

West Northamptonshire Joint Core Strategy SA Addendum: Final Report (December 2013)

Appendix 9

SA Matrices for the Brackley SUE Options

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Brackley Site Options

Site Code: SA10: Land off Northampton and Turweston Roads, Brackley (Turweston Road North) [Albion Land]

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The entire eastern area of the site is within close proximity to the A43; therefore a minor negative effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA, thereby a negligible effect is likely in relation to air quality. Therefore, overall a mixed effect (minor positive and minor negative) is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that the southern boundary of the site is located within 1km of many listed buildings, most of which are located in the centre of Brackley around the road High Street. The closest listed building is 109 High Street which is a Grade II Listed Building and is located approximately 575m away. In addition the southern boundary of the site is located approximately 505m from Brackley Conservation Area.</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The northern boundary of the site is within 1km of the Helmdon Disused Railway SSSI. Additionally the northern boundary is within 1km of the Fox Covert Local Wildlife Site located to the north of the site, and within 500m of the Brackley Railway Embankment Local Wildlife Site to the south. There are also two Potential Local Wildlife Sites to the east of the site, and two to the south. Therefore development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
a) Improve educational attainment and promote lifelong learning. b) Promote sustainable modes of travel to access education.	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The site is within 800m of two schools (Brackley Church Of England Junior School and Bracken Leas Primary School). Therefore a potential significant positive effect may occur because it could be easier and more resource/cost efficient to expand these existing facilities to accommodate new residents as required, rather than building new schools within the SUE area. However, there is uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand those schools/colleges if required.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within 200m of three footpaths, two to the east, and one 600m to the south west. The site is also within 800m of Brackley Cottage Hospital to the south of the site. Therefore it is likely that significant positive effects will occur because of the potential to use these facilities and recreational areas as well as the new ones. With</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is mainly within an area that is classed as being of high-medium sensitivity. Therefore the development could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
<p>a) To ensure that the</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
housing stock meets the housing needs of the local people.	needs, including the needs of the community and local economy. <ul style="list-style-type: none"> • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 		site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities. The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination. The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is predominantly classed as Category B for ground instability, with a very small area on the western side of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

Site Code: SA24: Land north of Radstone Fields, Brackley [Mintondale]

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/0	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity to features such as strategic roads or large industrial areas therefore a negligible effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and negligible) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that no designated heritage assets are located within 1km of the site. The closest heritage asset is a Grade I listed building (Church of St Lawrence) located approximately 1,170m to the north east of the site.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 	+/-?	<p>The north east corner of the site is within 1km of the Helmdon Disused Railway SSSI and the Fox Covert Local Wildlife Site. There is also one</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Potential Local Wildlife Site to the west of the site. Therefore development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 	+	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
learning. b) Promote sustainable modes of travel to access education.	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		objective. The site is not within 800m of any existing schools or colleges. Therefore the site is likely to have only a minor positive effect as stated above.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+?	All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles. The site is within 800m of many footpaths to the north east, north west and the south west. The site is also within 800m of many bridleways to the north east and the north. Therefore it is likely that minor positive effects will occur because of the potential to use these recreational areas as well as the new facilities. With respect to the health services and facilities it may also be easier and more resource/cost efficient to expand those existing facilities to accommodate new residents as required, rather than providing new ones within the SUE area. However, this effect is uncertain due to a lack of information about capacity and the potential to expand those services and facilities if required. This site is not within or adjacent to an AQMA. All new homes will be expected to be of high quality; therefore the

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			location of new development will not affect the achievement of that element of the SA objective.
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site includes areas classed as being of low and medium-low sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore, overall a mixed effect (minor negative and negligible) is likely overall.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and Great Ouse CFMPs.	Great Ouse CFMP? <ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

Site Code: SA41: Brackley Grange and Humphries Drive, West of Brackley [Brackley West]

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of this site is within close proximity to the A422, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA thereby a negligible effect is likely in relation to air quality. Therefore a mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that no designated heritage assets are located within 1km of the site. The closest heritage asset is Brackley Conservation Area located approximately 1,050m to the south east of the site.</p>
3. Biodiversity, flora and fauna			

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The southern boundary of the site is adjacent (therefore within 250m) to the Brackley Disused Railway (West) Local Wildlife Site, and within 1km of Brackley Gorse Local Wildlife Site and Gooseholm Copse Ancient Woodland. There is also one Potential Local Wildlife Site to the west of the site and one to the south east. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. 	+?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand;</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 		<p>therefore all sites will have at least a minor positive effect on this objective.</p> <p>The only school within a reasonable walking distance is Bracken Leas Primary School 530m to the south east. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, while the site is within walking distance (800m) of Bracken Leas Primary School, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 		<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
		+?	<p>It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. In addition a doctor's surgery is within 400m of the site, towards the south west. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required. Furthermore, while the site is within walking distance (800m) of the doctor's surgery, green amenity spaces and footpaths, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the 	-?	<p>The site includes areas classed as being of medium-low and medium sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<p>landscape, buildings and settlements?</p> <ul style="list-style-type: none"> • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		<p>cohesion.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore, overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

