## 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.

11	✓	хх	X	0	?
Major positive	Minor positive	Major negative	Minor negative	Neutral effect	Uncertain effect

Α	В	С	D	E
✓	✓	✓	11	11
This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation 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.  Mitigation 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, Mitigation Ensure infrastructure	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	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
		is phased alongside	deliverability;	deliverability;
	This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing	This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing  This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing	This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing  This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing  This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation Ensure infrastructure is phased alongside new housing  Mitigation  This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Ensure infrastructure is phased alongside new housing  Mitigation  This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Option B, Mitigation	This option would result in significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation 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 significant positive effect in terms of providing a housing target above that in the Local Plan 2011.  Mitigation 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,  Mitigation Ensure infrastructure is phased alongside new housing development.  Mitigation 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,  Mitigation Ensure infrastructure is phased alongside new housing development.

SA Objectives	A	В	С	D	E
			new housing	however positive	however positive
			development.	effects may be	effects may be
				reduced if not	reduced if not
				supported by	supported by
				appropriate	appropriate
				infrastructure.	infrastructure.
				Mitigation	Enhancement
				Ensure infrastructure	Ensure infrastructure
				is phased alongside	is phased alongside
				new housing	new housing
				development.	development.
	Cumulative effects	Cumulative effects	Cumulative effects	Cumulative effects	Cumulative effects
	The additional	The additional	The additional	The additional	The additional
	housing figures on	housing figures on	housing figures on	housing figures on	housing figures on
	top of the existing	top of the existing			
	Local Plan 2011	Local Plan 2011	Local Plan 2011	Local Plan 2011	Local Plan could
	could have a	could have a	could have a	could have a	have a significant
	significant positive	significant positive	significant positive	significant positive	positive effect in
	effect in terms of	terms of providing a			
	providing a housing	providing a housing	providing a housing	providing a housing	housing target above
	target above that in	that in the Local Plan			
	the Local Plan 2011	2011 and this would			
	and this would only	and this would be in	and this would be in	and this would be in	be in line with full
	be in line with lower	line with committed	line with committed	line with upper end of	affordable need.
	end of the OAN.	economic growth.	economic growth.	OAN.	
		5	5 "	5	Positive effects may
	Positive effects may	Positive effects may	Positive effects may	Positive effects may	be reduced if not
	be reduced if not	supported by			
	supported by	supported by	supported by	supported by	appropriate
	appropriate	appropriate	appropriate	appropriate	infrastructure, which
	infrastructure, which	infrastructure, which	infrastructure, which	infrastructure, which	in the long term and
	in the long term and	combined with the			
	combined with the	combined with the	combined with the	combined with the	existing housing
	existing housing	existing housing	existing housing	existing housing	

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

SA Objectives	Α			3		3		D	E
	crime and antisocial behaviour.		crime and behaviour.			crime and behaviour.		crime and antisocial behaviour.	
3 To improve	<b>√</b>	X	<b>√</b>	X	<b>✓</b>	X	/	X	XX
accessibility for everyone to health, education, recreation, cultural, and community facilities and services.	The location housing is result is option. housing devented may result if for additional services. For may be available additional services from CIL.  Mitigation Ensure house located with access to a were possible Ensure funcied additional serviced.	relevant to Additional velopment in demand al unding illable for ervices asing is in good menities, oly. ding for	this option.	relevant to Additional evelopment in demand hal funding ailable for services using is h good amenities, bly. ding for	_	relevant to Additional evelopment in demand hal funding ailable for services using is h good amenities, bly. ding for	The location housing is this option housing de	relevant to . Additional evelopment in demand nal funding ailable for services using is the good amenities, ably. adding for	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.  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.  Mitigation It may not be possible to mitigate negative effects.
	Cumulative	e effects	Cumulativ	e effects	Cumulativ	e effects	Cumulativ	e effects	Cumulative effects

