

# Knowsley Core Strategy: Green Belt Broad Locations for Development

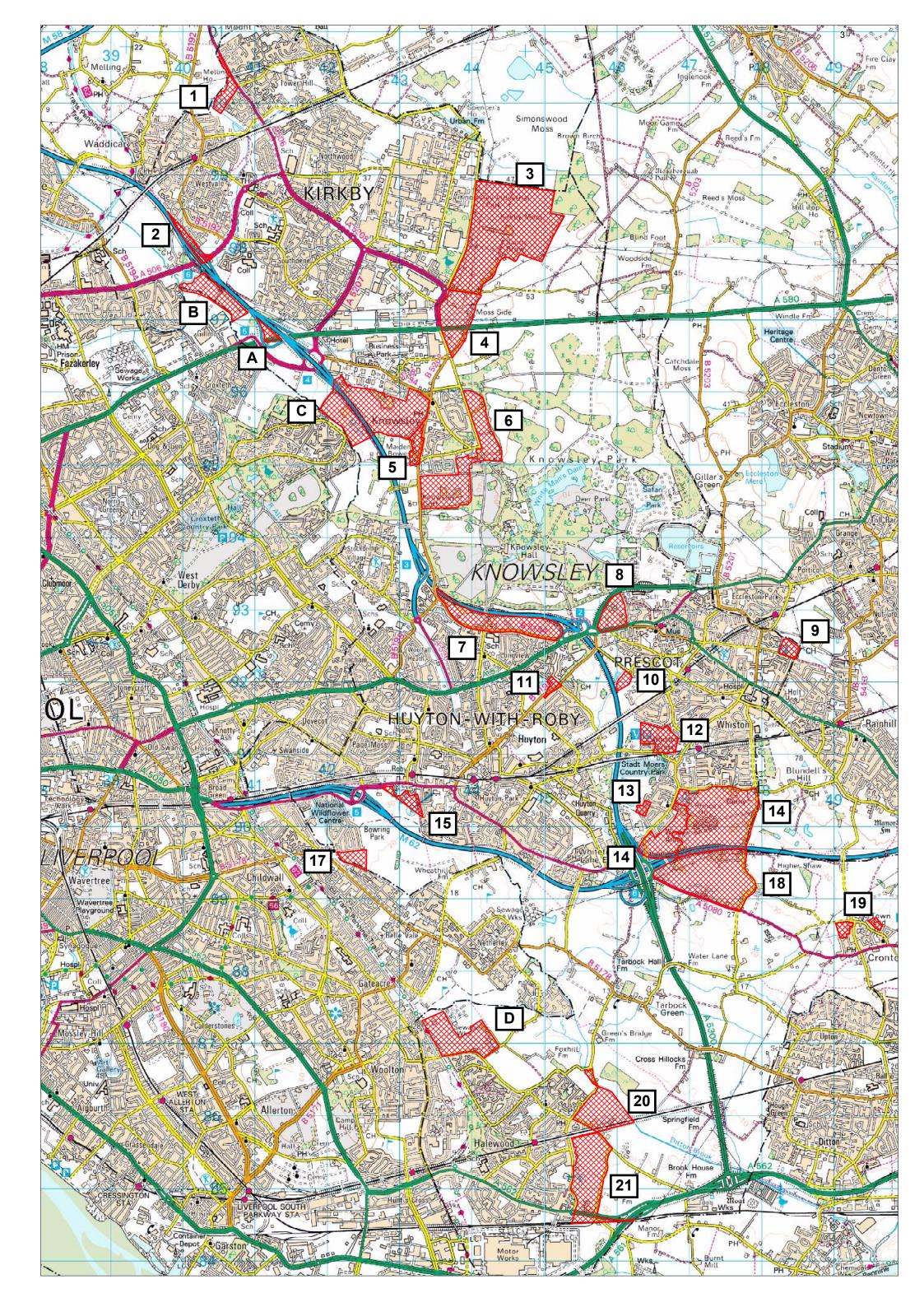
# Sustainability Appraisal Appendices Report

June 2012



#### Appendix 1

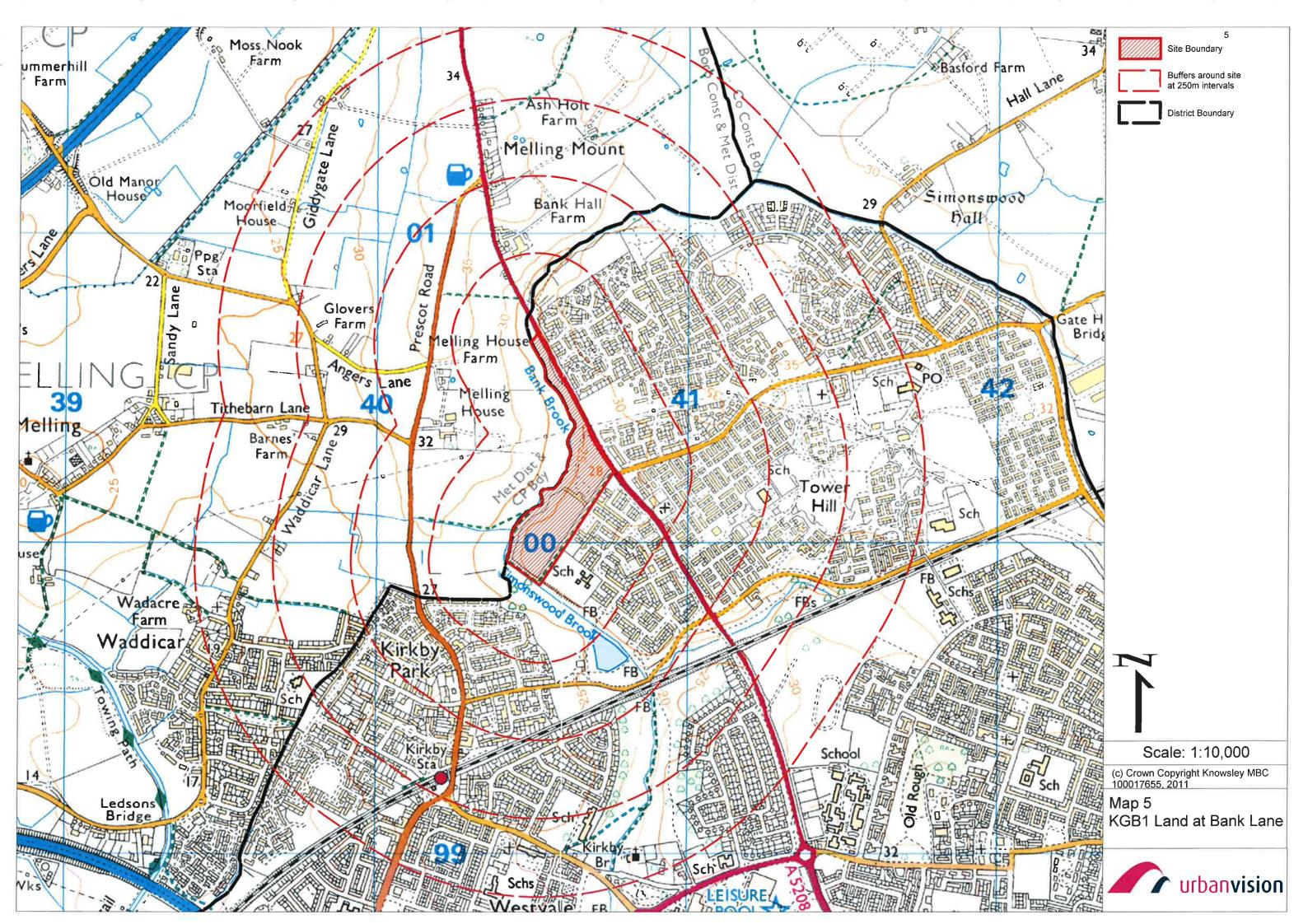
Borough-wide Map of the Broad Locations in the Green Belt being considered for Development

