

## Appendix A Table 3 Sustainability Appraisal Matrices - Additional Housing Figures

- a) 3100 - 725 homes/annum – Lower end of OAN
- b) 3600 - 750 homes/annum - Committed economic growth
- c) 4950 - 775 -homes/annum - Mid point range
- d) 5100 - 825 homes/annum – Upper end of OAN
- e) 6500 - 925 homes/annum – Full affordable need

The following assessment considers the additional housing figures against the SA objectives, the cumulative effects of the additional housing figures combined with the figures within the existing Core Strategy 2012 are also considered.

|                       |                       |                       |                       |                       |                         |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|
| ✓✓                    | ✓                     | x x                   | x                     | 0                     | ?                       |
| <b>Major positive</b> | <b>Minor positive</b> | <b>Major negative</b> | <b>Minor negative</b> | <b>Neutral effect</b> | <b>Uncertain effect</b> |

| SA Objectives  | A  | B  | C  | D   | E  |
|--|--|--|--|---|--|
| 1 To help to provide existing and future residents with the opportunity to live in a decent home and in a decent environment supported by appropriate levels of infrastructure | ✓  | ✓  | ✓  | ✓✓  | ✓✓   |
|  | This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.<br><b>Mitigation</b><br>Ensure infrastructure is phased alongside new housing development. | This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.<br><b>Mitigation</b><br>Ensure infrastructure is phased alongside new housing development. | This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011. The effects are similar to those identified within Option B,<br><b>Mitigation</b><br>Ensure infrastructure is phased alongside | This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011. However, the higher the number the more likely, if delivered, the option is to make up any shortfall in deliverability; | This option would result in significant positive effects in terms of providing a housing target above that in the Local Plan 2011. However, the higher the number the more likely, if delivered, the option is to make up any shortfall in deliverability; |

| SA Objectives | A   | B   | C   | D  | E   |
|---------------|---|---|---|--|---|
|               |   |   | new housing development.  | however positive effects may be reduced if not supported by appropriate infrastructure.<br><b>Mitigation</b><br>Ensure infrastructure is phased alongside new housing development.   | however positive effects may be reduced if not supported by appropriate infrastructure.<br><b>Enhancement</b><br>Ensure infrastructure is phased alongside new housing development.   |
|               | <p><b>Cumulative effects</b><br/>The additional housing figures on top of the existing Local Plan 2011 could have a significant positive effect in terms of providing a housing target above that in the Local Plan 2011 and this would only be in line with lower end of the OAN.</p> <p>Positive effects may be reduced if not supported by appropriate infrastructure, which in the long term and combined with the existing housing</p> | <p><b>Cumulative effects</b><br/>The additional housing figures on top of the existing Local Plan 2011 could have a significant positive effect in terms of providing a housing target above that in the Local Plan 2011 and this would be in line with committed economic growth.</p> <p>Positive effects may be reduced if not supported by appropriate infrastructure, which in the long term and combined with the existing housing</p> | <p><b>Cumulative effects</b><br/>The additional housing figures on top of the existing Local Plan 2011 could have a significant positive effect in terms of providing a housing target above that in the Local Plan 2011 and this would be in line with committed economic growth.</p> <p>Positive effects may be reduced if not supported by appropriate infrastructure, which in the long term and combined with the existing housing</p> | <p><b>Cumulative effects</b><br/>The additional housing figures on top of the existing Local Plan 2011 could have a significant positive effect in terms of providing a housing target above that in the Local Plan 2011 and this would be in line with upper end of OAN.</p> <p>Positive effects may be reduced if not supported by appropriate infrastructure, which in the long term and combined with the existing housing</p> | <p><b>Cumulative effects</b><br/>The additional housing figures on top of the existing Local Plan could have a significant positive effect in terms of providing a housing target above that in the Local Plan 2011 and this would be in line with full affordable need.</p> <p>Positive effects may be reduced if not supported by appropriate infrastructure, which in the long term and combined with the existing housing</p> |

| SA Objectives  | A   | B   | C   | D   | E   |
|--|---|---|---|---|---|
|  | allocations could lead to negative effects.   |
| 2 To help to create safe places for people to use and for businesses to operate, to reduce anti-social behaviour and reduce crime and the fear of crime. | ✓   | ✓   | ✓   | ✓   | ✓   |
|  | <p>New development will help create safer places through greater pedestrian flows and provide funding through development to ensure secure design principles.</p> <p><b>Enhancement</b><br/>Ensure that development is designed to reduce crime and the fear of crime, in line with SODC's Design Manual.</p> | <p>New development will help create safer places through greater pedestrian flows and provide funding through development to ensure secure design principles.</p> <p><b>Enhancement</b><br/>Ensure that development is designed to reduce crime and the fear of crime, in line with SODC's Design Manual.</p> | <p>New development will help create safer places through greater pedestrian flows and provide funding through development to ensure secure design principles.</p> <p><b>Enhancement</b><br/>Ensure that development is designed to reduce crime and the fear of crime, in line with SODC's Design Manual.</p> | <p>New development will help create safer places through greater pedestrian flows and provide funding through development to ensure secure design principles.</p> <p><b>Enhancement</b><br/>Ensure that development is designed to reduce crime and the fear of crime, in line with SODC's Design Manual.</p> | <p>New development will help create safer places through greater pedestrian flows and provide funding through development to ensure secure design principles.</p> <p><b>Enhancement</b><br/>Ensure that development is designed to reduce crime and the fear of crime, in line with SODC's Design Manual.</p> |
|  | <p><b>Cumulative effects</b><br/>Providing good design principles are followed, the cumulative and long term effects will result in appropriate design which may reduce</p>   | <p><b>Cumulative effects</b><br/>Providing good design principles are followed, the cumulative and long term effects will result in appropriate design which may reduce</p>   | <p><b>Cumulative effects</b><br/>Providing good design principles are followed, the cumulative and long term effects will result in appropriate design which may reduce</p>   | <p><b>Cumulative effects</b><br/>Providing good design principles are followed, the cumulative and long term effects will result in appropriate design which may reduce</p>   | <p><b>Cumulative effects</b><br/>Providing good design principles are followed, the cumulative and long term effects will result in appropriate design which may reduce</p>   |