Site Code: SNC052: Brackley Grange

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The southern boundary of this site is adjacent to the A422, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA thereby a negligible effect is likely in relation to air quality. Therefore a mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains areas classed as being of medium sensitivity and low sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that no designated heritage assets are located within 1km of the site. The closest heritage asset is Brackley Conservation Area located approximately 1,270m to the south east of the site.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 	+/--?	<p>The Brackley Disused Railway (West) Local Wildlife Site runs through the southern part of the site. Additionally three Local Wildlife Sites</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>(Brackley Gorse, Steane Park Grounds and Gooseholm Copse) and Gooseholm Copse Ancient Woodland are located within 1km of the site. There is also one Potential Local Wildlife Site located within the site, running along the western boundary, and one to the south east of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
modes of travel to access education.	<ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	The closest school to the site, Bracken Leas Primary School, 850m to the south east. 850m is not a reasonable walking distance; therefore, residents of the site would find it difficult to benefit from existing local educational facilities in addition to those new facilities provided within the SUE site.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	++?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities.</p> <p>It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to two footpaths. In addition, a doctor's surgery is within 750m of the site, towards the south west. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site includes areas classed as being of medium and high-medium sensitivity. Therefore the development could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is predominantly classed as Category B for ground instability, with two very small areas on the western side of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and Great Ouse CFMPs.	Great Ouse CFMP? <ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

Site Code: SNC634: Halse Road East

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
a) Reduce the need to travel and facilitate modal shift. b) Reduce/minimise the potential increase in congestion. c) Avoid sensitive development within areas of high noise levels or poor air quality.	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/0	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The site is not within close proximity to features such as strategic roads or large industrial areas therefore a negligible effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and negligible) is likely overall.</p>
2. Archaeology and cultural heritage			
a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that no designated heritage assets are located within 1km of the site. The closest heritage asset is a Grade I listed building (Church of St Lawrence) located approximately 1,190m to the north east of the site.</p>
3. Biodiversity, flora and fauna			
a) Maintain and enhance the	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 	+/-?	<p>The north east corner of the site is within 1km of the Helmdon Disused Railway SSSI. There is also one Potential Local Wildlife Site to the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>south west of the site. Therefore development at this site has the potential to have a minor negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
modes of travel to access education.	<ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	+	The closest school to the site, Bracken Leas Primary School, 1.04km to the south. 1.04km is not a reasonable walking distance; therefore, residents of the site would find it difficult to benefit from existing local educational facilities in addition to those new facilities provided within the SUE site.
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities.</p> <p>It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one bridleway and one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced. b) Enhance the form and design of the built environment.	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	0	This site predominantly includes areas classed as being of low sensitivity. Therefore it is likely the development will have a negligible effect on landscape character. Development of this site is not expected to result in settlement cohesion.
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore, overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	the Nene and Great Ouse CFMPs? <ul style="list-style-type: none"> • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern and south western edges of this site are adjacent to the A422, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that the south eastern boundary of the site is within 1km of many listed buildings, most of which are located in the centre of Brackley around the road High Street. The closest listed building is the United Reformed Church which is a Grade II Listed Building, located approximately 414m away. Additionally the south eastern boundary is approximately 322m from Brackley Conservation Area, and 260m from the Scheduled Monument Brackley Motte and Bailey Castle. There is also a Grade II Listed Building approximately 920m to the south west of the site.</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or 	+/-?	<p>The southern corner of the site is within 250m of Brackley Marsh Local</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Wildlife Site, and within 1km of Brackley Disused Railway (East) Local Wildlife Site. Additionally the northern corner of the site is within 250m of Brackley Disused Railway (West) Local Wildlife Site, and within 1km of three Local Wildlife Sites (Brackley Gorse, Gooseholm Copse, and Steane Park Grounds) and the Gooseholm Copse Ancient Woodland. There are also Potential Local Wildlife Sites to the north, west and south of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
b) Promote sustainable modes of travel to access education.	associated with new residential developments. <ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>objective.</p> <p>There are three schools within walking distance of the site, Southfield Primary School 380m to the east, Magdalen College Secondary School 750 to the east and Waynflete Infant's School 740m to the east. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is predominantly classed as an area being of medium-low sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	provision and which achieve efficient use of land. <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A small area running along the western eastern boundary of this site is within flood zones 2 and 3; however almost all of the site is outside of flood zones 2 and 3 therefore a negligible effect on flood risk is likely.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>in the River Nene and Great Ouse CFMPs.</p>	<p>policies set out in the River Nene CFMP and the Great Ouse CFMP?</p> <ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

