

Appendix III – Sustainability Appraisal of Individual Policies

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: I - Creation of a focal point/point of arrival

Date: 5 Jan 2005

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	Removal of existing roads and car parking areas and replacement by substantial landscaping has the potential to enhance biodiversity depending upon the existing situation. Recommend adding reference to consideration of biodiversity, use of local provenance and connectivity/green grid concept in the preparation stage.
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	← ←	← ←	← ←	← ←	-	-	Creation of a focal point/point of arrival may have a significant positive impact on the townscape and to a lesser extent the landscape. Redevelopment of an existing site to make more efficient use of the land will help to protect greenfield landscapes.
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Increasing the landscaping elements and removal of existing car parking may have very marginally positive effects in reducing run-off.
To minimise water consumption	*	*	*	*	-	-	Increasing the landscaping elements and removal of existing car parking may have very marginally positive effects in reducing run-off.
To protect and improve air quality	*	*	*	*	-	-	
To conserve soil resources and quality	←	←	←	←	-	-	Redevelopment of an existing site to make more efficient use of the land will help to protect soil resources. Recommend reference to Leading in Design SPD with regard to re-using soil resources on site.

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	↔	↔	↔	↔	-	-	West Tower is a 'local list' building. The effect will depend on how this is taken into account.
To increase the (appropriate) re-use of previously developed land and buildings	← ←	← ←	← ←	← ←	-	-	Redevelopment of an existing site to make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. In terms of the landscaping there is potential to create sheltering to increase energy efficiency.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	*	*	*	*	-	-	
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	←	←	←	←	-	-	Increasing pedestrian flows will increase natural surveillance. Recommend that the design of the focal point/point of arrival and improvement of the Epinal Way frontage takes into account the need to consider ways to meet this objective.

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	
To ensure that the housing stock meets the housing needs of all parts of the community	*	*	*	*	-	-	
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	*	*	*	*	-	-	
To promote vibrant and viable settlements	*	*	*	*	-	-	A focal point/point of arrival and improvement of the Epinal Way frontage may encourage greater through flow of people.
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	*	*	*	*	-	-	There may be a very marginal positive effect through the development of an improved focal point/point of arrival and Epinal Way frontage, by the attraction of students and staff.
To encourage efficient patterns of movement to support sustainable economic growth	↔	↔	↔	↔	-	-	Recommend that clear reference is made to access by bus, cycling and pedestrians
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend that reference is made to the Leading in Design SPD particularly with regard to:</p> <ul style="list-style-type: none"> • re-using soil resources on site, • reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy, • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, • sustainable extraction, re use and recycling of minerals and aggregates resources and other building materials, • managing waste in accordance with the waste hierarchy, 							

	Geographic Scale				Comment	
	Within the Plan Area		Regional	National /Internt'l		
	Within the period Plan period	Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest		
<ul style="list-style-type: none"> sustainable design and construction techniques. <p>Recommend adding reference to consideration of biodiversity, use of local provenance and connectivity/green grid concept in the preparation stage.</p> <p>Recommend that the design of the focal point/point of arrival and improvement of the Epinal Way frontage takes into account the need to consider ways to reduce crime, anti social behaviour and promote community safety</p> <p>Recommend that clear reference is made to access by bus, cycling and pedestrians.</p>						

Key to Matrix

→	Significant negative effect (i.e. a move away from the objective)	←	Significant positive effect (i.e. a move towards the objective)	↔	Effect depends on how the policy is implemented (one form of uncertainty)	*	There is no relationship or no significant relationship between the objective and the policy
→	Marginal negative effect (i.e. a move away from the objective)	←	Marginal positive effect (i.e. a move towards the objective)	?	It is not known whether the policy will move towards or away from the objective (another form of uncertainty)	T	Denotes a temporary effect Effects are permanent if this symbol is not used.