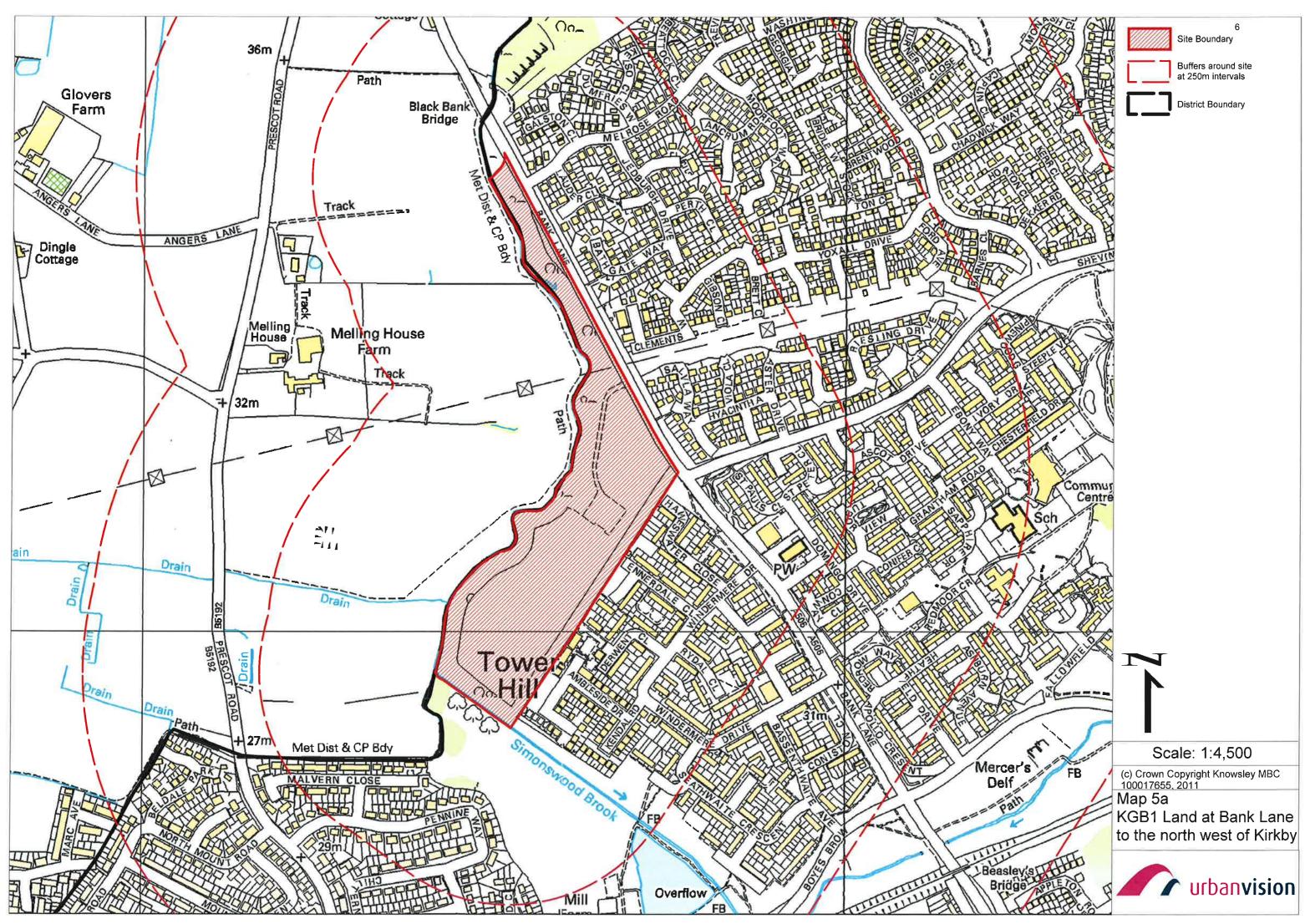


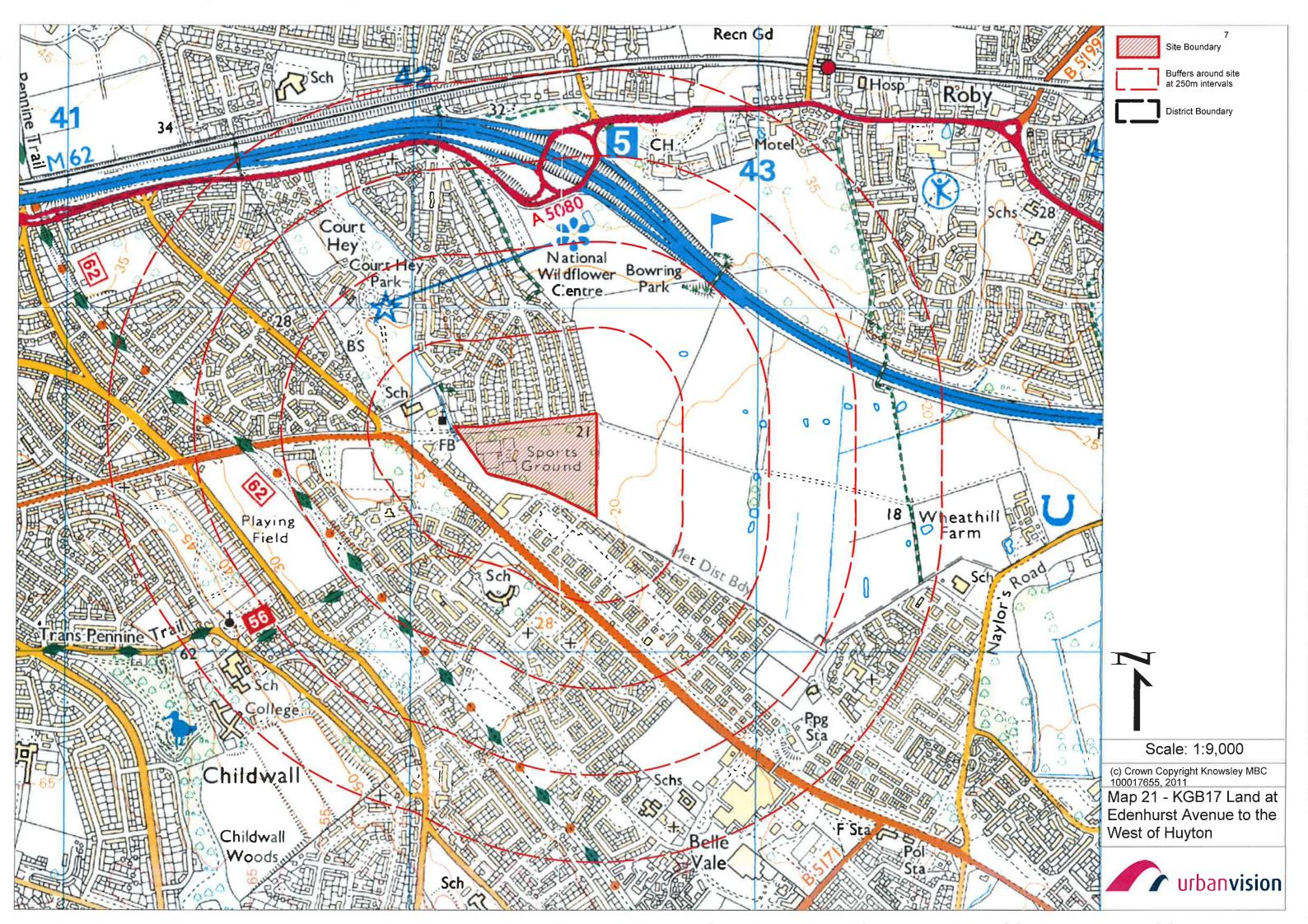
Appendix 2

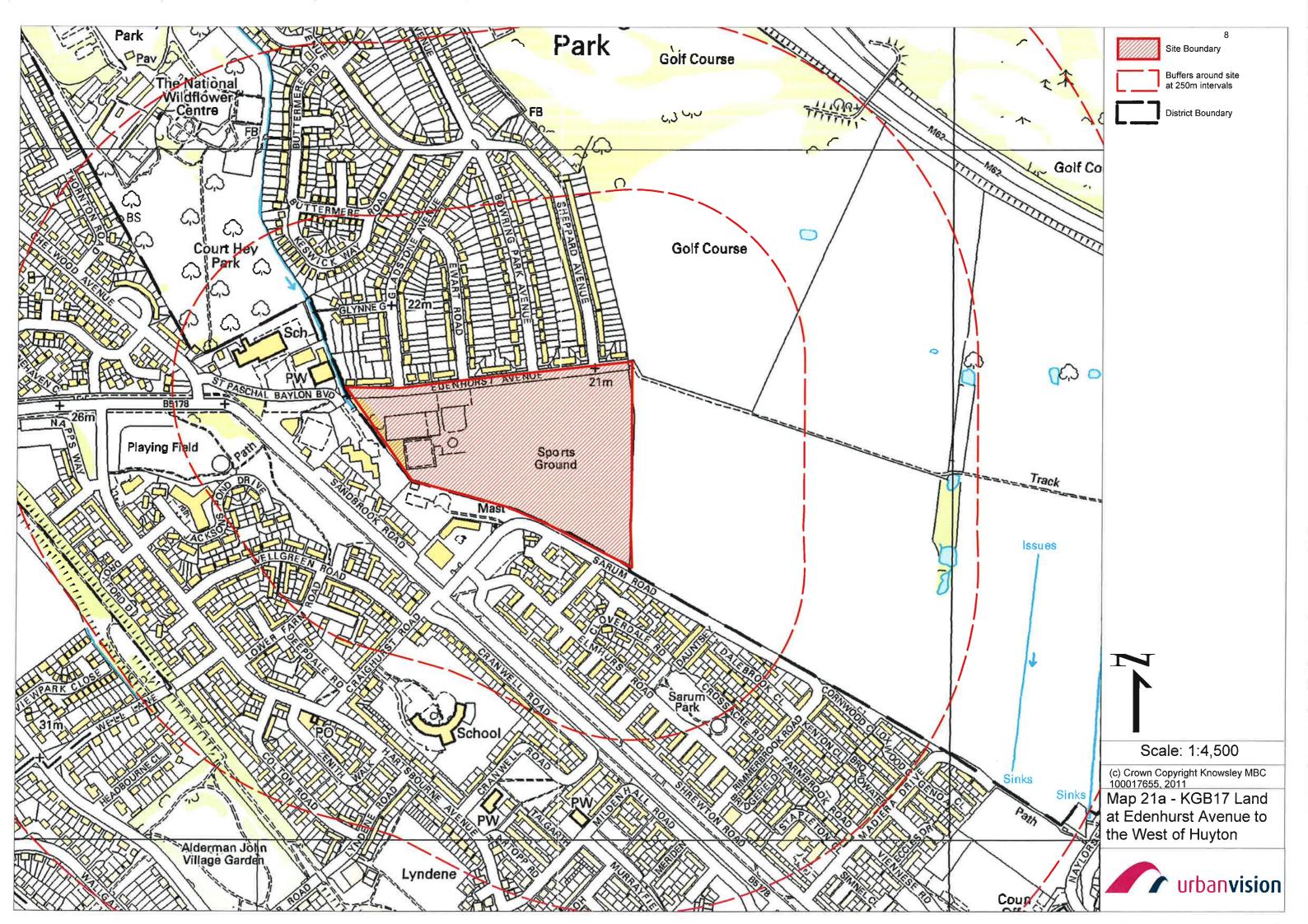
4

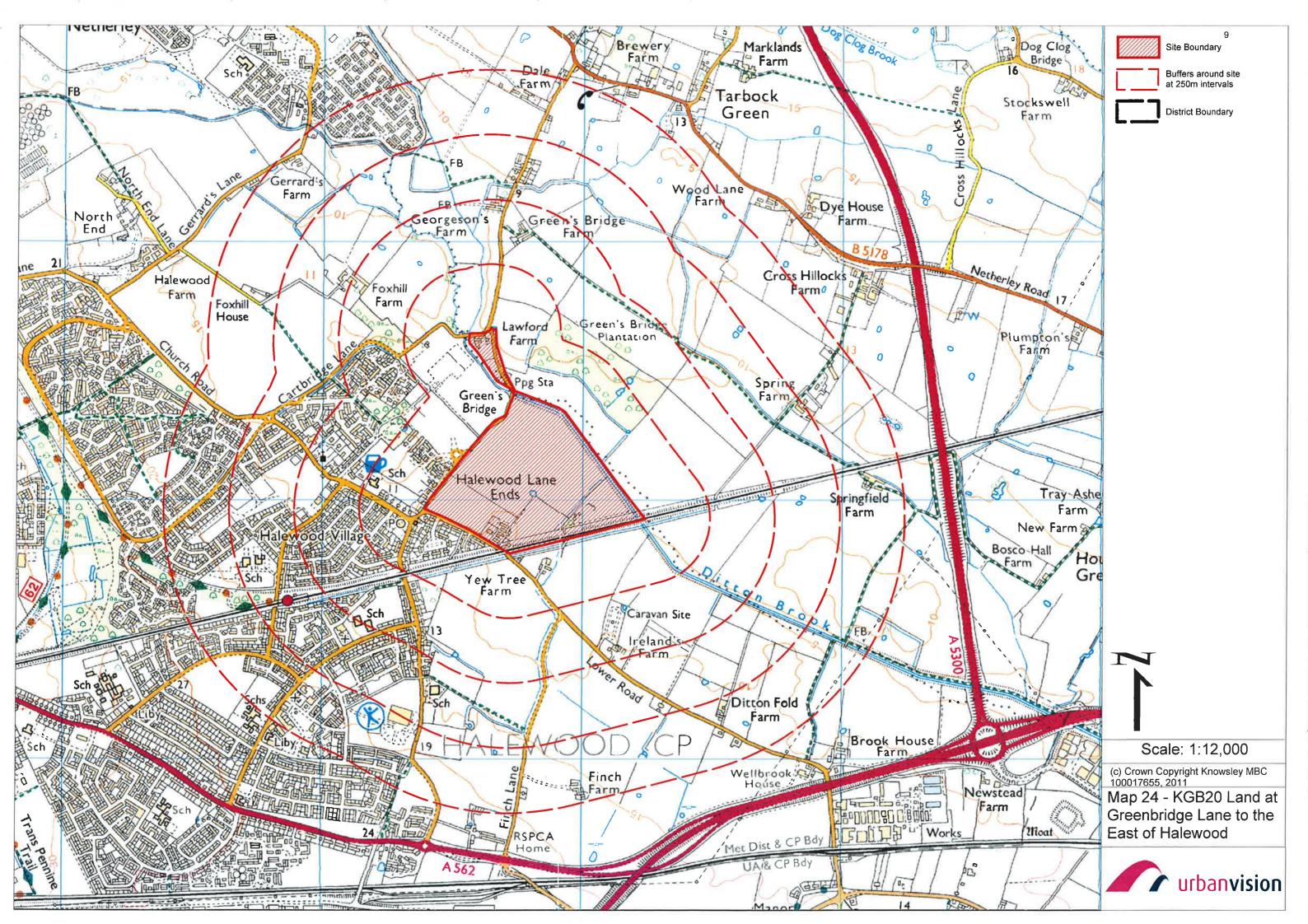
Tier One Location Maps

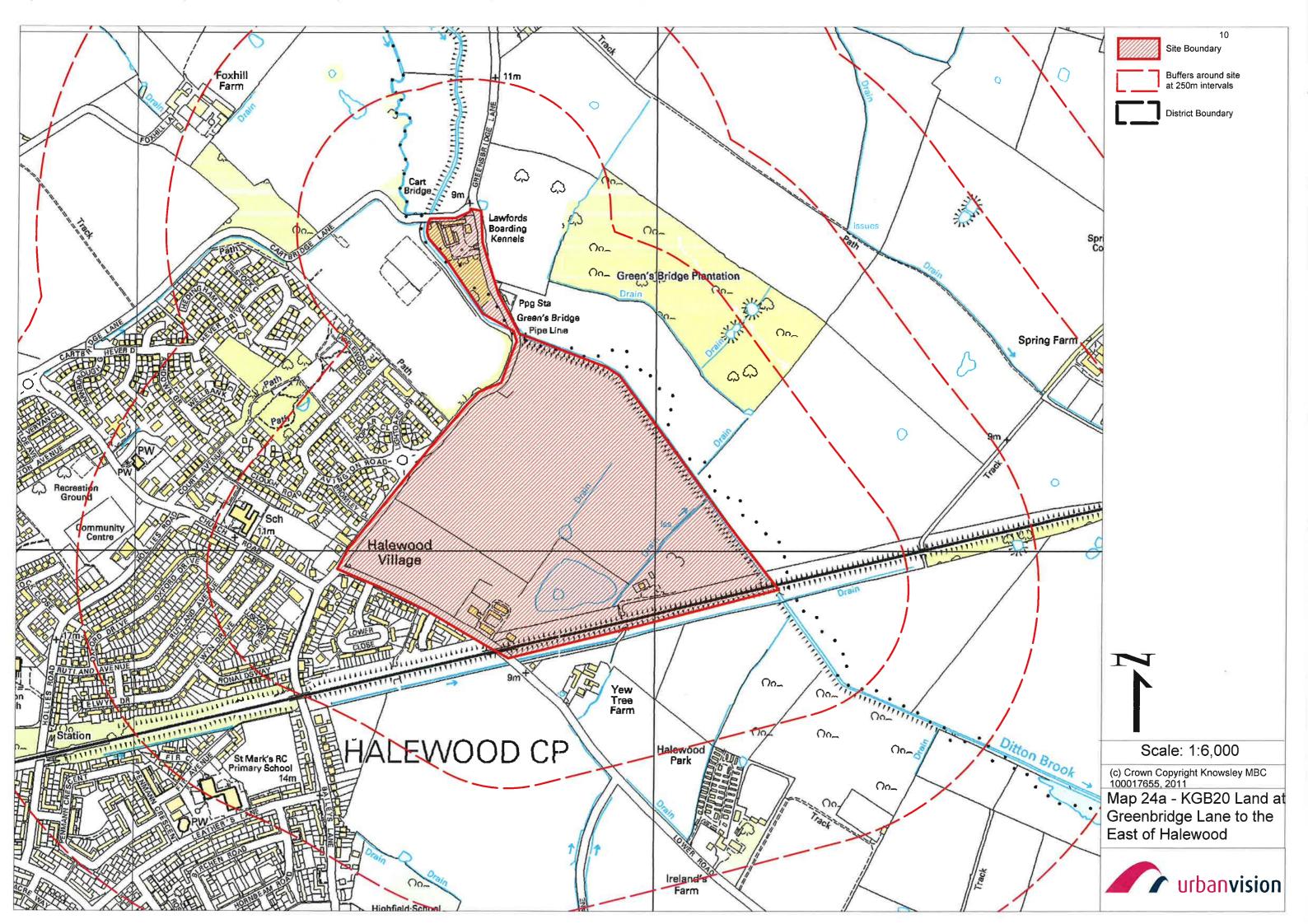


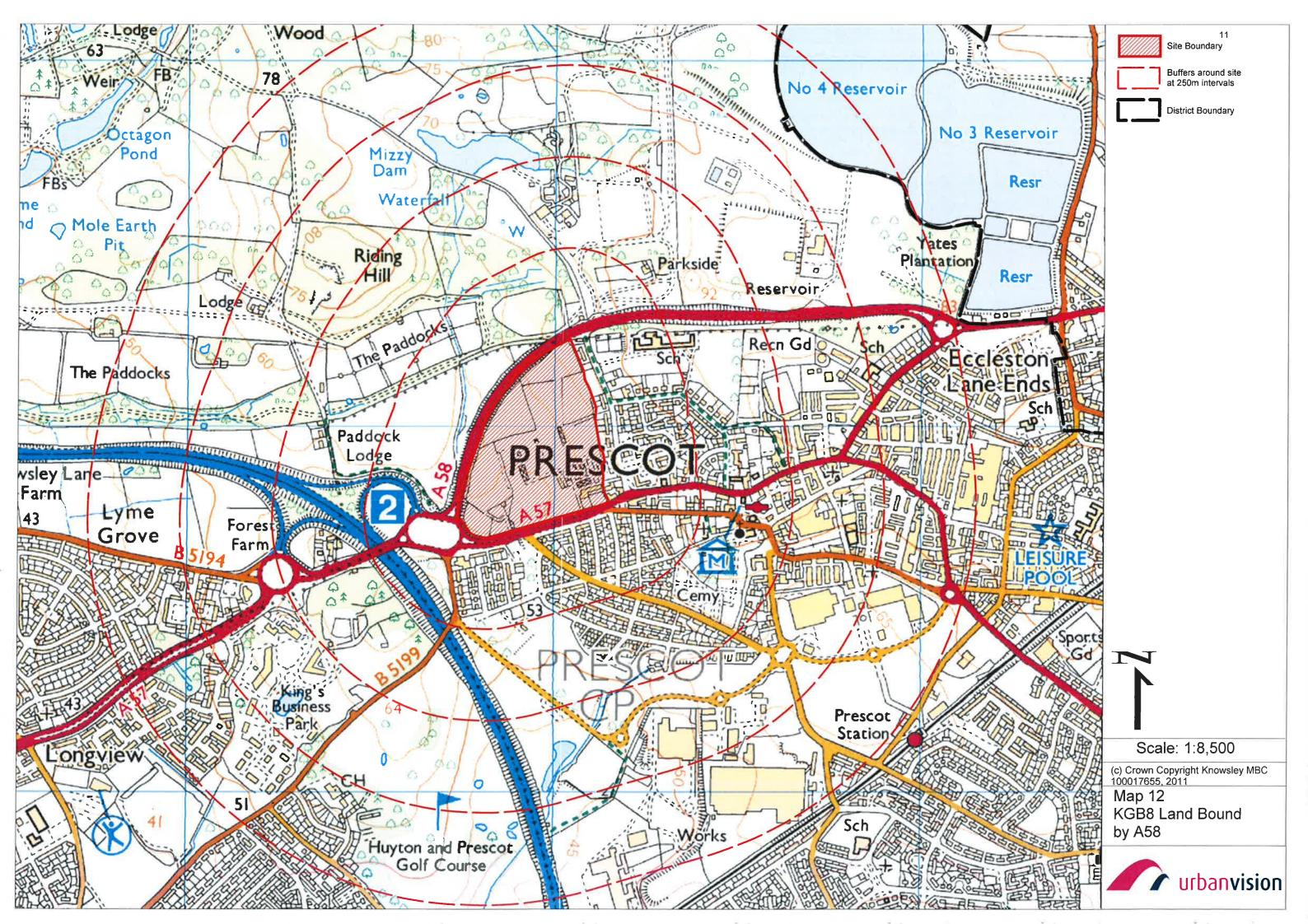


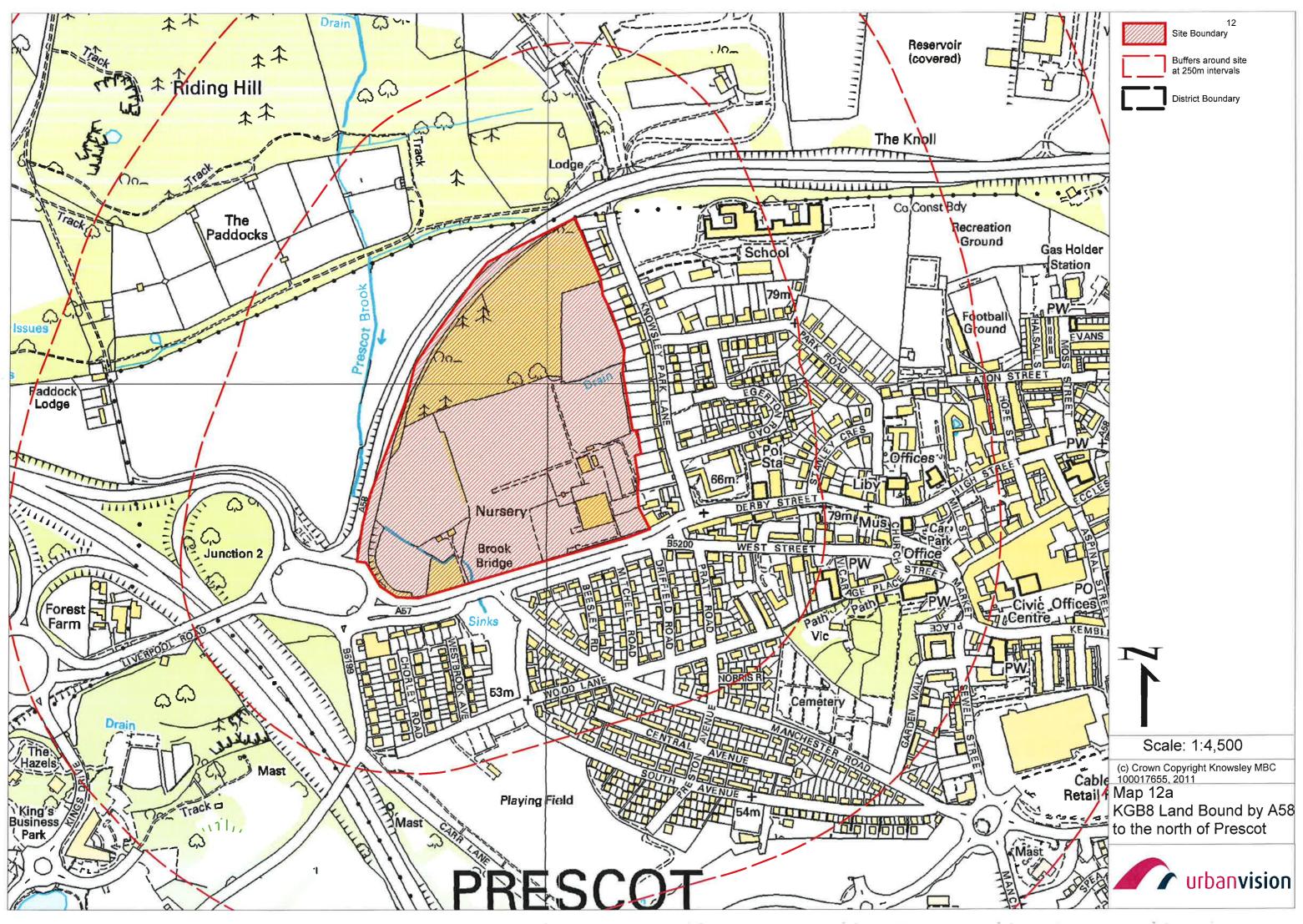


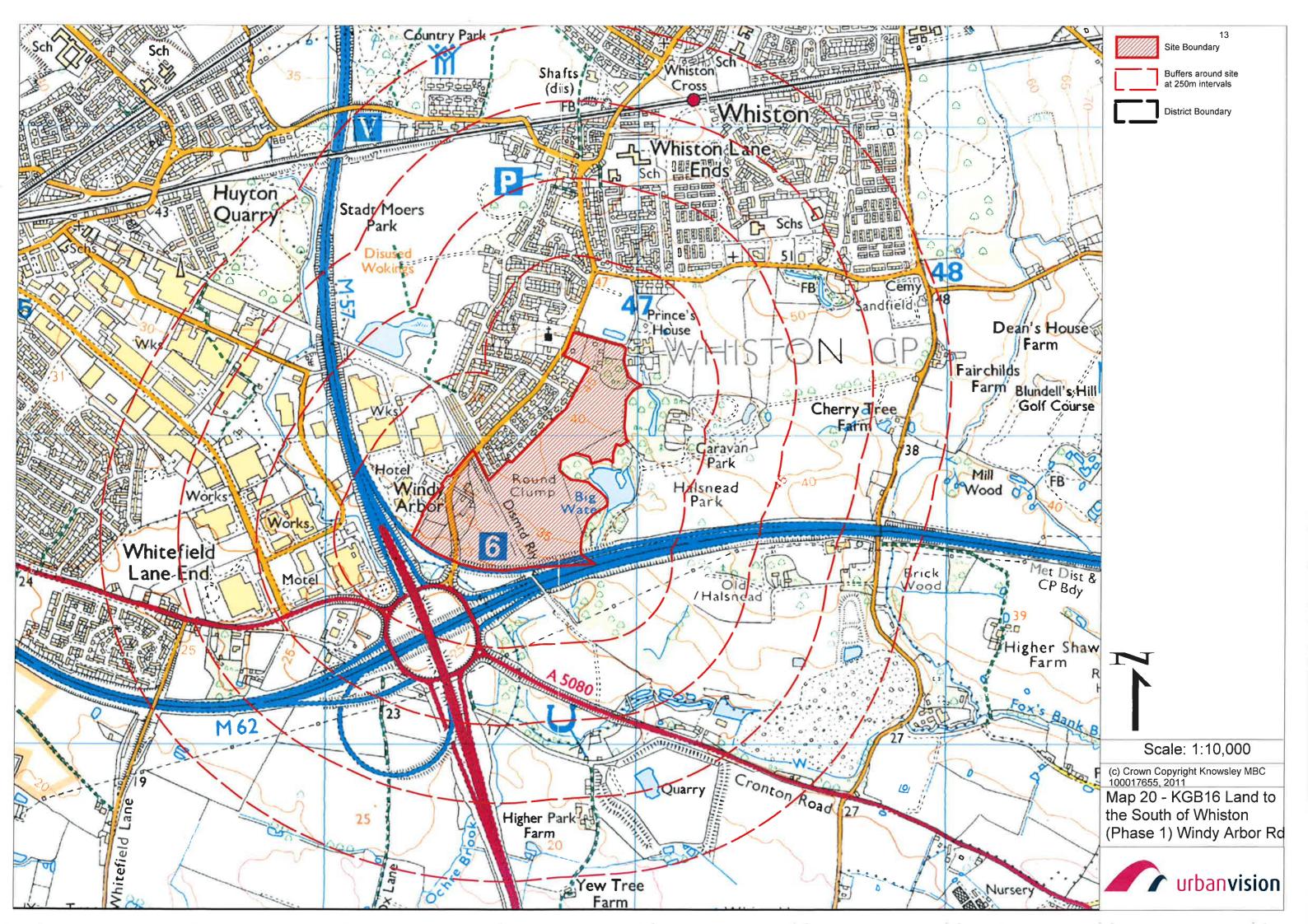


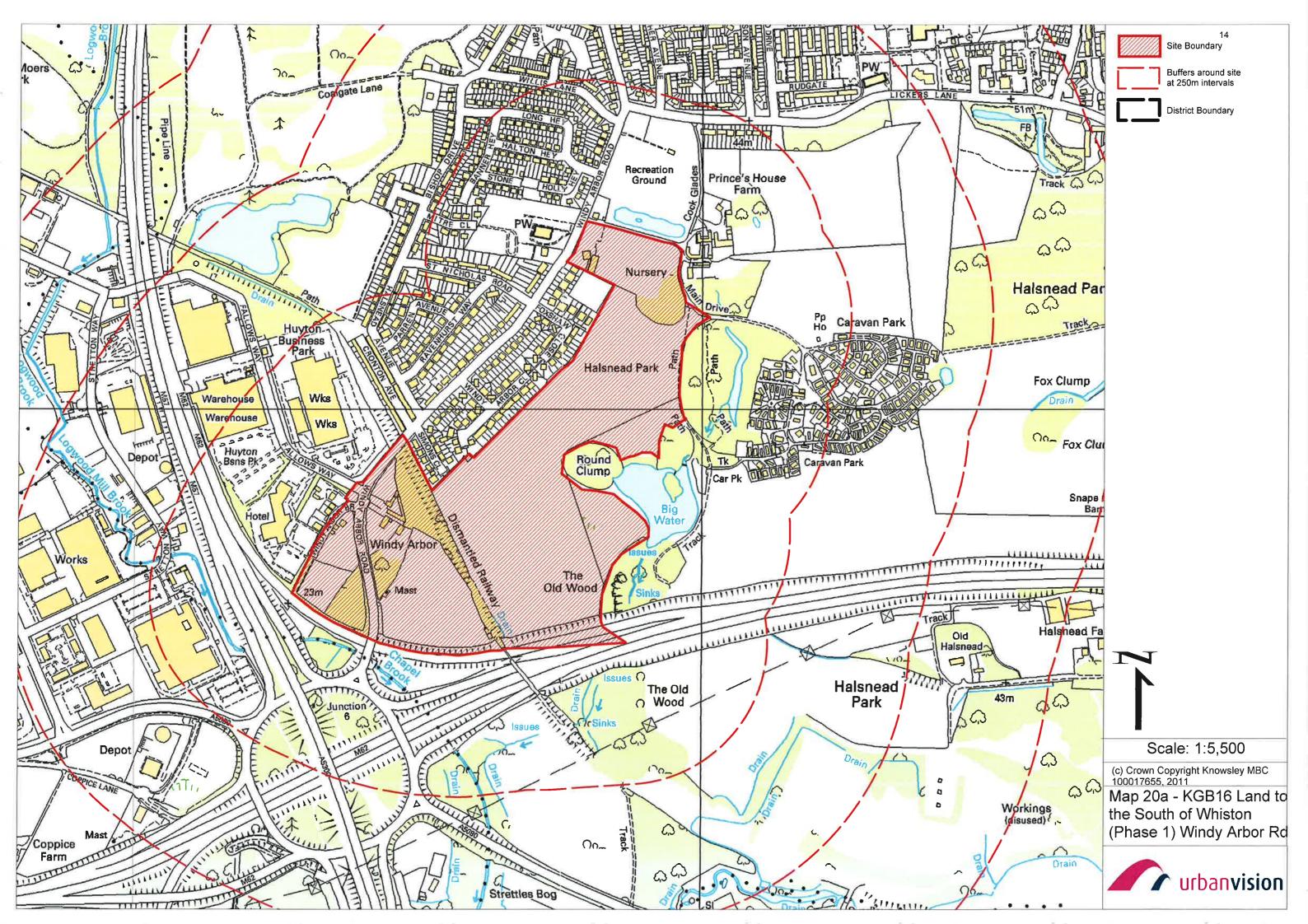


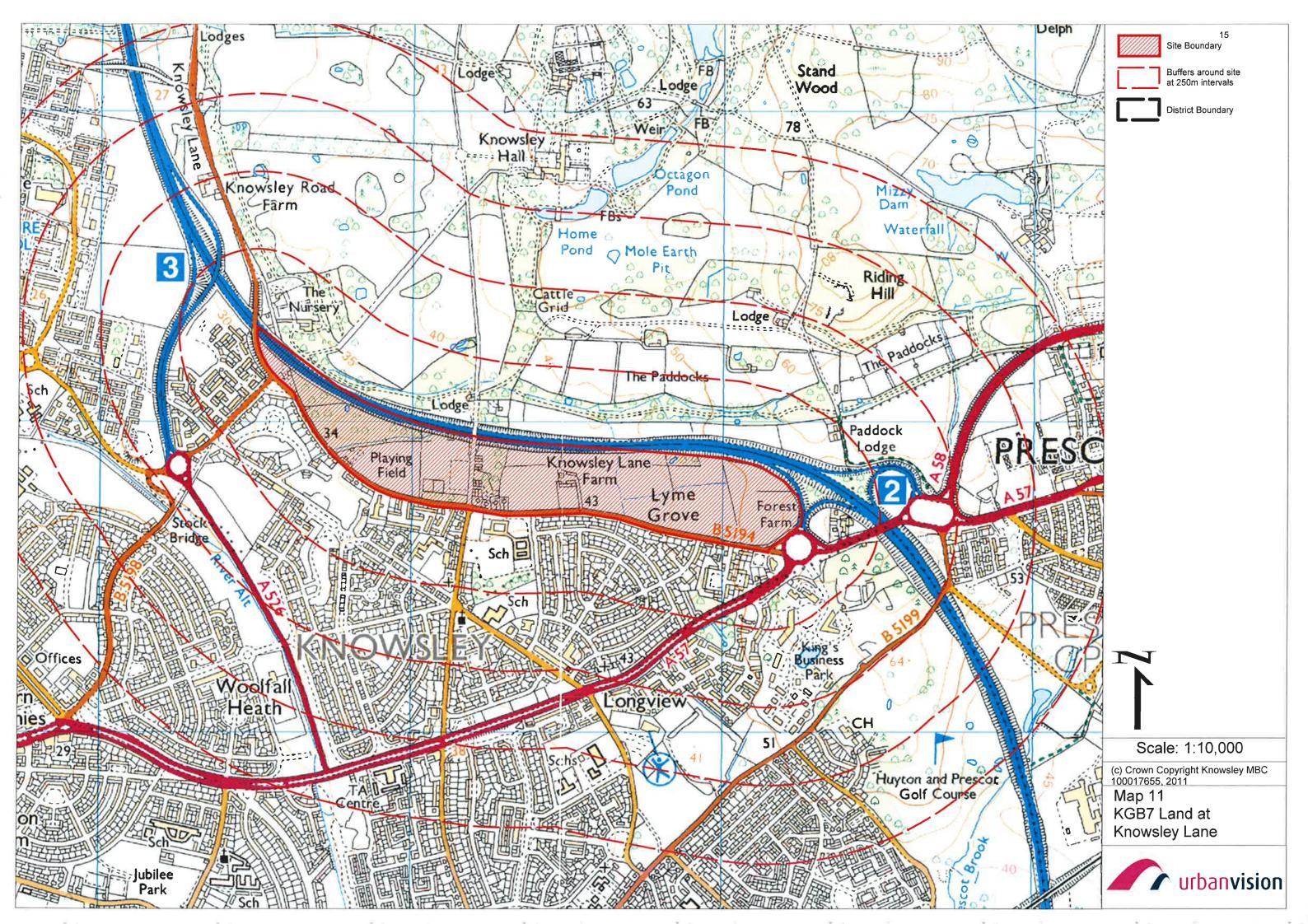


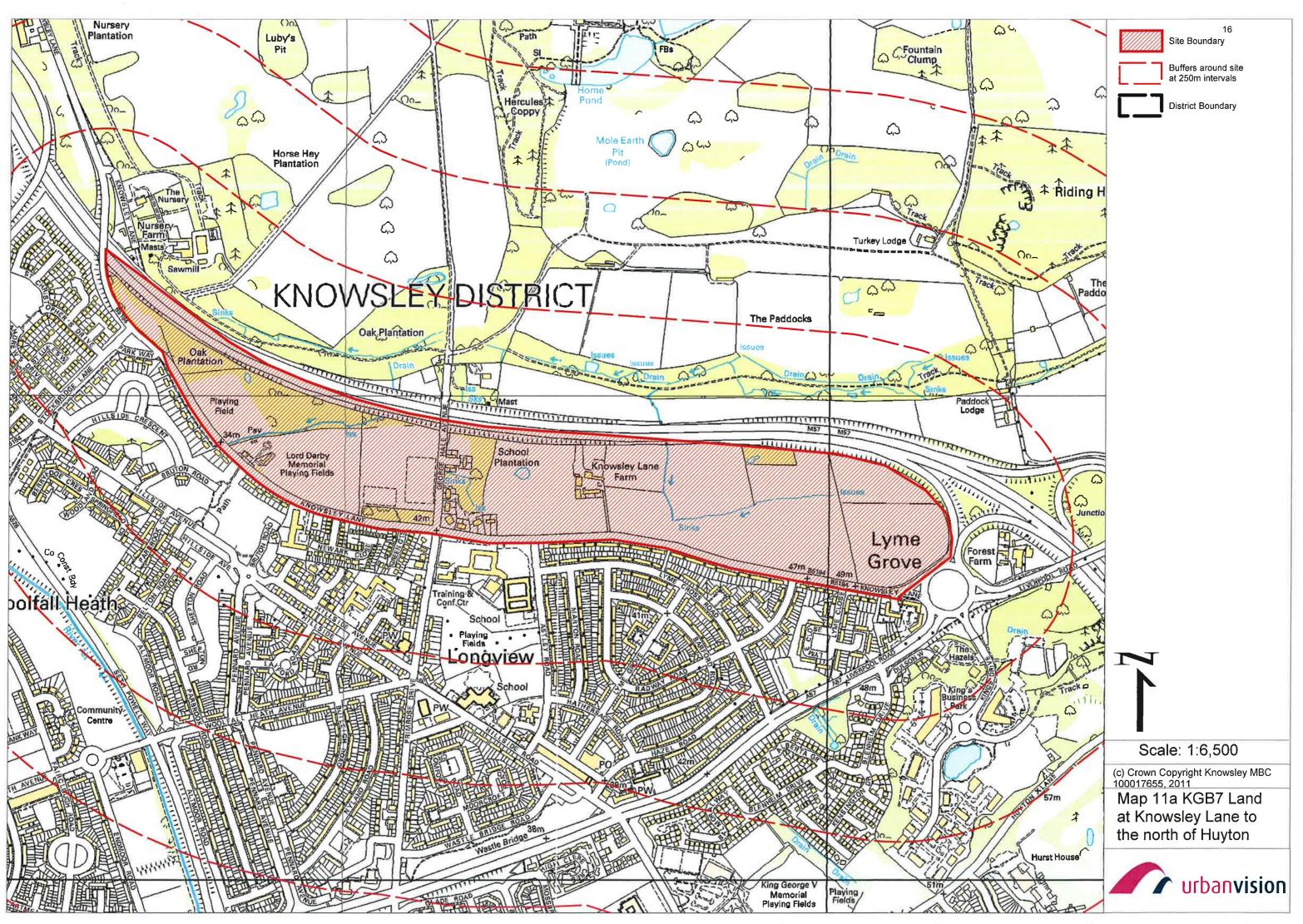












#### Appendix 3

### Sustainability Appraisal of the Tier One Locations

KGB 1 - Land at Bank Lan	e, to the	north we	st of Kirl	<b>k</b> by							
	-	<b>Fimescale</b>	)			Nature of Effe	ect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Social					-	<u>*</u>	•	•			
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Medium	Local	Long term	Cumulative impact with other development on levels of deprivation and perceptions of the area.	Ensure proposals support the aspirations for the regeneration of Tower Hill.			
	The site is the most de investment	<u>Comments:</u> The site is located in close proximity to the Tower Hill Action Area and is within North Kirkby which is identified in the Sustainable Community Strategy as being one of the most deprived parts of the Borough. The proposals are likely to generate some employment opportunities in the construction sector and could stimulate further investment in the area. The proposals therefore have the potential to have some positive impact on the objective and the sub-objective of improving rates of economic activity. However, the extent to which the proposals will impact on this objective is limited by virtue of the scale of the proposals.									
S2. To improve local	+	+	+	Medium	Local	Long term					
accessibility of goods, services and amenities and reduce community severance.	in a location of Kirkby ra Community therefore le choice of m proposals h	als are unlik n that is imm ilway statior Resource ( ead to the pro- neans of tran- nave the pote	ediately adja . There are a Centre, sport/ ovision of ho sport. The p ential to have	acent to the A506 also a range of lo (recreational area using in a locatior roposals would al a positive impac	Bank Lane, wh cal facilities and s, a primary sc n which would p so make a con t on the objecti	nich provides a regu d amenities that are hool within 600m of provide the future oc tribution to the conti ve of improving according	lar bus service to Kirkby and Liverpool readily accessible from the site includ the site and a parade of shops on Lov ccupants of the site with easy access to	veswater Way. The proposal would o existing services and facilities by a cilities. It is therefore considered that the			
S3. To improve safety and	0	0	0	Medium	N/A	N/A					
reduce crime, disorder and fear of crime.			nificant effec	cts. Other policies	in the Core St	rategy are likely to e	ensure that all new development is des	igned in a way that reduces			
S4. To support voluntary and	0	0	0	Medium	N/A	N/A					
community networks, assist social inclusion and ensure community involvement in decision making.	Comments Unlikely to	-	nificant effeo	cts.							

KGB 1 - Land at Bank Lan	e, to the	north we	st of Kir	kby				
		Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S5. To improve health and	0	0	0	Low	N/A	N/A		Ensure rights of way are protected.
reduce health inequalities.	<u>Comments:</u> The site falls within North Kirkby which the Sustainable Community Strategy identifies as part of the borough which faces some of the most significant health relate problems. The proposals are unlikely to be of a scale where they would incorporate on-site health facilities, it is however noted that the site is within 500m of a GP and a health centre and within reasonable walking distance of sport/recreational areas and open countryside. The development of the site also has the potential to formalise links to existing public footpaths to the north of the site and, as a result, encourage increased participation in sport/recreation and thereby have some positive impact on health. However, given the scale of the proposals, it is considered that they are unlikely to have any significant impact on the objective.							
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Medium	Local	Long term	Cumulative impact with other developments on securing a more balanced housing market.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.
	Comments: The site has the potential to deliver a range of housing types and tenures. The proposals could thereby have a positive impact on the objective of prov quality housing. The proposals could also have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater which is particularly pertinent in North Kirkby given that the Strategic Housing Market Assessment (2010) established that the area's housing stock is of a high proportion of socially-rented housing relative to the Merseyside, regional and national averages. It is however noted that the relatively limited ca site would reduce the degree of impact on this sub-objective.							
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	he working age po	opulation and c	ould support the co	uction sector. In addition, the developn ntinued viability of existing education a effects on this objective.	nent of this site for residential purposes nd training facilities. However, given
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	0 <u>Comments</u> The site is Area by an	0 500m to the area of mor	0 north west o e modern ho	Medium of North Park Roa busing and it is the	N/A d Conservation erefore unlikely	N/A Area which contain	ns four listed buildings. The site is how would impact on the setting of the thes	

KGB 1 - Land at Bank Lan	e, to the	north we	est of Kirl	kby					
		Timescale	•			Nature of Eff	ect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
Environment	-	-	-	-	-	-	-		
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across	both cal character and buffer on western edge of buffer edge of buffer on western edge of buffer edge of								
Knowsley.	Comments: The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) identifies the site as forming part of a narrow gap between Kirkby and Maghull. Nevertheless, this study concludes that development on the site would not significantly reduce this gap between these two settlements. The presence of Simonswood Brook on the western edge of the site forms a strong, defensible boundary that would reduce the likelihood of further expansion of Kirkby into the Green Belt. The development of the site also has the potential to formalise links to existing public footpaths to the north of the site and, as a result, have a positive impact on the objective of enhancing the accessibility of the countryside. The site's former use as a golf driving range has resulted in parts of the site being previously developed and the site retains areas of hardstanding that appear to be the remnants of former buildings and car parking. It is therefore considered that the development of this part of the site is unlikely to have a significant detrimental impact on this objective. It is however recognised that the western edge of the site contains a band of trees that follow the route of Simonswood Brook. These features make some positive contribution to the local character of the landscape, as such, if the proposals resulted in the loss of these features it could have some adverse impact on the objective. Notwithstanding this, it is considered that the overall impact of the proposals on the objective is likely to be positive due to the								
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	Exclude the LWS and areas of prio								

KGB 1 - Land at Bank Lan	e, to the	north we	est of Kir	kby				
	-	Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	<u>Comments:</u> The site contains identified Priority Habitats (woodland and natural grassland) and is also bound by Simonswood Brook, which is designated as a Local Wildlife (LWS). It is recognised that the identified capacity of the site has been derived from the assumption that the LWS will be excluded from the developable area at unless this is the case, and the other identified mitigation measures are implemented, the proposals could result in the loss of Priority Habitat and place pressure LWS. It is therefore considered that the proposals have the potential to have a negative impact on the objective and its sub-objectives of conserving and enhant the natural environment and improving the delivery of biodiversity targets as shown in the Ecological Framework. It is however acknowledged that in the absendential ecological surveys to establish the potential impact of the proposals on nature conservation value there can only be limited certainty about their impact this objective.							
E3. To adapt to climate change including flood risk.	flooding wil that the ide unless this could have	ley Strategie Il be exacert entified capa part of the s a negative i	bated by clim city of the sit ite is exclude mpact on the	ate change and the has been derived ed from the development of the dev	nis part of the s ed from the ass opable area, ar reducing flood	ite should only be c umption that the poind the other identifie risk. The proposals	of the site to the north and west are wit onsidered for development as part of a rtion of the site within Flood Zones 2 a ed mitigation measures are implemente would also result in the loss of a partia d with climate change.	sequential approach. It is recognised nd 3 will be excluded from the site and

KGB 1 - Land at Bank Lan	KGB 1 - Land at Bank Lane, to the north west of Kirkby											
		Timescale	•			Nature of Eff	ect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change and retain on-site trees or secure adequate replacement planting.				
	Comments:         The construction and operation of this development would inevitably result in some carbon emissions and the proposals could result in the loss of trees which make a contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, the proposals have the potential to have a negative impact on the objective and its sub-objective. It is recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) as a potential location for implementing district heating. It is therefore considered that the proposals are unlikely to deliver a reduction in carbon emissions beyond those required by Local Plan policies.         The site is however immediately adjacent to the A506 Bank Lane which provides a regular bus service to Kirkby and Liverpool. It is also within the 800m buffer zone of Kirkby railway station and there are a range of local facilities and amenities that are readily accessible from the site including the Tower Hill Primary Care & Community Resource Centre, sport/recreational areas, a primary school within 600m of the site and a parade of shops on Loweswater Way. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use											
	it is conside	ered that it is	s uncertain w		t on this objecti			ct on the objective and its sub-objective, nd also because of the potential for the				
E5. To provide, conserve,	+	+	+	Medium	Local	Long term						

KGB 1 - Land at Bank Lan	e, to the	north we	est of Kir	kby				
		Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
maintain and enhance green infrastructure.	partially gr use as a g former buil	not within ar eenfield site olf driving ra ldings and ca	that offers th nge has resu ar parking. It	e potential to fund ilted in parts of the	ction as part of e site being pre d that the propo	the Borough's Gree eviously developed a		
E6. To protect, manage and restore land and soil quality.	+	+	+	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
	It is howev addition, th recognised proposals	sals would re rer noted that ne northern p d that the red could thereb	t parts of the ortion of the evelopment y have some	site have been pr site has been use of the site would p	reviously devel ed for landfill. It present opportu on the sub-obje	oped and that the re is therefore conside unities to tackle any	emnants of former buildings and areas bred that it is unlikely that the site woul land contamination associated with the	est and Most Versatile agricultural land. of hardstanding remain on the site. In d be restored to agricultural use and it is e use of the site for landfill. The t land. It is therefore considered that the
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	potential to that the rec	bounded by adversely a development	ffect water q and potentia	uality unless adeo	quate mitigation he site may rec	n measures are ado duce or eliminate so		ed to this location which has the the site have been used for landfill and It is therefore considered that the impact
E8. To protect, and where	0	0	0	Medium	N/A	N/A		

KGB 1 - Land at Bank Lan	e, to the	north we	est of Kir	kby						
	-	Timescale	•			Nature of Eff	ect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
necessary, improve local air quality.	<u>Comments:</u> The site is not within an Air Quality Management Area and is immediately adjacent to the A506 Bank Lane which provides a regular bus service to Kirkby and Liverpool. It is also within the 800m buffer zone of Kirkby railway station and there are a range of local facilities and amenities that are readily accessible from the site including the Tower Hill Primary Care & Community Resource Centre, sport/recreational areas, a primary school within 600m of the site and a parade of shops on Loweswater Way. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes. Accordingly, and taking into account the quantum of development proposed, it is considered that there is scope to mitigate the impact of the proposal on air quality. As a result, it is concluded that the proposals are unlikely to have any significant impact on the objective.									
E9. To use water and mineral resources prudently and efficiently.		0     0     Medium     N/A       Comments:       Unlikely to have any significant effects.								
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	+	+	+	Medium	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.		
	<u>Comments:</u> The site is immediately adjacent to the A506 Bank Lane which provides a regular bus service to Kirkby and Liverpool. It is also within the 800m buffer zone of Kirkby railway station and there are a range of local facilities and amenities that are readily accessible from the site including the Tower Hill Primary Care & Community Resource Centre, sport/recreational areas, a primary school within 600m of the site and a parade of shops on Loweswater Way. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to travel and to encourage the use of sustainable transport modes. Accordingly, the proposal has the potential to have a positive impact on the objective and its sub-objective of encouraging sustainable transport use.									
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium cts.	N/A	N/A				

		Timescale				Nature of Eff	ect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Economic	÷	•		-	-		•	•			
EC1. To improve the competitiveness and	0         0         Medium         N/A         N/A           Comments:										
productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	The propos	sals for Land	at Bank Lar	e do not include a	an employmen	t element and are th	erefore unlikely to have a significant e	ffect on this objective.			
EC2. To enhance the vitality and viability of town and local centres.	+	+	+	Low	Local	Long term	Cumulative impact with other proposals for the regeneration of Tower Hill				
	Comments	-	ntential to su	innort the local ce	ontro on Lowes	water May Kirkby					
	Centre and and Shopp	l Shopping S ing Study co is however a	tudy (2009). ncluded was	The proposal cousin need of signifi	uld also suppor cant intervention	t efforts to encourage on and investment if	which is identified as a centre experier ge investment and expenditure in Kirkb it is to serve its local catchment and c reduce the degree of impact of the pr	ompete effectively with neighbouring			
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	Centre and and Shopp centres. It	l Shopping S ing Study co is however a	tudy (2009). ncluded was	The proposal cousin need of signifi	uld also suppor cant intervention	t efforts to encourage on and investment if	ge investment and expenditure in Kirkt it is to serve its local catchment and c	by town centre, which the Town Centre ompete effectively with neighbouring			

		Timescale	•			Nature of Effe	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
dentified in the Strategic Housing Ma own centre and a local centre on L enhancing the vitality and viability of number of community facilities, it is a educing the need to travel. The location is well-related to areas of mpact on the objectives of reducing positive impact on the objectives related	arket Assess oweswater V town and loc also consider of deprivatior poverty and ting to the loc	ment (2010) Vay. The por cal centres. E ed that the p n and it is en d social depr cal character	and have a tential develo by resulting i otential develo visaged that ivation; and and access	positive impact of opment of this loc n the provision of elopment in this loc the investment ir reducing unemple ibility of the lands	n the objective cation could ir housing in a l ocation could l othe area toge oyment. In ad cape; providir	e of providing good quarterease expenditure i location that is relative have some positive im ether with the jobs creater dition, it is considered by green infrastructure		easonably close proximity of both Kirk ve a positive impact on the objective within convenient walking distance of accessibility of goods and services; a evelopment could result in some posit build offer the opportunity to have so
ounds the site and the possible los	ss of priority ed. However,	habitats me given that t	ans that the he LWS and	potential develop d area of woodlar	oment in this nd occupy the	location could have a northern fringe of the	the possible impact on the Simonswo a negative impact on the objective re le site, it may be possible to mitigate	lating to biodiversity unless appropria
he site being within Flood Zones 2 a	and 3 as iden itigate flood r	tified by the	Council's St	rategic Flood Risk	Assessment	. Key mitigation meas	bjective relating to adapting to climate ures to reduce the level of adverse im sequential and exceptions tests and, i	pact on this objective is likely to inclu-
	this location	would not h	ave a negat	tive impact on any	of the other	objectives. The impa	ct of the potential development on the	e objective relating to mitigating clima

	Key for effects											
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	– – major negative;	? uncertain							

KGB 17 - Land at Edenhui	st Avenu	ie, to the	west of	Huyton				
	-	Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social								
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Low	Local	Long term	Cumulative impact with other development on levels of deprivation and perceptions of the area.	
S2. To improve local	are unlikely inclusion in regeneration limited cert	not adjacent / to have a s / Knowsley. I on initiatives ainty about t	ignificant im t is however and it is con he impact or	pact on the delive noted that the sit	ry of regenerat e is in close pro roposals have	ion priorities or make oximity to Childwall the potential to stime	atively large in size. It is therefore consi e a significant contribution to reducing d Valley and Belle Vale in Liverpool both c ulate investment in these areas. It is how	eprivation and securing economic of which have been the subject of
accessibility of goods, services and amenities and reduce community severance.	in a location train station number of would prov contribution The propos states that	sals are unlik n that is with n and there a facilities with ide the futur n to the conti sals would he the site is cu	in close proz are a numbe in the nearb e occupants inued viabilit owever resul irrently in pri	a scale where the kimity of the B517 r of facilities within y areas of Childw of the site with ea y of these service It in the loss of an vate ownership a	ey would incorp 8 Childwall Val n walking distar all and Belle Va asy access to e as and facilities. area that has p nd has not bee	orate significant on- ley Road which prov nce of the site, includ ale in Liverpool. The xisting services and previously been used n used for outdoor s	site facilities. The proposals would howe vides access to a regular bus service. The ding St Paschal Primary School, a parace proposal would therefore lead to the pr facilities by a choice of means of transp d for outdoor sports provision. Neverthe ports provision for a number of years. It lic open space relative to the Council's a	he site is also just over 1km from Roby de of shops on Rimmer Avenue and a ovision of housing in a location which ort. The proposals would also make a less, the Greenspace Audit (2012) is also noted that the Greenspace
S3. To improve safety and reduce crime, disorder and fear of crime.	0 <u>Comments</u> Unlikely to crime.		0 gnificant effe	Medium cts. Other policies	N/A	N/A rategy will ensure th	at all new development is designed in a	way that reduces opportunities for
S4. To support voluntary and	0	0	0	Medium	N/A	N/A		

KGB 17 - Land at Edenhur	st Avenu	le, to the	west of	Huyton						
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
community networks, assist social inclusion and ensure community involvement in decision making.	Comments Unlikely to	Unlikely to have any significant effects.								
S5. To improve health and	0	0	0	Medium	N/A	N/A				
reduce health inequalities. S6. To provide good quality, affordable and resource efficient housing.	been used outdoor spo of public op	sals are unlik for outdoor s orts provision oen space re	sports provis n for a numb lative to the	ion. Nevertheless er of years. It is a Council's adopted	, the Greenspa lso noted that t I standards. It i	ice Audit (2012) stat he Greenspace Auc s therefore consider	facilities. The proposals would result in es that the site is currently in private ow lit established that the site is located in red that the development of this site is u kely to have any significant impact on th Cumulative impact with other developments on securing a more balanced housing market.	nership and has not been used for an area that has a substantial surplus nlikely to have a significant impact on		
	The propos the sub-obj Housing Ma approximat would redu	<u>Comments:</u> The proposals would lead to the provision of new housing and have the potential to have a positive impact on both the objective of providing good quality housing and the sub-objective of providing a wider choice of accommodation to create a greater tenure mix which is particularly salient in South Huyton given that the Strategic Housing Market Assessment (2010) established that the area's housing stock is characterised by a very low proportion of socially-rented housing that is approximately half the Merseyside average and also below the North West and national averages. It is however noted that the relatively limited capacity of the site would reduce the degree of impact on this sub-objective.								
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	ne working age po	opulation and c	ould support the co	ction sector. In addition, the development ntinued viability of existing education ar effects on this objective.			
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A				

KGB 17 - Land at Edenhui	rst Avenu	ie, to the	west of	Huyton				
		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.		not within cl	ose proximity impact on th		d heritage ass	ets and it is therefore	e considered that the proposals for the l	and at Edenhurst Avenue are unlikely.
Environment								
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Low	Local	Long term		Other policies in the Core Strategy should seek to retain trees on northern boundary and area of woodland on the western part of the site.
	acknowled the gap be and the los	nowsley and ges that the tween Huyto s of these co	site is relativ n and Childv ould have an	rely small in size ir wall. The site does adverse impact c	n relation to ga s however cont on the landscap	p in question and the ain a number of area	e site as being located within a small ga erefore concludes that development in t as of mature trees, some of which are p rea. It is therefore considered that the p plemented.	his area would not significantly reduce rotected by Tree Preservation Order,
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.				Low	Local	Long term		Undertake ecological surveys. Exclude the LWS and areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats, the provision of a buffer around the LWSs and the retention of areas of woodland.

		Timescale	9			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	proposals f derived fro implemente however ac	ntains signif herefore ha m the assun ed, the propo cknowledgeo	ve the potent option that th osals could n d that in the a	ial to result in the e LWS will be exc educe the value o	loss of Priority cluded from the of the LWS. As ad ecological su	Habitat. In addition, developable area, u a result, it is conside	addition, part of the site is identified as , although it is recognised that the identi unless this is the case, and the other ide ared that the proposals could have a neg ne potential impact of the proposals on r	fied capacity of the site has been ntified mitigation measures are gative impact on the objective. It is
E3. To adapt to climate change ncluding flood risk.				Medium	Local	Long term		Undertake a more detailed Flood Risk Assessment although it is recognised that a Level 2 SFRA is being prepared by the Council. Apply the sequential and exception test to the development proposals and, if necessary, exclude parts of the site at greatest risk of flooding from the developable area. Other policies in the Core Strategy
								should ensure that appropriate measures are taken to mitigate flo risk, such as the use of SuDS.

KGB 17 - Land at Edenhu	rst Avenu	le, to the	west of	Huyton				
	-	Timescale	e					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	exacerbate capacity of unless that objective o The Prelim recognise t groundwate susceptible The propos summer te	sley Strategie the site has t is the case, f reducing flo inary Flood that there is er flooding. <i>i</i> a area are lik sals would h	e change and been derive and the othe cod risk. Risk Assessi a lack of loca Accordingly, ely to suffer owever resul	I this part of the si d from the assum er identified mitigation ment (2011) indication al information in re- the information or the consequences	te should only ption that the p tion measures ates that the sid lation to ground groundwater s of groundwater ubstantial area	be considered for de portion of the site wit are implemented, th te falls within an are dwater flooding and flooding is caveated er flooding.	of the site are within Flood Zones 2 and evelopment as part of a sequential appre- hin Flood Zones 2 and 3 will be exclude ne proposals could have a negative impa- a that is susceptible to ground water floo that the dataset used only identifies wid by the acknowledgement that only isola hat has the potential to provide habitat f	bach. It is recognised that the identified d from the developable area and act on the objective and its sub- boding. Nevertheless, the PFRA does der areas that may be at risk from ited locations within the overall or species and help mitigate higher
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.