Site Code: BJO-02: No site name

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern and eastern edges of this site are adjacent to the A422 and the A43 respectively, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	0	<p>The site is within an area classed as lowest sensitivity in terms of cultural heritage, and therefore a negligible effect is likely.</p> <p>It is noted that the northern boundary of the site is within 250m of the Scheduled Monument Brackley Motte and Bailey Castle, and within 1km of many listed buildings, most of which are located in the centre of Brackley around the road High Street. The closest listed building is 26 and 28 Bridge Street which is a Grade II Listed Building, located approximately 340m away. Additionally the northern boundary is within 1km of Brackley Conservation Area.</p> <p>Additionally the south eastern boundary is located within 1km of Evenley Conservation Area and many of the listed buildings located within it. It is also located within 1km of three other Listed Buildings to the south east (Evenley Hall, Evenley Hall Stables and the Vicarage, all Grade II Listed Buildings).</p>
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of 	+/-?	<p>The northern boundary of the site is adjacent to (therefore within 250m) of Brackley Marsh Local Wildlife Site, and within 1km of Brackley</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<p>designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP?</p> <ul style="list-style-type: none"> • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 		<p>Disused Railway (East) Local Wildlife Site. Additionally the eastern boundary of the site is within 1km of South Ground Covert Local Wildlife Site. There are also Potential Local Wildlife sites located within the site boundary and to the north and east of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and promote lifelong learning.</p> <p>b) Promote sustainable</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. 		<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
modes of travel to access education.	<ul style="list-style-type: none"> • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>There are three schools within walking distance of the site, Southfield Primary School 350m to the north, Magdalen College Secondary School 760 to the north and Waynflete Infant's School 800m to the north. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is predominantly classed as an area being of medium-low sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
a) To ensure that the housing stock meets the housing needs of the local people.	<ul style="list-style-type: none"> Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	transport, walking and cycling.		
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore, overall a mixed effect (minor negative and negligible) is likely overall.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.
14. Waste			
a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A very small area running west to east and a small area to the north of the site is within flood zones 2 and 3; however almost all of the site is outside of flood zones 2 and 3 therefore a negligible effect on flood risk is likely.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
CFMPs.	<ul style="list-style-type: none"> • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		

Site Code: BJO-04: Brackley East SUE

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	<p>+/-</p>	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The eastern boundary of this site is adjacent to the A43, while the northern most part of the western boundary is adjacent to an industrial area, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	<p>-?</p>	<p>The site is within an area classed as low sensitivity in terms of cultural heritage, and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage. However, some of the site was not covered in the Brackley Landscape Sensitivity and Green Infrastructure Study, therefore there is uncertainty about heritage assets in the north west area of the site outside of the study area.</p> <p>It is noted that the western boundary of the site is within 100m of Brackley Conservation Area, and within 250m and 1km of many listed buildings, most of which are located in the centre of Brackley around the road High Street. The closest listed building is Vine Cottage which is a Grade II Listed Building, located approximately 156m away.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>Brackley Railway Embankment Local Wildlife Site is located within the boundary of the site, as is one Potential Local Wildlife Site. There are also Potential Local Wildlife Sites located to the north, east and south of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 		not be influenced by the location of development and will instead be determined though the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.
5. Education and training			
a) Improve educational attainment and promote lifelong learning. b) Promote sustainable modes of travel to access education.	<ul style="list-style-type: none"> Improvements in educational attainment, qualification levels and participation in education and training. Adequate supporting educational infrastructure associated with new residential developments. New education facilities well located in relation to walking, cycling and public transport routes. 	+?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are two schools within walking distance of the site, Brackley Church Of England Junior School 550m to the west and Bracken Leas Primary School 780m to the west. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective. However, while the site is within walking distance (800m) of two existing schools, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> An average increase in the SAP rating of dwellings? A reduction of the average household fuel bill. A decrease in oil consumption. Major developments incorporating renewable energy measures into the design. An increase in energy efficient measures and CHP in the design new developments. An increase in the number of large scale renewable energy schemes. A better consideration of climate change adaptation measures? 	0	While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined though the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.
7. Health and well being			
a) To improve health	<ul style="list-style-type: none"> Healthier lifestyles? 		All of the site options are likely to have at least a minor positive effect

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
and reduce health inequalities.	<ul style="list-style-type: none"> • Improved access to healthcare? • Improve the quality of homes? 	+?	<p>on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces as well as Brackley Park less than 500m to the west. In addition, the site is connected to one footpath and is within walking distance of two others and a bridleway. Brackley Cotttage Hospital is 450m to the west; also there is a doctor's surgery further to the north, 550m to the west of the site. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required. Furthermore, while the site is within walking distance (800m) of existing amenity spaces, footpaths and health facilities, due to the steep topography of the site it may not be an easy walking distance for all ages and abilities, therefore, it is not considered that there will be a significant positive effect in terms of accessibility.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.
9. Landscape and townscape			
a) Ensure that the	• Provide the character areas and SLA's with the	--?	The site is classed as an area being of high and high-medium