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 2 – Provision of a substantial pedestrianised central area

Date: 5 Jan 2005

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Intern't'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	←	←	←	←	-	-	Retention of existing wildlife/nature areas would contribute towards this objective. Recommend adding reference to consideration of 'biodiversity', as opposed to the terminology used and retaining connectivity/green grid concept.
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	↔	↔	↔	↔	-	-	There is potential to create a feature to enhance the townscape character but as written the policy is not clear on this issue. Recommend adding reference to providing a valuable townscape feature as well as to Leading in Design.
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Increasing the pedestrianised elements and may have a very marginally negative effects by increasing run-off. Recommend mitigation measures that use appropriate techniques to avert this potential.
To minimise water consumption	*	*	*	*	-	-	
To protect and improve air quality	*	*	*	*	-	-	There may be potential for increasing walking but not to a level that is likely to produce a significant positive impact.
To conserve soil resources and quality	←	←	←	←	-	-	Redevelopment of an existing site to make more efficient use of the land will help to protect soil resources. Recommend reference to Leading in Design SPD with regard to re-using soil resources on site.
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
							mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	
To increase the (appropriate) re-use of previously developed land and buildings	←	←	←	←	-	-	Redevelopment of an existing site to make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	←	*	←	*	-	-	It is likely that university users of East Park will have access to an open space but this is less likely to be accessible to the general population of Charnwood.
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	←	*	←	*	-	-	Increasing pedestrian flows will increase natural surveillance. Recommend that the design of the substantial pedestrianised central area takes into account the need to consider ways to meet this objective. Recommend reference to Leading in Design with regard to this objective.
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	
To ensure that the housing stock meets the housing needs of all parts of the	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Intern'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
community							
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	*	*	*	*	-	-	
To promote vibrant and viable settlements	←	*	←	*			A substantial pedestrianised central area is likely to attract a through flow of people on foot.
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
To promote healthy life styles	*	*	*	*	-	-	A substantial pedestrianised central area is likely to attract a through flow of people on foot. Encouraging walking is a move towards healthier lifestyles.
To encourage sustainable economic growth	*	*	*	*	-	-	There may be a very marginal positive effect through the development of a substantial pedestrianised central area by the attraction of students and staff.
To encourage efficient patterns of movement to support sustainable economic growth	↔	↔	↔	↔	-	-	Recommend that clear reference is also made to access by bus and cycling.
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend that reference is made to the Leading in Design SPD particularly with regard to:</p> <ul style="list-style-type: none"> • maintain and enhance the landscape and townscape character • re-using soil resources on site, • reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy, • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, • sustainable extraction, re use and recycling of minerals and aggregates resources and other building materials, • managing waste in accordance with the waste hierarchy, • reduce crime, anti social behaviour and promote community safety • sustainable design and construction techniques. <p>Recommend adding reference to consideration of 'biodiversity', as opposed to the terminology used and retaining connectivity/green grid concept.</p>							

	Geographic Scale				Comment	
	Within the Plan Area		Regional	National /Internt'l		
	Within the period Plan period	Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest		
<p>Recommend adding reference to providing a valuable townscape feature</p> <p>Recommend mitigation measures that use appropriate techniques to avert the potential to increase run-off.</p> <p>Recommend that the design of the substantial pedestrianised central area takes into account the need to consider ways to reduce crime and anti-social behaviour and increase community safety</p> <p>Recommend that clear reference is also made to access by bus and cycling.</p>						

Key to Matrix

→	Significant negative effect (i.e. a move away from the objective)	←	Significant positive effect (i.e. a move towards the objective)	↔	Effect depends on how the policy is implemented (one form of uncertainty)	*	There is no relationship or no significant relationship between the objective and the policy
→	Marginal negative effect (i.e. a move away from the objective)	←	Marginal positive effect (i.e. a move towards the objective)	?	It is not known whether the policy will move towards or away from the objective (another form of uncertainty)	T	Denotes a temporary effect Effects are permanent if this symbol is not used.