| SA Objectives  | A   |   | B   |   | C   |   | D   |   | E   |
|--|---|---|---|---|---|---|---|---|---|
|  | crime and antisocial behaviour.   |   | crime and antisocial behaviour.   |   | crime and antisocial behaviour.   |   | crime and antisocial behaviour.   |   | crime and antisocial behaviour.   |
| 3 To improve accessibility for everyone to health, education, recreation, cultural, and community facilities and services. | ✓   | x | ✓   | x | ✓   | x | ✓   | x | xx  |
|  | <p>The location of housing is relevant to this option. Additional housing development may result in demand for additional services. Funding may be available for additional services from CIL.</p> <p><b>Mitigation</b><br/>Ensure housing is located with good access to amenities, were possibly. Ensure funding for additional services is provided.</p> |   | <p>The location of housing is relevant to this option. Additional housing development may result in demand for additional services. Funding may be available for additional services from CIL.</p> <p><b>Mitigation</b><br/>Ensure housing is located with good access to amenities, were possibly. Ensure funding for additional services is provided.</p> |   | <p>The location of housing is relevant to this option. Additional housing development may result in demand for additional services. Funding may be available for additional services from CIL.</p> <p><b>Mitigation</b><br/>Ensure housing is located with good access to amenities, were possibly. Ensure funding for additional services is provided.</p> |   | <p>The location of housing is relevant to this option. Additional housing development may result in demand for additional services. Funding may be available for additional services from CIL.</p> <p><b>Mitigation</b><br/>Ensure housing is located with good access to amenities, were possibly. Ensure funding for additional services is provided.</p> |   | <p>The location of housing is relevant to this option. This option is for the full affordable need and it may not be possible to locate housing in the best possible locations.</p> <p>Providing for the full affordable need may not be economically viable and could result in funding for necessary infrastructure being reduced, resulting in significant negative effects.</p> <p><b>Mitigation</b><br/>It may not be possible to mitigate negative effects.</p> |
|  | <b>Cumulative effects</b>   |   | <b>Cumulative effects</b>   |   | <b>Cumulative effects</b>   |   | <b>Cumulative effects</b>   |   | <b>Cumulative effects</b>   |

| SA Objectives  | A   | B   | C   | D   | E   |
|--|---|---|---|---|---|
|  | <p>Providing further housing on top of the existing Local Plan 2011 allocations will create demand for services, it may not be possible to locate housing in the best possible locations especially in more rural areas, thus resulting in dependency on private car use.</p> | <p>Providing further housing on top of the existing Local Plan 2011 allocations will create demand for services, it may not be possible to locate housing in the best possible locations especially in more rural areas, thus resulting in dependency on private car use.</p> | <p>Providing further housing on top of the existing Local Plan 2011 allocations will create demand for services, it may not be possible to locate housing in the best possible locations especially in more rural areas, thus resulting in dependency on private car use.</p> | <p>Providing further housing on top of the existing Local Plan 2011 allocations will create demand for services, it may not be possible to locate housing in the best possible locations especially in more rural areas, thus resulting in dependency on private car use.</p> | <p>Providing further housing on top of the existing Local Plan 2011 allocations will create a high demand for services, it may not be possible to locate housing in the best possible locations especially in more rural areas, thus resulting in dependency on private car use. The most vulnerable members of society would be impacted the most due to lack of accessibility to services, resulting in significant negative effects over time.</p> |
| <p>4 To maintain and improve people's health, well-being, and community cohesion and support voluntary, community, and faith groups.</p> | <p style="text-align: center;">✓</p> <p>The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.<br/><b>Enhancements</b></p>   | <p style="text-align: center;">✓</p> <p>The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.<br/><b>Enhancements</b></p>   | <p style="text-align: center;">✓</p> <p>The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.<br/><b>Enhancements</b></p>   | <p style="text-align: center;">✓</p> <p>The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.<br/><b>Enhancements</b></p>   | <p style="text-align: center;">XX</p> <p>This option provides housing to meet the full affordable need, however it may not be possible to locate housing in the best possible locations with this option. Providing for the full affordable need may</p>  |