KGB 17 - Land at Edenhu	rst Avenu	ie, to the	west of	Huyton				
	-	Timescale	•					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	<ul> <li><u>Comments:</u>         The construction and operation of this development would inevitably result in some carbon emissions and the proposals could result in the loss of contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures or implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the potential to have a nega objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is de maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverp Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carb study (2009) as a potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyond thos Plan policies.     <li>The site is within close proximity of the B5178 Childwall Valley Road which provides access to a regular bus service. The site is also just over 1km station and there are a number of facilities within walking distance of the site, including St Paschal Primary School, a parade of shops on Rimmer number of facilities within the nearby areas of Childwall and Belle Vale in Liverpool. The proposal would therefore lead to the provision of housing is relatively well served by public transport and within walking distance of a range of community facilities. It is therefore envisaged that the proposal would inevitably result in some carbon emissions and could thereby have a negative impact on the objective an it is considered that it is uncertain whether the impact on this objective would be significant due to the scale of the proposals and also because of the significant due to the scale of the proposals and also because of the single communi</li></li></ul>							
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies in the Core Strategy should seek to retain areas of woodland
	substantial of identified	not within ar area of gree Priority Hal	enfield land v bitat within th	which offers the po	otential to funct ore considered	ion as part of the Bo that the proposals h	referred Options report. The proposals prough's Green Infrastructure network a nave the potential to have a negative im	would however result in the loss of nd would also lead to the loss of areas

	St Avent	$\mathbf{r}$ , io inc	west of	пиуюп									
		Timescale	•										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.					
	The proposition is noted that	Comments: The proposals would result in the loss of a predominantly greenfield site, the eastern half of which is classified as Grade 3 Best and Most Versatile agricultural land. It is noted that parts of the site have been previously developed. Nevertheless, due to the area of greenfield land that would be lost it is considered that overall the proposals would have a negative impact on the objective and its sub-objective of directing new housing to previously developed land.											
E7. To protect, improve and where necessary, restore the	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity	Consider off-setting development from the edge of the brook					
quality of inland, and estuarine waters.	Comments: Childwall Brook runs along the western boundary of the site and the proposals would result in development being directed to this location which has the potential to adversely affect water quality unless adequate mitigation measures are adopted. It is however recognised that there is limited certainty about the impact of the proposals on the water quality of this brook.												
E8. To protect, and where	0	0	0	Medium	N/A	N/A							
necessary, improve local air quality.		-	e potential to	result in the loss	of an area of w	oodland and it is rea	cognised that trees can have a nositive						
	Study –Kno The site is station and number of is relatively potential to	from the atm owsley Repo within close d there are a facilities with y well served o reduce the	osphere. The rt (2011), the proximity of number of fa in the nearb by public tra need to trave	e site is not howeve e site is located or the B5178 Childwa acilities within wall y areas of Childwa ansport and within el and encourage	ver within an A n the fringe of t all Valley Road king distance o all and Belle Va walking distan the use of sust	ir Quality Manageme he urban area and t I which provides acc f the site, including s ale in Liverpool. The ice of a range of cor ainable transport me	ent Area and, as recognised by the drat herefore has the potential to integrate w cess to a regular bus service. The site is St Paschal Primary School, a parade of proposal would therefore lead to the p nmunity facilities. It is therefore envisage odes, including walking and cycling. Ac pact on this objective.	vith existing transport infrastructure. s also just over 1km from Roby train shops on Rimmer Avenue and a rovision of housing in a location which ed that the proposals have the					

KGB 17 - Land at Edenhu	rst Avenu	ie, to the	west of	Huyton							
		Timescale	9								
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
resources prudently and efficiently.		<u>Comments:</u> Unlikely to have any significant effects.									
E10. To reduce the need to travel and improve choice and use of more sustainable transport	+	+	+	Medium	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions				
mode.	<u>Comments:</u> As recognised by the draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the site is located on the fringe of the urbar potential to integrate with existing transport infrastructure. The site is within close proximity of the B5178 Childwall Valley Road which pro bus service. The site is also just over 1km from Roby train station and there are a number of facilities within walking distance of the site, i School, a parade of shops on Rimmer Avenue and a number of facilities within the nearby areas of Childwall and Belle Vale in Liverpool. therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a r It is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport and cycling. Accordingly, the proposal has the potential to have a positive impact on the objective and its sub-objective of encouraging su							which provides access to a regular the site, including St Paschal Primary Liverpool. The proposal would ance of a range of community facilities. e transport modes, including walking			
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium cts.	N/A	N/A					
Economic											
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	0 Comments The propos		0 I at Edenhurs	Medium st Avenue do not i	N/A nclude an emp	N/A loyment element an	Id are therefore unlikely to have a signif	icant effect on this objective.			
EC2. To enhance the vitality and	+	+	+	Low	Local	Long term	Enhanced perceptions of the area.				

	rst Avenu	Timescale				ect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Nature of Effe	Secondary, cumulative, synergistic	Mitigation
viability of town and local centres.	expenditure	als have the generated		opment could be			Rimmer Avenue. Nevertheless, it is re Liverpool district and there is therefore	
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	0 <u>Comments</u> The constru	-	0 housing has	Medium	N/A enerate some	N/A employment opportu	nities in the construction sector and th	e proposals would also potentially bring

Timescale         Nature of Effect           SA Objective         0 - 5         5 - 10         10+         Certainty         Scale         Permanence         Secondary cumulative         Mitigation											
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
ures and could thereby co -objective of providing a re occupants of the locati	ntribute to housing vider choice of acco on with easy acces	needs identif ommodation s to existing	ied in the St to create a g services and	rategic Housing N greater tenure mi d facilities by a cl	Market Assessi x. The potentia noice of means	ment (2010) and hav al development woul s of transport and w	ve a positive impact on the objective d also lead to the provision of hous ould also make a contribution to the	I to deliver a range of housing types of providing good quality housing and ing in a location which would provide continued viability of these services ity of goods, services and amenities			
elopment could have son	e positive impact c	n the objecti	ives of reduc	ing poverty and	social deprivat	tion; and reducing u		os created during the construction of tent in this location could have a posi			
al Wildlife Site and the si ificant negative impact of ugh the exclusion of this	te also contains sign the objective related asset from the development ikely to include unc	nificant area ing to biodiv elopable area lertaking eco	is of grassla ersity unless a and the pro logical studio	nd which is an ic appropriate mitig ovision of an app es and retaining	lentified Priorit gation measure ropriate buffer areas of wood	y Habitat. It is there es are implemented around this LWS. C land. It is however	fore considered that the potential d . In particular, it is recognised that t other mitigation measures that could recognised that it may not be possil	sues. Part of the location is identified a evelopment in this location could hav he impact on the LWS could be redu be implemented to reduce the degree ole to mitigate the impact of the poter			
es 2 and 3 as defined by essments (2011) as being	the Strategic Flood susceptible to grou	Risk Assess Indwater floo	ment and al ding. Key m	so due to the pro itigation measure	posals resultin s are likely to i	g in development ta nclude undertaking r	king place in a location that has bee nore detailed site-specific flood risk	, to sections of the site being within Fl n identified by the Preliminary Flood F assessments, applying the sequential of the site from the developable area.			
	a negative impact c	n any other o	objectives bu		f Childwall Broo	ok within the site me	ans that their impact on the objective	and soil. It is envisaged that the poter e relating to water quality is considered			

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of H	lalewood							
		Timescale	9			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Social											
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Low	Local	Long term	Together with the proposals for KGB21, the proposals for the site could have a have a positive cumulative impact on investment in the area.				
	The site is	<u>Comments:</u> The site is not adjacent to an identified regeneration area. Nevertheless, due to the size of the area the delivery of additional dwellings may have a positive impact reducing deprivation by stimulating investment and creating jobs in the construction sector.									
S2. To improve local accessibility of goods, services and amenities and reduce community severance.	+       +       Medium       Local       Long term         Comments:       The proposals would result in the provision of housing in a location that is in close proximity of a number of local facilities, including a local shopping centre on Bailey's Lane and Halewood Church of England Primary School. There is also a leisure centre, GP and health centre within 700m of the site. The proposal would therefore lead to the provision of housing in a location which would provide the future occupants of the site with easy access to existing services and facilities by choice of means of transport. The proposals would also make a contribution to the continued viability of these services and facilities.										
S3. To improve safety and reduce crime, disorder and fear of crime.	crime.		0 0 0				nat all new development is designed in a	way that reduces opportunities for			
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	O     O     Medium     N/A       Comments:       Unlikely to have any significant effects.										
S5. To improve health and	0	0	0	Medium	N/A	N/A					

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of H	lalewood							
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
reduce health inequalities.	<u>Comments:</u> The site does not presently have presently any public access and it is therefore considered that the development of the site would not reduce opportunities for informal recreation. Accordingly, the proposals are unlikely to have any significant effects upon this objective.										
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	+ +	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.			
	objective of which estal the Boroug choice of a	substantial c f providing g blished that t h average a	ood quality h the proportio nd the highe on to create	nousing. The prop n of two- and thre st entry level price	osals could cor ee-bed propertie es in the Borou	ntribute to the housi es in Halewood is be gh. The proposals c	at Greenbridge Lane have the potentian ng needs identified by the 2010 Strategi elow the borough average and that the a ould also have a positive effect on the s y of the site may also have a positive inf	c Housing Market Needs Assessment area has average house prices above ub-objective of providing a wider			
S7. To improve educational	0	0	0	Medium	N/A	N/A					
attainment, training and opportunities for lifelong learning and employability.	<u>Comments:</u> The construction of the housing may generate some training opportunities in the construction sector. In addition, the development of this site for residential purposes will provide additional members of the working age population and could support the continued viability of existing education and training facilities. However, given their scale, it is considered that the proposals for the site are unlikely to have any significant effects on this objective.										
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A					
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	0         0         0         Medium         N/A         N/A           Comments:         The site does not contain any designated heritage assets. Halewood Conservation Area is situated 250m to the west of the site and there is an archaeological site 100m to the south of the site. It is however noted that the Land at Greenbridge Lane is separated from these heritage assets by existing areas of housing. Accordingly, it is considered that the setting of these heritage assets is already influenced by more modern development and, as such, the proposals for the Land at Greenbridge Lane are unlikely to result in further detriment to the significance of these heritage assets. Accordingly, it is considered that the proposals would have no significant impact on the objective.										

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of H	lalewood						
		Timescale	e			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
Environment		-				-				
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Medium	Local	Long term	Secondary impacts on perceptions of the area.	Other policies of the Core Strategy should seek to retain existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character		
	Comments: The draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) identifies that the site forms part of a gap between Halewood and Widnes/Tarbock. The site comprises principally of open fields and the Landscape Character Assessment (2006) identifies the site as falling within a broad river valley landscape on the Urban Fringe Farmland Plain. Whilst urban development is prominent at the fringes of this area, the Landscape Character Assessment considers that these fringes do not presently have a major influence due to their impact being limited by a lack of elevation and tree cover. The proposals would expand the urban fringe of Halewood and it is noted that the edge of the site would not be well screened by trees on its eastern boundary. As such, the proposals are likely to increase the influence of the urban fringe upon this landscape. It is also noted that the site has a number of mature trees on its north western boundary that are protected by Tree Preservation Order and the loss of these trees could have a negative impact on local landscape character. It is therefore considered that the proposals for the site have the potential to have some negative impact on the local character of the landscape.									
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	_	-	-	Low	Local	Long term		Undertake ecological surveys. Exclude priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats, the provision of a buffer around the LWSs and the retention of areas of woodland.		

KGB 20 - Land at Greenb	ridge Lan	e, to the	east of H	lalewood		Nature of Eff				
		Timescale	9							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The site is within the Netherley Brook and Ditton Brook Corridor Strategic Opportunity Area, there is a section of priority habitat within the site (woodland) and the eastern boundary of the site is formed by Dilton Brook which is an identified Local Wildlife Site. The development of this site may place pressure on these features and could potentially result in the loss of Priority Habitat. As a result, it is considered that the proposal would have a negative impact on this objective and the sub- objective of conserving and enhancing the natural environment. It is however acknowledged that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value it is recognised that there can only be limited certainty about their impact on this objective.									
E3. To adapt to climate change including flood risk.				Medium	Local	Long term		Undertake more detailed Flood Risk Assessment although it is recognised that a Level 2 SFRA is being prepared. Apply the sequential and exception test to the development proposals and, if necessary, exclude parts of the site at greatest risk of flooding from the developable area. Other policies in the Core Strategy should ensure that appropriate measures are taken to mitigate flood risk, such as the use of SuDS.		
	Comments:         The Knowsley Strategic Flood Risk Assessment (SFRA) (2009) identifies that the eastern half of the site is within Flood Zones 2 and 3. This risk of flooding will be exacerbated by climate change and this part of the site should only be considered for development as part of a sequential approach. It is recognised that the identified capacity of the site has been derived from the assumption that the portion of the site within Flood Zones 2 and 3 will be excluded from the developable area and unless this is the case, and the other identified mitigation measures are implemented, the proposals could have a negative impact on the objective and its sub-objective of reducing flood risk.         The proposals would also result in the loss of a substantial area of greenfield land that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.									

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of H	alewood				
		Timescale	•					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change, such as increased flood risk.	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.
	contribution implemente objective a maximise e Renewable study (200 Plan policie Only the se of some dis although it site, includ site. It is th	uction and o n to mitigatin ed to retain o nd its sub-ob energy efficie Energy Cap 9) as a poter 9) as a poter es. buth western stance from to is acknowled ing a local sh erefore envis	g climate cha on-site trees o jective. It is oncy. The site pacity Study tial location sections of t hese service dged that the opping cent saged that the	ange through abs or secure adequa however recognise e is not however le (2009) and it is not for implementing the site are within es. It is recognise re is limited certa re on Bailey's Lar e impact of the put the site, it is cons	orbing carbon te replacement ed that other p ocated within a ot in particularly district heating the Council's i d that the prop inty about this ne, Halewood C oposals on the idered to be ur	dioxide. Consequen t planting, it is considual iolicies in the Core S ('Priority Zone' for re y close proximity to a . It is therefore unlik dentified buffer zone osals are of a scale at this stage. There Church of England P e use of sustainable	oon emissions and the proposals could r tly, although it is acknowledged that mit dered that the proposals have the poten Strategy are likely to ensure that all new enewable and low carbon energy as ide a site identified by the Knowsley Renew ely to deliver a reduction in carbon emis es for train stations and a bus corridor al where they may facilitate improvements is however a number of local facilities w trimary School and a leisure centre, GP transport modes is uncertain.	igation measures could be tial to have a negative impact on the development is designed in a way to ntified by the Liverpool City Region able and Low Carbon Energy Options isions beyond those required by Local nd, given its scale, parts of the site are is to the local transport network ithin reasonably close proximity of the and health centre within 700m of the act on the objective.
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site.
	substantial Priority Ha	not within ar area of gree bitat within th	enfield land w ne site. It is th	hich offers the po	otential to funct ed that the pro	ion as part of the Bo	referred Options report. The proposals v prough's Green Infrastructure network a ential to have a negative impact on the o	nd may also impact upon sections of

KGB 20 - Land at Greenbri	dge Lan	e, to the	east of H	lalewood					
		Timescale	•			Nature of Eff	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.	
	Comments: The proposals would result in the loss of a substantial predominantly greenfield site. It is also noted that the entire site is classified as Grade 2 or Grade 3 Most Versatile agricultural land and that parts of the site are presently within agricultural use. It is therefore considered that the proposals have the potential negative impact on this objective and also on the sub-objective of directing new housing to previously developed land.								
E7. To protect, improve and where necessary, restore the	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity	Consider off-setting development from the edge of the brook	
waters.	ality of inland, and estuarine iters. Ditton Brook forms the eastern boundary of the site and the proposals may result in development being directed to this location w affect water quality unless adequate mitigation measures are adopted. It is however recognised that there is limited certainty abo water quality of this brook.								
E8. To protect, and where	0	0	0	Low	N/A	N/A			
	uncertain. removing p bus corrido proposals a this stage. Church of I However, g	sals are likely The proposa pollutants from or and, given are of a scale There is how England Prin given the sca	Is have the p m the atmos its scale, pa e where they vever a numl nary School ile of the site	potential to result i phere. In addition rts of the site are may facilitate im ber of local facilition and a leisure cent there is only a lir	in the loss of ar , only the south of some distan provements to es within reaso tre, GP and hea nited level of ce	n area of woodland a n western sections o ce from these servic the local transport n nably close proximit alth centre within 70 ertainty over whethe	and it is recognised that trees can have f the site are within the Council's identi ces. The site is not however within an etwork although it is acknowledged tha y of the site, including a local shopping 0m of the site, and also an established r these facilities would be within conver	ied buffer zones for train stations and a Air Quality Management Area. The t there is limited certainty about this at centre on Bailey's Lane, Halewood employment area within 1.5km. hient walking distance of the entire site.	
						of sustainable trans	sport modes is uncertain. Nevertheless,	given the capacity of the site, it is	

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of F	lalewood							
		Timescale	9			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
resources prudently and efficiently.	Comments: Unlikely to have any significant effects.										
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	?	?	?	Low	Local	Long term		Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.			
	<u>Comments:</u> As recognised by the draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the site is located on the fringe of the urban area and therefore has the potential to integrate with existing transport infrastructure. However, only the south western sections of the site are within the Council's identified buffer zones for train stations and a bus corridor and, given its scale, parts of the site are of some distance from these services. It is recognised that the proposals are of a scale where they may facilitate improvements to the local transport network although it is acknowledged that there is limited certainty about this at this stage. There is a number of local facilities within reasonably close proximity of the site, including a local shopping centre on Bailey's Lane, Halewood Church of England Primary School and a leisure centre, GP and health centre within 700m of the site, and also an established employment area within 1.5km. However, given the scale of the site there is only a limited level of certainty over whether these facilities would be within convenient walking distance of the entire site. It is therefore envisaged that the impact of the proposals on the use of sustainable transport modes is uncertain.										
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 Comments Unlikely to		0 gnificant effe	Medium cts.	N/A	N/A					
Economic											
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number	0	0	0	Medium	N/A	N/A	Together with the proposals for KGB21, the proposals for the site could have a have some positive cumulative impact on investment in the area.				
of new businesses.	Comments The propos	-	and at Gree.	nbridge Lane do r	not include an e	employment elemen	t and are therefore unlikely to have a sig	gnificant effect on this objective.			

KGB 20 - Land at Greenbr	idge Lan	e, to the	east of H	lalewood						
		Timescale	•							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
EC2. To enhance the vitality and viability of town and local	+	+	+	Medium	Local	Long term	Enhanced perceptions of the area.			
	vels of employment and reduce deprivation and quality of life.									
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.										
Sustainability Summary										

			Timescale				Nature of Eff	ect	
SA Obj	ective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
oviding good qua oportion of two- portunities during sitive impact on h easy access t levelopment, wh t development in e Strategic Flood	lity, affordable an ind three-bed pro- the construction he objective relate existing service ch is scheduled t this location cou Risk Assessmer	Id resource e operties in Ha of the devel ting to improve s and facilitie to be complet Id have a posent does howe	fficient housi alewood is be opment wou ving accessib s by a choic ed by the en sitive impact	ng and could elow the bord Id support the ility to goods the of means d of 2012, a con the object that the easte	d contribute to the ough average an e objectives of re s and facilities by of transport. In a nd also have a p tive of enhancing rn half of the site	e housing nee d that the area educing unemp resulting in th ddition, given ositive impact the vitality and is within Flood	ds identified by the 2 a has average house oloyment; and reduct ine provision of housing the residential capace on the vitality and via d viability of town and d Zones 2 and 3 and	le of housing proposed would have a 2010 Strategic Housing Market Needs a prices above the Borough average. ing poverty and social deprivation. De ng in a location which would provide t city of the location, the potential deve ability of the local shopping centre on I local centres. it is considered that development in the nitigation measures are implemented.	Assessment which established that In addition, the creation of employm evelopment in this location could have he future occupants of the developm lopment could support the Ravensco Bailey's Lane. It is therefore conside
completion of r stainable Draina velopment in this nsidered that the velopment in this	nore detailed site ge Systems and, location would re potential develop location would in	-specific floo if necessary, esult in the lo oment would revitably lead	d risk assess excluding the ss of a signif have a nega to the loss of	sments, the e eastern pa icant area of tive impact o f greenfield l	application of the rt of the site from greenfield land v on the objective r and and Best and	e sequential ar the developat which is predor elating to proto d Most Versati	nd exception tests, a ble area. minantly classified as ecting land and soil. le agricultural land, e	pplying other appropriate measures Grade 2 and Grade 3 Best and Most Whilst the impact on this objective ca ensuring that any development in this	to mitigate flood risk such as the use Versatile agricultural land. It is therefinnot in itself be wholly mitigated as a
her objectives w ler to reduce the site it may be her measures w	nich it is consider potential impact ossible to mitigat	red that deve on these object te some of the tigate some of	lopment in th ectives a nur le impact on of the impact	his location is nber of mitig the objective	s likely to have a ation measures a e relating to biod	negative impa are recomment iversity by unc	act on include those ded. In particular, giv lertaking appropriate	uture development needs. which relate to landscape character; ven that the Ditton Brook Local Wildlif ecological surveys and by providing ve relating to landscape character in	e Site is located on the eastern fringe an appropriate buffer around this LV
	d to be uncertair							the site to Ditton Brook means that its tigating climate change and the use	

KGB 8 - Land bound by A58, to the north of Prescot											
		Timescale	9								
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Social				•			•				
S1. To reduce poverty and social	+	+	+	Low	Local	Long term					
deprivation and secure economic inclusion.	<u>Comments:</u> The site is not adjacent to an identified regeneration area. Nevertheless, due to the size of the area the delivery of additional dwellings may have a posit reducing deprivation by stimulating investment and creating jobs in the construction sector.										
S2. To improve local accessibility of goods, services and amenities and reduce	+	+	+	Low	Local	Long term		Retain sports pitches or secure alternative provision of sports pitches			
community severance.	Comments: The proposals would result in the provision of housing in a location that is in close proximity of Liverpool Road which is well served by buses to Rainhill, St H and Liverpool. There are also a range of local facilities within convenient walking distance of the site, including Prescot town centre, a GP and health centre the east of the site, and a leisure centre within 1.2km of the site. The proposal would therefore lead to the provision of housing in a location which would pro future occupants of the site with easy access to existing services and facilities by a choice of means of transport. The scale of development proposed could ensure the continued viability of these services and facilities. The location contains a number of sport pitches located off Knowsley Park Lane which were rated as 'good' by the Knowsley Green Space Audit (2012). Th Knowsley and Sefton Green Belt Study – Knowsley Report (2011) states that the indicative capacity for the site is based upon the assumption that this facili be retained and it is considered that unless these facilities were retained their loss could have an adverse impact on the achievement of this objective. This the level of certainty that the proposals would have a positive impact on this objective.										
S3. To improve safety and reduce crime, disorder and fear of crime.			0 gnificant effe	Medium cts. Other policies	N/A in the Core St	N/A trategy are likely to e	nsure that all new development is desig	ned in a way that reduces			
S4. To support voluntary and	0	0	0	Medium	N/A	N/A					

KGB 8 - Land bound by A	58, to the	north of	i Prescot									
		Timescale	•			fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
community networks, assist social inclusion and ensure community involvement in decision making.		<u>Comments:</u> Unlikely to have any significant effects.										
S5. To improve health and reduce health inequalities.	-	-	-	Low	Local	Long term	Secondary impacts on quality of life	Retain sports pitches or seek to secure on-site public open space and the provision of a replacement sports pitch.				
	Comments: The site contains a number of sport pitches located off Knowsley Park Lane which were rated as 'good' by the Knowsley Green Space Audit (2012) and it is noted that the Green Space Audit (2012) identified that this area has a marginal deficit of 0.13ha of public open space relative to the Council's adopted standards. It is recognised that, as stated by the draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the indicative capacity for the site is based upon the assumption that this facility would be retained and it is considered that unless this was the case the proposals would have the potential to have a slight negative impact on this objective.											
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	+ +	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.				
	<u>Comments:</u> Given the substantial capacity of the site, it is considered that the proposals for Land bound by the A58 to the north of Prescot would have the potential to have a positive impact on the objective of providing good quality housing. This impact would become more significant as the development is built out. The proposals could also have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix. The large capacity of the site may also have a positive influence the financial viability of affordable housing on site.											
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	ne working age p	opulation and c	ould support the co	uction sector. In addition, the development ntinued viability of existing education an cant effects on this objective.					

KGB 8 - Land bound by A	· · · · · · · · · · · · · · · · · · ·					Nature of Eff		
		Timescale	9			fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	?	?	?	Low	Local	Long term	Secondary impacts on the image of the area and sense of place.	Undertake an assessment of the proposals on these heritage assets and, if appropriate, incorporate measures to protect their setting.
	Comments:         A small portion of the site falls within the Prescot Conservation Area and the site is therefore considered to be partially within a historic setting. It is also note there a number of listed buildings in relatively close proximity to the site, including the Grade II listed nos. 44-54 Derby Street and the Clock Face PH. The si in reasonably close proximity to Knowsley Hall Estate (Historic Park and Gardens) but it is acknowledged that the A58 represents a significant barrier to the area and will significantly limit any adverse impacts from development.         It is however considered that the proposals have the potential to impact on the setting of the conservation area and a number of these listed buildings. Howe acknowledged that there is only limited certainty about this as the setting of some of these listed buildings is already heavily influenced by modern development as the adjacent garden centre. It is also noted that Prescot Conservation Area is included on English Heritage's Heritage at Risk Register and when previous assessed was considered to be in a very bad condition and deteriorating. Whilst the proposals could potentially affect the setting of the north western part of conservation area, the scale of development proposed could generate additional investment in the area and thereby help contribute to the conservation and							
Environment	•							
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Low	Local	Long term	Secondary impacts on perceptions of the area.	Other policies in the Core Strategy should ensure the retention of existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character
	that develo adequately considered contribute t	Knowsley an pment in thi contained. that the lan to the chara	s location wo It is also acki dscape in the cter of the ar	ould not significan nowledged that pa e area makes son ea. It is therefore	tly reduce this g arts of the site h ne contribution considered that	gap. The site also han ave been previousl to the setting of Pre	he as being within the narrow gap betwe as strong physical boundaries which sho y developed, such as the garden centre scot and it is recognised that the site co he site have the potential to have a nega dland.	ould ensure the development is on Liverpool Road. Nevertheless, it is intains a number of mature trees which

KGB 8 - Land bound by A		Timescale				iect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	Priority Ha	areas of woo bitat and, as	a result, hav ed ecologica	e a negative impa	act on the obje	ctive unless the iden	boundary. The proposals therefore have tified mitigation measures are implement posals on nature conservation value the	nted. It is however acknowledged that
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.

KGB 8 - Land bound by A	58, to the	north of	i Prescot							
	-	Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The Preliminary Flood Risk Assessment (2011) indicates that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a lack of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are likely to suffer the consequences of groundwater flooding. The proposals would however result in the loss of a substantial area of predominantly greenfield land that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.									
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.		
	contributior implemente objective al maximise e Renewable study (2009 adjacent co network in The site is convenient site. The pr range of co transport m	within close walking dist walking dist within close walking dist working dist	g climate cha on-site trees ojective. It is ency. The site bacity Study ntial location to other non-re- s therefore u proximity of ance of the s d therefore le- silities. It is the ling walking s	ange through abs or secure adequa however recognis e is not however le (2009) and it is no for implementing esidential develop nlikely to deliver a Liverpool Road w site, including Pre ead to the provision perefore envisaged and cycling.	orbing carbon of te replacement sed that other p ocated within a ot in particularly district heating ment to the no a reduction in c hich is well sen scot town centr on of housing in d that the propo	dioxide. Consequen planting, it is conside olicies in the Core S 'Priority Zone' for re close proximity to a . It is also noted that rth west of Prescot re arbon emissions be wed by buses to Rai re, a GP and health n a location which is psals have the poter	toon emissions and they could also result tly, although it is acknowledged that miti dered that the proposals have the poten Strategy are likely to ensure that all new enewable and low carbon energy as iden a site identified by the Knowsley Renewa t the Low Carbon Energy Options study means there is unlikely to be a reasonab yond those required by Local Plan polici nhill, St Helens and Liverpool. There are centre 350m to the east of the site, and relatively well served by public transpor ntial to reduce the need to travel and energy ve impact from the proposals on this ob	gation measures could be tial to have a negative impact on the development is designed in a way to ntified by the Liverpool City Region able and Low Carbon Energy Options states that the absence of significant ble anchor load for any district heating es. e also a range of local facilities within a leisure centre within 1.2km of the t and within walking distance of a courage the use of sustainable		

KGB 8 - Land bound by A	58, to the	north of	i Prescot								
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Seek to retain areas of woodland and secure the delivery of replacement pitches.			
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.			
	<u>Comments:</u> The proposals would result in the loss of a predominantly greenfield site, the western half of which is classified as Grade 3 Best and Most Versatile agricultural land. Consequently, whilst it is recognised that parts of the site have been previously developed, it is considered that overall the proposals would have a negative impact of the objective and its sub-objective of directing new housing to previously developed land.										
E7. To protect, improve and	0	0	0	Medium	N/A	N/A					
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	-	gnificant effe	cts			·	·			
E8. To protect, and where	0	0	0	Medium	N/A	N/A					

KGB 8 - Land bound by A	58, to the north of Prescot										
		Timescale	;			Nature of Eff	fect				
SA Objective	0 – 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation			
	years	years	years				synergistic				
necessary, improve local air	Comments	-									
quality.							rea but it is recognised that the extent to				
	uncertain. The site is not within an Air Quality Management Area and, as recognised by the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011),										
		the site is located on the fringe of the urban area and therefore has the potential to integrate with existing transport infrastructure. The site is within close proximity of Liverpool Road which is well served by buses to Rainhill, St Helens and Liverpool. There are also a range of local facilities within convenient walking distance of the site, including Prescot town centre, a GP and health centre 350m to the east of the site, and a leisure centre within 1.2km of the site. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. It is									
							nd encourage the use of sustainable tra				
							als are unlikely to have any significant i				
E9. To use water and mineral	0	0	0	Medium	N/A	N/A					
resources prudently and		Comments:									
efficiently.	Unlikely to have any significant effects										
E10. To reduce the need to travel	+	+	+	Medium	Local	Long term	Secondary impacts on air quality				
and improve choice and use of						Ũ	and greenhouse gas emissions				
more sustainable transport	Comments	-									
mode.							2011), the site is located on the fringe o				
							nity of Liverpool Road which is well serv the site, including Prescot town centre,				
							bre lead to the provision of housing in a				
							erefore envisaged that the proposals ha				
							ling. Accordingly, the proposal has the				
				of encouraging su							
E11. To minimise the production	0										
of waste and increase reuse,	Comments:										
recycling and recovery rates.	Unlikely to have any significant effects.										
Economic		1	1	1	1						
EC1. To improve the	0	0	0	Medium	N/A	N/A					

KGB 8 - Land bound by A	58, to the	e north of	Prescot								
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	Comments The propos objective.	-	and bound b	y the A58 to the r	orth of Presco	t do not include an ε	employment element and are unlikely to	have a significant effect on this			
EC2. To enhance the vitality and viability of town and local centres.	+ +	+ +	+ +	Medium	Local	Long term	Enhanced perceptions of the area and potential secondary impacts on the significance of the Prescot town centre conservation area.				
	<u>Comments:</u> The site is approximately 400m from Prescot town centre which, according to the Knowsley Town Centre and Shopping Study (2009), has suffered a loss of vitality and viability in recent years and is identified as a regeneration priority by the draft Economic Regeneration Strategy. Given the residential capacity of the site and its proximity to the town centre, the proposals have the potential to have a positive impact on the vitality and viability of this centre by increasing levels of expenditure within it. It is therefore considered that the proposals have the potential to have a positive impact on this objective.										
EC3. Maintain high and stable levels of employment and reduce	+	+	+	Low	Local	Long term	Secondary impacts on deprivation and quality of life.				
long-term unemployment.	<u>Comments:</u> Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has the potential to have some positive impact on the objective. The proposals would also potentially bring additional working age people to the area and the additional expenditure generated by the proposals could also help sustain existing jobs.										
Sustainability Summary	· ·										

KGB 8 - Land bound by A58, to the north of Prescot											
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Given the substantial capacity of the location, it is considered that the potential development of the Land bound by the A58 to the north of Prescot could make an important contribution to the housing											

Given the substantial capacity of the location, it is considered that the potential development of the Land bound by the A58 to the north of Prescot could make an important contribution to the housing needs identified in the Strategic Housing Market Assessment (2010) and have a positive impact on the objective of providing good quality housing. The location is also within close proximity of Prescot town centre which, according to the Knowsley Town Centre and Shopping Study (2009), has suffered a loss of vitality and viability in recent years. Given the notional capacity of the location and its proximity to the town centre, it is considered that the potential development in this location could have a positive impact on the vitality and viability of this centre by increasing levels of expenditure within it and it is therefore considered that they would have a major positive impact on this objective. It is considered that development in this location would also have the potential to have a positive impact on a number of other objectives, including those relating to reducing poverty and social deprivation; reducing the need to travel; and reducing long term unemployment.

Development in this location would however result in housing being built on a predominantly greenfield site and, unless appropriate mitigation measures are implemented, could also lead to the loss of areas of priority habitat and a number of sports pitches. As a result, it is envisaged that the potential development in this location could have a negative impact on the objectives relating to local landscape character; biodiversity; green infrastructure; health; and protecting land and soil. The exclusion of the sports pitches from the developable area or the provision of suitable replacement facilities could however mitigate the impact on the objective relating to health. In addition, the impact on the objectives relating to landscape character and biodiversity could potentially be reduced through securing appropriate landscaping and on-site open space provision, undertaking ecological surveys and protecting areas of woodland. Whilst it is recognised that it would not be possible to completely mitigate the impact on the objective relating to protecting land and soil, due to development in this location inevitably resulting in the loss greenfield land, it is recommended that ensuring the development is built to an appropriate density could help minimise the need to release further greenfield sites.

Development in this location could also have a negative impact on the objective relating to adaptation to climate change due, in part, to the proposals resulting in development taking place in a location that has been identified by the Preliminary Flood Risk Assessments (2011) as being susceptible to groundwater flooding. Key mitigation measures to reduce the level of impact on this objective are likely to include applying appropriate measures to mitigate flood risk such as the use of Sustainable Drainage Systems.