SA Objectives	Α	В	С	D	E
ON Objectives	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.	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.	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.	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.	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.
4 To maintain and	✓	✓	✓	✓	XX
improve people's health, well-being, and community cohesion and support voluntary, community, and faith groups.	The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.  Enhancements	The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.  Enhancements	The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.  Enhancements	The location of housing is relevant to this option, however ensuring sufficient housing and affordable housing will have a positive effect.  Enhancements	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

		E
located with good access to amenities access to amenities accession and supports social and supports socia	insure housing is ocated with good ccess to amenities nd supports social ohesion.	not be economically viable and could result in funding for necessary infrastructure being reduced, resulting in an overall negative impact.  Mitigation It may not be
ffects Cumulative effects Cu	Cumulative effects	possible to mitigate the negative effects.  Cumulative effects
ng is If future housing is located in appropriate locations with good access to amenities access to amenities and supports social cohesion, the coocats cumulative impacts	future housing is ocated in appropriate ocations with good ccess to amenities nd supports social	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.

SA Objectives	Α	В	С	D	E
5 To reduce harm to	? x	? X	? X	? X	X
the environment by	Any additional	Any additional	Any additional	Any additional	Any additional
seeking to minimise	housing on top of the	housing on top of the	housing on top of the	housing on top of the	housing on top of the
pollution of all kinds	Local Plan 2011 may	Local Plan 2011 may	Local Plan 2011 may	Local Plan 2011 may	Local Plan 2011 may
especially water, air,	have a negative	have a negative	have a negative	have a negative	have a negative
soil and noise	effect.	effect.	effect.	effect. This option is	effect. This option is
pollution.				likely to be more	likely to have more
	Providing less	Providing less	This option is likely to	negative compared to	significant negative
	housing is likely to	housing is likely to	be more negative	options A, B and C.	effect compared to
	result in less impact.	result in less impact.	when compared to		the other four
	lo the about to me	In the allegations	option A, effects will	In the short term	options.
	In the short term	In the short term	be similar to Option	noise pollution may	ling the cook and taking
	noise pollution may	noise pollution may	В.	increase during the	In the short term
	increase during the	increase during the	Drovidina loop	construction phase.	noise pollution may
	construction phase.	construction phase.	Providing less housing is likely to	Thoro is likely to be	increase during the
	There is likely to be	There is likely to be	result in less impact,	There is likely to be an increase in car	construction phase.
	an increase in car	an increase in car	when compared to	borne traffic locally.	There is likely to be
	borne traffic locally.	borne traffic locally.	Options D and E.	borne traine locally.	an increase in car
	Any reduction in	Any reduction in	Options B and L.	Any reduction in	borne traffic locally.
	greenfield land may	greenfield land may	In the short term	greenfield land may	Bonne traine lecany.
	result in pollution	result in pollution	noise pollution may	result in pollution	This option may
	from surface run-off.	from surface run-off.	increase during the	from surface run-off.	result in a larger
	Mitigation:	Mitigation:	construction phase.	Mitigation:	reduction in
	Ensure phasing of	Ensure phasing of	'	Ensure phasing of	greenfield land may
	development occurs	development occurs	There is likely to be	development occurs	result in pollution
	to reduce noise	to reduce noise	an increase in car	to reduce noise	from surface run-off.
	impacts.	impacts.	borne traffic locally.	impacts.	
			Any reduction in		Mitigation:
	Encourage the use of	Encourage the use of	greenfield land may	Encourage the use of	Ensure phasing of
	permeable surfaces	permeable surfaces	result in pollution	permeable surfaces	development occurs
	and SUDS.	and SUDS.	from surface run-off.	and SUDS.	to reduce noise
			Mitigation:		impacts.