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<p>highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives?</p> <ul style="list-style-type: none"> • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 		<p>sensitivity. Therefore the development could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The site is predominantly classified as being Grade 3 agricultural land, and is predominantly on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is predominantly classed as Category B for ground instability, with a small area in the south of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least 	0	<p>The site is predominantly on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	favoured option? • Encourage the reduction in the production and movement of hazardous waste?		
15. Water			
a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters. b) Reduce risk of flooding. c) Improve efficiency of water use. d) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A very small area in southern point of the site is within flood zones 2 and 3; however almost all of the site is outside of flood zones 2 and 3 therefore a negligible effect on flood risk is likely.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

Site Code: BJO-05: Brackley North SUE

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/0	<p>It is assumed that all of the SUE site options will have a minor positive (+) effect on this part of the SA objective, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>Although the eastern area of the site is within close proximity to the A43, this is only a small area of the site and the majority of the site is not within close proximity of either strategic roads or industrial areas; therefore a negligible effect is likely in relation to noise effects on new residents/employees at this site.</p> <p>The site is not within close proximity of an AQMA; therefore a negligible effect is also likely in relation to air quality and an overall mixed effect (minor positive and negligible) is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains areas classed as being of medium sensitivity and low sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage. However, some of the site was not covered in the Brackley Landscape Sensitivity and Green Infrastructure Study, therefore there is uncertainty about heritage assets in the south east area of the site outside of the study area.</p> <p>It is noted that the southern boundary of the site is located within 1km of many listed buildings, most of which are located in the centre of Brackley around the road High Street. The closest listed building is 109 High Street which is a Grade II Listed Building and is located approximately 575m away. In addition the southern boundary of the site is located approximately 490m from Brackley Conservation Area.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>The northern boundary of the site is within 250m of the Helmdon Disused Railway SSSI. Additionally the northern boundary is within 1km of the Fox Covert Local Wildlife Site located to the north east of the site, and the Brackley Railway Embankment Local Wildlife Site to the south east. There are also two Potential Local Wildlife Sites to the east of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	<p>++?</p>	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>There are two schools within walking distance of the site, Bracken Leas Primary School 450m to the south and Brackley Church Of England Junior School 640m to the south. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	<p>0</p>	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined though the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	<p>++?</p>	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity spaces. Brackley Cottage Hospital is 750m to the south. In addition, there are two doctor's surgeries within a reasonable walking distance,</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>530m and 580m to the south. Being in close proximity to existing facilities and recreational areas as well as new ones developed on the SUE sites could have a significant positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	--?	<p>The site is mainly within an area that is classed as being of high-medium sensitivity but does have a strip classed as being of high sensitivity running north to south through the site along Helmdon Disused Railway SSSI. Therefore the development could have a significant negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
the housing needs of the local people.	local economy. <ul style="list-style-type: none"> Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. Good access to facilities, particularly by public transport, walking and cycling. 		assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. Appropriate community, social and transport infrastructure. 	+	The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective. It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> Improved provision of key services in deprived communities. Reduced spatial inequalities in access to services including healthcare and education and local/community services. Provision of local facilities which are accessible by walking and cycling and public transport. 	?	The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective. It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities. The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> The remediation of contaminated sites? Levels of development on brownfield sites that are above the national target of 60%? Development that protects soil processes and functions? 	-/0	All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination. The entire site is classified as being Grade 3 agricultural land, and is