| SA Objectives | A  | B  | C  | D  | E   |
|---------------|--|--|--|--|---|
|               | <p>Ensure housing is located with good access to amenities and supports social cohesion.</p>   | <p>Ensure housing is located with good access to amenities and supports social cohesion.</p>   | <p>Ensure housing is located with good access to amenities and supports social cohesion.</p>   | <p>Ensure housing is located with good access to amenities and supports social cohesion.</p>   | <p>not be economically viable and could result in funding for necessary infrastructure being reduced, resulting in an overall negative impact.</p> <p><b>Mitigation</b><br/>It may not be possible to mitigate the negative effects.</p>  |
|               | <p><b>Cumulative effects</b><br/>If future housing is located in appropriate locations with good access to amenities and supports social cohesion, the cumulative impacts would be positive.</p> | <p><b>Cumulative effects</b><br/>If future housing is located in appropriate locations with good access to amenities and supports social cohesion, the cumulative impacts would be positive.</p> | <p><b>Cumulative effects</b><br/>If future housing is located in appropriate locations with good access to amenities and supports social cohesion, the cumulative impacts would be positive.</p> | <p><b>Cumulative effects</b><br/>If future housing is located in appropriate locations with good access to amenities and supports social cohesion, the cumulative impacts would be positive.</p> | <p><b>Cumulative effects</b><br/>It may not be possible to mitigate the negative effects, in the long term. The higher housing figures combined with the existing housing allocations within the Local Plan 2011 could result in a breakdown of community cohesion across the district.</p> |

| SA Objectives  | A   |   | B  |  | C   |   | D |   | E |
|--|---|---|--|--|---|---|---|---|---|
| 5 To reduce harm to the environment by seeking to minimise pollution of all kinds especially water, air, soil and noise pollution. | ?   | x   | ?  | x  | ?   | x | ? | x | x |
|  | <p>Any additional housing on top of the Local Plan 2011 may have a negative effect.</p> <p>Providing less housing is likely to result in less impact.</p> <p>In the short term noise pollution may increase during the construction phase.</p> <p>There is likely to be an increase in car borne traffic locally. Any reduction in greenfield land may result in pollution from surface run-off.</p> <p><b>Mitigation:</b><br/>Ensure phasing of development occurs to reduce noise impacts.</p> <p>Encourage the use of permeable surfaces and SUDS.</p> | <p>Any additional housing on top of the Local Plan 2011 may have a negative effect.</p> <p>Providing less housing is likely to result in less impact.</p> <p>In the short term noise pollution may increase during the construction phase.</p> <p>There is likely to be an increase in car borne traffic locally. Any reduction in greenfield land may result in pollution from surface run-off.</p> <p><b>Mitigation:</b><br/>Ensure phasing of development occurs to reduce noise impacts.</p> <p>Encourage the use of permeable surfaces and SUDS.</p> | <p>Any additional housing on top of the Local Plan 2011 may have a negative effect.</p> <p>This option is likely to be more negative when compared to option A, effects will be similar to Option B.</p> <p>Providing less housing is likely to result in less impact, when compared to Options D and E.</p> <p>In the short term noise pollution may increase during the construction phase.</p> <p>There is likely to be an increase in car borne traffic locally. Any reduction in greenfield land may result in pollution from surface run-off.</p> <p><b>Mitigation:</b><br/>Ensure phasing of development occurs to reduce noise impacts.</p> <p>Encourage the use of permeable surfaces and SUDS.</p> | <p>Any additional housing on top of the Local Plan 2011 may have a negative effect. This option is likely to be more negative compared to options A, B and C.</p> <p>In the short term noise pollution may increase during the construction phase.</p> <p>There is likely to be an increase in car borne traffic locally.</p> <p>Any reduction in greenfield land may result in pollution from surface run-off.</p> <p><b>Mitigation:</b><br/>Ensure phasing of development occurs to reduce noise impacts.</p> <p>Encourage the use of permeable surfaces and SUDS.</p> | <p>Any additional housing on top of the Local Plan 2011 may have a negative effect. This option is likely to have more significant negative effect compared to the other four options.</p> <p>In the short term noise pollution may increase during the construction phase.</p> <p>There is likely to be an increase in car borne traffic locally.</p> <p>This option may result in a larger reduction in greenfield land may result in pollution from surface run-off.</p> <p><b>Mitigation:</b><br/>Ensure phasing of development occurs to reduce noise impacts.</p> |   |   |   |   |

| SA Objectives | A  | B  | C  | D  | E   |
|---------------|--|--|--|--|---|
|               | <p>Consider sustainable transport accessibility when deciding locations for new housing.</p>   | <p>Consider sustainable transport accessibility when deciding locations for new housing.</p>   | <p>Ensure phasing of development occurs to reduce noise impacts.</p> <p>Encourage the use of permeable surfaces and SUDS.</p> <p>Consider sustainable transport accessibility when deciding locations for new housing.</p> | <p>Consider sustainable transport accessibility when deciding locations for new housing.</p>   | <p>Encourage the use of permeable surfaces and SUDS.</p> <p>Consider sustainable transport accessibility when deciding locations for new housing.</p>   |
|               | <p><b>Cumulative effects</b><br/>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.</p> | <p><b>Cumulative effects</b><br/>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.</p> | <p><b>Cumulative effects</b><br/>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.</p>   | <p><b>Cumulative effects</b><br/>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.</p> | <p><b>Cumulative effects</b><br/>Even if mitigation is implemented through-out the development and operational phases there are likely to be significant negative effects when combined with the impacts of the existing Local Plan 2011.</p> <p>This option could impact a wider area if mitigation cannot be implemented for example air pollution may increase and the</p> |