The site is also in close proximity to a number of historic assets, including Prescot town centre which is included on English Heritage's Heritage at Risk Register. However, whilst development in this location could potentially affect the setting of the north western part of the conservation area, the scale of development could generate additional investment in the area and thereby help contribute to the conservation and enhancement of this historic asset. Consequently, it is considered that the impact of development in this location on the objective relating to preserving and enhancing Knowsley's built heritage is uncertain. The impact of the potential development on the objective relating to mitigating climate change is also considered to be uncertain.

		Key fo	r effects		
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	<ul> <li>– major negative;</li> </ul>	? uncertain

KGB 16 - Land to the sout	h of Whi	ston (Ph	ase 1), W	indy Arbor F	Road			
	-	Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social								
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Low	Local	Long term	Together with the proposals for KGB14 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support regeneration.	
		not adjacent				less, due to the size he construction sec	of the area the delivery of additional dw	vellings may have a positive impact on
S2. To improve local	+	+	+	Medium	Local	Long term		
accessibility of goods, services and amenities and reduce community severance.	centre on C would be so proposer o positive imp notwithstar	a range of lo Greene's Ro ome distanc f the site has pact on the o nding the sta	ad. The prop e from the se s indicated the objective and ted intention	osals would also buthern and easte hat a range of soc l its sub-objective s of the proposer	make a contrib orn parts of the ial and communication of improving co of the site, at the	ution to the continue site, it is recognised nity facilities would to community facilities.	ons of the site including primary schools, ed viability of these services and facilitie I that the proposals are of a scale which be provided on site. It is therefore consid However, the degree of impact on this o Ily limited certainty over what facilities we eas.	s. Whilst it is noted that these facilities could provide on-site facilities and the lered that the proposals would have a bjective is reduced by the fact that,
S3. To improve safety and	0	0	0	Medium	N/A	N/A		
reduce crime, disorder and fear of crime.	Comments Unlikely to crime.	-	gnificant effe	cts. Other policies	s in the Core St	rategy will ensure th	nat all new development is designed in a	way that reduces opportunities for
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium cts.	N/A	N/A		

KGB 16 - Land to the sout	h of Whi	ston (Pha	ase 1), W	indy Arbor F	Road							
		Timescale	•			Nature of Eff	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
S5. To improve health and	+	+	+	Low	Local	Long term	Secondary impacts on quality of life.					
reduce health inequalities.	Comments: The proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be											
	confirmed t is therefore at this stag	incorporated into the proposals. The proposers of the site have stated that the development would be laid out to encourage walking and cycling and have also confirmed that large areas of the site would be retained as green and open space which would be made available for informal recreation for all Knowsley residents. It is therefore considered that the proposals have the potential to have a positive impact on the objective but the level of certainty about this is reduced by the fact that at this stage there is only limited certainty over what facilities would be provided on site and the degree to which these would be accessible from all parts of the site and surrounding areas.										
S6. To provide good quality, affordable and resource efficient housing.	+	++	+ +	Medium	Local	Long term	Together with the proposals for KGB14 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support regeneration.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.				
	<u>Comments:</u> Given the capacity of the site, it is considered that the proposals would have a major positive impact on the objective of providing good quality housing by contributing to the housing needs identified by the 2010 Strategic Housing Market Needs Assessment. The proposals could have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix and the large capacity of the site is also likely to have a positive influence the financial viability of affordable housing on site. The impact upon this objective would become more significant as the development is built out.											
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Low	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.					
learning and employability.	the develop education a improveme	scale of the p oment of this and training f ents to the loo	site for resid facilities. It is cal public tra	dential purposes v also considered nsport system wh	vill provide add that the propos iich could enha	itional members of t als are of a scale w nce the physical acc	ay generate some training opportunities he working age population and could su here they may result in the provision of cessibility of educational and training op detailed proposals for the site are devel	pport the continued viability of existing on-site education facilities or result in portunities. It is however				

KGB 16 - Land to the sout	KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road Timescale Nature of Effect												
		Timescale	•										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an assessment of the proposals on these heritage assets and, if appropriate, incorporate measures to protect their setting such as landscaping or the creation of a suitable buffer.					
	setting and scope to in	e Farmhous I significance	of this heritation of this heritation of the other the o	age asset. It is ho	wever recognis	ed that this building	development in this location would have is located towards the edges of what is ere is therefore only a limited level of ce	a large site. As a result, there may be					
Environment				Low		Long form	Cocondan / imports on persentions	Cook to rotain aviating trace and					
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across	-	-	-	Low	Local	Long term	Secondary impacts on perceptions of the area.	Seek to retain existing trees and, where possible, protect the setting of the remnants of the former Halsnead Estate.					

KGB 16 - Land to the sout	KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road											
		Timescale	9			fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Knowsley.	concludes well-contai Neverthele area but th two key are remnants of have an ac The propos appearanc stage there of the site a	Knowsley an that the deve ned by stron ess, the Know at there is me eas of existin of the former of the Halsne dverse effect ser of the sit e. The propo- e is however and area of	elopment of f ig defensible wsley Open S ninimal remna og open space Estate, inclue ead Hall Park on the local e has stated osals also ma limited certa greenfield lar	the site would not boundaries if it w Space, Recreation ant landscape aro be in this area. The iding long sections land make a position character of the la that mature tree p ake reference to re- inty over the extern of that could be lo	have a signific ere to come fo and Sport Str und this area. e Landscape C s of the sandst tive contributio andscape. elanting and ex etaining existin nt to which the ist as part of th	ant impact on the se rward alongside KGI ategy (2005) notes the Halsnead Park, which character Assessment one boundary wall, a n and their loss or the isting water bodies of g features that contr se features would be e development, it is	he site as being within a wide gap betwee eparation of these settlements. In addition B14. This would reduce the likelihood of hat Prescot and Whiston are within the li- ch forms part of the site, is however iden nt (2006) notes that the former Halsnear a gate house, and small woodland clum he presence of significant built developm on site will be retained, managed and ge ibute to landscape character such as bo e retained. Consequently, and taking intr considered that the proposals would ha there is only limited certainty over the in	on, it recognises that the site would be if urther expansion into the Green Belt. Lancashire Coal Measures landscape ntified by this strategy as one of only d Estate is defined by the existence of ps. It is considered that these nent within their vicinity are likely to enerally improved in terms of physical bundary walls and gate houses. At this o account the landscape value of parts ve a negative impact on this objective.				

KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road											
		Timescale	•			Nature of Eff	iect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	proposals I Old Wood developabl these mitig result in so have a neg	ntains a nun may result in and Big Wat le area and t ation measu me addition gative impact	the loss of s er). It is reco he proposers res it is cons pressure on c on this obje	some of this priorit gnised that the ide of the site have s idered that the pri- these resources of ctive. Nevertheles	ty habitat or pla entified capacit stated that the oposals could h due to more inte ss, in the absen	ce additional pressu y of the site has bee mature tree planting have a significant ne ensive recreational u ce of detailed ecologi	Wildlife Site (Cronton Mineral Line) and ure on the LWS. It is also noted that the en derived from the assumption that the g and hydrological structures on the site egative impact on these assets and it is use. Consequently, it is considered that gical surveys to establish the potential i	site is adjacent to further LWSs (The LWS will be excluded from the will be retained. In the absence of recognised that the proposals may still the proposals have the potential to			

KGB 16 - Land to the sour	th of Whi	ston (Pha	ase 1), W	indy Arbor F	Road				
		Timescale	)						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
E3. To adapt to climate change including flood risk.	<u>Comments</u> The Strate exacerbate capacity of	<u>s:</u> gic Flood Rised by climate f the site has	 sk Assessme change and been derive	l this part of the si d from the assum	te should only ption that the p	be considered for de portion of the site with	section of the site is within Flood Zone evelopment as part of a sequential app hin Flood Zones 2 and 3 will be exclude		
	unless this is the case, and the other identified mitigation measures are implemented, the proposals could have a negative impact on the objective and its sub- objective of reducing flood risk. The Preliminary Flood Risk Assessment (PFRA) (2011) indicates that the site also falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a lack of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding. Nonetheless, the proposals would result in a significant area of greenfield land being replaced with built development which may have an adverse impact on levels of surface water run-off if suitable measures are not implemented, such as sustainable drainage systems. The proposals would also result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.								

KGB 16 - Land to the sout				indy Arbor F	Road					
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	-	-	Low	Local	Long term	Negative Secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change, including exploring the opportunities for incorporating decentralised energy systems on large sites such as this.		
	Comments: The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that ther policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency and it is recognised that the proposers of the site have stated that the site may offer opportunities for decentralised energy systems due to the quantum of development proposed. It is however recognised that there is presently no certainty that such systems would be incorporated into the proposals for the site and it is noted that the Knowsley Renewable and Low Carbon Energy Options study (2009) considered that a purely residential development of the area would be unlikely to readily lend itself to a district heating opportunity. In addition, the site is not located within a 'Priority Zone' for renewabl and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is therefore unlikely to deliver a reduction in carbo emissions beyond those required by Local Plan policies.  The proposals are likely to result in an increase in traffic in the immediate surrounding area. It is however noted that there are a range of local facilities and amenities that are readily accessible from sections of the site including primary schools, a GP and health centre and a local shopping centre on Greene's Road. It is also recognised that there are existing employment areas located in close proximity to employment sites, such as the industrial and business estate on the opposite side of Windy Arbor Road and Huyton Business Park which may reduce the need to travel for work. Whilst these community facilities and the provision of new bus routes through the site and that the development would be designed to encourage walking and cycling. The development therefore has the potential to encourage sustainable modes o									

KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road											
		Timescale	)			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Low	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies in the Core Strategy should seek to retain areas of woodland			
	Comments: The proposals would result in the loss of substantial area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network. In particular, it is noted that the site is within the Whiston to Cronton Corridor 'Strategic Green Link' which was identified as one of the Borough's important strategic greenspace linkages in the Core Strategy Preferred Options report. Consequently, notwithstanding the fact that the proposer of the site has stated that the mature tree planting and hydrological structures on the site will be retained, it is considered that the proposals have the potential to have a negative impact on this objective.										
E6. To protect, manage and restore land and soil quality.	-	-	-	Low	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.			
	<u>Comments:</u> The proposals would result in the loss of a substantial greenfield site. It is also noted that the majority of the site is classified as Grade 2 Best and Most Versatile agricultural land. It is therefore considered that the proposals have the potential to have a significant negative impact on this objective and also on the sub-objective of directing new housing to previously developed land. It is however noted that a small part of the site have been previously developed and, particularly the former nursery at the north of the site, have a derelict appearance. Accordingly, the proposals would have some positive effect on the objective of reducing the amount of derelict land. It is however considered that, on balance, the proposals would overall have a negative impact on the objective due to the amount of greenfield, Best and Most Versatile land that would be lost.										
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	adversely a	in close prox affect water of	quality unless				Secondary impacts on biodiversity ing development to locations close to th wever recognised that there is limited c				

SA Objective		Timescale	•							
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E8. To protect, and where necessary, improve local air quality.	-	-	-	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the ain of ensuring that new development caters for an appropriate range and choice of transport options. Other policies in the Core Strategy should seek to retain trees and		
	Comments:         The site is not within an Air Quality Management Area and it is noted that there are a range of local facilities and amenities that are readily accessible from sections of the site including primary schools, a GP and health centre and a local shopping centre on Greene's Road. It is also recognised that there are existing employment areas located in close proximity to employment sites, such as the industrial and business estate on the opposite side of Windy Arbor Road and Huyton Business Part which may reduce the need to travel for work. Nevertheless, these community facilities are some distance from the eastern and southern sections of the site and only the northern sections of the site are within 800m of Whiston railway station and not all of the site is in close proximity to the existing bus routes on Windy Arbor Road and Lickers Lane. The proposer of the site has also stated that the proposals would include on-site facilities, the provision of new bus routes through the site and that the development would be designed to encourage walking and cycling. Nevertheless, at this stage there is limited certainty about what facilities would be provided and due to quantum of development proposed and the number of trips it is likely to generate, it is considered that the proposals have the potential to have some negative impact on the objective.									
	, i i i i i i i i i i i i i i i i i i i	0	0	Medium	N/A	N/A				

KGB 16 - Land to the sout	h of Whi	ston (Pha	ase 1), W	indy Arbor I	Road					
	Timescale									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	?       ?       Low       Local       Long term       Secondary impacts on air quality and greenhouse gas emissions       Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.         Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the air of ensuring that new development caters for an appropriate range and choice of transport options.       Other policies in the core Strategy and the "Ensuring a Choice of Travel" SPD should support the air of ensuring that new development caters for an appropriate range and choice of transport options.									
	shopping c industrial a these com railway sta The propos be designed	entre on Gre nd business munity faciliti tion and not ser of the site d to encoura	eene's Road estate on th es are some all of the site e has stated ige walking	. It is also recogni te opposite side o e distance from th e is in close proxir that the proposal and cycling. It is h	sed that there a f Windy Arbor F e eastern and s nity to the exist s would include owever consid	are existing employr Road and Huyton Bu southern sections of ing bus routes on W e on-site facilities, the ered that at this stag	ons of the site including primary schools nent areas located in close proximity to usiness Park which may reduce the nee the site and only the northern sections /indy Arbor Road and Lickers Lane. e provision of new bus routes through t ge there is limited certainty over what fa The impact of the proposals on the obj	employment sites, such as the ed to travel for work. Nevertheless, of the site are within 800m of Whiston he site and that the development would icilities would be provided on site and		
E11. To minimise the production	0	0	0	Medium	N/A	N/A				
of waste and increase reuse,	Comments	-		-1-						
recycling and recovery rates.	Unlikely to	have any sig	inificant effe	CIS.						
Economic										

KGB 16 - Land to the sout	h of Whi	ston (Pha	ase 1), W	indy Arbor F	Road					
		Timescale	•			fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.		sals for the s					Contribution to overall pool of jobs in the Borough Together with the proposals for KGB14 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support regeneration. e of a scale where they may encourage a.	further investment in the area,		
EC2. To enhance the vitality and viability of town and local centres.	The propo	sustaining existing local employment and also potentially bringing new jobs into the area.         +       +       Medium       Local       Long term       Enhanced perceptions of the area.         Comments:       The proposals are of a scale where they could generate additional expenditure which could have a positive impact on the vitality and viability of Knowsley's town centres and the local centre on Greene's Road.								
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	+       +       +       Medium       More than local       Long term       Secondary impacts on deprivation and quality of life.         Comments:       Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore housing local employment and also potentially bringing new jobs into the area.									
Sustainability Summary	•				·					

KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road											
	Timescale Nature of Effect										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			

As with the other proposals for land to the south of Whiston, the potential development of the location at Windy Arbor Road would have a positive impact on a significant number of objectives. In particular, given the scale of the potential development in this location, it is considered that it could make an important contribution to housing needs identified in the Strategic Housing Market Assessment (2010) and have a significant positive impact on the objective relating to providing good quality, affordable and resource efficient housing; and its sub-objective or providing a wider choice of accommodation to create a greater tenure mix.

The quantum of development that could be delivered in this location is considered to be of a scale which could generate a number of employment and training opportunities during the construction of the development. It is therefore considered that potential development in this location would have some positive impact on the objectives relating to reducing poverty and social deprivation; improving training and opportunities for lifelong learning; and reducing unemployment. Furthermore, the potential development in this location may encourage further investment in the area, helping to sustain existing local employment and facilities and resulting in a positive impact on the objectives that are concerned with business growth; and the vitality and viability of town and local centres. The potential development could also have some positive impact on the objectives relating to health; and improving access to goods, services and amenities.

The appraisal of this location did however identify a number of potential negative impacts on the sustainability objectives. In particular, the significant area of greenfield land that would be lost, together with the potential impact on priority habitat and Local Wildlife Sites that are within and adjacent to the location, resulted in the potential development being considered to have a negative impact on the objectives relating to protecting land and soil; biodiversity, species and habitats; mitigating climate change; and conserving green infrastructure. It may not be possible to entirely mitigate the impact of development in this location on some of these objectives, for instance due to the amount of greenfield land that would be lost it is considered that development in this location would inevitably have a negative impact on the objective relating to protecting land and soil and its sub-objective of directing new housing to previously developed land. However, it may be possible to mitigate negative impacts of development in this location on other objectives, such as the objective relating to biodiversity through for example undertaking appropriate ecological surveys, protecting areas of woodland and securing appropriate buffers around the Local Wildlife Sites that are within/adjoin this location.

The possible impact of development in this location on a listed building within the location result in the proposals having the potential to have a negative impact on the objective that seeks to preserve, enhance and manage built heritage. It is however acknowledged that due to this feature being located on the edge of what is a very large site there may be some scope to provide adequate buffers around this heritage asset in order to protect its setting and ensure that any development that takes place in this location does not have a negative impact on this objective. As a result, there is only a limited level of certainty that development in this location would have a negative impact on this objective. Given the landscape value of parts of the site and the area of greenfield land that would be lost as part of the development, it is considered that the potential development of this location could have a negative impact on the objective relating to protecting local landscape character. Whilst it would not be possible to entirely mitigate the impact on this objective, the degree of impact could be reduced to an extent by ensuring the retention of existing trees and, where possible, seeking to protect the setting of the remnants of the former Halsnead Estate.

It is also considered that development in this location is likely to have a significant negative impact on the objective of adapting to climate change. This is due to the area of greenfield land that would be lost and also reflects the fact that a portion of the location is within Flood Zones 2 and 3, as defined by the Strategic Flood Risk Assessment, and the location is also within an area that has been identified by the Preliminary Flood Risk Assessment as being susceptible to ground water flooding. It may be possible to entirely mitigate some of these impacts. For instance, as only a small proportion of the location is within Flood Zones 2 and 3, the application of the sequential and exception tests, and, if necessary, excluding parts of the site at greatest risk of flooding from the developable area would mitigate some of this impact.

KGB 16 - Land to the south of Whiston (Phase 1), Windy Arbor Road										
	Timescale					fect				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $										
Other key mitigation measures to reduce the impact on this objective are likely to include undertaking more detailed flood risk assessments and applying appropriate measures to mitigate flood risk such as the use of Sustainable Drainage Systems.										
The potential development of this location could also have some negative impact on the objectives relating to mitigating climate change; and protecting air quality and an uncertain impact on the objectives relating to reducing the need to travel and water quality. It is however acknowledged that there is only a limited degree of certainty that development in this location would have a negative impact on the objectives relating to mitigating climate change; and protecting air quality.										

 Key for effects

 ++ major positive;
 + minor positive;
 0 neutral;
 - minor negative;
 - major negative;
 ? uncertain

KGB 7 - Land at Knowsley	KGB 7 - Land at Knowsley Lane, to the north of Huyton											
	Timescale					Nature of Eff	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Social												
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Medium	Local	Long term	Cumulative impact with the North Huyton regeneration programme on levels of deprivation and perceptions of the area.	Ensure proposals incorporate effective linkages to the North Huyton / Stockbridge Village to maximise the contribution of development in this location to the regeneration of this area.				
	<u>Comments:</u> Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has to potential to have some positive impact on social deprivation and economic inclusion. In addition, the proposals could provide high quality employment premises and may generate a range of employment opportunities that are in close proximity to North Huyton which is one of the more deprived areas of Knowsley and identified a regeneration Action Area in the UDP. It is however recognised that physical proximity to employment areas is not the sole factor that influences economic inclusion and, as a result, there is only a medium level of certainty that the proposals would have a positive impact on this objective and the sub-objective of improving the overall Index of Multiple Deprivation rating of the Borough.											
S2. To improve local accessibility of goods, services	+	+	+	Low	Local	Long term		Retain sports pitches or secure alternative provision				

KGB 7 - Land at Knowsle	y Lane, to	o the nor	th of Huy	rton														
		Timescale	9			Nature of Ef	fect											
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation										
and amenities and reduce community severance.	south, a G may facilita majority of Helens. Th services an that the pro- The site ac recognised assumption would adve On balance of this spor	a range of lo P and health ate the provis the site is al proposal v nd facilities a posals have ccommodate t that, as sta n that this fa ersely affect e, it is consid	centre withi sion of on-sit so within 20 vould therefor and the scale the potentia s football pitt ted in the Dr cility would b the performation dered that the therefore co	n 500m of the site e services and an 0m of Knowsley L ore lead to the pro e of development p al to have a positiv ches which were a aft Knowsley and be retained. It is co ance of the propos	and a leisure nenities but it is ane which provision of housin proposed could ve impact on th assessed by the Sefton Green E onsidered that us sals against this gnificant number	centre 700m to the s at present uncertaining a location whice also help ensure the objective of impro- e Green Space Aud Belt Study – Knowsl unless these sports s objective.	te including Longview Community prima south of the site. It is also recognised the in whether such facilities would be incor- service to destinations including Rainhill, th would provide the future occupants of the continued viability of these services and ving accessibility of goods, services and ving accessibility of goods, services and it (2012) and considered to be a large si ey Report (2011), the indicative capacity pitches are excluded from the developal in easy reach of a range of services and positive impact on this objective but it is	at the proposals are of a scale which porated into the proposals. The , Huyton Industrial Estate and St the site with easy access to existing and facilities. It is therefore considered a amenities. cale provision of good quality. It is y for the site is based upon the ble area, the loss of these facilities facilities is likely to outweigh the loss										
S3. To improve safety and	0	0	0	Medium	N/A	N/A												
reduce crime, disorder and fear of crime.		-		cts. Other policies	in the Core St	rategy are likely to e	ensure that all new development is desig	gned in a way that reduces										
S4. To support voluntary and	0	0	0	Medium	N/A	N/A												
community networks, assist social inclusion and ensure community involvement in decision making.	Comments: Unlikely to have any significant effects.										Comments:							
S5. To improve health and reduce health inequalities.	-	-	-	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site public open space, the provision of a replacement sports pitch and, if required, appropriate on-site health facilities										

KGB 7 - Land at Knowsley	v Lane, to	the nor	th of Huy	ton							
	-	Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	Comments: The proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be incorporated into the proposals. The proposals would however result in the loss of a substantial area of greenspace, sections of which are used for informal recreation. The site also accommodates football pitches which were assessed by the Green Space Audit (2012) and considered to be a large scale provision of good quality. It is recognised that, as stated in the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the indicative capacity for the site is based upon the assumption that this facility would be retained and it is considered that unless these sports pitches are excluded from the developable area or suitable replacement provision is made, the proposals could reduce opportunities for participation in sport and thereby have a negative impact on the objective. It is however recognised that there is only a low level of certainty about this impact.										
S6. To provide good quality, affordable and resource efficient housing.	+	+	++	Medium	Local	Long term	Cumulative impact with other developments on securing a more balanced housing market.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.			
	<u>Comments:</u> Given the substantial capacity of the site, it is considered that the proposals for Land at Knowsley Lane would have a major positive impact on the objective of providing good quality housing. The proposals could also have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix, which is particularly important for this area given that the Strategic Housing Market Assessment (2010) identified that the proportion of the housing stock in North Huyton that is socially rented is over double the national, North West and Merseyside averages. The large capacity of the site is also likely to have a positive influence on the financial viability of affordable housing on site. It is however recognised that the proximity to the M57 motorway may provide a poor environment for the occupiers of any dwellings positioned at the northern part of the site.										
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Medium	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.				
learning and employability.	<u>Comments:</u> Given the scale of the proposals, it is considered that they have the potential to generate a significant number of new jobs and training opportunities both during the construction and operation of the development. In addition, the development of this site for residential purposes will provide additional members of the working age population and could support the continued viability of existing education and training facilities. The proposals are therefore likely to have some positive impact on this objective. It is also considered that the proposals are of a scale where they may result in the provision of on-site education facilities or result in improvements to the local public transport system which could enhance the physical accessibility of existing educational and training opportunities.										

KGB 7 - Land at Knowsley Lane, to the north of Huyton												
	-	Timescale	)			Nature of Eff	ect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an assessment of the proposals on these heritage assets and, if appropriate, incorporate measures to protect their setting such as landscaping or the creation of a suitable buffer.				
	the setting further two	<u>Comments:</u> There are two Grade II listed buildings and an Archaeological Site within the site. It is considered that the proposals have the potential to have a negative impact on the setting of these assets and thereby have an adverse impact on the objective. It is also noted that there is a Historic Park/Garden (Knowsley Hall and Estate) and a further two Archaeological Sites to the north. Nevertheless, it is recognised that the presence of the M57 Motorway between the site and these heritage assets reduces the likelihood of the proposals affecting the significance of this particular asset.										
Environment												
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Low	Local	Long term	Secondary impacts on perceptions of the area.	Other policies of the Core Strategy should seek to retain existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character				
	<u>Comments:</u> The protected landscape of Knowsley Hall and Garden is located to the north of the site although, as acknowledged by the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the impact of the proposals on this area is lessened by the fact that the site is separated from Knowsley Hall and Garden by the M57 motorway. The proposals would however result in the loss of a significant predominantly greenfield site along the northern boundary of Huyton. Given the scale of development proposed, it is considered that this could have a significant detrimental impact on the landscape character of the local area and, in particular, would fundamentally change the semi-rural character of the landscape of the eastern part of the site which is presently in agricultural use. The site contains a number of areas of mature trees, some of which are protected by Tree Preservation Order, and the loss of these could also have a significant impact on the landscape character of the area. It is therefore considered that the proposals have the potential to have a negative impact on the objective unless the identified mitigation measures are implemented. It is however considered that the certainty of this impact is reduced by the fact that the landscape character of the site is already influenced by its adjacency to the M57 motorway.											

KGB 7 - Land at Knowsley				ton				
	Timescale			Nature of Effect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	proposals the identifie	at Knowsley for the site ha	ave the poter measures a	ntial to have a ne re implemented. I n value there car	gative impact o t is however ac	n the objective and i knowledged that in I certainty about the	tions of Priority Habitat (woodland). It is ts sub-objective of conserving and enha the absence of detailed ecological surv ir impact on this objective.	ancing the natural environment unless eys to establish the potential impact of
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.

KGB 7 - Land at Knowsley	GB 7 - Land at Knowsley Lane, to the north of Huyton												
	-	Timescale	Э										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFR, (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are lik suffer the consequences of groundwater flooding. Nonetheless, the proposals would result in a significant area of greenfield land being replaced with built development which may have an adverse impact on levels of surface water run-off if suitable measures are not implemented, such as sustainable drainage systems would however result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temper associated with climate change.												
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	<ul> <li> Low Local Long term Negative secondary impacts associated with climate change, will ensure that devine oppoint incorporate approprint incorporate approprint incorporating dece systems on large s</li> </ul>												

KGB 7 - Land at Knowsley	y Lane, to	o the nor	th of Huy	rton						
		Timescale	<b>;</b>			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	<ul> <li><u>Comments:</u>         The construction and operation of this development would inevitably result in some carbon emissions and they could also result in the loss of trees which contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implemented to retain on-site trees or secure adequate replacement planting, it is recognised that the proposals have the potential to have a negative implementing district heating. It is therefore unlikely to ensure that all new development is designed in a way to maximise efficiency. The site is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) and it is not in particularly close proximity to deliver a reduction in carbon emissions beyond those required by Local Plan potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyond those required by Local Plan potential location which is within 500m of the site and a leisure centre 700m to the south</li></ul>									
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy should secure the provision of appropriate on-site open space and the retention of areas of woodland Retain access through the site to Knowsley Park and the provision of green corridors through the site		

KGB 7 - Land at Knowsley	KGB 7 - Land at Knowsley Lane, to the north of Huyton											
		Timescale	)			fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
	<u>Comments:</u> The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of substantial area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network. The proposals may also impact upon the areas of Priority Habitat within the site unless the identified mitigation measures are implemented. It is therefore considered that they could have a negative impact on the objective and the sub-objective of improving the size and quality of the Ecological Framework.											
E6. To protect, manage and restore land and soil quality.	-	-		Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.				
	The proposals would result in the loss of a large predominantly greenfield site. It is also noted that part of the northern section of the site is classified as Grade 3 Best and Most Versatile agricultural land and that parts of the site are presently within agricultural use. It is therefore considered that the proposals have the potential to have a significant negative impact on this objective and also on the sub-objective of directing new housing to previously developed land.											
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	0     0     Medium     N/A       Comments: Unlikely to have any significant effects.											

KGB 7 - Land at Knowsley	/ Lane, to	the nor	th of Huy	ton				
		Timescale	•					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E8. To protect, and where necessary, improve local air quality.	-	-	-	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options. Other policies in the Core Strategy should seek to retain trees and areas of woodland.

KGB 7 - Land at Knowsley	/ Lane, to	the nor	th of Huy	rton				
	-	Timescale	Э			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Comments: The site is not within an Air Quality Management Area and there are a range of local facilities and amenities that are readily accessible from the site includin Longview Community primary school which borders the site to the south, a GP and health centre within 500m of the site and a leisure centre 700m to the si site. It is also recognised that the proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain v such facilities would be incorporated into the proposals. The majority of the site is also within 200m of Knowsley Lane which provides a regular bus service to destinations including Rainhill, Huyton Industrial Estat Helens. The proposal would therefore lead to the provision of housing in a location which is within walking distance of a range of community facilities and en- opportunities that are well-related to existing and proposed areas of housing and reasonably accessible by a choice of means of transport. It is therefore en- that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes, including walking and cycling, and Nevertheless, notwithstanding the scope for the development to encourage the use of sustainable transport modes, due to the quantum of development the are likely to result in a considerable increase in traffic in the immediate surrounding area. The proposals may result in the loss of areas of woodland and it is recognised that trees can have a positive influence on air quality by removing pollutants from the atmosphere. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the poto- have a negative impact on this objective but it is acknowledged that there is only a limited level of certainty about this impact.							
E9. To use water and mineral	0	0	0	Medium	N/A	N/A		
resources prudently and efficiently.	Comments Unlikely to		gnificant effe	cts.				
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	+	+	+	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.

KGB 7 - Land at Knowsley	/ Lane, to	the nor	th of Huy	rton							
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	Comments: There are a range of local facilities and amenities that are readily accessible from the site including Longview Community primary school which borders the si south, a GP and health centre within 500m of the site and a leisure centre 700m to the south of the site. It is also recognised that the proposals are of a scale may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be incorporated into the proposals. The majority of the site is also within 200m of Knowsley Lane which provides a regular bus service to destinations including Rainhill, Huyton Industrial Estate and Helens. The proposal would therefore lead to the provision of housing in a location which is within walking distance of a range of community facilities and emp opportunities that are well-related to existing and proposed areas of housing and reasonably accessible by a choice of means of transport. It is therefore envisite that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes, including walking and cycling, and the have a positive impact on this objective. It is however recognised that the proximity of the site to the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel.										
E11. To minimise the production	0	0	0	Medium	N/A	N/A					
of waste and increase reuse,	-	<u>Comments:</u> Unlikely to have any significant effects.									
recycling and recovery rates.	Unlikely to	have any sig	gnificant effe	cts.							
Economic	1		1								
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	+	+	++	Low	More than local	Long term	Contribution to overall pool of jobs in the Borough	Ensure proposals incorporate effective linkages to the North Huyton / Stockbridge Village to maximise the contribution of development in this location to the regeneration of this area.			
EC2. To enhance the vitality and viability of town and local centres.	the area. It new busine fact that th	sals could re is therefore esses and in e site's proxi	considered creasing the mity to resid	that the proposals amount of indust	s have the pote rial / commercia limit its suitabili	ntial to have a positi al floorspace. Never ty for certain employ	ive impact on the objective and the sul	usinesses and stimulate investment in p-objectives of increasing the number of irtainty of this impact is reduced by the ated in close proximity to the M62			

KGB 7 - Land at Knowsley	and at Knowsley Lane, to the north of Huyton											
	-	Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	Stockbridge Village to maximise the contribution of development in this location to the regeneration of this area.											
	Comments: Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has potential to have some positive impact on the objective. The proposals could also provide a range of high quality employment premises. This would provide accommodation for new businesses and would generate a range of employment opportunities that are in close proximity to North Huyton which is identified in the UDP as a regeneration Action Area that is one of the more deprived areas of Knowsley. It is therefore considered that the proposals would offer the potential to have a positive impact on the objective and its sub-objective reducing unemployment.											
Sustainability Summary	•	-	•									

KGB 7 - Land at Knowsley Lane, to the north of Huyton												
Timescale Nature of Effect												
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				

The potential development of the Land at Knowsley Lane could have a positive impact on a wide range of objectives. In particular, through the delivery of a substantial number of dwellings and a range of employment premises, it is envisaged that development in this location could have a major positive impact on the objectives relating to providing good quality, affordable and resource efficient housing; and business growth. In particular, development in this location could provide a mix of new development which complements the regeneration of North Huyton and help achieve a wider choice of accommodation in the area, which is particularly important given that the Strategic Housing Market Assessment (2010) identified that the proportion of the housing stock in North Huyton that is socially rented is over double the national, North West and Merseyside averages.

Development in this location would also result in the generation of a range of employment opportunities, both during the construction and operation of the development, in a location that is well-related to areas of deprivation. Consequently, it is envisaged that development in this location could also have a major positive impact on the objectives of reducing unemployment; and reducing poverty and social deprivation and securing economic inclusion. Due to the scale of the development that could be delivered, it is considered that the potential development in this location would be likely to generate additional expenditure in the Prescot and Huyton town centres and, as a result, have a major positive impact on the objective relating to enhancing the vitality and viability of Knowsley's town centres. Other objectives that the proposals are likely to have a positive impact on include those which relate to improving local accessibility of goods, services and amenities; reducing the need to travel; and improving educational attainment, training and opportunities for lifelong learning.

The potential development in this location would however have a negative impact on a number of objectives. In particular, due to the scale of greenfield land that would be lost, including Grade 3 Best and Most Versatile agricultural land, it is considered that development in this location would have a significant negative impact on the objective of protecting land and soil and its sub-objective of directing housing to previously developed land. Whilst the impact on this objective cannot in itself be mitigated as any built development in this location would inevitably lead to the loss of greenfield land and Best and Most Versatile agricultural land, ensuring that any development in this location is built to an appropriate density could help minimise the loss of further greenfield sites and Best and Most Versatile agricultural land.