SA Objectives	Α	В	С	D	E
	Consider sustainable transport accessibility when deciding locations for new housing.	Consider sustainable transport accessibility when deciding locations for new housing.	Ensure phasing of development occurs to reduce noise impacts.  Encourage the use of permeable surfaces and SUDS.  Consider sustainable transport accessibility when deciding locations for new housing.	Consider sustainable transport accessibility when deciding locations for new housing.	Encourage the use of permeable surfaces and SUDS.  Consider sustainable transport accessibility when deciding locations for new housing.
	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects 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.
					This option could impact a wider area if mitigation cannot be implemented for example air pollution may increase and the

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

SA Objectives	Α	В	С	D	E
	This should include,	This should include,	This should include,	transport is required.	reduced, resulting in
	cycle ways, linking to	cycle ways, linking to	cycle ways, linking to	This should include,	an overall negative
	green infrastructure.	green infrastructure.	green infrastructure.	cycle ways, linking to	impact.
				green infrastructure.	
	New housing should	New housing should	New housing should	N	Mitigation
	be located in accessible locations.	be located in accessible locations.	be located in accessible locations.	New housing should be located in	It may not be
	accessible locations.	accessible locations.	accessible locations.	accessible locations.	possible to mitigate the full impact of the
				accessible locations.	negative effects,
					although the below
					should be
					considered.
					Ensure good urban
					design principles are
					implemented to
					create good access
					to towns and villages.
					Work with
					infrastructure
					providers to identify were an increase in
					sustainable modes of
					transport is required.
					This should include,
					cycle ways, linking to
					green infrastructure.
					New housing should
					be located in
					accessible locations.

SA Objectives	Α	В	С	D	E
	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects If mitigation is implemented through-out the development and operational phases there should be limited negative effects.	Cumulative effects 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	? x	? X	? x	? X	? xx
enhance biodiversity	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.  There is likely to be an increase in car borne traffic locally.  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.  There is likely to be an increase in car borne traffic locally.  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.  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.	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.  There is likely to be an increase in car borne traffic locally.  This option is likely to result in further reduction of greenfield land may

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

SA Objectives	Α	В	С	D	E
SA Objectives	infrastructure, wildlife areas, buffer zones etc.  Mitigation: Incorporate green infrastructure into the design and biodiversity enhancement schemes. Ensure the Habitats Regulation Assessment Screening is undertaken. Carry out a BAP phase 1 survey.	infrastructure, wildlife areas, buffer zones etc.  Mitigation: Incorporate green infrastructure into the design and biodiversity enhancement schemes. Ensure the Habitats Regulation Assessment Screening is undertaken. Carry out a BAP phase 1 survey.	Additional development could assist with funding for biodiversity enhancement for example: green infrastructure, wildlife areas, buffer zones etc.  Mitigation: Incorporate green infrastructure into the design and biodiversity enhancement schemes. Ensure the Habitats Regulation Assessment Screening is undertaken. Carry out a BAP phase 1 survey.	Mitigation: Incorporate green infrastructure into the design and biodiversity enhancement schemes. Ensure the Habitats Regulation Assessment Screening is undertaken. Carry out a BAP phase 1 survey.	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.  Mitigation: In may not be possible to fully mitigate the effects with this option, although the below should be considered.  Incorporate green infrastructure into the design and biodiversity enhancement schemes. Ensure the Habitats Regulation Assessment Screening is undertaken.

SA Objectives	Α	В	С	D	E
					Carry out a BAP phase 1 survey.
	Cumulative effects The implementation of mitigation though- out the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.	Cumulative effects The implementation of mitigation though- out the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.	Cumulative effects The implementation of mitigation though- out the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.	Cumulative effects The implementation of mitigation though- out the development phases, would have positive impacts, biodiversity would be identified and enhanced in the long term.	Cumulative effects 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.