| SA Objectives   | A   |   | B   |   | C   |  | D |    | E                                 |
|---|---|---|---|---|---|--|---|----|-----------------------------------|
|   |   |   |   |   |   |  |   |    | cumulative effects maybe greater. |
| 6 To improve travel choice and accessibility, reduce the need to travel by car and shorten the length and duration of journeys. | ?   | x   | ?   | x   | ?   | x  | ? | xx | xx                                |
|   | <p>The location of housing is relevant to this option, however any increase in population may result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services.</p> <p>Funding from additional homes could be provided for sustainable/ green transport networks to be improved.</p> <p><b>Mitigation</b><br/>Ensure good urban design principles are implemented to create good access to towns and villages.</p> <p>Work with infrastructure providers to identify were an increase in sustainable modes of transport is required.</p> | <p>The location of housing is relevant to this option, however any increase in population may result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services.</p> <p>Funding from additional homes could be provided for sustainable/ green transport networks to be improved.</p> <p><b>Mitigation</b><br/>Ensure good urban design principles are implemented to create good access to towns and villages.</p> <p>Work with infrastructure providers to identify were an increase in sustainable modes of transport is required.</p> | <p>The location of housing is relevant to this option, however any increase in population may result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services.</p> <p>Funding from additional homes could be provided for sustainable/ green transport networks to be improved.</p> <p><b>Mitigation</b><br/>Ensure good urban design principles are implemented to create good access to towns and villages.</p> <p>Work with infrastructure providers to identify were an increase in sustainable modes of transport is required.</p> | <p>The location of housing is relevant to this option, however any increase in population may result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services.</p> <p>Funding from additional homes could be provided for sustainable/ green transport networks to be improved.</p> <p><b>Mitigation</b><br/>Ensure good urban design principles are implemented to create good access to towns and villages.</p> <p>Work with infrastructure providers to identify were an increase in sustainable modes of transport is required.</p> | <p>The location of housing is relevant to this option, however any increase in population may result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services.</p> <p>Funding from additional homes could be provided for sustainable/ green transport networks to be improved.</p> <p><b>Mitigation</b><br/>Ensure good urban design principles are implemented to create good access to towns and villages.</p> <p>Work with infrastructure providers to identify were an increase in sustainable modes of transport is required.</p> | <p>This option provides housing to meet the full affordable need, however it may not be possible to locate housing in the best possible locations with this option. Overall this option will result in additional vehicle use; additional journeys may be required to access secondary schools, sports facilities and other services. This option is for the highest amount of additional housing and therefore the negative effects will be greater</p> <p>Providing for the full affordable need may not be economically viable and could result in funding for necessary infrastructure being</p> |   |    |                                   |

| SA Objectives | A  | B  | C  | D   | E  |
|---------------|--|--|--|---|--|
|               | <p>This should include, cycle ways, linking to green infrastructure.</p> <p>New housing should be located in accessible locations.</p> | <p>This should include, cycle ways, linking to green infrastructure.</p> <p>New housing should be located in accessible locations.</p> | <p>This should include, cycle ways, linking to green infrastructure.</p> <p>New housing should be located in accessible locations.</p> | <p>transport is required. This should include, cycle ways, linking to green infrastructure.</p> <p>New housing should be located in accessible locations.</p> | <p>reduced, resulting in an overall negative impact.</p> <p><b>Mitigation</b><br/>It may not be possible to mitigate the full impact of the negative effects, although the below should be considered.</p> <p>Ensure good urban design principles are implemented to create good access to towns and villages. Work with infrastructure providers to identify where an increase in sustainable modes of transport is required. This should include, cycle ways, linking to green infrastructure.</p> <p>New housing should be located in accessible locations.</p> |

| SA Objectives                          | A   |   | B   |   | C  |   | D   |   | E  |    |
|--|---|---|---|---|--|---|---|---|--|----|
|  | <b>Cumulative effects</b><br>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.  |   | <b>Cumulative effects</b><br>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.  |   | <b>Cumulative effects</b><br>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.   |   | <b>Cumulative effects</b><br>If mitigation is implemented through-out the development and operational phases there should be limited negative effects.  |   | <b>Cumulative effects</b><br>It may not be possible to mitigate the negative effects, in the long term. The higher housing figures combined with the existing Local Plan 2011 allocations will result in additional vehicle use; this will result in congestion and reduction in air quality over a wider area.            |    |
| 7 To conserve and enhance biodiversity | ?   | x | ?   | x | ?  | x | ?   | x | ?  | xx |
|  | It is the distribution and location of new housing that will determine the impact upon biodiversity, however, providing less housing is likely to result in less impact.<br><br>There is likely to be an increase in car borne traffic locally.<br><br>Any reduction in greenfield land may |   | It is the distribution and location of new housing that will determine the impact upon biodiversity, however, providing less housing is likely to result in less impact.<br><br>There is likely to be an increase in car borne traffic locally.<br><br>Any reduction in greenfield land may |   | It is the distribution and location of new housing that will determine the impact upon biodiversity, however, providing less housing is likely to result in less impact. This option is likely to be more negative when compared to option A, effects will be similar to Option B. |   | It is the distribution and location of new housing that will determine the impact upon biodiversity.<br><br>There is likely to be an increase in car borne traffic locally.<br><br>Any reduction in greenfield land may result in pollution from surface run-off. |   | This option provides housing to meet the full affordable need, however it may not be possible to locate housing in the best possible locations with this option.<br><br>There is likely to be an increase in car borne traffic locally.<br><br>This option is likely to result in further reduction of greenfield land may |    |