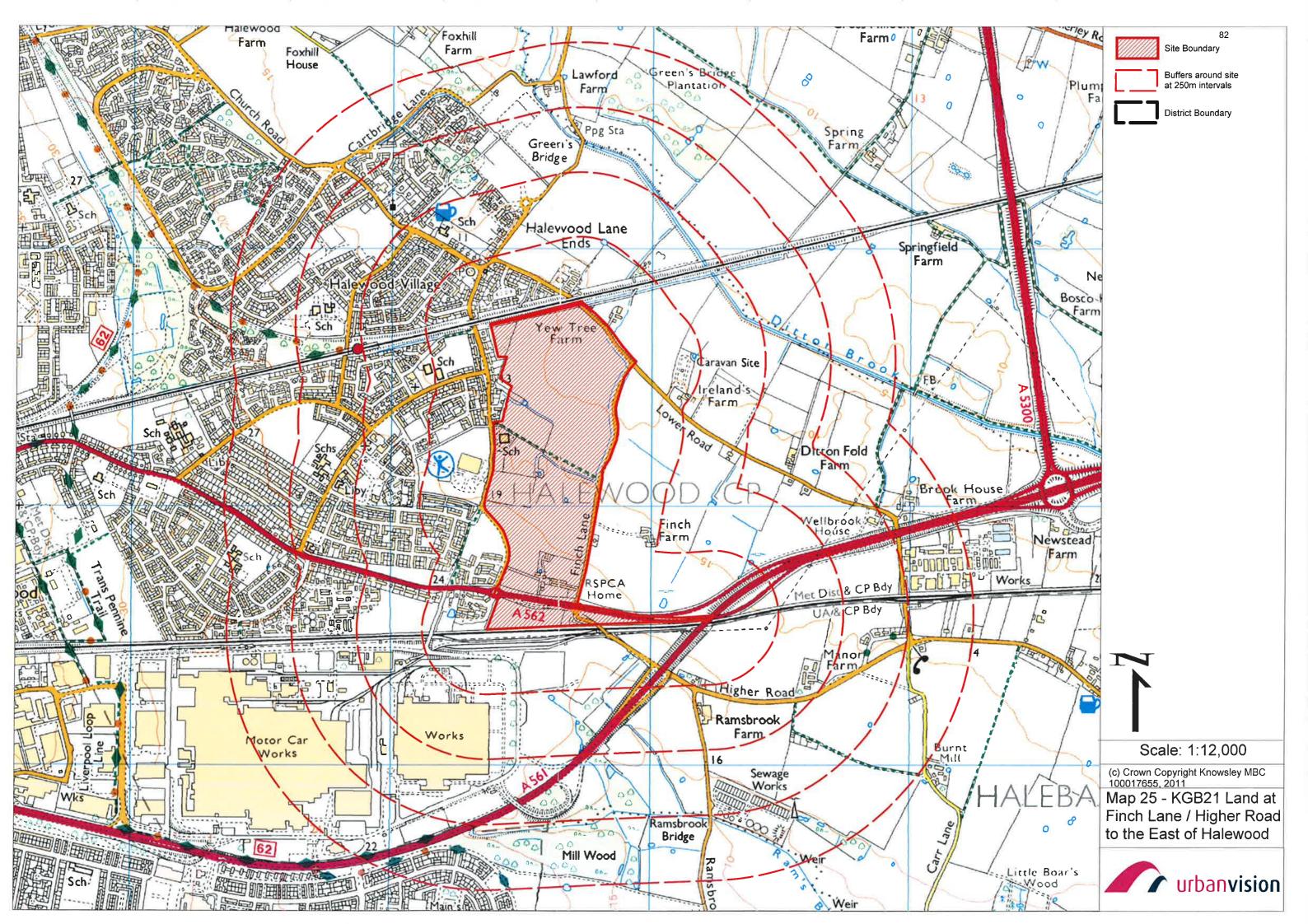
The loss of this area of open space and potentially also the areas of woodland and sports pitches within the site would mean that development in this location would also have the potential to have a negative impact on the objectives relating to landscape character; biodiversity; health; and green infrastructure. Some of these impacts could be effectively mitigated. For instance, the retention of the existing sports pitches or the provision of a suitable alternative pitches could successfully mitigate any negative impact of development in this location on the objective relating to health. In addition, as much of the areas of woodland are located around the perimeter of the site it may be possible to mitigate some of the impact on the objectives relating to biodiversity and the local landscape character by retaining these areas of woodland. Other key mitigation measures to reduce the degree of impact on these objectives include undertaking ecological surveys and securing appropriate landscaping.

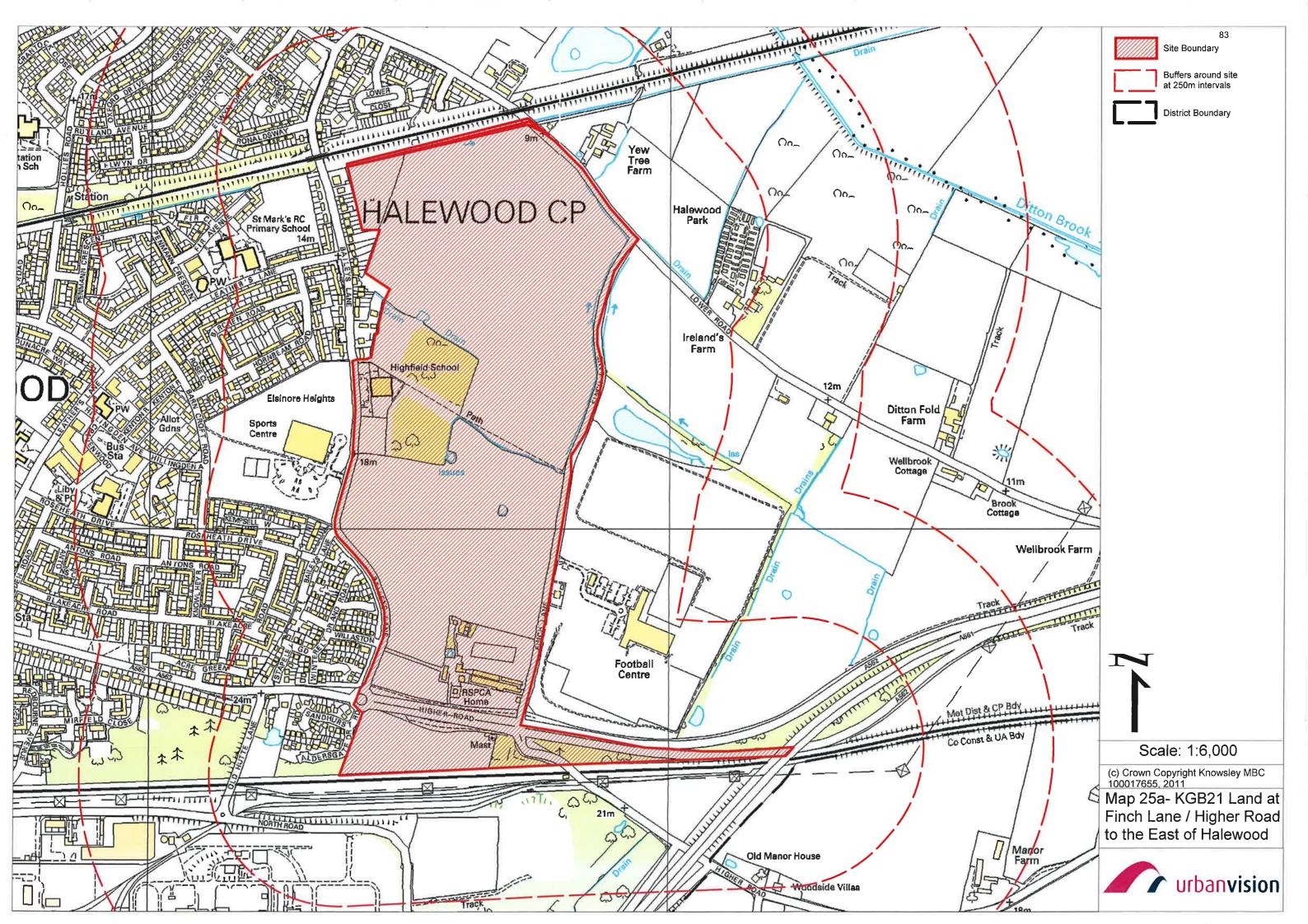
Notwithstanding the scope for the development to encourage the use of sustainable transport modes, due to the quantum of development it is considered that development in this location is likely to result in a considerable increase in traffic in the immediate surrounding area. It is therefore considered that the location also has the potential to have a negative impact on the objectives relating to air quality; and mitigating climate change. Securing improvements to the public transport network and ensuring that the development is accessible by a choice of means of transport are likely to be key measures to minimise any adverse impacts on these objectives.

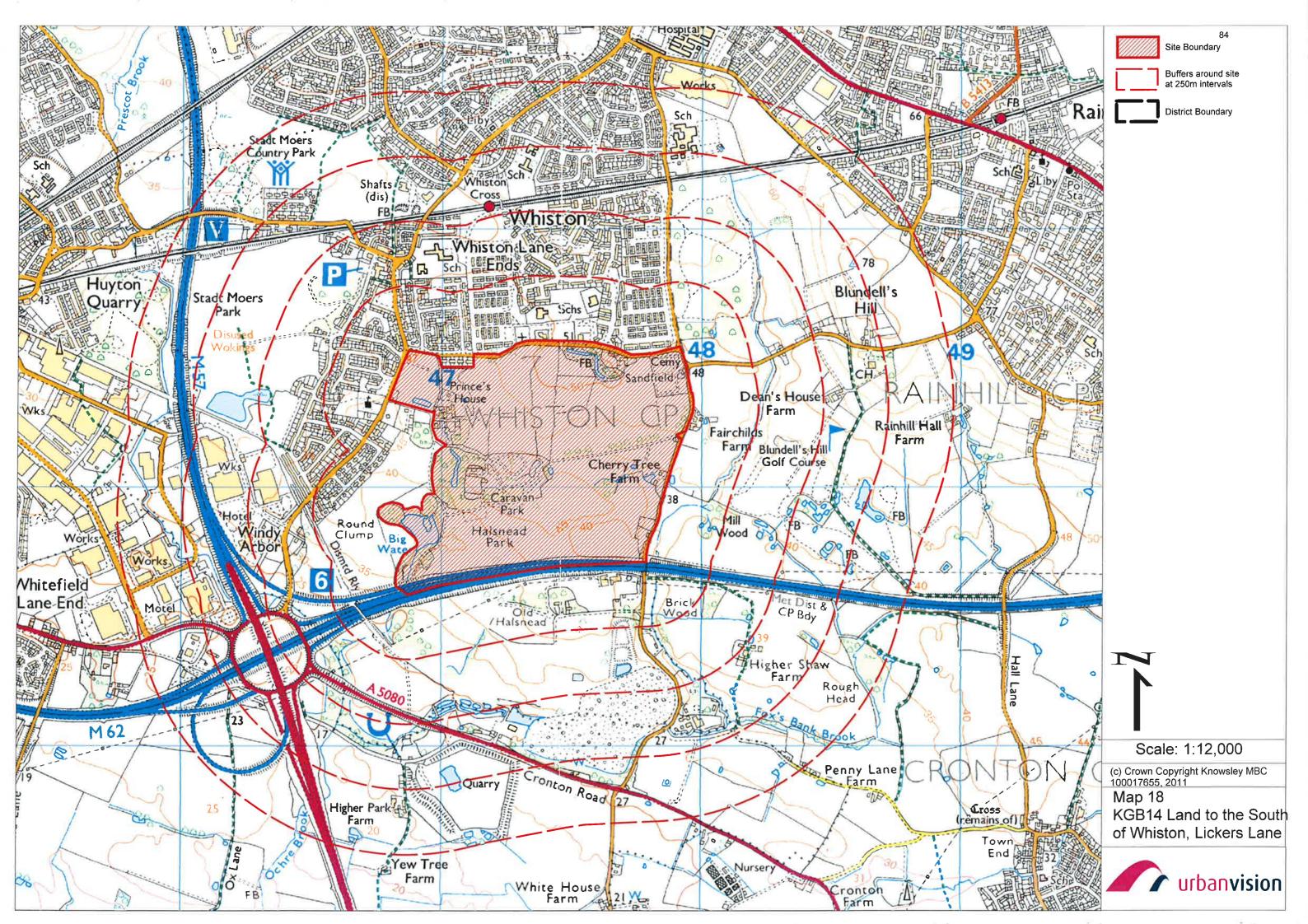
Key for effects++ major positive;+ minor positive;0 neutral;- minor negative;- major negative;? uncertain

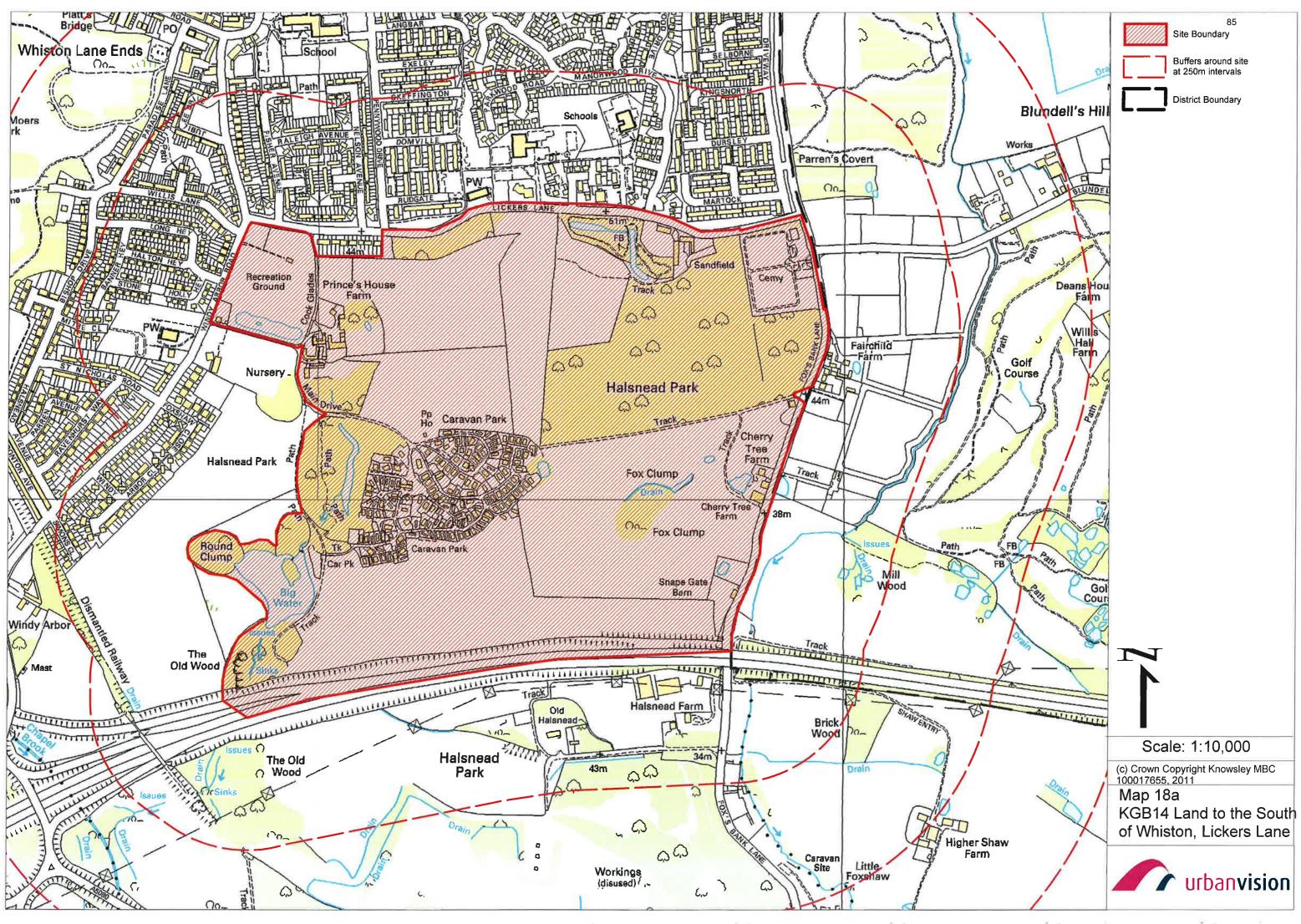
Appendix 4

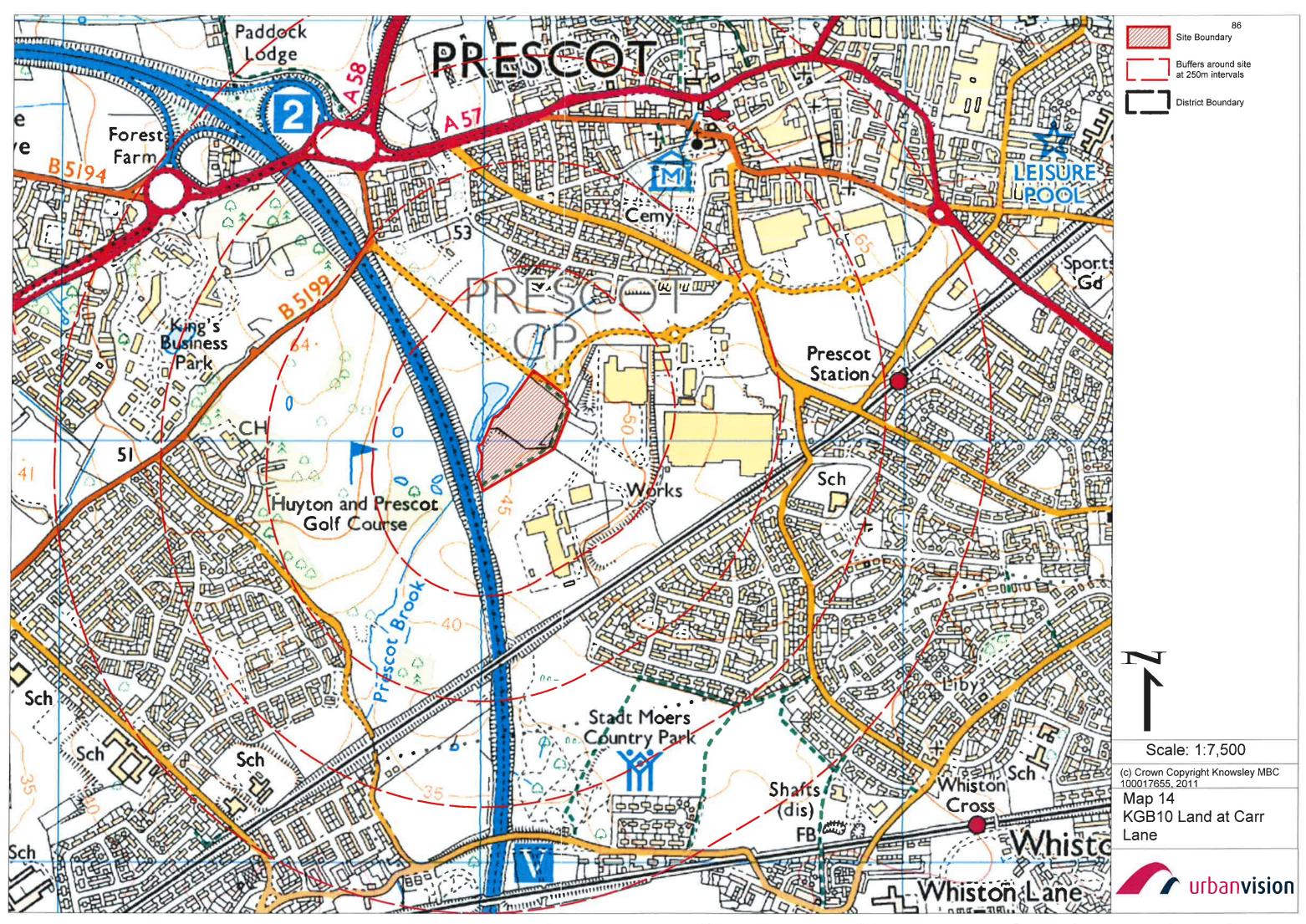
Tier Two Locations Maps

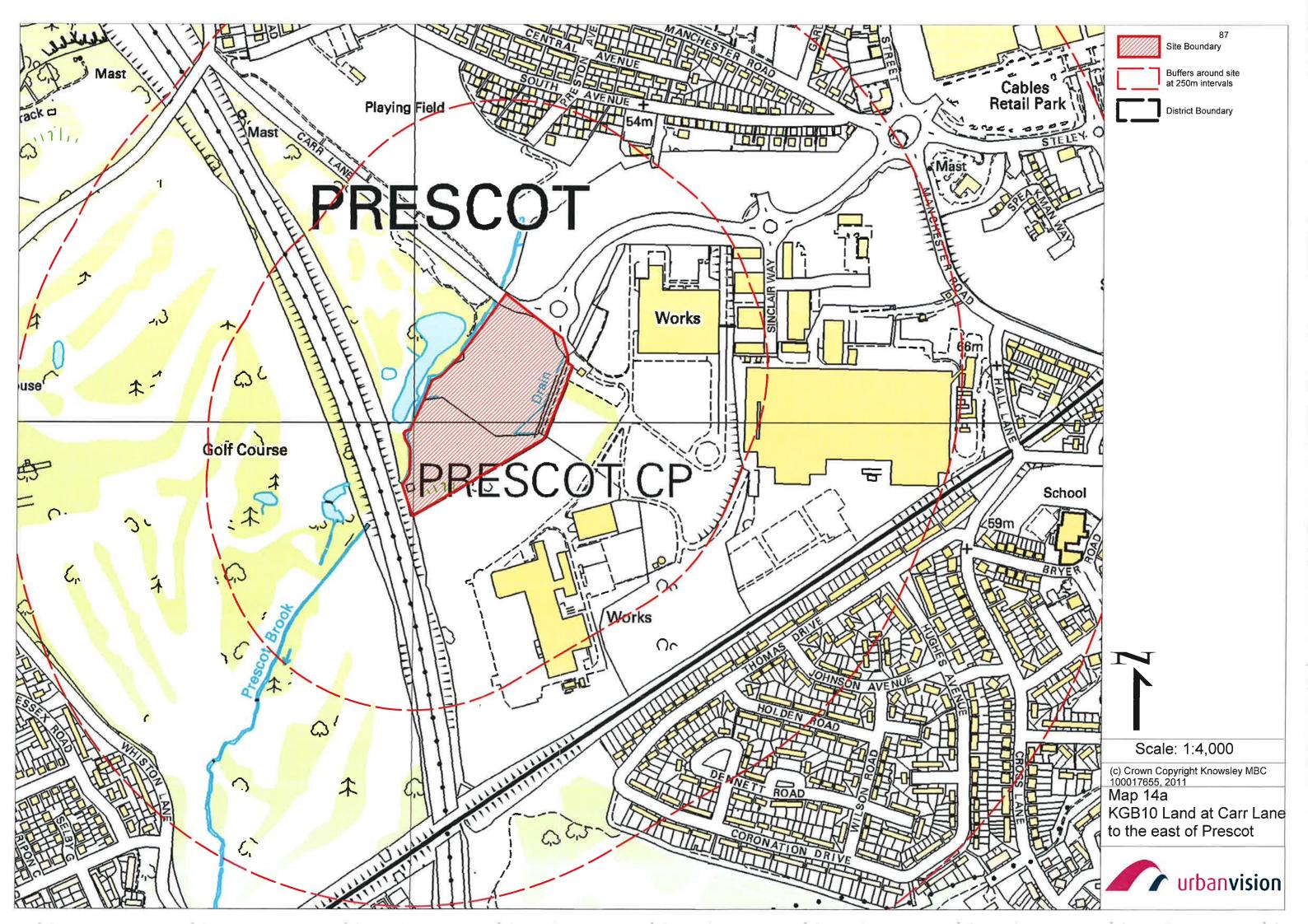


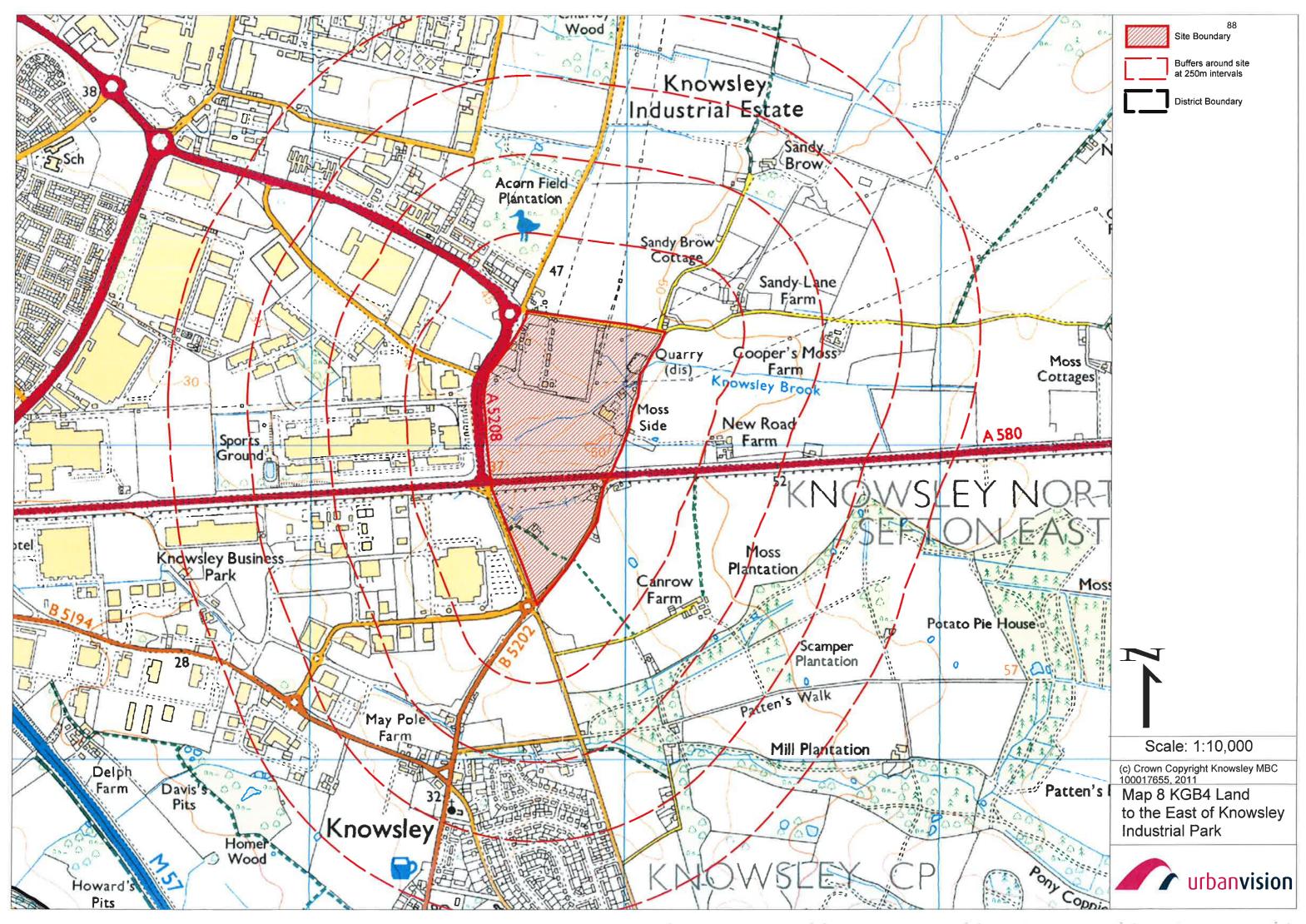


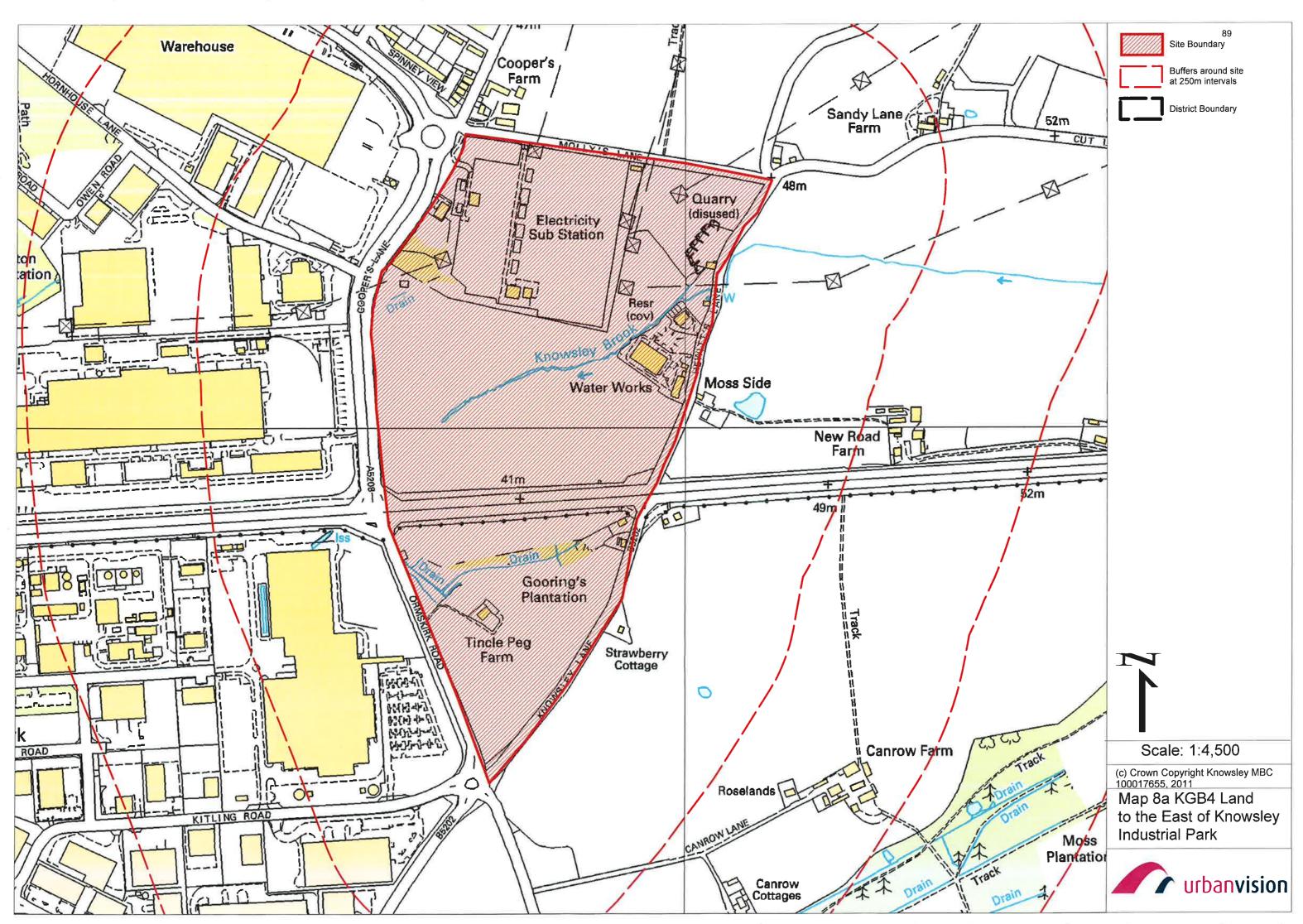












-

## Appendix 5

## Sustainability Appraisal of the Tier Two Locations

KGB 21 - Land at Finch La	ane / Higl	ner Road	, to the e	ast of Halew	/ood							
		Timescale	9			Nature of Ef						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Social	-					-	-					
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Medium	Local	Long term	Together with the proposals for KGB20, the proposals for the site could have a have a positive cumulative impact on investment in the area.					
	Comments: The site is not adjacent to an identified regeneration area. Nevertheless, due to the size of the area the delivery of additional dwellings may have a positive impact on											
						less, due to the size he construction sec		ellings may have a positive impact on				
S2. To improve local accessibility of goods, services	+	+	+	Low	Local	Long term						
and amenities and reduce community severance.	<u>Comments:</u> The proposals would result in the provision of housing in a location that is in close proximity of a number of local facilities, including a local shopping centre of Bailey's Lane, primary schools, a leisure centre and a GP and health centre. It is also recognised that the proposals are of a scale where they may facilitate improvements to the local transport network and incorporate additional on-site facilities although it is acknowledged that there is only limited certainty about impact at this stage. The proposal would therefore lead to the provision of housing in a location which would provide the future occupants of the site with ear to existing services and facilities by a choice of means of transport. The proposals would also make a contribution to the continued viability of these services facilities. It is however recognised that, given its scale, parts of the site are of some distance from these services and facilities which reduces the level of cert the proposals would have a positive impact on this objective.											
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments Unlikely to crime.		0 gnificant effe	Medium cts. Other policies	N/A s in the Core St	N/A rategy will ensure th	at all new development is designed in a	way that reduces opportunities for				
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.		have any si	0 0 O		N/A	N/A						
S5. To improve health and	0	0	0	Low	N/A	N/A						

KGB 21 - Land at Finch La	ne / High	ner Road	, to the e	ast of Halew	ood								
		<b>Fimescale</b>				Nature of Ef	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
reduce health inequalities.	The proposincorporate	<u>Comments:</u> The proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be incorporated into the proposals. It is however noted that a public right of way passes through the site and the proposals may result in its loss and thereby affect opportunities for informal recreation. Nevertheless, it is considered that the potential loss of this right of way is unlikely to have a significant impact on health.											
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	+ +	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.					
	Given the s of providing established Borough av accommod	<u>Comments:</u> Given the substantial capacity of the site, it is considered that the proposals for Land at Finch Lane / Higher Road would have a major positive impact on the objective of providing good quality housing. The proposals could contribute to the housing needs identified by the 2010 Strategic Housing Market Needs Assessment which established that the proportion of two- and three-bed properties in Halewood is below the borough average and that the area has average house prices above the Borough average and the highest entry level prices in the Borough. The proposals could also have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix and the relatively large capacity of the site may also have a positive influence the financial viability of affordable housing on site.											
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Low	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.						
learning and employability.													

KGB 21 - Land at Finch La	ane / High	ner Road	, to the e	ast of Halew	ood								
		Timescale	<b>)</b>			Nature of Eff	iect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites to establish the significance of these assets and, if appropriate, recommended measures to preserve or enhance them.					
	Halewood asset by ex such, the p that the eas impact upo	<u>Comments:</u> Halewood Conservation Area is situated to the north west of the site. It is however noted that the Land at Finch Lane / Higher Road is separated from this heritage asset by existing areas of housing. Accordingly, it is considered that the setting of the conservation area is already influenced by more modern development and, as such, the proposals for the Land at Finch Lane / Higher Road are unlikely to result in further detriment to the significance of this heritage asset. It is however noted that the eastern boundary of the site is formed by Finch Lane which is classified as an Archaeological Site and that the development proposed has the potential to impact upon this. It is however considered that there is only a low level of certainty about this potential impact due to the limited information available on this Archaeological Site.											
Environment													
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-			Medium	Local	Long term	Secondary impacts on perceptions of the area.	Other policies of the Core Strategy should seek to retain existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character					
	The Draft K site compri Urban Fring do not pres Halewood could have												

KGB 21 - Land at Finch La		Timescale				Nature of Effe				
SA Objective	0-5 5-10		10+	Certainty	Scale	Mitigation				
SA Objective	0 – 5 years	years	years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Miligation		
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	result, may	ntains section have some ecological si	negative imp	pact on the object	ive unless the	identified mitigation m	neasures are implemented. It is howe	Undertake ecological surveys. Exclude priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats and the retention of areas of woodland.		
E3. To adapt to climate change including flood risk.		-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk.		
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The proposals would however result in a significant area of greenfield land being replaced with built development which may have an adverse impact on levels of surface water run-off if suitable measures are not implemented, such as sustainable drainage systems. The proposals would also result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.									