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 3 – Development of a collegiate building form

Date: 5 Jan 2005

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to taking into account conservation and enhancement of biodiversity.
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	*	*	*	*	-	-	Redevelopment of an existing site to make more efficient use of the land will help to protect greenfield landscapes. Recommend reference to the need to take into account landscape and townscape character and also to Leading in Design with regard to this objective.
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To minimise water consumption	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To protect and improve air quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to energy efficient design.
To conserve soil resources and quality	←	←	←	←	-	-	Redevelopment of an existing site to make more efficient use of the land will help to protect soil resources. Recommend reference to Leading in Design with regard to re-use of soil resources.
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To increase the (appropriate) re-use of previously developed land and buildings	← ←	← ←	← ←	← ←	-	-	Redevelopment of an existing site to make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	*	*	*	*	-	-	
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	*	*	*	*	-	-	
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	
To ensure that the housing stock meets the housing needs of all parts of the community	*	*	*	*	-	-	
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	←	*	←	*	-	-	The university users of East Park are likely to move towards this objective but the effect is likely to be less for the general population.

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To promote vibrant and viable settlements	*	*	*	*	-	-	
To promote sustainable design and construction	*	*	*	*	-	-	The individual buildings are intended to be adaptable to a range of uses. Recommend reference is made to Leading in Design with regard to sustainable design and construction techniques.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	←	←	←	←	←	-	Improving facilities at the University may attract higher investment and university growth and thus have a secondary effect upon the local economy.
To encourage efficient patterns of movement to support sustainable economic growth	*	*	*	*	-	-	
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend reference to Leading in Design with regard to:</p> <ul style="list-style-type: none"> • taking into account conservation and enhancement of biodiversity; • landscape and townscape character; • surface and groundwater quality, minimising water consumption and reducing flood risk; • energy efficient design; • re-use of soil resources; • reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy; • to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk; • the sustainable extraction, re use and recycling of minerals and aggregates resources and building materials; • re-use and recycle waste materials; • sustainable design and construction techniques. <p>Recommend reference to the need to take into account landscape and townscape character.</p>							

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 4 – Option of an additional vehicle access to East Park campus and new multi-storey car park

Date: 5 Jan 2005

Objective	Geographic Scale				Regional	National /Intern't'l	Comment
	Within the Plan Area		Beyond the Plan period				
	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	↔	↔	↔	↔	-	-	The impact particularly on the townscape will depend upon the design of a vehicle access. A solution that caters for the efficient through flow of traffic may have a detrimental impact upon the townscape. Recommend that reference is added to ensure that there is no detrimental effect on landscape or townscape character.
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To minimise water consumption	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To protect and improve air quality	↔	↔	↔	↔	-	-	A new vehicular access and a new multi-storey car park may encourage increased car use and it is unclear whether the intention is to increase the number of car parking spaces. Recommend that clarification is made with regard to reducing car use and car parking standards. Provision for better bus, cycle and pedestrian use will help to improve air quality.
To conserve soil resources and quality	←	←	←	←			Redevelopment of an existing site to make more efficient use of the land will help to protect soil resources. Recommend reference to Leading in Design with regard to re-use of soil resources.
To reduce contributions to climate change	*	*	*	*	*	*	A new vehicular access and a new multi-storey car park may encourage increased car use and it is unclear whether the intention is to increase the number of car parking spaces. Recommend that clarification is made with regard to reducing car use and car parking standards. Provision for better bus, cycle and pedestrian use will help to reduce greenhouse gas emissions. Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	
To increase the (appropriate) re-use of previously developed land and buildings	← ←	← ←	← ←	← ←	-	-	Redevelopment of an existing site to make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	*	*	*	*	-	-	
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to techniques to reduce crime, the fear of crime and anti-social behaviour when designing a car park.
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Intern'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To ensure that the housing stock meets the housing needs of all parts of the community	*	*	*	*	-	-	
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	*	*	*	*	-	-	
To promote vibrant and viable settlements	*	*	*	*	-	-	
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference is made to Leading in Design with regard to sustainable design and construction techniques.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	*	*	*	*	-	-	
To encourage efficient patterns of movement to support sustainable economic growth	↔	↔	↔	↔	-	-	A new vehicular access and a new multi-storey car park may encourage increased car use and it is unclear whether the intention is to increase the number of car parking spaces. Recommend that clarification is made with regard to reducing car use and car parking standards. Provision for better bus, cycle and pedestrian use will help to improve air quality and reduce greenhouse gas emissions. Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend reference to Leading in Design with regard to:</p> <ul style="list-style-type: none"> • surface and groundwater quality, minimising water consumption and reducing flood risk; • re-use of soil resources • to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk 							