| SA Objectives | A  | B  | C  | D  | E   |
|---------------|--|--|--|--|---|
|               | <p>result in pollution from surface run-off.</p> <p>.</p> <p>The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC</p> <p>Additional development can lead to increased emissions from vehicle movement and put strain on water resources, both can have detrimental effects on SAC's.</p> <p>Additional development could assist with funding for biodiversity enhancement for example: green</p> | <p>result in pollution from surface run-off.</p> <p>.</p> <p>The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC</p> <p>Additional development can lead to increased emissions from vehicle movement and put strain on water resources, both can have detrimental effects on SAC's.</p> <p>Additional development could assist with funding for biodiversity enhancement for example: green</p> | <p>There is likely to be an increase in car borne traffic locally.</p> <p>Any reduction in greenfield land may result in pollution from surface run-off.</p> <p>.</p> <p>The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC</p> <p>Additional development can lead to increased emissions from vehicle movement and put strain on water resources, both can have detrimental effects on SAC's.</p> | <p>The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC</p> <p>Additional development can lead to increased emissions from vehicle movement and put strain on water resources, both can have detrimental effects on SAC's.</p> <p>Additional development could assist with funding for biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc.</p> | <p>result in pollution from surface run-off and reduce biodiversity.</p> <p>.</p> <p>The following European Sites need to be considered when identifying areas for additional housing development. Aston Rowant SAC, Chiltern Beechwoods SAC, Cothill Fen SAC, Hartslock Woods SAC, Little Wittenham SAC Oxford Meadows SAC</p> <p>Additional development can lead to increased emissions from vehicle movement and put strain on water resources, both can have detrimental effects on SAC's.</p> <p>Additional development could assist with funding for biodiversity</p> |

| SA Objectives | A   | B   | C  | D  | E  |
|---------------|---|---|--|--|--|
|               | <p>infrastructure, wildlife areas, buffer zones etc.</p> <p><b>Mitigation:</b><br/>           Incorporate green infrastructure into the design and biodiversity enhancement schemes.<br/>           Ensure the Habitats Regulation Assessment Screening is undertaken.<br/>           Carry out a BAP phase 1 survey.</p> | <p>infrastructure, wildlife areas, buffer zones etc.</p> <p><b>Mitigation:</b><br/>           Incorporate green infrastructure into the design and biodiversity enhancement schemes.<br/>           Ensure the Habitats Regulation Assessment Screening is undertaken.<br/>           Carry out a BAP phase 1 survey.</p> | <p>Additional development could assist with funding for biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc.</p> <p><b>Mitigation:</b><br/>           Incorporate green infrastructure into the design and biodiversity enhancement schemes.<br/>           Ensure the Habitats Regulation Assessment Screening is undertaken.<br/>           Carry out a BAP phase 1 survey.</p> | <p><b>Mitigation:</b><br/>           Incorporate green infrastructure into the design and biodiversity enhancement schemes.<br/>           Ensure the Habitats Regulation Assessment Screening is undertaken.<br/>           Carry out a BAP phase 1 survey.</p> | <p>enhancement for example: green infrastructure, wildlife areas, buffer zones etc, however if the full affordable need is met along with the required infrastructure funding may not be available for biodiversity enhancement schemes also.</p> <p><b>Mitigation:</b><br/>           In may not be possible to fully mitigate the effects with this option, although the below should be considered.</p> <p>Incorporate green infrastructure into the design and biodiversity enhancement schemes.<br/>           Ensure the Habitats Regulation Assessment Screening is undertaken.</p> |

| SA Objectives | A   | B   | C   | D   | E   |
|---------------|---|---|---|---|---|
|               |   |   |   |   | Carry out a BAP phase 1 survey.   |
|               | <p><b>Cumulative effects</b><br/>The implementation of mitigation throughout the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.</p> | <p><b>Cumulative effects</b><br/>The implementation of mitigation throughout the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.</p> | <p><b>Cumulative effects</b><br/>The implementation of mitigation throughout the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.</p> | <p><b>Cumulative effects</b><br/>The implementation of mitigation throughout the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.</p> | <p><b>Cumulative effects</b><br/>This option raises a number of uncertainties as stated above. Meeting the full affordable needs, is likely to result in further loss of biodiversity and it is uncertain whether it would be economically viable to provide biodiversity enhancement scheme within the developments.</p> |