SA Objectives	Α	В	С	D	E
					The negative effects of this option could impact a wider area in the future.
8 To improve	? x	? x	? x	? x	XX
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.	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.  Mitigation Seek to make the most effective use of any greenfield land. Ensure a high quality of design to minimise impact on the landscape.	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.  Mitigation Seek to make the most effective use of any greenfield land. Ensure a high quality of design to minimise impact on the landscape.	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.  Mitigation Seek to make the most effective use of	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.  Mitigation 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.	This option provides housing to meet the full affordable need, therefore the loss of greenfield land is inevitable, due to the numbers fo new housing with this option development within the AONB may be necessary it there are no other suitable sites available.  This option may result in significant negative effects.  Mitigation It may not be possible to fully minimise the negative effects.

SA Objectives	Α			В		С		D		E
	Avoid developn locations that w impact the AON	vill	Avoid dev locations timpact the		of design to impact on landscape	high quality to minimise the e. elopment in that will				
	Cumulative eff The implements of mitigation will reduce negative impacts.	ation II	Cumulating The imple of mitigation reduce neighbors.	on will	Cumulative The imple of mitigation reduce ne impacts.	on will	Cumulative The implest of mitigation reduce new impacts.	mentation on will	If mitigation implement there are landscape and possi extensive	ted, then likely to be e impacts ble loss of land, soil I be ind ity to minerals
9 To conserve and	?	X	?	X	?	X	?	X	?	XX
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.	It is the distribution and location of housing that will determine the interpretation of the properties of the house will have less in on the historic environment including	new II mpact ctive,	upon this however leadditional	on of new nat will the impact objective, ess housing ess impact toric	upon this of however leadditional	on of new nat will the impact objective, ess housing ess impact toric	It is the distand location housing the determine upon this control however leadditional will have lead the histen environme including	on of new at will the impact objective, ess housing ess impact oric	upon this This optio housing to full afforda therefore on the dis	on of new nat will the impact objective.  In provides o meet the able need, the impacts

SA Objectives	Α	В	С	D	E
	archaeological resources.	archaeological resources.	archaeological resources.	archaeological resources.	including archaeological resources could
	Mitigation Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological deskbased assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.	Mitigation Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological deskbased assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.	Mitigation Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological deskbased assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.	Mitigation Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological deskbased assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.	result in significant negative effects, and it may not be possible to locate housing in appropriate locations.  Mitigation It may not be possible to fully minimise the negative effects, although the below should be considered.
					Ensure no impact on the conservation area and avoid loss of local distinctiveness. A predetermination archaeological deskbased assessment and evaluation should be undertaken to establish a suitable and appropriate level of mitigation.

SA Objectives	Α	В	С	D	E
	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects If mitigation is not implemented, negative impacts on the historic environment including archaeological resources is inevitable in the long term
10 To seek to	<b>✓</b>	✓	✓	✓	?
address the causes and effects of climate change by: a) securing sustainable building practices which conserve energy, water resources and materials; b) protecting, enhancing and improving our water supply where possible c) maximizing the proportion of energy generated from	New development offers the opportunity to implement sustainable design principles.  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.	New development offers the opportunity to implement sustainable design principles.  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.	New development offers the opportunity to implement sustainable design principles.  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.	New development offers the opportunity to implement sustainable design principles.  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.	New development offers the opportunity to implement sustainable design principles.  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.
renewable sources; and d) ensuring that the design and location of new development	Enhancement: Include SUDS in all designs.	Enhancement: Include SUDS in all designs.	Enhancement: Include SUDS in all designs.	Enhancement: Encourage green infrastructure and biodiversity enhancement	This option does raise a number of uncertainties, housing may need to be located is less

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

SA Objectives	Α	В	С	D	Е
					term negative effects associated with climate change adaptation is inevitable.
11 To reduce the	0	0	0	0	0
risk of, and damage from, flooding.	There are a number of flood zones through-out the district, although land is available outside of the flood zones.	There are a number of flood zones through-out the district, although land is available outside of the flood zones.	There are a number of flood zones through-out the district, although land is available outside of the flood zones.	There are a number of flood zones through-out the district, although land is available outside of the flood zones.	There are a number of flood zones through-out the district, although land is available outside of the flood zones.
	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.	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.	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.	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.	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.
	Enhancement: Identification of development sites should include constraints with regard to all types of flooding.	Enhancement: Identification of development sites should include constraints with regard to all types of flooding.	Enhancement: Identification of development sites should include constraints with regard to all types of flooding.	Enhancement: Identification of development sites should include constraints with regard to all types of flooding.	Enhancement: Identification of development sites should include constraints with regard to all types of flooding.