	Geographic Scale				Comment	
	Within the Plan Area		Regional	National /Internt'l		
	Within the period Plan period	Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest		
<ul style="list-style-type: none"> sustainable extraction, re use and recycling of minerals and aggregates resources and building materials to re-use and recycle waste materials minimise the use of energy and optimise the use of renewable resources techniques to reduce crime, the fear of crime and anti-social behaviour when designing a car park sustainable design and construction techniques <p>Recommend that reference is added to ensure that there is no detrimental effect on landscape or townscape character.</p> <p>Recommend that clarification is made with regard to reducing car use and car parking standards. Provision for better bus, cycle and pedestrian use will help to improve air quality and reduce greenhouse gas emissions.</p>						

Key to Matrix

→	Significant negative effect (i.e. a move away from the objective)	←	Significant positive effect (i.e. a move towards the objective)	↔	Effect depends on how the policy is implemented (one form of uncertainty)	*	There is no relationship or no significant relationship between the objective and the policy
→	Marginal negative effect (i.e. a move away from the objective)	←	Marginal positive effect (i.e. a move towards the objective)	?	It is not known whether the policy will move towards or away from the objective (another form of uncertainty)	T	Denotes a temporary effect Effects are permanent if this symbol is not used.

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 5 – Provide for additional academic floorspace

Date: 5 Jan 2005

Objective	Geographic Scale				Regional	National /Intern't'l	Comment
	Within the Plan Area		Beyond the Plan period				
	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to maintaining, enhancing and managing biodiversity
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	*	*	*	*	-	-	
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To minimise water consumption	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To protect and improve air quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to energy efficient design.
To conserve soil resources and quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to re-use of soil resources.
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To increase the (appropriate) re-use of previously developed land and buildings	←	←	←	←	-	-	Redevelopment of East Park will make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	*	*	*	*	-	-	
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to techniques to reduce crime, the fear of crime and anti-social behaviour.
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	There may be potential for increased adult education for the general population.
To ensure that the housing stock meets the housing needs of all parts of the community	*	*	*	*	-	-	
To reduce poverty and social exclusion	*	*	*	*	-	-	There may be potential for increased adult education for the general population.
To improve learning, skills and employability for all sectors of the community	←	←	←	←	-	-	Learning skills and employability will be improved for those attending the university but the effect is unlikely to be across all sectors of the community.

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To promote vibrant and viable settlements	*	*	*	*	-	-	The design of the academic space may have an effect depending whether a sense of place is created. Recommend reference to Leading in Design with regard to this objective.
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference is made to Leading in Design with regard to sustainable design and construction techniques.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	←	←	←	←	-	-	Updating and extending academic facilities will help the university to maintain its position and will have secondary effect on the local economy.
To encourage efficient patterns of movement to support sustainable economic growth	*	*	*	*	-	-	
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend reference to Leading in Design with regard to:</p> <ul style="list-style-type: none"> • maintaining, enhancing and managing biodiversity; • surface and groundwater quality, minimising water consumption and reducing flood risk; • re-use of soil resources; • to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy; • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk; • sustainable extraction, re use and recycling of minerals and aggregates resources and building materials; • to re-use and recycle waste materials; • minimise the use of energy and optimise the use of renewable resources; • techniques to reduce crime, the fear of crime and anti-social behaviour; • sustainable design and construction techniques. 							