| SA Objectives   | A  |   | B  |   | C  |   | D  |   | E  |
|---|--|---|--|---|--|---|--|---|--|
|   |  |   |  |   |  |   |  |   | The negative effects of this option could impact a wider area in the future.   |
| 8 To improve efficiency in land use and to conserve and enhance the district's open spaces and countryside in particular, those areas designated for their landscape importance, minerals, biodiversity and soil quality. | ?  | x | ?  | x | ?  | x | ?  | x | xx   |
|   | <p>The building of new homes will inevitably result in the loss of some existing greenfield land. It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on designated sites, biodiversity and soil quality.</p> <p><b>Mitigation</b><br/>Seek to make the most effective use of any greenfield land. Ensure a high quality of design to minimise impact on the landscape.</p> |   | <p>The building of new homes will inevitably result in the loss of some existing greenfield land. It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on designated sites, biodiversity and soil quality.</p> <p><b>Mitigation</b><br/>Seek to make the most effective use of any greenfield land. Ensure a high quality of design to minimise impact on the landscape.</p> |   | <p>The building of new homes will inevitably result in the loss of some existing greenfield land. It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on designated sites, biodiversity and soil quality. This option is likely to be more negative when compared to option A, effects will be similar to Option B.</p> <p><b>Mitigation</b><br/>Seek to make the most effective use of</p> |   | <p>The building of new homes will inevitably result in the loss of some existing greenfield land. It is the distribution and location of new housing that will determine the impact upon this objective.</p> <p><b>Mitigation</b><br/>Seek to make the most effective use of any greenfield land. Ensure a high quality of design to minimise impact on the landscape. Avoid development in locations that will impact the AONB.</p> |   | <p>This option provides housing to meet the full affordable need, therefore the loss of greenfield land is inevitable, due to the numbers for new housing with this option development within the AONB may be necessary if there are no other suitable sites available.</p> <p>This option may result in significant negative effects.</p> <p><b>Mitigation</b><br/>It may not be possible to fully minimise the negative effects.</p> |

| SA Objectives   | A  |   | B  |   | C  |   | D  |   | E   |    |
|---|--|---|--|---|--|---|--|---|---|----|
|   | Avoid development in locations that will impact the AONB.  |   | Avoid development in locations that will impact the AONB.  |   | any greenfield land. Ensure a high quality of design to minimise impact on the landscape. Avoid development in locations that will impact the AONB.  |   |  |   |   |    |
|   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |   | <b>Cumulative effects</b><br>If mitigation is not implemented, then there are likely to be landscape impacts and possible extensive loss of greenfield land, soil quality will be reduced and accessibility to valuable minerals may also reduce. |    |
| 9 To conserve and enhance the district's historic environment including archaeological resources and to ensure that new development is of a high quality design and reinforces local distinctiveness. | ?  | x | ?  | x | ?  | x | ?  | x | ?   | xx |
|   | It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on the historic environment including |   | It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on the historic environment including |   | It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on the historic environment including |   | It is the distribution and location of new housing that will determine the impact upon this objective, however less additional housing will have less impact on the historic environment including |   | It is the distribution and location of new housing that will determine the impact upon this objective.<br><br>This option provides housing to meet the full affordable need, therefore the impacts on the district's historic environment         |    |

| SA Objectives | A   | B   | C   | D   | E  |
|---------------|---|---|---|---|--|
|               | <p>archaeological resources.</p> <p><b>Mitigation</b><br/>Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological desk-based assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.</p> | <p>archaeological resources.</p> <p><b>Mitigation</b><br/>Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological desk-based assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.</p> | <p>archaeological resources.</p> <p><b>Mitigation</b><br/>Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological desk-based assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.</p> | <p>archaeological resources.</p> <p><b>Mitigation</b><br/>Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological desk-based assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.</p> | <p>including archaeological resources could result in significant negative effects, and it may not be possible to locate housing in appropriate locations.</p> <p><b>Mitigation</b><br/>It may not be possible to fully minimise the negative effects, although the below should be considered.</p> <p>Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological desk-based assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.</p> |

| SA Objectives   | A   | B   | C   | D  | E   |   |
|---|---|---|---|--|---|---|
|   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>If mitigation is not implemented, negative impacts on the historic environment including archaeological resources is inevitable in the long term |   |
| 10 To seek to address the causes and effects of climate change by:<br>a) securing sustainable building practices which conserve energy, water resources and materials;<br>b) protecting, enhancing and improving our water supply where possible<br>c) maximizing the proportion of energy generated from renewable sources; and<br>d) ensuring that the design and location of new development | <div style="text-align: center; background-color: #00FF00;">✓</div> <p>New development offers the opportunity to implement sustainable design principles.</p> <p>Additional dwellings will put pressure on resource use including: energy, water capacity and sewage capacity, it is assumed that sustainable design principles will be implemented.</p> <p><b>Enhancement:</b></p> <p>Include SUDS in all designs.</p> | <div style="text-align: center; background-color: #00FF00;">✓</div> <p>New development offers the opportunity to implement sustainable design principles.</p> <p>Additional dwellings will put pressure on resource use including: energy, water capacity and sewage capacity, it is assumed that sustainable design principles will be implemented.</p> <p><b>Enhancement:</b></p> <p>Include SUDS in all designs.</p> | <div style="text-align: center; background-color: #00FF00;">✓</div> <p>New development offers the opportunity to implement sustainable design principles.</p> <p>Additional dwellings will put pressure on resource use including: energy, water capacity and sewage capacity, it is assumed that sustainable design principles will be implemented.</p> <p><b>Enhancement:</b></p> <p>Include SUDS in all designs.</p> | <div style="text-align: center; background-color: #00FF00;">✓</div> <p>New development offers the opportunity to implement sustainable design principles.</p> <p>Additional dwellings will put pressure on resource use including: energy, water capacity and sewage capacity, it is assumed that sustainable design principles will be implemented.</p> <p><b>Enhancement:</b></p> <p>Encourage green infrastructure and biodiversity enhancement</p> | <div style="text-align: center; background-color: #FFFF00;">?</div>   | <div style="text-align: center; background-color: #00FF00;">✓</div> <p>New development offers the opportunity to implement sustainable design principles.</p> <p>Additional dwellings will put pressure on resource use including energy, water capacity and sewage capacity, it is assumed that sustainable design principles will be implemented.</p> <p>This option does raise a number of uncertainties, housing may need to be located is less</p> |