		Timescale		ast of Halew		Nature of Eff	ect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	-	-	Low	Local	Long term	Secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change, including exploring the opportunities for incorporating decentralised energy systems on large sites such as this.	
	Comments: The construction and operation of this development would inevitably result in some carbon emissions and the proposals could result in the loss of trees which make contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Option study (2009) as a potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyond those required by Loc Plan policies. Although only the north westerly quarter of the site is within the Council's identified railway station buffer zone, an existing bus service operates along the sites southern, north western and north eastern boundaries. It is also recognised that the proposals are of a scale where they may facilitate improvements to the local transport network. The site is within reasonably close proximity of an established employment area and a number of local facilities, including a local shopping centre on Bailey's Lane, primary schools, a leisure centre 30m to the west of the site and a GP and health centre within 200m of the site. It is however noted that given it scale, not all parts of the site are located in close proximity to these features.								

KGB 21 - Land at Finch La	ne / Higl	ner Road	, to the e	ast of Halew	ood			
		Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies in the Core Strategy should seek to retain areas of woodland
	substantial	not within ar	enfield land w				referred Options report. The proposals v rough's Green Infrastructure network a	
E6. To protect, manage and restore land and soil quality.	-			Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
	Versatile a negative in	sals would re gricultural lan pact on this	nd and parts objective an	of the site are pre d also on the sub	esently within a -objective of di	gricultural use. It is trecting new housing	also noted that the majority of the site therefore considered that the proposals to previously developed land. It is there proving the size and quality of the Ecol	have the potential to have a significant fore considered that the proposals
E7. To protect, improve and	0	0	0	Medium	N/A	N/A		
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	-	gnificant effe	cts.				

		Timescale	)			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E8. To protect, and where necessary, improve local air quality.	woodland a mitigation i Manageme operates a improveme including a is however Taking into	sals are likely and it is reco measures co ent Area and long the site ents to the loo local shoppi noted that g	gnised that t uld be imple , although or s southern, r cal transport ing centre or iven it scale	rees can have a mented to retain hy the north west north western and network. The site Bailey's Lane, p , not all parts of th	positive influence on-site trees or erly quarter of the l north eastern e is within rease rimary schools, ne site are locat	ce on air quality by r secure adequate re he site is within the boundaries. It is also onably close proximi a leisure centre 30r red in close proximit		re. It is however acknowledged that e is not within an Air Quality fer zone, an existing bus service a scale where they may facilitate and a number of local facilities, health centre within 200m of the site.
E9. To use water and mineral resources prudently and efficiently.	0 Comments	0	0	Medium	N/A	N/A		

		Timescale				Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	potential to is noted the where they master pla	sed by the D integrate wi at a bus serv may facilitat nning proces	th existing tr ice operates e improvem s could help	ansport infrastruc along the sites s ents to the local to deliver a develop	ture. Only the r outhern, north ansport networ oment that enco	north westerly quarte western and north e rk, although it is ack burages walking and	Secondary impacts on air quality and greenhouse gas emissions 2011), the site is located on the fringe of er of the site is within the Council's iden astern boundaries. It is also recognised nowledged that there is limited certaint I cycling. There is however a number of s, a leisure centre 30m to the west of th	tified railway station buffer zone but it I that the proposals are of a scale y about this at this stage, and the Flocal facilities within reasonably close
							ed employment area. It is therefore con stainable modes of transport is uncerta	
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 Comments	0	0	Medium	N/A	N/A		

KGB 21 - Land at Finch La	ne / Higł	ner Road	, to the e	ast of Halew	ood						
		Timescale	)			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
EC1. To improve the competitiveness and productivity of business, exploit he growth potential of business sectors and increase the number of new businesses.	+	+	+	Medium	Local	Long term	Contribution to overall pool of jobs in the Borough Together with the proposals for KGB21, the proposals for the site could have a have a positive cumulative impact on investment in the area.				
	Comments:           The proposals for Land at Finch Lane / Higher Road do not include an employment element. Nevertheless, they are of a scale where they may encourage further investment in the area, sustaining existing local employment and also potentially bringing new jobs into the area. There is however only limited certainty over whether this would increase the number of new businesses or exploit the growth potential of business sectors and thereby have a positive impact on this objective.										
EC2. To enhance the vitality and viability of town and local	+	+	+ +	Medium	Local	Long term	Enhanced perceptions of the area.				
centres.	established proposals a scheduled	not located v I that due de are of a scale to be comple onsidered th	lays in reger where they eted by the e	nerating the Rave could generate a nd of 2012, and a	nscourt centre, significant am ilso have a pos	many Halewood re- ount of additional ex itive impact on the v	penditure which could support the Ra vitality and viability of the local shoppir	rough to meet their shopping needs. The venscourt redevelopment, which is			
EC3. Maintain high and stable levels of employment and reduce	+	+	+	Medium	Local	Long term	Secondary impacts on deprivation and guality of life.				
long-term unemployment.	<u>Comments:</u> Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has the potential to have some positive impact on the objective. The proposals are also of a scale where they may encourage further investment in the area, sustaining existing local employment and also potentially bringing new jobs into the area.										
Sustainability Summary											

	Timescale									
years years years synergistic								Mitigation		
The potential development of Land at Finch Lane/Higher Road would have a relatively mixed impact on the sustainability objectives. The delivery of the scale of housing proposed would have a major positive impact on the objective of providing good quality, affordable and resource efficient housing and could contribute to the housing needs identified by the 2010 Strategic Housing Market Need Assessment which established that the proportion of two- and three-bed properties in Halewood is below the borough average and that the area has average house prices above the Borough average. I addition, the creation of employment during the construction of the development and the potential for the proposals to stimulate further investment in the area would also support the objectives relating to reducing unemployment; access to training; reducing poverty and social deprivation; and business growth.										

The potential development of this location could also have a positive impact on the objective relating to improving accessibility to goods and facilities by resulting in the provision of housing in a location which would provide the future occupants of the site with easy access to existing services and facilities by a choice of means of transport. In addition, given its significant residential capacity, the potential development at this location could support the Ravenscourt redevelopment, which is scheduled to be completed by the end of 2012, and also have a positive impact on the vitality and viability of the local shopping centre on Bailey's Lane. It is therefore considered that the potential development of this location could have a major positive impact on the objective of enhancing the vitality and viability of town and local centres.

The potential development in this location would however have a negative impact on a number of objectives. In particular, it would result in the loss of a substantial area of greenfield land, which is predominately classified as Grade 2 Best and Most Versatile agricultural land, and which contributes to the setting of Halewood. It is therefore considered that the potential development would have a major negative impact on the objectives relating to protecting land and soil; and protecting landscape character. It may be possible to mitigate some of these impacts through, for example, seeking to secure appropriate landscaping to moderate the impact of the proposals on the local landscape character. However, given that development in this location would inevitably lead to the loss of greenfield land and Best and Most Versatile agricultural land, it would not be possible to wholly mitigate the impact of development in this location on the objective relating to protecting land and soil and its sub-objective of directing new housing to previously developed land. It is however recommended that any development in this location should be built to an appropriate density to help minimise the need to release further greenfield sites and Most Versatile agricultural land.

Due to the scale of the location and the distances of parts of it from facilities and services, it is considered that the impact of development in this location on the objective of reducing the need to travel and encouraging the use of sustainable modes of transport is uncertain. By extension, and also due to the quantum of development that could be delivered in this location, it is considered that the proposals have the potential to have a negative impact on air quality and mitigating climate change. Other objectives which it is considered that the potential development is likely to have a negative impact on include those which relate to Knowsley's built heritage; adapting to climate change; biodiversity; and green infrastructure.

		Key fo	r effects		
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	<ul> <li>– major negative;</li> </ul>	? uncertain

KGB 14 - Land to the sout	th of Whi	ston (Ph	ase 2), Li	ckers Lane					
		Timescale	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
Social									
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Low	More than local	Long term	Together with the proposals for KGB16 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support regeneration.	Phasing	
	The site is	Comments: The site is not adjacent to an identified regeneration area. Nevertheless, due to the size of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive importance of the area the delivery of additional dwellings may have a positive							
S2. To improve local accessibility of goods, services	+	+	+	Medium	Local	Long term		Ensure provision of appropriate facilities	
and amenities and reduce community severance.	There are a centre on ( would be s proposer o positive im notwithstar	<u>Comments:</u> There are a range of local facilities and amenities that are readily accessible from sections of the site including primary schools, a GP and health centre and a local centre on Greene's Road. The proposals would also make a contribution to the continued viability of these services and facilities. Whilst it is noted that these facilities would be some distance from the southern and eastern parts of the site, it is recognised that the proposals are of a scale which could provide on-site facilities and the proposer of the site has indicated that a range of social and community facilities would be provided on site. It is therefore considered that the proposals would have a positive impact on the objective and its sub-objective of improving community facilities. However, the degree of impact on this objective is reduced by the fact that, notwithstanding the stated intentions of the proposer of the site, at this stage there is limited certainty over what facilities would be provided on site and the degree to which these would be accessible from all parts of the site and surrounding areas.							
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments Unlikely to crime.		0 gnificant effe	Medium cts. Other policies	N/A	N/A rategy will ensure th	at all new development is designed in a	a way that reduces opportunities for	
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	0 <u>::</u> have any siç	0 Onificant effe	Medium cts.	N/A	N/A			

KGB 14 - Land to the sout	h of Whi	ston (Ph	ase 2), Li	ckers Lane				
		Timescale	9			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S5. To improve health and reduce health inequalities.	+	+	+	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site public open space, and, if required, appropriate on-site health facilities.
S6. To provide good quality, affordable and resource efficient housing.	greenspac recreation. large areas considered whether th	sals are of a e, sections o Nevertheles of the site v that the pro e sports pitcl	of which are use, the propo would be reta posals have h would be lo	used for informal r sers of the site ha ained as green an the potential to ha ost as a result of th	ecreation. The ve stated that d open space v ave a positive i he proposals a	development of the the development wo which would be avail mpact on the objection nd also because, no	menities. The proposals would however site could thereby reduce opportunities uld be laid out to encourage walking an lable for informal recreation for all Know ive but the level of certainty about this is stwithstanding the stated intentions of the which these would be accessible from a Together with the proposals for KGB16 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support	for participation in informal sport and d cycling and have also confirmed that sley residents. It is therefore reduced by the fact that it is unclear e proposer of the site, at this stage
S7. To improve educational attainment, training and opportunities for lifelong	providing g have a pos to have a p	substantial c jood quality l sitive effect o	housing and in the sub-ob ence the fina	could contribute to jective of providing	o the housing r g a wider choid	needs identified by the commodation	regeneration. the South of Whiston would have a maju he 2010 Strategic Housing Market Need n to create a greater tenure mix and the act upon this objective would become mo Improved quality of life and reduced levels of deprivation and social exclusion.	s Assessment. The proposals could large capacity of the site is also likely

KGB 14 - Land to the sout	4 - Land to the south of Whiston (Phase 2), Lickers Lane												
		Timescale	•			Nature of Ef	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
learning and employability.	the develop education a improveme	scale of the poment of this and training											
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas,	-	-	-	Low	Local	Long term		Undertake an assessment of the proposals on these heritage assets and, if appropriate, incorporate measures to protect their setting					
sites and features.	Comments: There are listed buildings on the northern and eastern boundaries of the site and development within the vicinity of these heritage assets has the potential to adversely affect their setting. It is however recognised that these features are located on the edges of what is a very large site. As a result, there may be scope to incorporate adequate buffers around the setting of these assets and, therefore, there is only a limited level of certainty that the proposals would have a negative impact on this objective.												
Environment E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Low	Local	Long term	Secondary impacts on perceptions of the area.	Other policies in the Core Strategy should ensure the retention of existing trees. Where possible, seek to protect the setting of the remnants of the former Halsnead Estate.					

KGB 14 - Land to the sout	h of Whis	ston (Ph	ase 2), Li	ckers Lane				
		Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	therefore cc strong defe motorway to The Knows there is mir of existing of the former Halsnead H likely to haw The propos physical ap houses. At landscape impact on t	Knowsley an oncludes that onsible boun o the south sley Open Sp nimal remna open space Estate, inclu fall Parkland ve an advers ser of the site pearance. T this stage the value of part	at the propos daries forme and Fox's Ba pace, Recrea nt landscape in this area. ding long se d make a pos se effect on t he proposals here is however s of the site a. It is however	als for the site wo d by the built-up a ank Lane to the ea tion and Sport St around this area The Landscape C ctions of the sand sitive contribution he local character er stated that mat s also make referr ver limited certain and area of greer	area to the north area to the north ast. This would rategy (2005) n . Halsnead Par Character Asses Istone boundary to the landscap r of the landscap ure tree plantin ence to retainin ty over the exten ifield land that of	significant impact or n and west (particula reduce the likelihood otes that Prescot an k, which forms part sement (2006) notes y wall, a gate house e and their loss or th pe. g and existing water g existing features th int to which these feat could be lost as part	e site as part of the wide gap between h a the separation of these settlements. In arly if the site were to come forward alor d of further expansion into the Green Be ad Whiston are within the Lancashire Co of the site, is however identified by this that the former Halsnead Estate is defi , and small woodland clumps. It is consi the presence of significant built develop bodies on site will be retained, manage hat contribute to landscape character su atures would be retained. Consequently of the development, it is considered that the proposer of the site, there is only lin	a addition, the site is well-contained by hgside KGB16) and by the M62 elt. Dal Measures landscape area but that strategy as one of only two key areas ned by the existence of remnants of idered that these remnants of the ment within their vicinity is therefore ed and generally improved in terms of uch as boundary walls and gate y, and taking into account the at the proposals would have a negative

KGB 14 - Land to the sout	h of Whi	ston (Pha	ase 2), <u>L</u> i	ckers Lane				
		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	Water and the mature assumptio have a sig intensive r absence o	Tontains/adjoir the Old Woc tree planting n that the LW nificant nega ecreational u f detailed ecc	od), areas of g and hydrold /S will be exi tive impact c se. Consequ blogical surve	ancient and semi ogical structures of cluded from the d on these assets an uently, it is conside	-natural woodla on the site will b evelopable area nd it is recognis ered that the pr	and and Priority Hab be retained and it is a a. In the absence of ed that the proposa oposals have the pro		er considered that the proposals could sure on these resources due to more is objective. Nevertheless, in the
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.

KGB 14 - Land to the south of Whiston (Phase 2), Lickers Lane									
	Timescale								
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFRA) (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a lack of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are likely to suffer the consequences of groundwater flooding. Nonetheless, the proposals would result in a significant area of greenfield land being replaced with built development which may have an adverse impact on levels of surface water run-off if suitable measures are not implemented, such as sustainable drainage systems. The proposals would also result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.								
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	-	-	Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change, including exploring the opportunities for incorporating decentralised energy systems on large sites such as this.	

KGB 14 - Land to the south of Whiston (Phase 2), Lickers Lane										
	Timescale									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	years         years         years         synergistic           Comments:         The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that the proposers of the site have stated that the site may offer opportunities for decentralised energy systems due to the quantum of development proposed. It is however recognised that there is presently no certainty that such systems would be incorporated into the proposals for the site and it is noted that the Knowsley Renewable and Low Carbon Energy Options study (2009) considered that a purely residential development of the area would be unlikely to readily lend itself to a district heating opportunity. In addition, the site is not located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is therefore unlikely to deliver a reduction in carbon emissions beyond those required by Local Plan policies.           The proposals are likely to result in an increase in traffic in the immediate surrounding area. It is however noted that there are a range of local facilities and amenities that are readily accessible from sections of the site including primary schools, a GP and health centre and a local shopping centre on Greene's Road. It is also recognised that there are existing employment areas located in close proximity to employment sites, such as the industrial and business estate on the opposite side of Mindy Arbor Road and Huyton Business Park which may reduce the need to travel for work. Whils there sere some distance from the eastern and southern sections of the site has indicated that a range of social and community facilitities would be provided on site. The proposer of the site has alo									
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Low	Long term	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies in the Core Strategy should ensure the retention of areas of woodland		

KGB 14 - Land to the south of Whiston (Phase 2), Lickers Lane										
	-	Timescale	•							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of substantial area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network and, although the proposer of the site has however stated that the mature tree planting and hydrological structures on the site will be retained, it is considered that the proposals would have a negative impact on this objective due to the area of greenfield land that would be lost. It is however acknowledged that there is only a low level of certainty over this impact due to the potential for the proposals to increase the quality of the accessible green infrastructure network.									
E6. To protect, manage and restore land and soil quality.	-			Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.		
	<u>Comments:</u> The proposals would result in the loss of a substantial greenfield site. It is also noted that the majority of the site is classified as Grade 2 Best and Most Versatile agricultural land and that parts of the site are presently within agricultural use. It is therefore considered that the proposals have the potential to have a significant negative impact on this objective and also on the sub-objective of directing new housing to previously developed land.									
E7. To protect, improve and	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity			
where necessary, restore the quality of inland, and estuarine waters.	Comments: The site is in close proximity to a number of bodies of water, including Big Water. Directing development to locations close to these features has the potential to adversely affect water quality unless adequate mitigation measures are adopted. It is however recognised that there is limited certainty about the impact of the proposals on the water quality of these water bodies.									

		Timescale	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
E8. To protect, and where necessary, improve local air quality.	-	-	-	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	<ul> <li>Secure improvements to the public transport network and ensure that the development is accessible by choice of means of transport.</li> <li>Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the ai of ensuring that new development caters for an appropriate range an choice of transport options.</li> <li>Other policies in the Core Strategy should seek to retain trees and areas of woodland.</li> </ul>	
	Comments:The proposals are likely to result in an increase in traffic in the immediate surrounding area but it is recognised that the extent to which this will impact on air quality is uncertain and the site is not within an Air Quality Management Area. It is noted that there are a range of local facilities and amenities that are readily accessible from sections of the site including primary schools, a GP and health centre and a local shopping centre on Greene's Road. It is also recognised that there are existing employment areas located in close proximity to employment sites, such as the industrial and business estate on the opposite side of Windy Arbor Road and Huyton Business Park which may reduce the need to travel for work. Nevertheless, these community facilities are some distance from the eastern and southern sections of the site and only the northern sections of the site are within 800m of Whiston railway station and not all of the site is in close proximity to the existing bus routes on Windy Arbor Road and Lickers Lane. The proposer of the site has also stated that the proposals would include on-site facilities, the provision of new bus routes through the site and that the development would be designed to encourage walking and cycling. Nevertheless, at this stage there is limited certainty about what facilities would be provided and due to quantum of development proposed, and the number of trips it is likely to generate, it is considered that the proposals have the potential to have some negative impact on the objective.000MediumN/AN/A								
resources prudently and efficiently.	Comments		Ū		11/7		1		

KGB 14 - Land to the sout				ckers Lane				
		Timescale	9			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	shopping c industrial a these com railway sta	a range of lo centre on Gre ind business munity facilit tion and not	eene's Road. estate on th ies are some all of the site	It is also recogni- e opposite side of distance from the is in close proxin	sed that there a f Windy Arbor F e eastern and s nity to the exist	are existing employn Road and Huyton Bu couthern sections of ing bus routes on W	Secondary impacts on air quality and greenhouse gas emissions ns of the site including primary schools nent areas located in close proximity to siness Park which may reduce the nee the site and only the northern sections indy Arbor Road and Lickers Lane.	employment sites, such as the d to travel for work. Nevertheless, of the site are within 800m of Whiston
	master pla over what	nning proces facilities wou	ss could help Ild be provide	deliver a develop	oment that enco degree to whic	ourages walking and	cycling. It is however considered that a would encourage sustainable modes of	t this stage there is limited certainty
E11. To minimise the production	0	0	0	Medium	N/A	N/A		
of waste and increase reuse, recycling and recovery rates.	Comments Unlikely to	_	gnificant effe	cts.				
Economic								
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business	+	+	+	Medium	More than local	Long term	Contribution to overall pool of jobs in the Borough Together with the proposals for	

KGB 14 - Land to the sout	KGB 14 - Land to the south of Whiston (Phase 2), Lickers Lane       Nature of Effect         Timescale       Nature of Effect												
		Timescale											
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
sectors and increase the number of new businesses.							KGB16 and KGB18, the proposals for the site could have a have a positive cumulative impact on perceptions of the area and support regeneration.						
	The propos	<u>Comments:</u> The proposals for Land to the South of Whiston do not include an employment element. Nevertheless, they are of a scale where they may encourage further investment in the area, sustaining existing local employment and also potentially bringing new jobs into the area.											
EC2. To enhance the vitality and viability of town and local	+	+	+ +	Medium	More than local	Long term	Enhanced perceptions of the area.						
centres.	Given the solution of the solu	<u>Comments:</u> Given the significant capacity of the site, the proposals have the potential to have a positive impact on the vitality and viability of Knowsley's town centres and the local centre on Greene's Road by increasing levels of expenditure in these centres. It is therefore considered that the proposals have the potential to have a significant positive impact on this objective.											
EC3. Maintain high and stable levels of employment and reduce	+	+	+	Medium	More than local	Long term	Secondary impacts on deprivation and quality of life.						
long-term unemployment.	Given the s potential to	Comments:         Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has the potential to have some positive impact on the objective. The proposals are also of a scale where they may encourage further investment in the area, sustaining existing local employment and also potentially bringing new jobs into the area.											
Sustainability Summary													

		Timescale	<del>)</del>			Nature of Effe	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
uld make an important contribution ality, affordable and resource eff nsidered to be of a scale where it this location would have some po rthermore, it may encourage add	in to the hous icient housing could genera sitive impact litional investr	ing needs id y; and its sul te a number on the object ment in the a	entified in th o-objective c of employme ives relating area, helping	e Strategic Housi f providing a wide ent and training op to reducing pover to sustain existin	ng Market Ass er choice of a oportunities du rty and social o ig local emplo	essment (2010) and ccommodation to cree ring the construction deprivation; improving yment and facilities a	articular, given the scale of the potentia have a significant positive impact on the ate a greater tenure mix. The potentia of the development. It is therefore consign training and opportunities for lifelong I and resulting in a positive impact on the positive impact on the objectives relation	ne objective relating to providing g al development in this location is a sidered that the potential developm earning; and reducing unemploym e objectives concerned with busin
posed development, together wi gative impact on the objective re nserving green infrastructure. It n s location would inevitably have	th the potenti lating to proten ay not be po a negative im f the other ne	al impact on ecting land a ssible to who pact on the gative impac	areas of pri nd soil; and olly mitigate objective rel ts that would	ority habitat and l some negative in some of these imp ating to protecting d result from deve	Local Wildlife npact on the c pacts. For inst g land and soil lopment in this	Sites that are within bjectives relating to ance, due to the amo and its sub-objective cocation. For examp	ticular, the significant area of greenfield or adjoin the site, resulted in the locati protecting biodiversity, species and ha ount of greenfield land that would be los e of directing new housing to previousl le, the potential impact on the objective nd LWSs.	on being considered to have a m bitats; mitigating climate change; st it is considered that developmenty y developed land. It may howeve
		preserve, er	nhance and	manage built heri	tage. It is how	ever acknowledged t	I in the potential development being co hat due to these features being locate	
negative impact on the objective ation there may be some scope t gative impact on this objective. G	o provide ade iven the lands egative impac	scape value of the object	of parts of th ective relating	e site and the are g to protecting loc	a of greenfield al landscape (	land that could be lo character. It is howev	only a limited level of certainty that deve st as part of the development, it is cons er noted that the impact on this objection ad Estate.	elopment in this location would ha sidered that the potential developr

++ major positive;

+ minor positive;

0 neutral; – minor negative;

-- major negative; ? uncertain

KGB 10 - Land at Carr Lar	ne, to the	west of	Prescot									
		Timescale	)			Nature of Eff	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Social												
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Medium	Local	Long term	Cumulative impact with other development on perceptions of the area.	Ensure proposals incorporate effective linkages to South Prescot to maximise the contribution of development in this location to the regeneration of this area.				
	The site is considered employment	Comments: The site is immediately adjacent to South Prescot which is identified in the UDP as a key employment and regeneration location. The proposals for the site are considered to offer the potential to support the regeneration of this area and, in particular, raise its profile. The proposals could result in the provision of high quality employment premises that provides accommodation for new/expanding businesses and stimulate investment in the wider area. It is therefore considered that the proposals have the potential to result in new jobs that offer the potential to reduce deprivation and help secure economic inclusion.										
S2. To improve local	0	0	0	Medium	N/A	N/A						
accessibility of goods, services and amenities and reduce community severance.	Comments Unlikely to	<u>:</u> have any sig	nificant effe	cts.								
S3. To improve safety and	0	0	0	Medium	N/A	N/A						
reduce crime, disorder and fear of crime.	Comments Unlikely to crime.		nificant effe	cts. Other policies	in the Core St	trategy will ensure th	nat all new development is designed in a	way that reduces opportunities for				
S4. To support voluntary and	0	0	0	Medium	N/A	N/A						
community networks, assist social inclusion and ensure community involvement in decision making.	Comments: Unlikely to have any significant effects.											
S5. To improve health and	0	0	0	Medium	N/A	N/A						
reduce health inequalities.	Comments Unlikely to	<u>:</u> have any sig	nificant effe			-	-					
S6. To provide good quality,	0	0	0	High	N/A	N/A						

KGB 10 - Land at Carr Lar	ne, to the	west of	Prescot							
		Timescale	)			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
affordable and resource efficient	Comments									
housing.	The propos	sals for Land	at Carr Lan	e do not include a	housing eleme	ent and are therefore	e unlikely to have any significant effects	on this objective.		
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Low	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.			
learning and employability.	<u>Comments:</u> New jobs and training opportunities would be created during the construction and operation of the development. The proposals are therefore likely to have some positive impact on this objective. Nevertheless, the relatively small scale of the proposals means there can only be a limited level of certainty that the impact on the objective would be significant.									
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A				
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.		-			d heritage ass	ets and it is therefor	e considered that the proposals for the L	and at Carr Lane are unlikely to have		
Environment										
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	concludes motorway l evidence o	Knowsley and that the site between thes f its previous	makes a lim se two settle s use is still v	ited contribution to ments. The site fo visible. There is al	o the separatio rms part of the so no public ac	n of these areas due former Prescot was	he site as being located within a narrow get to its relatively small size and also becauste water treatment works and although itself. It is therefore considered that the pof the countryside.	ause of the presence of the M57 t contains self-regenerated scrub,		

		Timescale	•					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	vegetated. The propositive the identified	as been prev The site als sals therefor ed mitigation	o contains a e have the p measures a	strip of Priority Ha otential to result ir re implemented. I	abitat (woodlar n the loss of sc Nevertheless, i	nd) along its boundary ome features of ecolog t is recognised that in	gical features and could place pressu	Undertake ecological surveys. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats or the creation of a buffer around the LWS. proportion of the site has been re- e Site, is situated to the north of the site re on other ecological resources unless urveys to establish the potential impact
E3. To adapt to climate change including flood risk.	(2011) doe of local info Accordingl	gic Flood Ris s however in ormation in r y, the inform	ndicate that t elation to gro ation on grou	he site falls within oundwater flooding	an area that is g and that the o	s susceptible to groun dataset used only ider	ntifies wider areas that may be at risk	PFRA does recognise that there is a lac

KGB 10 - Land at Carr Lan	Lane, to the west of Prescot											
	-	Timescale	9			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.				
	Comments:           The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) but it is within close proximity of Cables Retail and Prescot Business Park which is identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) as a potential location for implementing district heating.           The eastern portion of the site is within 800m of a railway station and the entire site is within a cycle buffer zone. The site is therefore considered to be relatively well-located in relation to existing transport infrastructure. Nevertheless, the proximity of the site to the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel.           Consequently, whilst the proposals would inevitably result in some carbon emissions and could thereby have a negative impact on the objective and its sub-objective, it is considered that it is uncertain whether the impact on this objective would be significant due to the scale of the proposals and also because of the potential for the											
E5. To provide, conserve, maintain and enhance green infrastructure.	covered by has resulte	within close regenerativ d in parts of	e scrub and the site bein	in close proximity	to a Local Wild loped and the	llife Site. It is howev site retains remnant	hk' and the proposals would result in the er recognised that the site's former use is of its former use. It is therefore consid	as a waster water treatment works				
E6. To protect, manage and restore land and soil quality.	+	+	+	Medium	Local	Long term	Secondary impact on perceptions of the area					

KGB 10 - Land at Carr La	ne, to the	west of	Prescot								
		Timescale	9			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	<u>Comments:</u> The site forms part of the former Prescot waste water treatment works and although it contains self-regenerated scrub, evidence of its previous use is still visit also recognised that although much of the above ground infrastructure has been removed from the site, below ground foundations, ducts and bases may remarplace. As a result, the proposals for Land at Carr Lane are likely to need to be proceeded by a comprehensive scheme of land reclamation/land remediation are could thereby have a positive impact on the sub-objectives of reducing the amount of derelict land and reducing the amount of contaminated land.										
E7. To protect, improve and	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity				
where necessary, restore the quality of inland, and estuarine waters.	Prescot Br adversely	<u>Comments:</u> Prescot Brook runs along the western boundary of the site and the proposals would result in development being directed to this location which has the potential to adversely affect water quality unless adequate mitigation measures are adopted. It is however recognised that there is limited certainty about the impact of the proposals on the water quality of this brook.									
E8. To protect, and where	0	0	0	Medium	N/A	N/A					
necessary, improve local air quality.	zone and t acknowled	not within ar the site is wit	hin reasonal proximity of	bly close proximity the site to the mo	y of the services otorway network	s and facilities provi	e is within 800m of a railway station. Th ded at Cables Retail Park and Prescot t stainable patterns of travel. Nevertheles bjective.	own centre. It is however			
E9. To use water and mineral	0	0	0	Medium	N/A	N/A					
resources prudently and efficiently.	Comments Unlikely to	<u>s:</u> have any si	gnificant effe	ects.							
E10. To reduce the need to travel and improve choice and use of	+	+	+	Low	N/A	N/A	Secondary impacts on air quality and greenhouse gas emissions				
more sustainable transport	<u>Comments:</u> The proposals would result in the provision of employment opportunities in an established business location that is within 800m of a railway station, in relatively close proximity to bus routes and also within a cycle buffer zone. It is therefore considered that the proposals could have some positive impact on the objective. Nevertheless, the proximity of the site to the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel.										
mode.	proximity to										

KGB 10 - Land at Carr Lar									
		Timescale	•			Nature of Eff	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
of waste and increase reuse,	Comments						·		
recycling and recovery rates.	Unlikely to have any significant effects.								
Economic	<u>+</u>								
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number	+	+	+	Medium	Local	Long term	Contribution to overall pool of jobs in the Borough	Ensure proposals incorporate effective linkages to the South Prescot to maximise the contribution of development in this location to the regeneration of this area.	
EC2. To enhance the vitality and viability of town and local	considered employme	I to offer the nt premises f	potential to s that provides	support the regen accommodation	eration of this a for new/expand	irea and, in particula ding businesses and	a stimulate investment in the wider are sing industrial / commercial floorspace Cumulative impact with other development in the Whiston and	d result in the provision of high quality a. It is therefore considered that the	
centres.	Comments:         Prescot area           The site is approximately 600m to the south west of Prescot town centre. Particularly when viewed cumulatively with regeneration at South Prescot, the proposals for the Land at Carr Lane could therefore support efforts to enhance the vitality and viability of this town centre which, according to the Knowsley Town Centre and Shopping Study (2009), has suffered a loss of vitality and viability in recent years. The Knowsley Town Centre and Shopping Study does however note that there has been some contraction in the comparison and convenience goods sectors within Prescot town centre itself due to new retailers having been attracted to the Cables Retail Park. Consequently, given that the Land at Carr Lane is more closely related to the Cables Retail Park, it is unclear to what extent any additional spend generated by the proposals would be directed to Cables Retail Park as opposed to Prescot town centre. Accordingly, there is only a low level of certainty about the impact on this objective.								
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	+	+	+	Medium	Local	Long term	Secondary impacts on deprivation and quality of life.	Ensure proposals incorporate effective linkages to the South Prescot to maximise the contribution of development in this location to the regeneration of this area.	

	ane, to the	Timescale				Nature of Eff	ect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	Comments: The site is immediately adjacent to South Prescot which is identified in the UDP as a key employment and regeneration location. The proposals for the site are considered to offer the potential to support the regeneration of this area and, in particular, raise its profile. The proposals could result in the provision of high quality employment premises that provides accommodation for new/expanding businesses and stimulate investment in the wider area. It is therefore considered that the proposals could generate a range of employment opportunities and thereby have a positive impact on the objective.								
ustainability Summary							d economic objectives. In particular, it c		
npact on the objectives relating to ccessible by a range of modes of nproving the use of sustainable m Particularly when viewed cumulation which, according to the Knowsley T ome positive impact on this object	o reducing uner of transport and odes of transport vely with reger Town Centre ar tive although it	mployment; d it is therefort. neration at S nd Shopping t is acknowle	and reducing fore envisage South Presco Study (2009 edged that th	g poverty and soc ed that developm t, the potential de ), has suffered a e proximity of the	cial deprivation lent in this loca evelopment at loss of vitality a site to the Cal	and securing econo ation could also hav the Land at Carr La and viability in recen ole's Retail Park red	ugh the creation of employment opport mic inclusion. The employment opport re some positive impact on the objection ane could generate additional expendit t years. It is therefore considered that c uces the level of certainty that the prop ning and opportunities for lifelong learn	unities that would be created ve of reducing the need to tr ure in the nearby Prescot tow levelopment in this location co losals would have a positive in	
The potential development at the L appropriate mitigation measures ar objective though protecting areas o adaptation to climate change due t	and at Carr La re implemented of woodland and to it resulting ir	ane could ho d. In particula d excluding f n developme	owever result ar, as the are them from the ent taking pla	in the loss of prive as of priority hab e developable are ace in a location t	ority habitat an itat are predon ea. It is conside hat has been ie	d, as a result, have ninantly found aroun red that developmer dentified by the Prel	a negative impact on the objective rela d the perimeter of the location it may b nt in this location could also have a neg- iminary Flood Risk Assessments (2012 dies and applying appropriate measure	ting to biodiversity and habita e possible to reduce the impa ative impact on the objective r ) as being susceptible to gro	
f Sustainable Drainage Systems.									
							ne location to Prescot Brook means tha mitigating climate change is also consic		

## Knowlsey Core Strategy: Green Belt Broad Locations for Development – June 2012 Page 30 of 40

KGB 4 - Land to the east of	KGB 4 - Land to the east of Knowsley Industrial Park												
		Timescale	•			Nature of Eff	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
Social													
S1. To reduce poverty and social deprivation and secure economic inclusion.	(2010), cor Borough. T weak infras	immediately htributes £21 he Deliverin structure, an	4m pa in GV g a new futu d that there i	A to the economy re for Knowsley Ir s a lack of recogn	v, is collectively ndustrial Park – ition of its role	home to approxima Strategic Framewo and contribution. Th	Cumulative impact with other proposals for the regeneration of Knowsley Industrial Park livering a new future for Knowsley Indus tely 800 businesses and provides 27% rk does however establish that the park e proposals could provide ign quality e	of total employment within the is characterised by out-of-date and mployment premises and stimulate					
	secure eco Industrial P Area. The p	nomic inclus Park and the proposals th	sion. The pro gateway loc erefore have	posals are unlikel ation of the site co the potential to h	y to be of a sca ould help stimul ave a positive i	ale where they would ate further investme	o result in new jobs that offer the potential d have a significant adverse impact on the ent in Knowsley Industrial Park which is tive but it is recognised that there is only et.	he regeneration of the Knowsley an identified Principal Regeneration					
S2. To improve local	0	0	0	0	0	0	0	0					
accessibility of goods, services and amenities and reduce community severance.	facilities pro sections of	not located i ovided on-si the site are	te would be readily acce	ancillary to the de ssible by both put	velopment and plic and private	primarily serve the i transport via the A5	Knowsley or outside the borough and it i needs of the on-site workers. Conseque 80, the likely ancillary nature of any on- gnificant impact on the objective or its su	ently, notwithstanding the fact that site facilities coupled with their					
S3. To improve safety and	0	0	0	Medium	N/A	N/A							

KGB 4 - Land to the east of	of Knows	ley Indus	strial Par	k					
		<b>Fimescale</b>	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
reduce crime, disorder and fear of crime.	Comments: Unlikely to have any significant effects. Other policies in the Core Strategy will ensure that all new development is designed in a way that reduces opportun crime.								
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	0 <u>:</u> have any sig	0 Inificant effe	Medium cts.	N/A	N/A			
S5. To improve health and reduce health inequalities.	0 <u>Comments</u> Unlikely to	0 <u>:</u> have any sig	0 Inificant effe	Medium cts.	N/A	N/A			
S6. To provide good quality, affordable and resource efficient housing.	0 <u>Comments</u> The propos objective.		0 to the east o	High of Knowsley Indus	N/A strial Park do n	N/A ot include a housing	element and are therefore unlikely to h	ave any significant effects on this	
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.		nd training c					Improved quality of life and reduced levels of deprivation and social exclusion. ation of the development. The proposals employment and training opportunities		
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	_	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites to establish their significance and, if appropriate, recommend measures to preserve or enhance them.	