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

SA Objectives	Α	В	С	D	E
	regulatory requirement in England, SWMPs are still considered to be good practice.  Cumulative effects The implementation of mitigation will reduce negative impacts.	regulatory requirement in England, SWMPs are still considered to be good practice.  Cumulative effects The implementation of mitigation will reduce negative impacts.	regulatory requirement in England, SWMPs are still considered to be good practice.  Cumulative effects The implementation of mitigation will reduce negative impacts.	regulatory requirement in England, SWMPs are still considered to be good practice.  Cumulative effects The implementation of mitigation will reduce negative impacts.	regulatory requirement in England, SWMPs are still considered to be good practice.  Cumulative effects The implementation of mitigation will reduce negative impacts.
13 To assist in the	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>
development of: a) high and stable levels of employment and facilitating inward investment; b) a strong, innovative and knowledge-based economy that deliver high-value-added, sustainable, low- impact activities; c) small firms, particularly those	Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.  Enhancement: Ensure affordable housing is available.	Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.  Enhancement: Ensure affordable housing is available. Ensure accessibly to employment sites is available.	Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.  Enhancement: Ensure affordable housing is available. Ensure accessibly to employment sites is available.	Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.  Enhancement: Ensure affordable housing is available. Ensure new housing is located in areas accessibly to employment sites.	Availability of more housing (including affordable housing) could attract workers to the district, as well as helping with staff retention for existing employers.  Enhancement: Ensure affordable housing is available. Ensure new housing is located in areas accessibly to employment sites.

SA Objectives	Α	В	С	D	E
that maintain and enhance the rural economy; and d) thriving economies in market towns and villages	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts	Cumulative effects The implementation of mitigation will reduce negative impacts.	Cumulative effects 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: a) attracting new high value businesses; b) supporting innovation and enterprise; c) delivering new	All options would help support the delivery of new homes and could help to fund infrastructure.  Mitigation: Work with infrastructure providers to ensure delivery.  Cumulative effects	All options would help support the delivery of new homes and could help to fund infrastructure.  Mitigation: Work with infrastructure providers to ensure delivery.  Cumulative effects	All options would help support the delivery of new homes and could help to fund infrastructure.  Mitigation: Work with infrastructure providers to ensure delivery.	All options would help support the delivery of new homes and could help to fund infrastructure.  Mitigation: Work with infrastructure providers to ensure delivery.  Cumulative effects	All options would help support the delivery of new homes and could help to fund infrastructure.  Mitigation: Work with infrastructure providers to ensure delivery.  Cumulative effects
jobs; d) supporting and accelerating the delivery of new homes; and e) developing and improving infrastructure across the Science Vale area.	The implementation of mitigation will reduce negative impacts.	The implementation of mitigation will reduce negative impacts.	Cumulative effects The implementation of mitigation will reduce negative impacts.	The implementation of mitigation will reduce negative impacts.	The implementation of mitigation will reduce negative impacts.
	0	0	0	0	0

SA Objectives	Α	В	С	D	E
15 To assist in the	No direct impact				
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.					
40 T					
16 To encourage	0	0	0	0	0
the development of	No direct impact				
a buoyant,					
sustainable tourism sector.					
17 Support	11	11	11	11	11
community					
involvement in	The Council has				
decisions affecting	involved the				
them and enable	community in the				
communities to	decision making				
provide local	process.	process.	process.	process.	process.
services and	Mitigation: Continue to work with				
solutions.					
ociationio.	the local community.				