| SA Objectives   | A  | B  | C  | D   | E  |
|---|--|--|--|---|--|
| <p>is resilient to the effects of climate change.</p> | <p>Promote sustainable building practices which conserve energy, water resources and materials.</p> <p>Continue to work with Thames water to ensure water and sewage capacity is maintained.</p> | <p>Promote sustainable building practices which conserve energy, water resources and materials.</p> <p>Continue to work with Thames water to ensure water and sewage capacity is maintained.</p> | <p>Promote sustainable building practices which conserve energy, water resources and materials.</p> <p>Continue to work with Thames water to ensure water and sewage capacity is maintained.</p> | <p>schemes; these are beneficial to flood prevention and resilience to climate change.</p> <p>Continue to work with Thames water to ensure water and sewage capacity is maintained.</p> | <p>suitable locations and it may not be economically viable to design new development to be resilient to the effects of climate change.</p> <p><b>Mitigation:</b><br/>Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.</p> <p>Continue to work with Thames water to ensure water and sewage capacity is maintained.</p> |
|   | <p><b>Cumulative effects</b><br/>Adherence to good design principles will reduce negative impacts.</p>   | <p><b>Cumulative effects</b><br/>Adherence to good design principles will reduce negative impacts.</p>   | <p><b>Cumulative effects</b><br/>Adherence to good design principles will reduce negative impacts.</p>   | <p><b>Cumulative effects</b><br/>Adherence to good design principles will reduce negative impacts.</p>  | <p><b>Cumulative effects</b><br/>If mitigation is not implemented, greater negative impacts may arise, these include, negative impacts on resource use: water, energy and materials. Long</p>  |

| SA Objectives  | A  | B  | C  | D  | E  |
|--|--|--|--|--|--|
|  |  |  |  |  | term negative effects associated with climate change adaptation is inevitable.   |
| 11 To reduce the risk of, and damage from, flooding. | <p style="text-align: center;"><b>0</b></p> <p>There are a number of flood zones through-out the district, although land is available outside of the flood zones.</p> <p>Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.</p> <p><b>Enhancement:</b> Identification of development sites should include constraints with regard to all types of flooding.</p> | <p style="text-align: center;"><b>0</b></p> <p>There are a number of flood zones through-out the district, although land is available outside of the flood zones.</p> <p>Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.</p> <p><b>Enhancement:</b> Identification of development sites should include constraints with regard to all types of flooding.</p> | <p style="text-align: center;"><b>0</b></p> <p>There are a number of flood zones through-out the district, although land is available outside of the flood zones.</p> <p>Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.</p> <p><b>Enhancement:</b> Identification of development sites should include constraints with regard to all types of flooding.</p> | <p style="text-align: center;"><b>0</b></p> <p>There are a number of flood zones through-out the district, although land is available outside of the flood zones.</p> <p>Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.</p> <p><b>Enhancement:</b> Identification of development sites should include constraints with regard to all types of flooding.</p> | <p style="text-align: center;"><b>0</b></p> <p>There are a number of flood zones through-out the district, although land is available outside of the flood zones.</p> <p>Development will take place only on flood zone 1 land and SUDS will be incorporated into all new developments, this will be beneficial to climate change adaptation.</p> <p><b>Enhancement:</b> Identification of development sites should include constraints with regard to all types of flooding.</p> |