KGB 4 - Land to the east of	of Knows	ley Indu	strial Par	k				
	-	Timescale	9			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	<u>Comments:</u> The site is approximately 500m north of Knowsley Village Conservation Area and also within reasonably close proximity of Knowsley Hall Estate. It is however nor that development in this location would be relatively well screened from these assets by highway infrastructure and tree belts and would not encroach significant the agricultural land that provides the setting for the Knowsley Hall Estate. The site is however known to contain features of archaeological interest. In particular, are two identified Archaeological Sites within the site boundary and a further two within 100m of its southern boundary. Due to the presence of these Archaeological Sites it is considered that the proposals have the potential to have a detrimental impact on the objective by adversely affecting the significance of these archaeological sites and features. It is however acknowledged that there can only be a low level of certainty about this impact due to the limited information availation on these Archaeological Sites.							
Environment E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across	0	0	0	Medium	N/A	N/A		Seek to secure appropriate landscaping to moderate the impact of the proposals on the local landscape character
Knowsley.	concludes site as fallin landscape. noted that contained t limited. It is uses that d	Knowsley an that develop ng within Urk Nevertheles the northern o the north h s also recogr	ment in this ban Fringe F ss, only the s part of the s by the road n hised the dev the local land	location would no armland which is smaller southern s ite accommodate retwork and to the velopment could re	t impact on the characterised t section of the si s a United Utilit south/west by esult in the red	separation of these by an open character te is characteristic o ties facility and a larg commercial develop evelopment of the pr	he site as being located within a wide ga areas. The Knowsley Landscape Char r with flat low-lying topography and wide f this description provided by the Lands ge electricity substation. There is no pul poment. As a result, the visual impact inte resently derelict United Utilities site and fore considered that, on balance, the pro-	ap between Kirkby and St Helens and acter Assessment (2006) defines the e views across a mainly agricultural cape Character Assessment and it is olic access to the site and it is visually to the wider countryside would be may to some extent screen existing
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-	-	-	Low	Local	Long term		Undertake ecological surveys. Other policies of the Core Strategy should ensure that appropriate mitigation measures are implemented, such as the provision of a buffer around the brook

KGB 4 - Land to the east of	of Knows	ley Indus	strial Par	k					
		Timescale	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	<u>Comments:</u> Knowsley Brook, which is defined as a Strategic Asset by the Liverpool City Region Ecological Framework (2011), runs through the northern part of the site. The proposals have the potential to place pressure on this brook. Nevertheless, it is recognised that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value there can only be limited certainty about their impact on this objective.								
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.	
	<u>Comments:</u> The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3 and it does not fall within an area defined by the Preliminary Flood Risk Assessment (2011) as being at risk from groundwater flooding. The proposals would however result in the loss of a predominantly greenfiel site that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.								
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	-	-	-	Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.	

KGB 4 - Land to the east	of Knows	ley Indus	strial Par	k					
		Timescale	•			Nature of Eff	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
renewable sources.	impact on f designed in demonstra low carbon may assist The site is potential lo The site is acknowled location co proximity o addition, du	uction and o the objective in a way to m ted that both energy as in the financial also in close cation for bio almost entire ged that dev uld benefit fr f the site to t ue to the qua	and its sub- aximise energy parcels of la dentified by t viability of a proximity to omass boiler ely within an elopment of om the plant the A580 and antum of dev	objective. It is how rgy efficiency. In a and have potentia he Liverpool City a future energy sc Knowsley Indust s and biomass Cl 800m cycle buffe the scale propose ned improvement d the motorway ne elopment propose	wever recognis addition, evider I to be connect Region Renew heme and be a rial Park which HP. r zone and the ed could deliver s to the public t etwork reduces ed, the carbon te would have	ed that other policies ice in the Knowsley ed to decentralised able Energy Capaci ble to benefit from d is identified by the k western portion of th mansport network as the level of certainty emissions associate a negative impact or	bon emissions. The proposals therefore is in the Core Strategy are likely to ensur Industrial Park Energy Network Feasibil energy network(s). The site is adjacent is ity Study (2009) and it is recognised that decreased carbon emissions should com Knowsley Renewable and Low Carbon E the site falls within a 200m of a high freq he local public transport network and it is sociated with the regeneration of Knows y that the development would result in si ed with transport are likely to be significa in the objective but that there is only a ver-	re that all new development is ity Study (2012) has also to a 'Priority Zone' for renewable and t additional development in this locality nection an energy network be viable. Energy Options study (2009) as a uency bus route. It is also s recognised that development in this sley Industrial Park. Nevertheless, the ustainable patterns of travel. In nt.	
E5. To provide, conserve, maintain and enhance green infrastructure.	- Comments	- -	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site.	
	The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of a predominantly greenfield site that offers the potential to function as part of the Borough's Green Infrastructure network.								
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.	

KGB 4 - Land to the east of	of Knows	sley Indu	strial Par	k						
		Timescale	e			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	of the site redevelopr	sals would re are presently ment of this p	y within agric portion of the	ultural use. It is he site would make	owever noted t a positive cont	hat other sections of ribution to the sub-o	f the site have been previously develop	lict land. Nevertheless, given the scale		
E7. To protect, improve and	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity			
where necessary, restore the quality of inland, and estuarine waters.	Comments: Kirkby Brook runs through the centre of the site and the proposals would result in a significant amount of development being directed to this location which hat potential to adversely affect water quality unless adequate mitigation measures are adopted. It is however recognised that there is limited certainty about the of the proposals on the water quality of this brook.									
E8. To protect, and where necessary, improve local air quality.	-	-	-	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim		
								of ensuring that new development caters for an appropriate range and choice of transport options.		
	<u>Comments:</u> The site is not within an Air Quality Management Area and is almost entirely within an 800m cycle buffer zone. The western portion of the site falls within 200m of a high frequency bus route. It is also acknowledged that development of the scale proposed could deliver improvements to the local public transport network. Nevertheless, the proximity of the site to the A580 and the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel. In addition, due to the scale of development proposed, it is envisaged that the quantum of trips that would be generated would be significant particularly as the development is built out. It is therefore considered that the proposals have the potential to have a negative impact on this objective.									
	Neverthele of travel. Ir	ess, the proxi n addition, du	imity of the si ue to the scal	ite to the A580 an le of development	d the motorwa proposed, it is	y network reduces the envisaged that the	he level of certainty that the developme quantum of trips that would be generat	nt would result in sustainable patterns ed would be significant particularly as		

KGB 4 - Land to the east of	of Knows	ley Indu	strial Par	k				
	-	Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
resources prudently and efficiently.	Comments Unlikely to	-	gnificant effe	cts.				
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	-	-	-	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.
	acknowled location co proximity o	almost entire ged that dev uld benefit fr f the site to t onsidered th	elopment of rom the plan the A580 and	the scale propose ned improvements d the motorway ne	ed could deliver s to the public t etwork reduces	improvements to the ransport network as the level of certaint	he site falls within a 200m of a high free ne local public transport network and it sociated with the regeneration of Know y that the development would result in this objective but it is acknowledged th	is recognised that development in this vsley Industrial Park. Nevertheless, the sustainable patterns of travel. It is
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to		0 gnificant effe	Medium cts.	N/A	N/A		
Economic	•							
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business	+	+ +	+ +	Medium	Borough wide	Long term	jobs in the Borough	Ensure development incorporates effective linkages to Knowsley Industrial Park and areas characterised by high levels of deprivation.

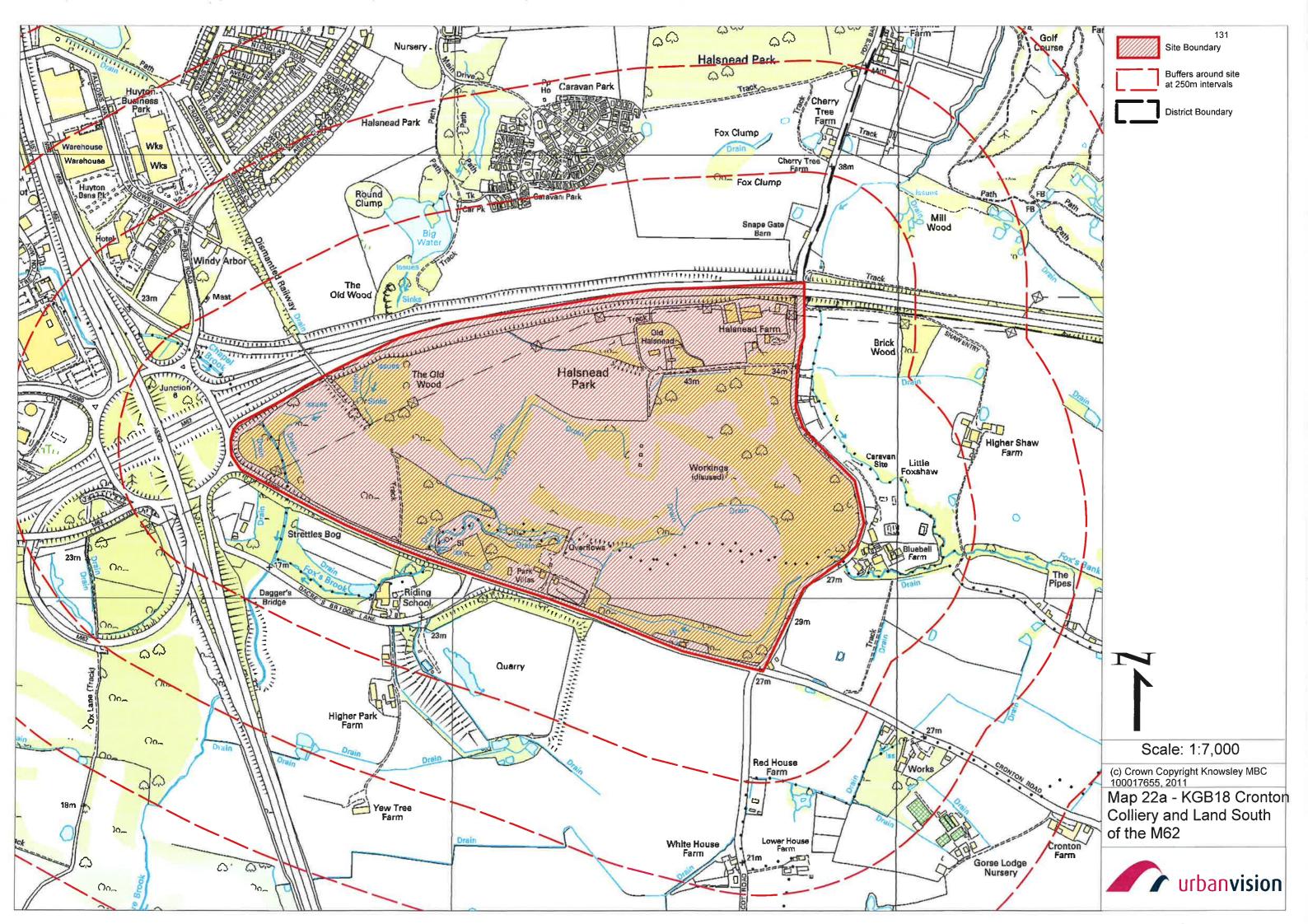
KGB 4 - Land to the east of	t of Knowsley Industrial Park												
		Timescale	9			Nature of Eff	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
sectors and increase the number of new businesses.	(2010), cor Borough. T weak infras have a maj target sect as logistics In addition, gateway to given that t create a po acknowled electricity t	immediately htributes £21 The Deliverin structure, an jor positive in ors, such as and distribu , as recognis the park. The Deliverin positive 'first in ged that the	4m pa in GV g a new futu d that there i mpact on the advanced en tion uses. Seed by the De ne proposals g a new futu mpression'. I certainty of t lines and un	A to the economy re for Knowsley Ir s a lack of recogn objective, particu- ngineering and gro- elivering a new fut could thereby hel re for Knowsley Ir t is therefore cons his impact is redu	v, is collectively industrial Park – ition of its role larly as Knows een energy. The ure for Knowski p stimulate inve industrial Park – idered that the iced by the present.	home to approxima Strategic Framewo and contribution. Th ley Industrial Park is e close proximity of ey Industrial Park – estment in the park Strategic Framewo proposals have the sence of the Nationa	Strategic Framework, the site occupie and raise the profile of the immediate rk identified that existing gateways to potential to have a positive impact on	6 of total employment within the rk is characterised by out-of-date and employment premises which could k as a key location in the Borough for d also help attract target sectors, such s a position that could form a major area, which is particularly important the Park are insignificant and fail to the objective. Nevertheless, it is ogether with its high voltage overhead					
EC2. To enhance the vitality and viability of town and local centres.	0	0	0	Medium	Borough wide	Long term	Secondary impacts on the perceptions of the area	The NPPF and emerging Local Plan policies should ensure that any proposals for B1 office use are subject to sequential testing and also ensure that any on-site facilities provided are ancillary.					

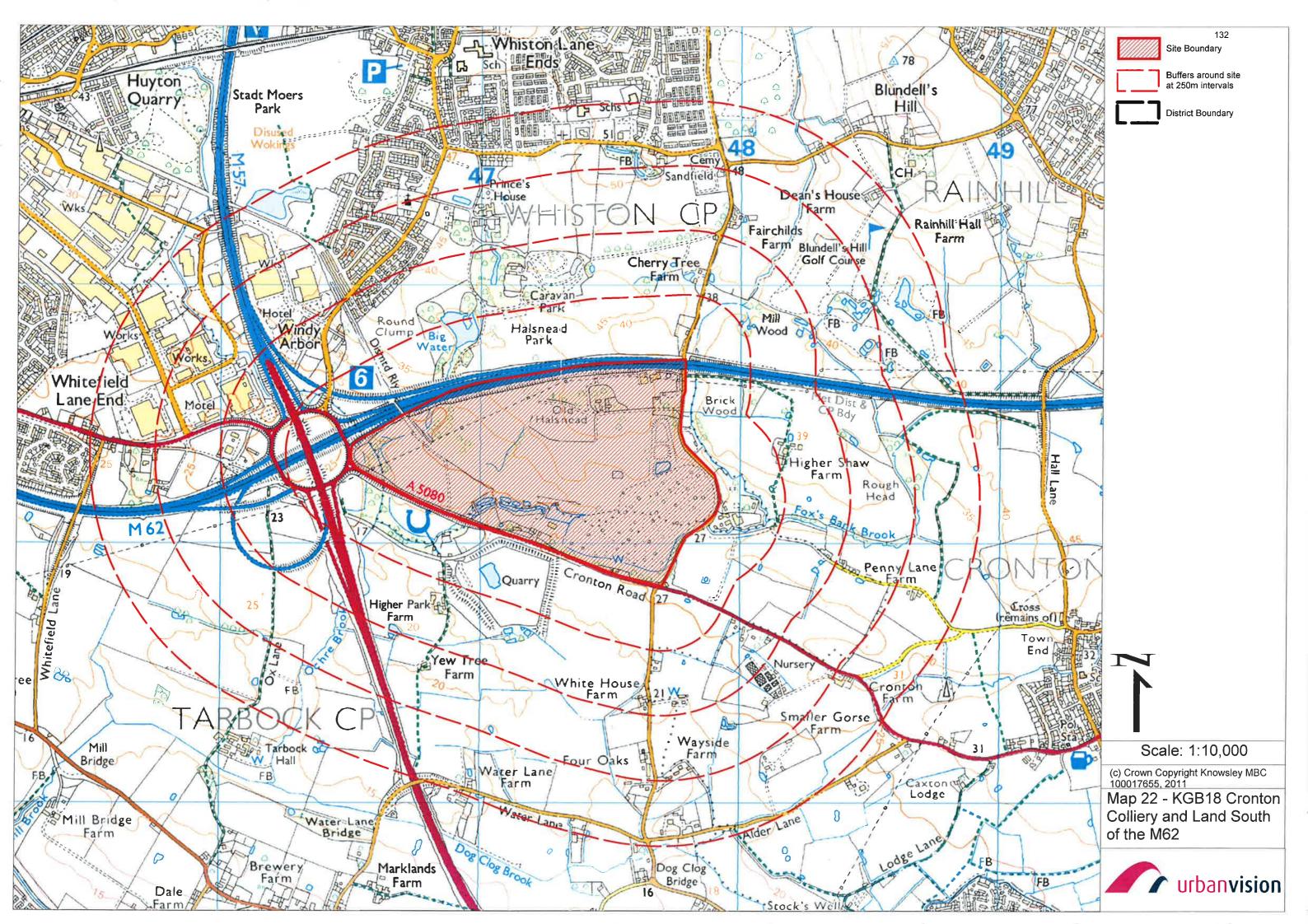
KGB 4 - Land to the east of	of Knows	ley Indu	strial Par	k				
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Comments: The proposals would result in a significant amount of investment into the area. Nevertheless, given the distance of the site from Kirkby town centre, it is considered be unlikely that the proposals would have a significant impact on the vitality and viability of Kirkby town centre. It is considered that any services and facilities provious on-site are likely to be ancillary to the development and should not therefore have a detrimental impact on the vitality and viability of the other centres within the Borough, particularly the nearby Kirkby town centre. It is unclear whether the employment uses that would be directed to the site would include B1 office development. If B1 office development is provided in this out of centre location it would have the potential to have a detrimental impact on the vitality and viability of Kirkby town centre. It is however recognised that opportunities and potential for significant new office development in Knowsley's town centres may be limited and, although no evidence is provided to demonstrate that offices could not be directed to a town centre location, it is recognised that national planning policy and policies within the emerging Local Plan should prevent out of centre office development that would have an unacceptable impact on the vitality and viability of Knowsley's town and local centres. It is therefore considered that the proposals are unlikely to have a significant impact on this objective.							
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	+ <u>Comments</u> The site is (2010), cor Borough. T weak infras businesses future for K	+ + immediately ntributes £21 The Deliverin structure, an and genera (nowsley Ind	adjacent to 4m pa in GV g a new futu d that there i ate a range o ustrial Park -	Low Knowsley Industri /A to the economy re for Knowsley Ir s a lack of recogn f employment opp	Borough wide al Park which, , is collectively ndustrial Park – ition of its role portunities and work, the site c	home to approxima Strategic Framewo and contribution. Th thereby have a posi occupies a position t	ne proposals could provide a range of tive impact on the objective. In addition	% of total employment within the rk is characterised by out-of-date and
	market. In a	addition, the	presence of	the National Grid	's Kirkby subst	ation on the site tog	eated would be accessible to those p ether with high voltage overhead elec the northern part of the site and could	tricity transmission lines and

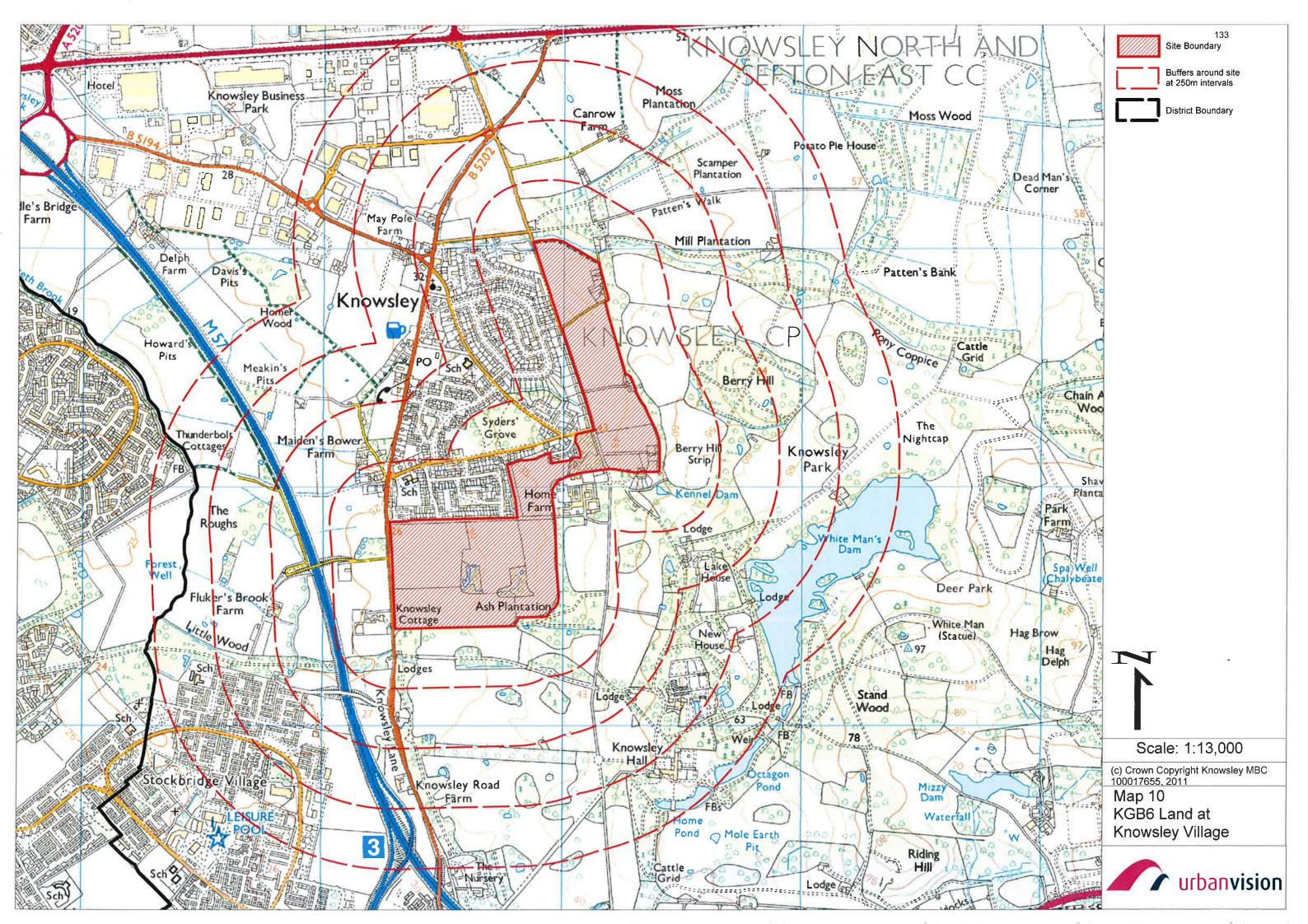
		Timescale Nature of Effect					ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
ustainability Summary	1					<u> </u>		
nificant number of employment op	oportunities a	ind contributi	ng to the reg	generation of Kno	wsley Industria	al and Business Park	ctives. In particular, by providing a rang s, development in this location is likely f reducing poverty and social deprivatio	to have a major positive impact on
s considered that development in elopment in this location is unlike							ne vitality and viability of Knowsley's t	own centres. In addition, the pote
ve a negative impact on the objec eximity of the location to the A580 vel together with the inevitable car bact on the objective relating to mi	tives relating and the mo rbon emission itigating clima	to air qualit torway netw ns associate	y; and reduc ork increase d with the co	ing the need to tr s the likelihood th nstruction and op	avel due to the nat a significar peration of the	e recognition that the nt proportion of these development mean th	in environmental objectives. Specifical y are likely to generate a significant ar would be made by car. This potentia nat it is considered that the potential de	mount of vehicular movements and al to result in unsustainable pattern evelopment would also have a nega
sport network in association with	the regener	ation of Knov	wsley Industi	ntralised energy n rial Park. Key miti	networks and a igation measur	ilso because the pote res to reduce any neg	antial development could benefit from the objective relating gative impact on these objectives are li	he planned improvements to the p
nsport network in association with the public transport network and en- e presence of Kirkby Brook within ating to water quality. The loss of bact on the objectives relating to a se objectives due to development	the regener. Insuring that the location greenfield lan adaptation to the in this loca	ation of Know the developm results in th nd, much of y climate cha tion inevitab	wsley Industr nent is acces e proposals which is clas nge; green i ly resulting i	ntralised energy n rial Park. Key miti ssible by a choice having the poten sified as Grade 1 nfrastructure; and n the loss greenf	networks and a igation measur of means of tr tial to have a Best and Mos protecting lar	liso because the pote res to reduce any neg ansport. negative impact on th st Versatile agricultura nd and soil. Whilst it	ntial development could benefit from the	he planned improvements to the p ikely to include securing improvem d an uncertain impact on the obje evelopment is likely to have a neg- le to completely mitigate the impact
nsport network in association with the public transport network and en- e presence of Kirkby Brook within ating to water quality. The loss of poact on the objectives relating to a use objectives due to development propriate density could help minim e possible impact of the potential	the regenerations in the location greenfield lan adaptation to in this location ise the need development	ation of Know the developm results in the nd, much of the climate cha tion inevitab to release fu to n Archaed	wsley Industr nent is acces e proposals which is clas nge; green i ly resulting i irther greenfi blogical Sites	ntralised energy n rial Park. Key miti sible by a choice having the poten sified as Grade 1 nfrastructure; and n the loss greenf eld sites. s within the locati	networks and a igation measur of means of tr tial to have a Best and Mos d protecting lar field and Best on could resul	Iso because the pote res to reduce any neg ansport. negative impact on the st Versatile agricultura nd and soil. Whilst it and Most Versatile a It in a negative impace	ntial development could benefit from the gative impact on these objectives are light the objective relating to biodiversity, an al land, also means that the potential d is recognised that it will not be possibl	he planned improvements to the planned improvements to the planned include securing improvem d an uncertain impact on the object evelopment is likely to have a nega- le to completely mitigate the impact at ensuring development is built to erve, enhance and manage Knows

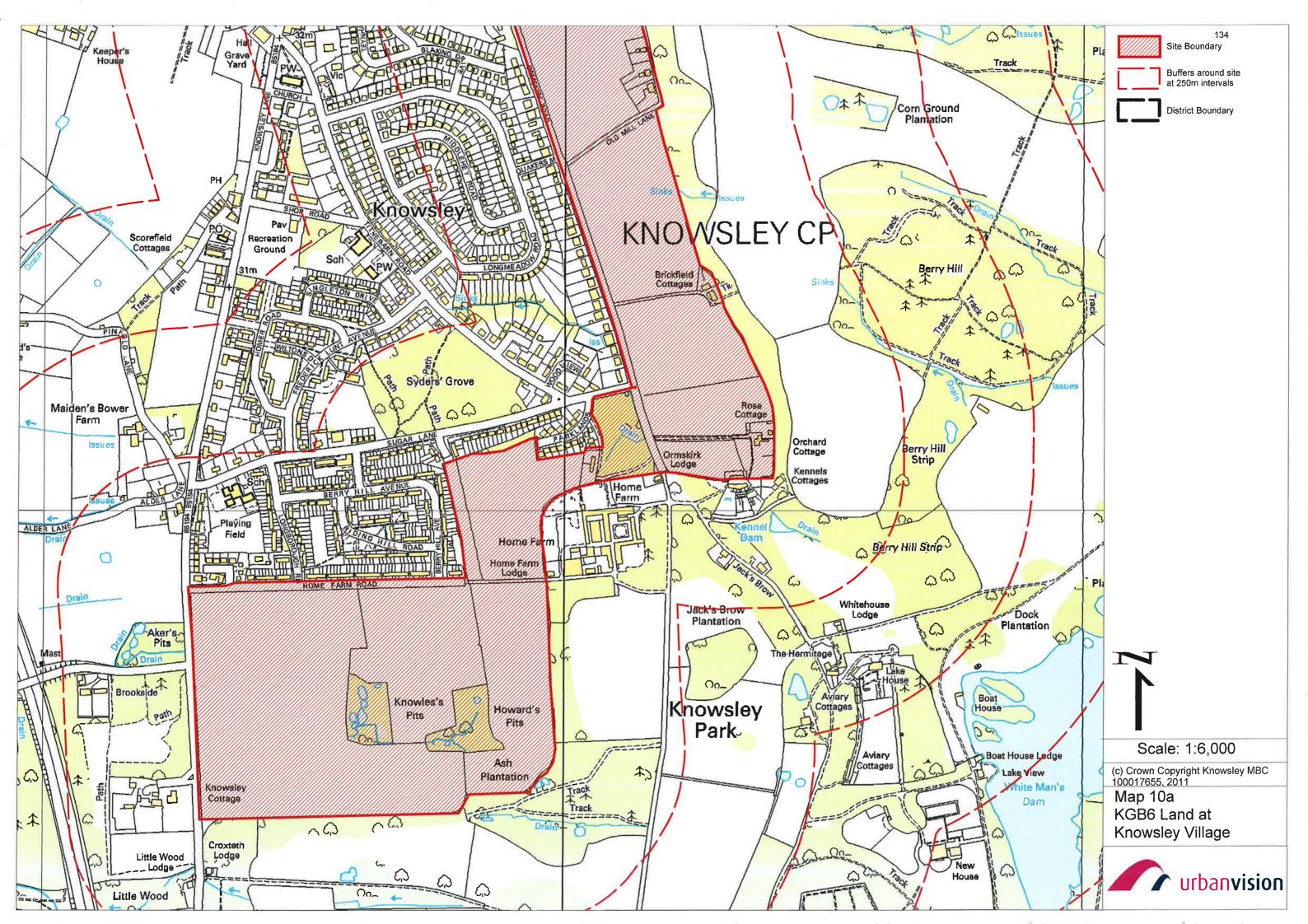
## Appendix 6

Safeguarded Locations Maps









## Appendix 7

## Sustainability Appraisal of the Safeguarded Locations

	(and fan		of M62)					
	-	Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social	-	-	-			<u>.</u>		
S1. To reduce poverty and social deprivation and secure economic inclusion.	+ <u>Comments</u>	-	++	Low	Borough wide	Long term		Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.
	creation of deprivation Premises S	a range of a Neverthele Study (2010)	dditional em ss, the site is , it is isolated	ployment opportunes not located in closed in closed in closed in closed in closed in closed in the built-up	nities. The prop ose proximity to area. Consequ	posals could therefo o an identified princi uently, the degree to	oyment premises for new and expandir re make a significant contribution to the pal regeneration area and, as recognise which the employment opportunities w have a major positive impact on this ob	ed by the Employment Land and yould be accessible to all sections of
S2. To improve local	creation of deprivation Premises S	a range of a Neverthele Study (2010)	dditional em ss, the site is , it is isolated	ployment opportunes not located in closed in closed in closed in closed in closed in closed in the built-up	nities. The prop ose proximity to area. Consequ	posals could therefo o an identified princi uently, the degree to	re make a significant contribution to the pal regeneration area and, as recognise which the employment opportunities w	e objective of reducing poverty and ed by the Employment Land and rould be accessible to all sections of
accessibility of goods, services and amenities and reduce community severance.	creation of deprivation Premises S the commu <u>0</u> <u>Comments</u> The site is facilities pro- facilities pro-	a range of a . Neverthele Study (2010) unity is uncer 0 <u>0</u> not located i ovided on-si ovided on-si	Idditional em Iss, the site is , it is isolated tain. This red 0 n close prox te would be a te together w	ployment opportui s not located in clo I from the built-up duces the level of <u>Medium</u> mity to a significa ancillary to the dev rith their distance roving community	nities. The propose proximity to area. Consequence area. Consequence area into the term of term of the term of	oosals could therefo o an identified princi uently, the degree to he proposals would <u>N/A</u> ommunity either in k primarily serve the ed residential comm	re make a significant contribution to the pal regeneration area and, as recognise which the employment opportunities w have a major positive impact on this ob Knowsley or outside the borough and it needs of the on-site workers. Consequ	e objective of reducing poverty and ed by the Employment Land and rould be accessible to all sections of jective.
accessibility of goods, services and amenities and reduce	creation of deprivation Premises S the commu <u>0</u> <u>Comments</u> The site is facilities pro- facilities pro-	a range of a . Neverthele Study (2010) unity is uncer 0 <u>0</u> not located i ovided on-si ovided on-si	Idditional em Iss, the site is , it is isolated tain. This red 0 n close prox te would be a te together w	ployment opportui s not located in clo I from the built-up duces the level of <u>Medium</u> imity to a significa ancillary to the dev rith their distance	nities. The prop ose proximity to area. Consequ certainty that the N/A nt residential c velopment and from establishe	oosals could therefo o an identified princi uently, the degree to he proposals would <u>N/A</u> ommunity either in <i>k</i> primarily serve the	re make a significant contribution to the pal regeneration area and, as recognise which the employment opportunities w have a major positive impact on this ob Knowsley or outside the borough and it needs of the on-site workers. Consequ	e objective of reducing poverty and ed by the Employment Land and rould be accessible to all sections of jective.
accessibility of goods, services and amenities and reduce community severance.	creation of deprivation Premises S the commu O <u>Comments</u> The site is facilities pre objective o O <u>Comments</u>	a range of a Neverthele Study (2010) unity is uncer 0 <u>0</u> <u>1</u> not located i ovided on-si ovided on-si r its sub-obje 0 <u>1</u>	Additional em ess, the site is , it is isolated tain. This red 0 n close prox te would be a te together w ective of imp 0	ployment opportui s not located in clo from the built-up duces the level of Medium mity to a significa ancillary to the dev roth their distance to roving community Medium	nities. The propose proximity to area. Consequencertainty that the N/A nt residential c velopment and from establishe facilities. N/A	oosals could therefo o an identified princi- uently, the degree to he proposals would <u>N/A</u> ommunity either in k primarily serve the ed residential comm <u>N/A</u>	re make a significant contribution to the pal regeneration area and, as recognise which the employment opportunities w have a major positive impact on this ob Knowsley or outside the borough and it needs of the on-site workers. Consequ	e objective of reducing poverty and ed by the Employment Land and rould be accessible to all sections of jective. is probable that any services and ently, the likely ancillary nature of any ikely to have a significant impact on the

KGB 18 - Cronton Colliery	(and lan	d south	of M62)							
	-	Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
community networks, assist social inclusion and ensure community involvement in decision making.	Comments: Unlikely to have any significant effects.									
S5. To improve health and	0	0	0	Medium	N/A	N/A				
reduce health inequalities.		Comments: Unlikely to have any significant effects.								
S6. To provide good quality,	0	0	0	High	N/A	N/A				
affordable and resource efficient	Comments	:	Ū							
housing.			ton Colliery o	do not include a h	ousing elemen	t and are therefore ι	unlikely to have any significant effects or	n this objective.		
S7. To improve educational	+	+	+ +	Medium	Borough	Long term	Improved quality of life and reduced	Secure improvements to the public		
attainment, training and					wide		levels of deprivation and social	transport network and ensure that		
opportunities for lifelong							exclusion.	the development is accessible by a		
learning and employability.	<u> </u>							choice of means of transport.		
	major posit close proxi Consequer	nd training c ive impact o mity to an id ntly, the degr	n the objectiventified princ	ve, particularly ov ipal regeneration the training oppor ositive impact on	er the longer te area and, as n tunities would I this objective.	erm as the developm oted by the Employr be accessible to all s	tion of the development. The proposals nent is built out. Nevertheless, it is recog ment Land and Premises Study (2010), sections of the community is uncertain.	nised that the site is not located in it is isolated from the built-up area. This reduces the level of certainty that		
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites. Ensure provision of suitable buffers		
								to protect the setting of the listed building.		