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<ul style="list-style-type: none"> • Development that protects sites valued for their geological characteristics? 		<p>predominantly on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p> <p>The site is entirely classed as Category B for ground instability, and is likely to have a negligible effect on ground instability. Therefore, overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	+?	<p>This site is predominantly greenfield land but does include an area of previously developed land adjacent to Northampton Road; therefore there may be opportunities to re-use existing building materials during construction which could have a minor positive effect on this objective although there is uncertainty attached as specific opportunities will not be known until detailed development proposals are put forward.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>a) Reduce risk of flooding.</p> <p>b) Improve efficiency of</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. However, this site is located outside of flood zones 2, 3a and 3b and is therefore</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>water use.</p> <p>c) Identify opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<p>policies of the EA?</p> <ul style="list-style-type: none"> • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional flows? • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>likely to have a negligible effect.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>The northern and western edges of this site are adjacent to the A43, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of medium sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the southern boundary of the site is within 250m of four listed buildings, the closest being Evenley Hall which is a Grade II Listed Building, located approximately 45m away. Evenley Conservation Area is also within 250m of the southern boundary, as are many listed buildings which are within 250m and 1km of the site.</p> <p>Additionally the northern boundary of the site is within 1km of the Scheduled Monument Brackley Motte and Bailey Castle, Brackley Conservation Area and many listed buildings, most of which are located in the centre of Brackley around the road High Street.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/--?	<p>The northern boundary of the site is within 250m of Brackley Disused Railway (East) Local Wildlife Site, and within 1km of Brackley Marsh Local Wildlife Site. The southern boundary of the site is also within 250m of South Ground Covert Local Wildlife Site. Additionally there are also Potential Local Wildlife Sites adjacent to the northern boundary of the site, and sites located to the north, east, south and west. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>
5. Education and training			
<p>a) Improve educational attainment and</p>	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education 		<p>It is assumed that all of the SUEs would incorporate either new schools</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>promote lifelong learning.</p> <p>b) Promote sustainable modes of travel to access education.</p>	<p>and training.</p> <ul style="list-style-type: none"> • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	<p>++?</p>	<p>or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Southfield Primary School 585m to the north, which is a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
<p>a) Continue to improve energy efficiency of dwellings.</p> <p>b) Continue to increase the provision of 'affordable warmth'.</p> <p>c) To decrease the dependency on oil for space heating.</p> <p>d) Increase the local renewable energy generating capacity.</p>	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	<p>0</p>	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
<p>a) To improve health and reduce health inequalities.</p>	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	<p>+?</p>	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of six green amenity spaces and is connected to two footpaths. Being in close proximity to existing recreational areas as well as new facilities developed on the</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>SUE sites could have a minor positive effect on this objective. However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is classed as an area being of medium sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets the housing needs of the local people.</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and local economy. • Achieve well-designed compact communities 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
	<p>which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land.</p> <ul style="list-style-type: none"> • Good access to facilities, particularly by public transport, walking and cycling. 		<p>also assumed that all of the SUEs will incorporate sustainable transport links.</p>
11. Population			
<p>a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.</p>	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
<p>a) To reduce spatial inequalities in social opportunities.</p>	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
<p>a) Reduce land contamination, and safeguard soil and geological quality and quantity.</p>	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The entire site is classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close proximity to the site.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>The site is predominantly classed as Category B for ground instability, with a very small area in the north east of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify opportunities to implement strategic</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological status of groundwater and surface water and the ability of receiving water to accept additional 	0	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A very small area to the north of the site is within flood zones 2 and 3; however almost all of the site is outside of flood zones 2 and 3 therefore a negligible effect on flood risk is likely.</p> <p>It is assumed that all new SUE development will be built to high</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
<p>flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<p>flows?</p> <ul style="list-style-type: none"> • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>