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 6 – Allow for an additional 450 bed residential building

Date: 5 Jan 2005

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Intern't'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to maintaining, enhancing and managing biodiversity
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	←	←	←	←	-	-	The redevelopment of East Park is a more efficient use of the land and so protecting greenfield land. Restricting the number of storeys recognises the character of the surrounding area
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To minimise water consumption	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To protect and improve air quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to energy efficient design.
To conserve soil resources and quality	←	←	←	←	-	-	The redevelopment of East Park is a more efficient use of the land and so potentially protecting soil resources. Recommend reference to Leading in Design with regard to re-use of soil resources.
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	

	Geographic Scale					Comment	
	Within the Plan Area				Regional		National /Internt'l
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To increase the (appropriate) re-use of previously developed land and buildings	←	←	←	←	-	-	Redevelopment of East Park will make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	←	*	←	*	-	-	Enhancing the existing dining, informal leisure /sports facilities and open space to support this residential accommodation will have a positive effect for university users on East Park but is not likely to benefit the wider population
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	←	*	←	*	-	-	Enhancing the existing dining, informal leisure /sports facilities and open space to support this residential accommodation will have a positive effect for university users on East Park but is not likely to benefit the wider population.
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	It may have an effect upon the local 'no student' residents who live close to the university in terms of increasing on campus student accommodation and so lessening the impact of students living in private rented accommodation.
To reduce crime, anti social behaviour and promote community safety	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to techniques to reduce crime, the fear of crime and anti-social behaviour.
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	←	*	←	*	-	-	Enhancing the existing dining, informal leisure /sports facilities and open space to support this residential accommodation will have a positive effect for university users on East Park but is not likely to benefit the wider population.
To ensure that the housing stock meets the housing needs of all parts of the community	←	←	←	←	-	-	Increasing student accommodation will effect both the student and general market.
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To promote vibrant and viable settlements	←	←	←	←	-	-	Restricting the number of storeys recognises the character of the surrounding area. Recommend reference to Leading in Design with regard to this objective.
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference is made to Leading in Design with regard to sustainable design and construction techniques.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	↔	↔	↔	↔	-	-	Increasing student accommodation may effect the private rented sector in Loughborough.
To encourage efficient patterns of movement to support sustainable economic growth	*	*	*	*	-	-	
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend reference to Leading in Design with regard to:</p> <ul style="list-style-type: none"> • maintaining, enhancing and managing biodiversity; • surface and groundwater quality, minimising water consumption and reducing flood risk; • re-use of soil resources; • to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy; • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk; • sustainable extraction, re use and recycling of minerals and aggregates resources and building materials; • to re-use and recycle waste materials; • minimise the use of energy and optimise the use of renewable resources; • techniques to reduce crime, the fear of crime and anti-social behaviour; • promote vibrant and viable settlements • sustainable design and construction techniques. 							

Sustainability Appraisal – Loughborough University East Park SPD

Policy Reference: 7 – Building heights to reflect surrounding residential areas and academic buildings and to create a sense of place and arrival