| SA Objectives  | A  | B  | C  | D  | E  |
|--|--|--|--|--|--|
|  | Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.<br><br>Include SUDS in all designs   | Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.<br><br>Include SUDS in all designs   | Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.<br><br>Include SUDS in all designs   | Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.<br><br>Include SUDS in all designs   | Encourage green infrastructure and biodiversity enhancement schemes; these are beneficial to flood prevention and resilience to climate change.<br><br>Include SUDS in all designs   |
|  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |
| 12 To seek to minimise waste generation and encourage the reuse of waste through recycling, compost, or energy recovery. | <b>x</b>   | <b>x</b>   | <b>x</b>   | <b>x</b>   | <b>x</b>   |
|  | The development of new housing, will lead to construction and demolition waste being produced.<br><b>Mitigation:</b><br>The Site Waste Management Plans Regulations (2008) were repealed on 1 December 2013.<br>Although no longer a | The development of new housing, will lead to construction and demolition waste being produced.<br><b>Mitigation:</b><br>The Site Waste Management Plans Regulations (2008) were repealed on 1 December 2013.<br>Although no longer a | The development of new housing, will lead to construction and demolition waste being produced.<br><b>Mitigation:</b><br>The Site Waste Management Plans Regulations (2008) were repealed on 1 December 2013.<br>Although no longer a | The development of new housing, will lead to construction and demolition waste being produced.<br><b>Mitigation:</b><br>The Site Waste Management Plans Regulations (2008) were repealed on 1 December 2013.<br>Although no longer a | The development of new housing, will lead to construction and demolition waste being produced.<br><b>Mitigation:</b><br>The Site Waste Management Plans Regulations (2008) were repealed on 1 December 2013.<br>Although no longer a |

| SA Objectives  | A  | B  | C  | D  | E  |
|--|--|--|--|--|--|
|  | regulatory requirement in England, SWMPs are still considered to be good practice.   | regulatory requirement in England, SWMPs are still considered to be good practice.   | regulatory requirement in England, SWMPs are still considered to be good practice.   | regulatory requirement in England, SWMPs are still considered to be good practice.   | regulatory requirement in England, SWMPs are still considered to be good practice.   |
|  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.  |
| 13 To assist in the development of:<br>a) high and stable levels of employment and facilitating inward investment;<br>b) a strong, innovative and knowledge-based economy that deliver high-value-added, sustainable, low-impact activities;<br>c) small firms, particularly those | <div style="background-color: #00FF00; text-align: center; padding: 2px;">✓</div> Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.<br><b>Enhancement:</b><br>Ensure affordable housing is available. | <div style="background-color: #00FF00; text-align: center; padding: 2px;">✓</div> Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.<br><b>Enhancement:</b><br>Ensure affordable housing is available.<br>Ensure accessibility to employment sites is available. | <div style="background-color: #00FF00; text-align: center; padding: 2px;">✓</div> Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.<br><b>Enhancement:</b><br>Ensure affordable housing is available.<br>Ensure accessibility to employment sites is available. | <div style="background-color: #00FF00; text-align: center; padding: 2px;">✓</div> Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.<br><b>Enhancement:</b><br>Ensure affordable housing is available.<br>Ensure new housing is located in areas accessible to employment sites. | <div style="background-color: #00FF00; text-align: center; padding: 2px;">✓</div> Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.<br><b>Enhancement:</b><br>Ensure affordable housing is available.<br>Ensure new housing is located in areas accessible to employment sites. |

| SA Objectives   | A   | B   | C   | D   | E   |
|---|---|---|---|---|---|
| that maintain and enhance the rural economy; and d) thriving economies in market towns and villages   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts  | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   |
| 14 To support the development of Science Vale as an internationally recognised innovation and enterprise zone by:<br>a) attracting new high value businesses;<br>b) supporting innovation and enterprise;<br>c) delivering new jobs;<br>d) supporting and accelerating the delivery of new homes; and<br>e) developing and improving infrastructure across the Science Vale area. | ✓   | ✓   | ✓   | ✓   | ✓   |
|   | All options would help support the delivery of new homes and could help to fund infrastructure.<br><br><b>Mitigation:</b><br>Work with infrastructure providers to ensure delivery. | All options would help support the delivery of new homes and could help to fund infrastructure.<br><br><b>Mitigation:</b><br>Work with infrastructure providers to ensure delivery. | All options would help support the delivery of new homes and could help to fund infrastructure.<br><br><b>Mitigation:</b><br>Work with infrastructure providers to ensure delivery. | All options would help support the delivery of new homes and could help to fund infrastructure.<br><br><b>Mitigation:</b><br>Work with infrastructure providers to ensure delivery. | All options would help support the delivery of new homes and could help to fund infrastructure.<br><br><b>Mitigation:</b><br>Work with infrastructure providers to ensure delivery. |
|   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   | <b>Cumulative effects</b><br>The implementation of mitigation will reduce negative impacts.   |
|   | 0   | 0   | 0   | 0   | 0   |

| SA Objectives   | A  | B  | C  | D  | E  |
|---|--|--|--|--|--|
| 15 To assist in the development of a skilled workforce to support the long term competitiveness of the district by raising education achievement levels and encouraging the development of the skills needed for everyone to find and remain in work. | No direct impact   |
| 16 To encourage the development of a buoyant, sustainable tourism sector.   | 0<br>No direct impact  |
| 17 Support community involvement in decisions affecting them and enable communities to provide local services and solutions.  | ✓✓<br>The Council has involved the community in the decision making process.<br><b>Mitigation:</b><br>Continue to work with the local community. | ✓✓<br>The Council has involved the community in the decision making process.<br><b>Mitigation:</b><br>Continue to work with the local community. | ✓✓<br>The Council has involved the community in the decision making process.<br><b>Mitigation:</b><br>Continue to work with the local community. | ✓✓<br>The Council has involved the community in the decision making process.<br><b>Mitigation:</b><br>Continue to work with the local community. | ✓✓<br>The Council has involved the community in the decision making process.<br><b>Mitigation:</b><br>Continue to work with the local community. |