Site Code: BJO-07: No site name

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
1. Air quality and noise			
<p>a) Reduce the need to travel and facilitate modal shift.</p> <p>b) Reduce/minimise the potential increase in congestion.</p> <p>c) Avoid sensitive development within areas of high noise levels or poor air quality.</p>	<ul style="list-style-type: none"> • An increase in motor vehicle trips and increased dependence on car use? • Sensitive location of new development in areas of high noise levels or poor air quality. • Support for the objectives of local air quality action plans? • Improvements in existing local public transport infrastructure or access to public transport? • Exacerbating existing traffic congestion hotspots or improvements to the current situation? • The inclusion of policies to enhance air quality where new development may deliver a means of doing so? 	+/-	<p>It is assumed that all of the SUE options, including this site, will have a minor positive effect on sustainable transport, as it is assumed that sustainable transport links would be provided as part of the new SUE development at any site.</p> <p>A section of the northern edge of this site is adjacent to the A43 and the southern part of Buckingham Road Industrial Estate, which could result in noise disturbance for residents; therefore a minor negative effect in relation to noise is likely.</p> <p>This site is not within close proximity of an AQMA; therefore a negligible effect is likely in relation to air quality and an overall mixed (minor positive and minor negative) effect is likely overall.</p>
2. Archaeology and cultural heritage			
<p>a) Protect the fabric and setting of designated and undesignated archaeological sites, monuments, structures and buildings, registered Historic Parks and gardens, registered battlefields, listed buildings and conservation areas (or their settings).</p>	<ul style="list-style-type: none"> • Development that affects listed buildings, conservation areas, scheduled ancient monuments, registered historic parks and gardens, and registered battlefields (or their settings)? • Development being steered to where it can be accommodated in less sensitive areas? • Distinctive development that is well related to the natural environment and characteristic scale, form materials and detailing of the settlement and contributes to a sense of place? • Promotes the enhancement of the archaeological resource and other aspects of heritage, such as, parks and open spaces, and areas with a particular historical or cultural association? • Will the plan proposals provide opportunities for the enhancement of historic assets, townscapes and landscapes? 	-?	<p>The site contains an area classed as being of low sensitivity in terms of cultural heritage and development could therefore have an uncertain minor negative effect, although further investigation would be needed at the planning application stage.</p> <p>It is noted that the south western corner of the site is within 250m of two listed buildings (Evenley Hall and Evenley Hall Stables), both of which are Grade II Listed Buildings. Evenley Conservation Area is also within 1km of the southern boundary, as are many listed buildings located within it.</p> <p>Additionally the northern boundary of the site is within 1km of the Scheduled Monument Brackley Motte and Bailey Castle, Brackley Conservation Area and many listed buildings, most of which are located in the centre of Brackley around the road High Street.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
3. Biodiversity, flora and fauna			
<p>a) Maintain and enhance the structure and function of habitats and populations of species, including those specifically protected. Enhance and protect greenspace networks and habitat connectivity, including river and stream corridors, to assist in species migration and dispersal.</p> <p>b) Increase the land area of UK Biodiversity Action Plan habitats within the area.</p> <p>c) Maintain and improve the conservation status of selected non-designated nature conservation sites.</p>	<ul style="list-style-type: none"> • Avoidance of net loss, damage to, or fragmentation and positive enhancement of designated wildlife sites protected species and priority species / habitats within the Northamptonshire BAP? • Opportunities for people to come into contact with robust wildlife places whilst encouraging respect for and raising awareness of the sensitivity of these sites? • Development which includes the integration of ecological conditions and contributes to improvement in ecological connectivity in rural and urban areas? 	+/-?	<p>The northern boundary of the site is within 250m of Brackley Disused Railway (East) Local Wildlife Site, and within 1km of Brackley Marsh Local Wildlife Site. South Ground Covert Local Wildlife Site is located within the southern part of the site. There is also one Potential Local Wildlife site located within the site, and some to the north, east, south and west of the site. Therefore development at this site has the potential to have a significant negative effect on biodiversity, although this is uncertain as the potential for effects will depend on the exact nature and design of the new development and it is recognised that opportunities may exist to enhance biodiversity through new development.</p> <p>It is assumed that all SUEs (including this site) would incorporate an element of green infrastructure provision, which may help to create new areas of BAP habitats and contribute to habitat connectivity; therefore all sites could have a minor positive effect on this element of the objective.</p>
4. Crime and community safety			
<p>a) To improve community safety, reduce crime and the fear of crime.</p>	<ul style="list-style-type: none"> • Changes in crime levels and fear of crime through improvements to the environment, layouts of streets and public space, passive surveillance, lighting etc. • Leisure facilities for young people at the neighbourhood level including consideration of provision as part of large new residential developments. 	0	<p>The effects of new development on safety, crime and fear of crime will depend on design proposals for the SUEs and factors such as the inclusion of open spaces that are overlooked by buildings to improve safety and security and sufficient lighting. However, these issues will not be influenced by the location of development and will instead be determined through the detailed proposals for each site. Therefore, the effects of all development site options on this objective will be negligible.</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
5. Education and training			
a) Improve educational attainment and promote lifelong learning. b) Promote sustainable modes of travel to access education.	<ul style="list-style-type: none"> • Improvements in educational attainment, qualification levels and participation in education and training. • Adequate supporting educational infrastructure associated with new residential developments. • New education facilities well located in relation to walking, cycling and public transport routes. 	++?	<p>It is assumed that all of the SUEs would incorporate either new schools or the expansion of existing facilities to accommodate growing demand; therefore all sites will have at least a minor positive effect on this objective.</p> <p>The closest school to the site is Southfield Primary School 780m to the north west, which is a reasonable walking distance. It could therefore be easier and more resource/cost efficient to expand the school to accommodate new residents as required, rather than building new schools within the SUE area. In combination with the new educational facilities provided by the SUE site, additional access to existing educational facilities is likely to have a significant positive effect on the objective.</p> <p>There will always be some uncertainty attached to this effect due to a lack of information about existing capacity and the potential to expand existing schools/colleges in the area.</p>
6. Energy and climatic factors			