Date: 5 Jan 2005

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To maintain and enhance biodiversity, flora and fauna	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to maintaining, enhancing and managing biodiversity
To maintain and enhance the landscape and townscape character (whilst minimising visual impacts of proposed developments)	←	←	←	←	-	-	The redevelopment of East Park is a more efficient use of the land and so protecting greenfield land. Restricting the number of storeys recognises the character of the surrounding residential and academic areas both on and off campus.
To protect and improve surface and groundwater quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To minimise water consumption	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to surface and groundwater quality, minimising water consumption and reducing flood risk.
To protect and improve air quality	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to energy efficient design.
To conserve soil resources and quality	←	←	←	←	-	-	The redevelopment of East Park is a more efficient use of the land and so potentially protecting soil resources. Recommend reference to Leading in Design with regard to re-use of soil resources.
To reduce contributions to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design SPD with regard to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy.
To reduce vulnerability to climate change	*	*	*	*	*	*	Recommend reference to Leading in Design with regard to design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk, particularly bearing in mind that part of the site falls within the current floodplain.
To conserve and where appropriate enhance the historic and cultural environment	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To increase the (appropriate) re-use of previously developed land and buildings	←	←	←	←	-	-	Redevelopment of East Park will make more efficient use of the land
To support the sustainable extraction, re use and recycling of minerals and aggregates resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle building materials.
To manage waste in accordance with the waste hierarchy in all sectors (i.e. household, commercial and industrial)	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective. There is potential to re-use and recycle waste materials.
To minimise the use of energy and optimise the use of renewable resources	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to this objective.
Ensure the population of Charnwood can have access to a full range of appropriate public, private, community and voluntary services	*	*	*	*	-	-	
To encourage appropriate access to the countryside, open spaces and semi urban environments (eg parks)	*	*	*	*	-	-	
Promote a strong community where people feel they have a say in the future	*	*	*	*	-	-	
To reduce crime, anti social behaviour and promote community safety	*	*	*	*	-	-	Recommend reference to Leading in Design with regard to techniques to reduce crime, the fear of crime and anti-social behaviour.
To ensure that the people of Charnwood have an opportunity to participate in culture, media and sport in Charnwood Borough	*	*	*	*	-	-	
To ensure that the housing stock meets the housing needs of all parts of the community	*	*	*	*	-	-	
To reduce poverty and social exclusion	*	*	*	*	-	-	
To improve learning, skills and employability for all sectors of the community	*	*	*	*	-	-	

	Geographic Scale						Comment
	Within the Plan Area				Regional	National /Internt'l	
	Within the period Plan period		Beyond the Plan period				
Objective	East Park	Rest	East Park	Rest			
To promote vibrant and viable settlements	←	←	←	←	-	-	Reflecting surrounding residential and academic buildings and creating a sense of place and arrival will have a positive effect upon this objective especially if extra pedestrian activity is generated. Recommend reference to Leading in Design with regard to this objective.
To promote sustainable design and construction	*	*	*	*	-	-	Recommend reference is made to Leading in Design with regard to sustainable design and construction techniques.
To promote healthy life styles	*	*	*	*	-	-	
To encourage sustainable economic growth	*	*	*	*	-	-	Creating a better built environment will have a positive effect in terms of attracting students to the university.
To encourage efficient patterns of movement to support sustainable economic growth	*	*	*	*	-	-	
To reduce disparities in economic performance	*	*	*	*	-	-	
Overall Commentary [including suggestions for mitigation and enhancement]:							
<p>Recommend reference to Leading in Design with regard to:</p> <ul style="list-style-type: none"> • maintaining, enhancing and managing biodiversity; • surface and groundwater quality, minimising water consumption and reducing flood risk; • re-use of soil resources; • to reducing greenhouse gas emissions through less car use, energy efficient design and use of renewable energy; • design and construction techniques that take into account the need to be adaptable to temperature change and possible increased flood risk; • sustainable extraction, re use and recycling of minerals and aggregates resources and building materials; • to re-use and recycle waste materials; • minimise the use of energy and optimise the use of renewable resources; • techniques to reduce crime, the fear of crime and anti-social behaviour; • promote vibrant and viable settlements • sustainable design and construction techniques. 							

Key to Matrix

→ →	Significant negative effect (i.e. a move away from the objective)	← ←	Significant positive effect (i.e. a move towards the objective)	↔	Effect depends on how the policy is implemented (one form of uncertainty)	*	There is no relationship or no significant relationship between the objective and the policy
→	Marginal negative effect (i.e. a move away from the objective)	←	Marginal positive effect (i.e. a move towards the objective)	?	It is not known whether the policy will move towards or away from the objective (another form of uncertainty)	T	Denotes a temporary effect Effects are permanent if this symbol is not used.