a) Continue to improve energy efficiency of dwellings. b) Continue to increase the provision of 'affordable warmth'. c) To decrease the dependency on oil for space heating. d) Increase the local renewable energy generating capacity.	<ul style="list-style-type: none"> • An average increase in the SAP rating of dwellings? • A reduction of the average household fuel bill. • A decrease in oil consumption. • Major developments incorporating renewable energy measures into the design. • An increase in energy efficient measures and CHP in the design new developments. • An increase in the number of large scale renewable energy schemes. • A better consideration of climate change adaptation measures? 	0	<p>While all new development is likely to involve an increase in energy consumption over current consumption in West Northamptonshire, new development may offer good opportunities for incorporating renewable energy generation and it is assumed that new development will be built to high standards of energy efficiency. However, the effects of new development on efficient energy consumption will not be determined by the location of the development, instead it will be determined through the detailed proposals for each site. Therefore the effect of all of the site options on this SA objective will be negligible.</p>
7. Health and well being			
a) To improve health and reduce health inequalities.	<ul style="list-style-type: none"> • Healthier lifestyles? • Improved access to healthcare? • Improve the quality of homes? 	+?	<p>All of the site options are likely to have at least a minor positive effect on this SA objective, as it is assumed that all of the SUEs would include the provision of new healthcare facilities to support the growing population, or the expansion of existing facilities. It is also assumed that new green infrastructure including walking and cycle routes would be provided within the sites, which should have a positive effect in relation to encouraging more active lifestyles.</p> <p>The site is within reasonable walking distance of several green amenity</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>spaces and is connected to one footpath. Being in close proximity to existing recreational areas as well as new facilities developed on the SUE sites could have a minor positive effect on this objective.</p> <p>However, this effect is uncertain due to a lack of information about capacity and the potential to expand services and facilities if required.</p> <p>This site is not within or adjacent to an AQMA.</p> <p>All new homes will be expected to be of high quality; therefore the location of new development will not affect the achievement of that element of the SA objective.</p>
8. Labour market and economy			
<p>a) To create high quality employment opportunities and develop a strong culture of enterprise and innovation.</p>	<ul style="list-style-type: none"> • An adequate supply of land, skills and infrastructure (such as ICT) to meet the requirements of growth sectors and fully exploit locational/ economic opportunities while not harming the environment. • Minimise travel distances to work and commuting by modes other than the car. Ensuring access to employment by public transport, walking and cycling. • An appropriate range of employment opportunities in rural areas. 	+	<p>All of the site options are likely to have a minor positive effect on this SA objective, as it is assumed that all of the SUEs would involve employment provision. All of the SUEs are also assumed to provide a mix of housing and employment, therefore all will have further positive effects in relation to minimising travel distances and enabling easier access to employment opportunities.</p>
9. Landscape and townscape			
<p>a) Ensure that the quality, character and local distinctiveness of the landscape, and the features within them are conserved and enhanced.</p> <p>b) Enhance the form and design of the built environment.</p>	<ul style="list-style-type: none"> • Provide the character areas and SLA's with the highest level of policy protection, make appropriate provision for their economic and social wellbeing and reflect Management Plan objectives? • Encourage development which considers the existing character, form and pattern of the landscape, buildings and settlements? • Encourage development which incorporates green infrastructure into the design e.g. green corridors, linking open space etc.? • Encourage development which incorporates sports infrastructure into the design e.g. public football pitches, mini pitches, swimming pools? 	-?	<p>The site is classed as an area being of medium sensitivity. Therefore the development could have a minor negative effect on landscape character. However, this potential effect is uncertain as the exact impacts on the landscape will depend on factors relating to the specific design and layout of the new development.</p> <p>Development of this site is not expected to result in settlement cohesion.</p>
10. Material assets			
<p>a) To ensure that the housing stock meets</p>	<ul style="list-style-type: none"> • Sufficient affordable housing to meet identified needs, including the needs of the community and 	+	<p>All of the SUEs are assumed to provide a mix of housing, therefore all site options are expected to have positive effects on this objective. It is</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
the housing needs of the local people.	<p>local economy.</p> <ul style="list-style-type: none"> • Achieve well-designed compact communities which are developed at sufficient density to support viable local services and public transport provision and which achieve efficient use of land. • Good access to facilities, particularly by public transport, walking and cycling. 		assumed that all new development would be built to high standards and would be in accordance with JCS policy H2: Affordable Housing. It is also assumed that all of the SUEs will incorporate sustainable transport links.
11. Population			
a) To develop and maintain a balanced and sustainable population structure with good access to services and facilities.	<ul style="list-style-type: none"> • Development which delivers an appropriate mix of housing including affordable housing and appropriate housing for older people in locations close to local services/facilities. • Appropriate community, social and transport infrastructure. 	+	<p>The provision of housing is addressed separately under SA objective 10 above and so is not considered again as part of this SA objective.</p> <p>It is assumed that an appropriate range of services and facilities to support the growing population including older people will be provided as part of the development of the SUEs, or that existing services and facilities would be expanded. Therefore, minor positive effects are likely in relation to all of the site options.</p>
12. Social deprivation			
a) To reduce spatial inequalities in social opportunities.	<ul style="list-style-type: none"> • Improved provision of key services in deprived communities. • Reduced spatial inequalities in access to services including healthcare and education and local/community services. • Provision of local facilities which are accessible by walking and cycling and public transport. 	?	<p>The provision of new services and facilities is addressed under SA objective 11 and so is not assessed again as part of this objective. Proximity to healthcare and educational facilities and local/community services are also already addressed under SA objectives 5, 7 and 11, so are not considered as part of this objective.</p> <p>It is assumed that walking and cycle routes would be incorporated into all of the SUEs, to provide sustainable access to services and facilities.</p> <p>The provision of additional services and infrastructure within an SUE could contribute to the regeneration of the wider area, particularly where deprivation is already an issue. However, the potential for effects is uncertain because it will depend on the factors contributing to the deprivation in that area and whether the SUE development addresses those particular issues,</p>
13. Soil, geology and land use			
a) Reduce land contamination, and safeguard soil and geological quality and quantity.	<ul style="list-style-type: none"> • The remediation of contaminated sites? • Levels of development on brownfield sites that are above the national target of 60%? • Development that protects soil processes and functions? • Development that protects sites valued for their geological characteristics? 	-/0	<p>All of the SUE site options are mostly greenfield, therefore it is assumed that the location of the SUEs would have no effect on land contamination.</p> <p>The site is mainly classified as being Grade 3 agricultural land, and is entirely on greenfield land. Therefore development of this site would have a minor negative effect on preserving soil quality.</p> <p>No Local Geological Sites (formerly RIGS) are located within or in close</p>

SA Objective	Appraisal questions. Will the plan/option lead to...?	SA Score	Justification
			<p>proximity to the site.</p> <p>The site is predominantly classed as Category B for ground instability, with a very small area to the west of the site classed as Category C. The site is therefore likely to have a negligible effect on ground instability. Overall a mixed effect (minor negative and negligible) is likely overall.</p> <p>Some areas of West Northamptonshire have been designated as Minerals Safeguarding and Consultation Areas in the Northamptonshire Draft Minerals and Waste Local Plan (January 2013). These are known locations of specific minerals resources that need to be safeguarded from sterilisation by non-mineral development. This does not mean that development cannot occur in these locations, but that the County Council will need to be consulted to determine whether prior extraction of the mineral resource is required before development. As such, no effect is recorded in relation to safeguarding geological quantity.</p>
14. Waste			
<p>a) To reduce waste generation and disposal, increase recycling and achieve the sustainable management of waste.</p>	<ul style="list-style-type: none"> • Explicitly set out to reduce the amount of waste generated by development and land use change? • Explicitly encourage development to use re-cycled materials and make provision for recycling / composting in all new development? • Make positive provision for appropriate sites for waste management facilities including waste to energy generation, with landfill being the least favoured option? • Encourage the reduction in the production and movement of hazardous waste? 	0	<p>The entire site is on greenfield land; therefore there are not likely to be the same opportunities that may exist on a partially brownfield site to re-use existing building materials. Potential effects will be influenced by the design and use of the development and the incorporation of sustainable waste management measures, rather than by the location of the development; therefore development here will have a negligible effect on this objective.</p>
15. Water			
<p>a) Maintain and continue to improve the ecological and chemical quality of groundwater and surface waters.</p> <p>b) Reduce risk of flooding.</p> <p>c) Improve efficiency of water use.</p> <p>d) Identify</p>	<ul style="list-style-type: none"> • Development where adequate water supply, foul drainage, sewage treatment facilities and surface water drainage is available? • Water efficient design and reduction in water consumption (e.g. rainwater recycling/grey water reuse and BREEAM/EcoHomes Excellent Standard)? • Development which supports and corresponds with PPS 25 and the flood risk management policies of the EA? • Development likely to affect the ecological 	-	<p>Effects on water quality will depend on the capacity of existing sewage treatment works to accommodate additional demand from new development, something that cannot be determined at this stage on the basis of the location of individual development sites.</p> <p>It is recognised that new development in any location may offer good opportunities to incorporate SuDS; however development on sites that are within high risk flood zones could have negative effects. A reasonably sized area to the north of the site (approximately 20% of the site) is within flood zones 2 and 3; however this area could be avoided by development and almost all of the site is outside of flood</p>

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<p>opportunities to implement strategic flood risk management options/measures to reflect the objectives in the River Nene and Great Ouse CFMPs.</p>	<p>status of groundwater and surface water and the ability of receiving water to accept additional flows?</p> <ul style="list-style-type: none"> • Development that results in increased spills from combined sewer outlets? • The incorporation of the flood risk management policies set out in the River Nene CFMP and the Great Ouse CFMP? • Safeguarding of flood storage areas identified in the Nene and Great Ouse CFMPs? • Development which incorporates SUDS (including their long-term maintenance), to ensure there is no increase in flood risk (and where possible lead to a reduction in flood risk)? 		<p>zones 2 and 3 therefore a minor negative effect on flood risk is likely.</p> <p>It is assumed that all new SUE development will be built to high standards of water efficiency, as such, no effect is recorded in relation to safeguarding water resources.</p>