KGB 18 - Cronton Colliery	(and lan	d south	of M62)						
		Timescale	•			Nature of Eff	ect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	<u>Comments:</u> The site contains a Grade II Listed Building (Old Halsnead, Fox's Bank Lane) and there are identified Archaeological Sites along the eastern and southern boundary. The proposals could result in a significant scale development taking place within the vicinity of these heritage assets and therefore has the potential to adversely affect their setting. It is however recognised that these features are located primarily along the edges of what is a large site. As a result, there may be scope to incorporate adequate buffers around the setting of these assets to protect their significance. There is therefore only a limited level of certainty that the proposals would have a negative impact on this objective.								
Environment									
E1. To protect, enhance and manage the local character and accessibility of the landscape	?	?	?	Low	Local	Long term		Other policies in the Core Strategy should seek to retain areas of woodland and protected trees	
accessibility of the landscape and countryside across Knowsley.	therefore c strong defe into the Gro The Lands been mask is however	knowsley and oncludes that ensible bound een Belt. cape Charact ed by reclant noted that th	t the develo daries to the ter Assessm nation and tr ne site conta	pment of the site east and south for nent (2006) notes ee planting, it is c ins areas of wood	would not have ormed by Fox's that the spoil h onsidered that lland and there	e a significant impact Bank Lane and Cro eap from Cronton C the remediation of th are a number of tre	ges that the site is within a wide gap bet on the separation of these settlements. nton Road respectively which would red olliery remains on the site, and although nis area may result in some improvemer es on site protected by Tree Preservatio erefore considered that the impact of th	In addition, the site is contained by luce the likelihood of further expansion its presence and visual intrusion has the local landscape character. It on Order. If these trees were to be	

KGB 18 - Cronton Colliery (and land south of M62)         Timescale         Nature of Effect										
		Timescale	•							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-	-		Low	Local	Long term		Undertake ecological survey. Exclude the LWS and areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats, the provision of a buffer around the LWSs and the retention of areas of woodland.		
	<u>Comments:</u> The site contains/adjoins a number of features of nature conservation interest, including three Local Wildlife Sites (Strettles Bog, Mine Waste and the Old Wood) and Priority Habitat (woodland, grassland, tall herb fen and marshland). The woodland at Old Wood LWS is ancient semi-natural woodland which is referred to in the LCR Ecological Framework (2011) as an Area of Strategic Importance. The proposals have the potential to result in the loss of some of these features or place additional pressure on these resources. It is recognised that the identified capacity of the site has been derived from the assumption that the LWS will be excluded from the developable area and unless this is the case, and the other identified mitigation measures are implemented, the proposals could have an adverse impact on this objective but it is acknowledged that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value it is recognised that there can only be limited certainty about their impact on this objective.									

		Timescale	9					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Nature of Effe	Secondary, cumulative, synergistic	Mitigation
E3. To adapt to climate change including flood risk.	<u>Comments</u> The Knows exacerbate capacity of unless this objective of The Prelim recognise groundwat	3: sley Strategie ed by climate f the site has s is the case, of reducing flo hinary Flood I that there is ter flooding. <i>I</i>	c Flood Risk change and been derive and the othe bood risk. Risk Assessr a lack of loca Accordingly,	I this part of the sid d from the assumpted identified mitigation ment (2011) indication al information in re	te should only otion that the p tion measures ates that the si lation to grour groundwater	be considered for dev portion of the site within are implemented, the te falls within an area indwater flooding and the flooding is caveated b	the site are within Flood Zones 2 an elopment as part of a sequential app n Flood Zones 2 and 3 will be exclud proposals could have a negative im	broach. It is recognised that the identifie ded from the developable area and pact on the objective and its sub- looding. Nevertheless, the PFRA does vider areas that may be at risk from

KGB 18 - Cronton Colliery			/			Nature of Eff					
	Timescale										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-			Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change, including exploring the opportunities for incorporating decentralised energy systems on large sites such as this. Secure improvements to public transport service			
	incorporating decentralised energy systems on large sites such as this.										

KGB 18 - Cronton Colliery	KGB 18 - Cronton Colliery (and land south of M62)       Nature of Effect         Timescale       Nature of Effect											
		Timescale	•									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Seek to retain areas of woodland				
	<u>Comments:</u> The proposals would result in the loss of an area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network may also lead to the loss of areas of identified Priority Habitat within the site. It is also noted that the western part of the site forms part of the Whiston to Crr Corridor Strategic Green Link. The proposals could have a detrimental impact on this corridor although it is recognised the main elements of this corridor is designated as Local Wildlife Sites and may therefore be excluded from the developable area.											
E6. To protect, manage and restore land and soil quality.	The proposition for the proposition of the remains objectives	?       ?       Low       Local       Long term         Comments:       The proposals would result in the loss of a substantial area of greenfield land and the entire site is classified as Grade 2 Best and Most Versatile agricultural land. It is however noted that a significant portion of the site has been previously developed and that the former colliery land is likely to be severely contaminated and contain the remains of previous coal working, including colliery waste and mineshafts. It is therefore considered that the proposals could make some contribution to the sub-objectives of reducing the amount of derelict land and reducing the amount of contaminated land. It is therefore considered that the overall impact of the development on the objective is uncertain.										
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	0 Comments Unlikely to	-	0 gnificant effe	Medium	N/A	N/A						

KGB 18 - Cronton Collier SA Objective		Timescale						
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Nature of Eff Permanence	Secondary, cumulative, synergistic	Mitigation
E8. To protect, and where necessary, improve local air quality.	Comments The site is the constru- can have a It is noted frequency Employme scale prop into accou to result in	- - - - - - - - - - - - - - - - - - -	Air Quality peration of the uence on air distance fro Premises St eliver improv at the site is patterns of t	e development. T quality by removi the site is within a m the northern pa udy (2010) obser vements to the loc located in close p ravel unless signit	the proposals a ing pollutants fing buffer zone fo rts of the site. I ved that the Cr cal public trans roximity to the	Iso have the potenti rom the atmosphere r a bus route associ- ln addition, the site i onton Colliery site is port network but the motorway network,	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses. psals have the potential to generate a fail to result in the loss of an area of wo determined with close proximity of s isolated from the built-up area. It is an re is only limited certainty about this at	, this bus route is not particularly high a railway station or a cycle route and th cknowledged that development of the t this stage. Consequently, and taking site for employment purposes is unlike
E9. To use water and mineral resources prudently and efficiently.	-	-	-	Low	Local	Long term		If considered appropriate, seek to secure the extraction of clay prior to the proposals coming forward.

KGB 18 - Cronton Colliery	KGB 18 - Cronton Colliery (and land south of M62)											
		Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E10. To reduce the need to travel	Comments: The site contains the former Cronton Colliery and the Evidence Base for Minerals Planning on Merseyside (2008) identifies part of the site as being located within a potential Mineral Safeguarding Area for clay and notes that permission has previously been granted for clay extraction on the opposite side of Cronton Road. The development of the site for employment purposes could therefore potentially sterilise this resource if prior extraction were not to take place. This would have a negative impact on the objective of using mineral resources prudently.											
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	some dista Land and F could deliv fact that th sustainable	ern part of th ince from the Premises Stu er improvem e site is loca e patterns of	e northern pa udy (2010) of ents to the le ted in close travel unless	rts of the site. It is pserved that the C pcal public transp proximity to the m s significant mitiga	s noted that the Cronton Colliery ort network but lotorway networ ation measures	site is not located v site is isolated from there is only limited rk, it is considered th	within close proximity of a railway station in the built-up area. It is acknowledged the certainty about this at this stage. Consent the release of the site for employme t is therefore considered that the propose	hat development of the scale proposed equently, and taking into account the nt purposes is unlikely to result in				
E11. To minimise the production	0	0	0	Medium	N/A	N/A						
of waste and increase reuse,	Comments	-	unificant effe	-1-								
recycling and recovery rates.	Unlikely to	have any sig	gnificant effe	CIS.								
Economic												

KGB 18 - Cronton Colliery	(and lan	d south	of M62)					
	-	Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	+	+ +	+ +	Medium	Local	Long term	Contribution to overall pool of jobs in the Borough Together with the proposals for KGB14 and KGB16, the proposals could have a have a positive cumulative impact on perceptions of the area and support regeneration aspirations.	
	the require which is an communica aspirations to the rede The propos investment	yment Land ments of kno i important e ation uses wi to develop. velopment o sals could the in the area.	owledge-bas conomic dew nich are iden The site also f a former co erefore resul It is therefor	ed industries. The relopment corrido tified by the Cour o occupies a gate illiery site. t in the provision e considered that	e site is highly a r. Given this pro- ncil's Economic way location an of high quality e the proposals	ccessible to the mo oximity to the motory Regeneration Strat d the proposals wo employment premise	torway network and, in particular, is lo way network, the site may potentially b egy (2008) as sectors where there are uld potentially have a positive impact o es that would provide accommodation b have a significant positive impact on	be suitable for transport and e current and emerging strengths or on the image of the area through leading
EC2. To enhance the vitality and viability of town and local centres.	0	0	0	Medium	Borough wide	Long term	Secondary impacts on perceptions of the area.	The NPPF should ensure that any proposals for B1 office use are subject to sequential testing and should also ensure that any on-site facilities provided are ancillary.

KGB 18 - Cronton Colliery	(and lan	d south	of M62)					
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	considered on-site are Borough. It is unclear centre loca potential fo be directed developme are unlikely + <u>Comments</u> Employment	r whether the tion it would r significant to a town c nt that would to have a s + +	tain whether ancillary to the have the po new office d entre location d have an ur ignificant im + +	the proposals wo he development a nt uses that would tential to have a c evelopment in Kn- n, it is recognised hacceptable impac pact on this object Medium	area could prov	hificant impact on the herefore have a det the site would inclu act on the vitality an centres may be limit lanning policy and p and viability of Kno Long term	rimental impact on the vitality and via de B1 office development. If B1 office d viability of Knowsley's town centres ed and, although no evidence is prov olicies within the emerging Local Plan wsley's town and local centres. It is the Secondary impacts on deprivation and quality of life.	d that any services and facilities provided bility of the other centres within the development is provided in this out of . It is recognised that opportunities and ided to demonstrate that offices could not a should prevent out of centre office herefore considered that the proposals Ensure development incorporates effective linkages to areas characterised by high levels of deprivation. Secure the implementation of local training programmes. Other Core Strategy policies and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring new development caters for an appropriate range and choice of transport options.
	result in the high emplo regeneration	e creation of yment rates on area and,	a range of a and reducin as recognis	idditional employn g long-term unem ed by the Employn	nent opportunit ployment. Neve ment Land and	ies. The proposals o ertheless, it is recog Premises Study (20	could therefore make a significant cor nised that the site is not located in clo	tribution to the objective of maintaining ose proximity to an identified principal . Consequently, the degree to which the

		Timescale	of M62)			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Sustainability Summary			ļ	ļ		<u> </u>		ł
accommodation for new busine ocation could have a major po- mproving opportunities for train reduces the level of certainty the The potential development of adaptation to climate change of development taking place in a relatively small portion of the Co- necessary, excluding parts of the assessments and implementing The relatively isolated location negative impact on the objective public transport network and en The presence of a listed buildin neritage. However, it is recogni to protect their setting and sign would also have the potential t	esses, stimulate ir sitive impact on th ning and lifelong la tat development in Cronton Colliery v due, in part, to see location that has ronton Colliery loca he location from th g other appropriate of the site and its ves relating to mitig neure that the develop ised that these feat nificance. As a res to have a negative	vestment ir e objectives earning. It is this location vould howev ctions of the been identi ation falls wi e developat measures t distance fro gating clima dopment is a gical sites w tures are loc ult, there is impact on t	the area and relating to busi however recog would have a r er have a nega site being with fied by the Pre thin Flood Zone of mitigate flood on the existing te change; protection inccessible by a within the location ated primarily a only a limited le he objective rel	generate a signess growth; mained that the major positive in ative impact on the flood Zones liminary Flood is 2 and 3 and it measures to mining air qualit choice of means long the edges evel of certainty ating to the pru	nificant number aintaining high relatively isola npact on some a number of s 2 and 3 as of Risk Assessme t may therefore tigate some of a use of Sustai a network and y; and reducin s of transport. that the poter of what is a la that developm dent use of m	er of employment op a levels of employment ted position of the lo of these objectives. objectives. In partic defined by the Strate ents (2011) as bein be possible to succe the impact on this of nable Drainage Syst established resident g the need to travel tial development co rge site and, as a re- nent in this location inerals if it were to re-	al communities means that the potent Key mitigation measures are likely to uld have some negative impact on the sult, there may be scope to incorporate would have a negative impact on this esult in the sterilisation of clay reserve	that the potential development of ing poverty and social deprivation; a identified principal regeneration are ive impact on the objective relating because of the proposals resulting . It is however recognised that onl s by applying the sequential test and ing more detailed site-specific flood ial development is likely to have so include securing improvements to e objective relating to Knowsley's the adequate buffers around these asso objective. Development in this loca is. It is however recognised that on
is objective could potentially dapted accordingly include the	be wholly mitigate ose relating to biod	ed by the pri liversity; and	or extraction of green infrastru	clay. Other ob cture.	jectives that n	nay be adversely aff	ected by the potential development ur	nless the developable area were to
his objective could potentially dapted accordingly include the me impact of the potential dev reenfield land, sections of whi	be wholly mitigate ose relating to biod velopment on the	ed by the pri liversity; and objective rel	or extraction of green infrastru ating to protect	clay. Other ob cture. ing and restorir	jectives that n ng land and so	nay be adversely aff		nless the developable area were to nether the loss of a substantial area
adapted accordingly include the	be wholly mitigate ose relating to biod velopment on the	ed by the pri liversity; and objective rel	or extraction of green infrastru ating to protect	clay. Other ob cture. ing and restorir	jectives that n ng land and so	nay be adversely aff bil is considered to b utweighed by the be	ected by the potential development ur e uncertain due to it being unclear wh	nless the developable area were to nether the loss of a substantial area

KGB 6 - Land at Knowsley	y Village											
		Timescale	e			Nature of Ef	fect					
SA Objective	0 – 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation				
	years	years	years				synergistic					
Social												
S1. To reduce poverty and social	+	+	+	Medium	Local	Medium term						
deprivation and secure	Comments:											
economic inclusion.		The site is not adjacent to an identified regeneration area. Nevertheless, due to the size of the area the delivery of additional dwellings may have a positive impact on reducing deprivation by stimulating investment and creating jobs in the construction sector.										
S2. To improve local	+	+	+	Low	Local	Long term						
accessibility of goods, services	Comments											
and amenities and reduce		The proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be										
community severance.		ncorporated into the proposals. There are a range of accessible local facilities and amenities within Knowsley Village including primary schools, a GP and health										
		entre and a parade of shops on Sugar Lane. It is therefore considered that the proposals have the potential to have a positive impact on the objective of improving										
		accessibility of goods, services and amenities and the scale of development proposed could also help ensure the continued viability of these services and facilities. It is however recognised that due its size, site some of these existing facilities would not be a convenient walking distance from all sections of the site.										
	It is nowev	er recognise	ed that due it	s size, site some	of these existin	ig facilities would no	ot be a convenient walking distance from	all sections of the site.				
S3. To improve safety and	0	0	0	Medium	N/A	N/A						
reduce crime, disorder and fear	Comments			•		·	·					
of crime.				ects. Other policies	s in the Core S	trategy are likely to	ensure that all new development is desi	gned in a way that reduces				
		es for crime.	1									
S4. To support voluntary and	0	0	0	Medium	N/A	N/A						
community networks, assist	Comments	_		-1-								
social inclusion and ensure community involvement in	Unlikely to	nave any si	gnificant effe	CIS.								
decision making.												
S5. To improve health and	?	?	?	Low	Local	Long term	Secondary impacts on quality of life	Seek to protect existing recreation				
reduce health inequalities.						Ű		routes and secure the provision of				
								on-site public open space and, if				
								required, the provision of				
								appropriate on-site health facilities.				

KGB 6 - Land at Knowsley	y Village											
		Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
	The proposition incorporate recreation.	<u>Comments:</u> The proposals are of a scale which may facilitate the provision of on-site services and amenities but it is at present uncertain whether such facilities would be incorporated into the proposals. The proposals would however result in the loss of a substantial area of greenspace, sections of which are used for informal recreation. The Green Space Audit (2012) did however establish that this area has an overall surplus of public open space relative to the Council's adopted standards and it is also recognised that the presence of areas of greenspace does not necessarily ensure participation in informal recreation. It is therefore considered that that impact of the proposals on the objective is uncertain.										
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	+ +	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.				
	providing g a positive e	substantial c good quality l effect on the	housing and sub-objectiv	that the significan	ice of this impa rider choice of	act will increase in the accommodation to commodation to c	Knowsley Village would have a major pre- ne longer term as the development is bu create a greater tenure mix and the larg	ilt out. The proposals could also have				
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Low	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.					
learning and employability.	Comments:           Given the scale of the proposals, it is considered that the construction of the housing may generate some training opportunities in the construction sector. In addition, the development of this site for residential purposes will provide additional members of the working age population and could support the continued w of existing education and training facilities. It is also considered that the proposals are of a scale where they may result in the provision of on-site education factor improvements to the local public transport system which could enhance the physical accessibility of existing educational and training opportunities. It is how acknowledged that there is only a limited certainty about this until such a point as more detailed proposals for the site are developed.											

KGB 6 - Land at Knowsle		Timescale					feet	
			1		1	Nature of Ef		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Medium	Local	Long term	Secondary impacts on the image of the area and sense of place.	Undertake a more detailed apprais of the impact of the proposals on the significance of the conservatio area and Knowsley Hall and Gard Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites to establish their significance and, if appropriate, recommend measures to preserve or enhance them.
	of the site a detrimen Sefton Gre of mature The weste area is loc Area, the p considered there is on	known to co also borders tal impact or een Belt Stud trees. It is als rn part of the ated within a proposal wou d that the pro ly limited cer	Knowsley H the signific ly – Knowsle so noted tha e site is within rural setting ild result in t posals have tainty over t	Hall and Garden we ance of archaeolo by Report (2011) of t much of the estat n close proximity g characterised by he loss of a signif the potential to h he degree to whice	hich is a design ogical sites and concludes that ate boundary ac of Knowsley Vi wide open spa icant area of op ave some negath the proposal	hated Historic Park/ also potentially affective djacent to the site hat llage Conservation A aces and coppices of ben space that is with ative impact on the site s would impact upon	five identified Archaeological Sites withi Garden. The proposals are therefore co ect the setting of a Historic Park/Garden oposals on Knowsley Hall and Garden v as been rebuilt and is not in its original s Area. The Conservation Area appraisal of trees. Whilst large parts of the site are thin close proximity of this designated h setting and significance of this historic a n the significance of Knowsley Village C rden and a number of archaeological si	Insidered to have the potential to have although the Draft Knowsley and vill be moderated to a degree by beli- state. for Knowsley Village states that the e not adjacent to the Conservation eritage asset. As a result, it is sset. It is however acknowledged the conservation Area. Nevertheless, due

KGB 6 - Land at Knowsley	y Village								
		Timescale	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
Environment	•	-	-	·	-	•	•	•	
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	- Comments	-		Medium	Local	Long term	Secondary impact on perceptions of the area	Other policies of the Core Strategy should seek to retain existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character	
	The proposals would result in the loss of a significant swathe of greenfield land that wraps around the eastern and southern boundaries of Knowsley Village. If the scale of housing proposed, it is considered that this could have a considerable detrimental impact on the landscape character of the local area and, in par fundamentally change the semi-rural character of this landscape. The site contains a number of areas of mature trees, some of which are protected by Tree Preservation Order, and the loss of these could also have a significant impact on the landscape character. Furthermore, the proposals for the eastern portion site may also impact upon the protected landscape of Knowsley Hall and Garden although, as acknowledged by the draft Knowsley and Sefton Green Belt St Knowsley Report (2011), the impact on the proposals on this area may be moderated to a degree by belts of mature trees. It is also noted that much of the estimated and is not in its original state. Nonetheless, for the other reasons given above, it is considered that that the prophave the potential to have a major negative impact on the objective.								
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-			Low	Local	Long term		Undertake ecological surveys. Exclude the LWS and areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that other appropriate mitigation measures are implemented, such as the provision of on-site habitats or the creation of a buffer around the LWS.	

KGB 6 - Land at Knowsley	y Village									
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: Part of the site falls within the River Alt, Kirkby Brook, Knowsley Brook, Croxteth Brook and Croxteth Park Corridor and there are sections of Priority Habitat (woodland) within the southern part of the site and also bounding the site to the east and south. The vast majority of the site is also covered by a Local Wildlife Site designation. It is noted that the proposers of the site have queried the boundaries of the LWS and the value of this designated area. Nevertheless, the Mersey Environmental Advisory Service (MEAS) have confirmed that the site provides valuable foraging habitat for grazing pink footed geese and that a number of other UK Biodiversity Action Plan species have been recorded in the local area, including species which are also UK protected species under the Wildlife and Countryside Act 1981. It is therefore considered that the proposals have the potential to have a detrimental impact on biodiversity and habitats and would thereby have an adverse impact on the objective and its sub-objective of conserving and enhancing the natural environment. It is however acknowledged that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value there can only be limited certainty about their impact on this objective.									
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.		
	Comments:         The Strategic Flood Risk Assessment does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFRA) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a lack of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are likely to suffer the consequences of groundwater flooding. Nonetheless, the proposals would result in a significant area of greenfield land being replaced with built development which may have an adverse impact on levels of surface water run-off if suitable measures not are implemented, such as sustainable drainage systems.         The proposals would however result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.									

KGB 6 - Land at Knowsley							1 1			
		Timescale			1	Nature of Ef				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	-	-	Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures in mitigate climate change, including exploring the opportunities for incorporating decentralised energy systems on large sites such as this Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.		
	Comments:         The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) as a potential location for implementing district heating. It is therefore unlikely that the proposals will deliver a reduction in carbon emissions beyond those required by Local Plan policies.									
	Due to the quantum of development proposed, the proposals would undoubtedly generate a significant number of trips. There are a range of local facilities and amenities within Knowsley Village including primary schools, a GP and health centre and a parade of shops on Sugar Lane. Nevertheless, due to the size of the site, these facilities would not necessarily be within convenient walking distance of all parts of the site. In addition, only part of the site is within a buffer zone for buses. It is recognised that the development proposals are of a scale which could provide for enhancements in local transport provision and on-site facilities but there is only limited certainty about this at this stage. It is therefore considered that the proposals have the potential to have a negative impact on this objective but the certainty of this impact is reduced by the limited information on the enhancements to public transport and on-site facilities that would be secured.									

KGB 6 - Land at Knowsley	KGB 6 - Land at Knowsley Village										
		Timescale	)			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-		Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Formalise and protect existing recreation routes.			
	<u>Comments:</u> The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of a significant area of greenfield land that offers the potential to function as part of the Borough's Green Infrastructure network. Areas of the site are used as informal open space and the site contains Priority Habitats. The proposals would therefore have a negative impact on the objective and its sub-objective of improving the size and quality of the Ecological Framework. Given the increasing amount of land that would be developed as the proposals are implemented, it is considered that, the impact of the proposals on the objective would become increasingly significant as the development is built out.										
E6. To protect, manage and restore land and soil quality.	-	-		Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.			
	Comments:       Part of the southern section of the site is classified as Grade 2 Best and Most Versatile agricultural land and parts of the site appear to be within agricultural use. It is noted that the proposers of the site have submitted a report which states that the soil quality in the area ranges from Sub Grade 3a to Sub Grade 3b with almost 80% of the site being sub Grade 3b. It is however acknowledged that the findings of this report have not been independently verified. In addition, it is recognised that, irrespective of the soil quality, the proposals would result in the loss of a significant area of greenfield land for the provision of housing. It is therefore considered that the proposals have the potential to have a significant negative impact on this objective and also on the sub-objective of directing new housing to previously developed land. Given the increasing amount of land that would be developed as the proposals are implemented, it is considered that, the impact of the proposals on the objective would become increasingly significant as the development is built out.										
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium cts.	N/A	N/A					

KGB 6 - Land at Knowsley	KGB 6 - Land at Knowsley Village											
		Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E8. To protect, and where necessary, improve local air quality.	a positive i undoubted health cent distance of recognised proposals a	not within ar nfluence on ly generate a tre and a par f all parts of f I that the ma are of a scal	air quality by a significant f ade of shop: the site. In ac ster planning e which coul	r removing polluta number of trips. T s on Sugar Lane. ddition, only part o process could h d provide for enha	ants from the at here are a ran Nevertheless, of the site is wi elp deliver a de ancements in le	mosphere. In additi ge of local facilities a because of the size thin a buffer zone fo evelopment that enc pocal transport provis	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses. d to the loss of an area of woodland an on, due to the quantum of development and amenities within Knowsley Village i of the site, these facilities would not ne r buses and it is not within close proxim ourages walking and cycling and it is al- ion and on-site facilities but there is on plemented to retain on-site trees or sec	proposed, the proposals would ncluding primary schools, a GP and cessarily be within convenient walking ity of a railway station. It is however so recognised that the development y limited certainty about this at this				
	due to the	quantum of	development	proposed it is co	onsidered that t	he proposals have t	he potential to have a negative impact o ort and on-site facilities that would be se	on this objective but the certainty of				
E9. To use water and mineral	0	0	0	Medium	N/A	N/A						
resources prudently and efficiently.	Comments Unlikely to	<u>s:</u> have any sig	gnificant effe		L							

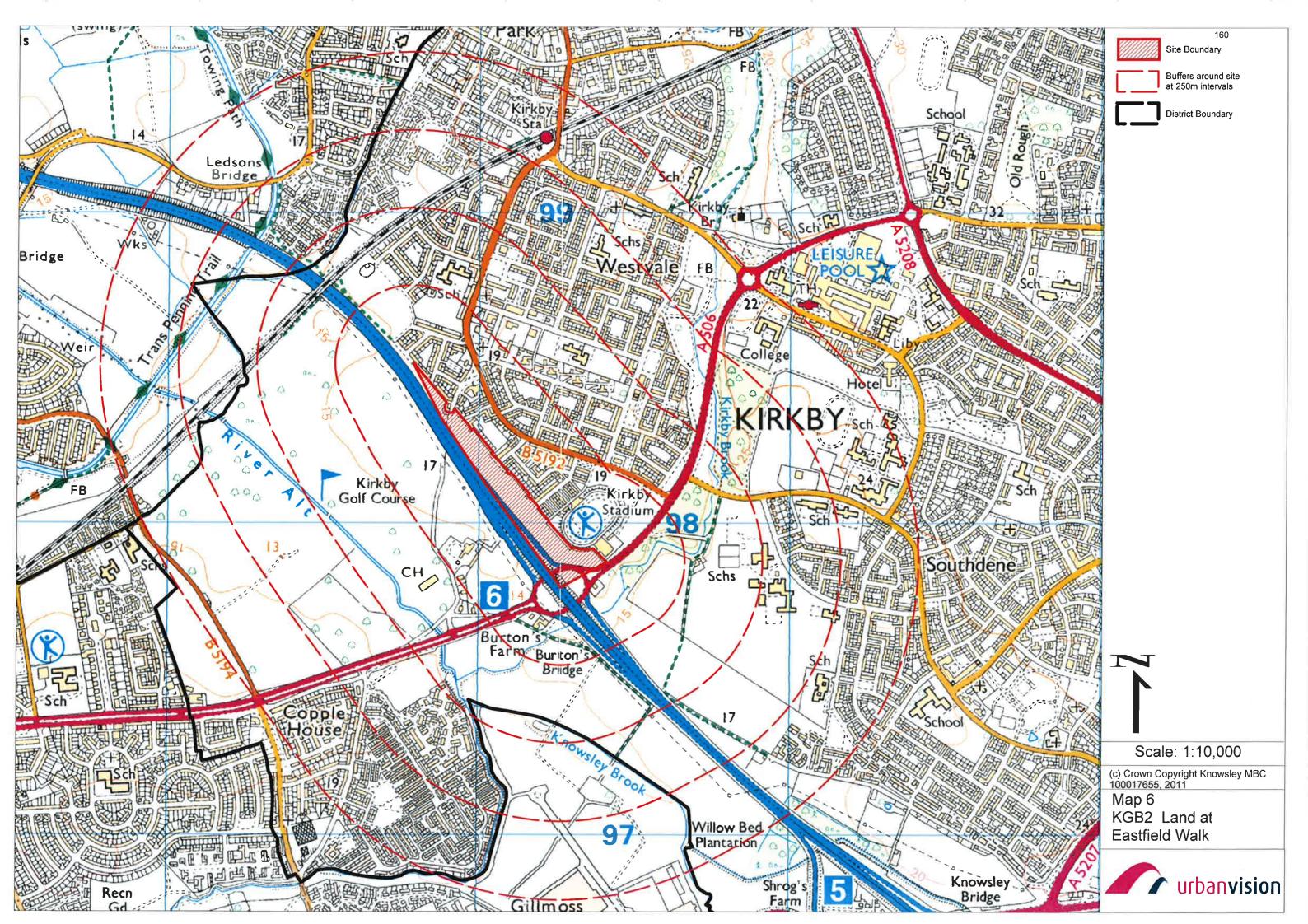
KGB 6 - Land at Knowsley	y Village							
		Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	and, as red has the por convenient recognised characteris deliver a de transport p	a range of lo cognised by the tential to inter walking dist walking dist that the site sed by a relater evelopment the rovision. New	he draft Kno grate with ex ance of all p is not within tively high le hat encoura vertheless, th	wsley and Seftor kisting transport in arts of the site an close proximity of vel of car depend ges walking and of	n Green Belt St nfrastructure. N nd only part of th of a large distric lence and there cycling and the d certainty abo	udy – Knowsley Rej levertheless, becau he site are within a ct/town centre. It is t by have a negative development propo	Secondary impacts on air quality and greenhouse gas emissions mary schools, a GP and health centre a port (2011), the site is located on the frir se of the size of the site, these local fac buffer zone for buses and there are no r herefore considered that the proposals impact on this objective. The master pla osals are also of a scale which could pro- It is therefore considered that the proposals	nge of the urban area and therefore ilities would not necessarily be within nearby train stations. It is also could result in a development anning process could however help ovide for enhancements in local
E11. To minimise the production	0	0	0	Medium	N/A	N/A		
of waste and increase reuse,	Comments	-						
recycling and recovery rates.	Unlikely to	have any sig	nificant effe	cts.				
Economic								
EC1. To improve the	+	+	+	Low	More than	Long term	Contribution to overall pool of jobs in	
competitiveness and					local		the Borough	
productivity of business, exploit	Comments							
the growth potential of business							vertheless, they are of a scale where th	
sectors and increase the							into the area. There is however only lin	
number of new businesses.	increase th	e number of	new busines	sses or exploit the	e growth potent	tial of business sect	ors and thereby have a positive impact	on this objective.

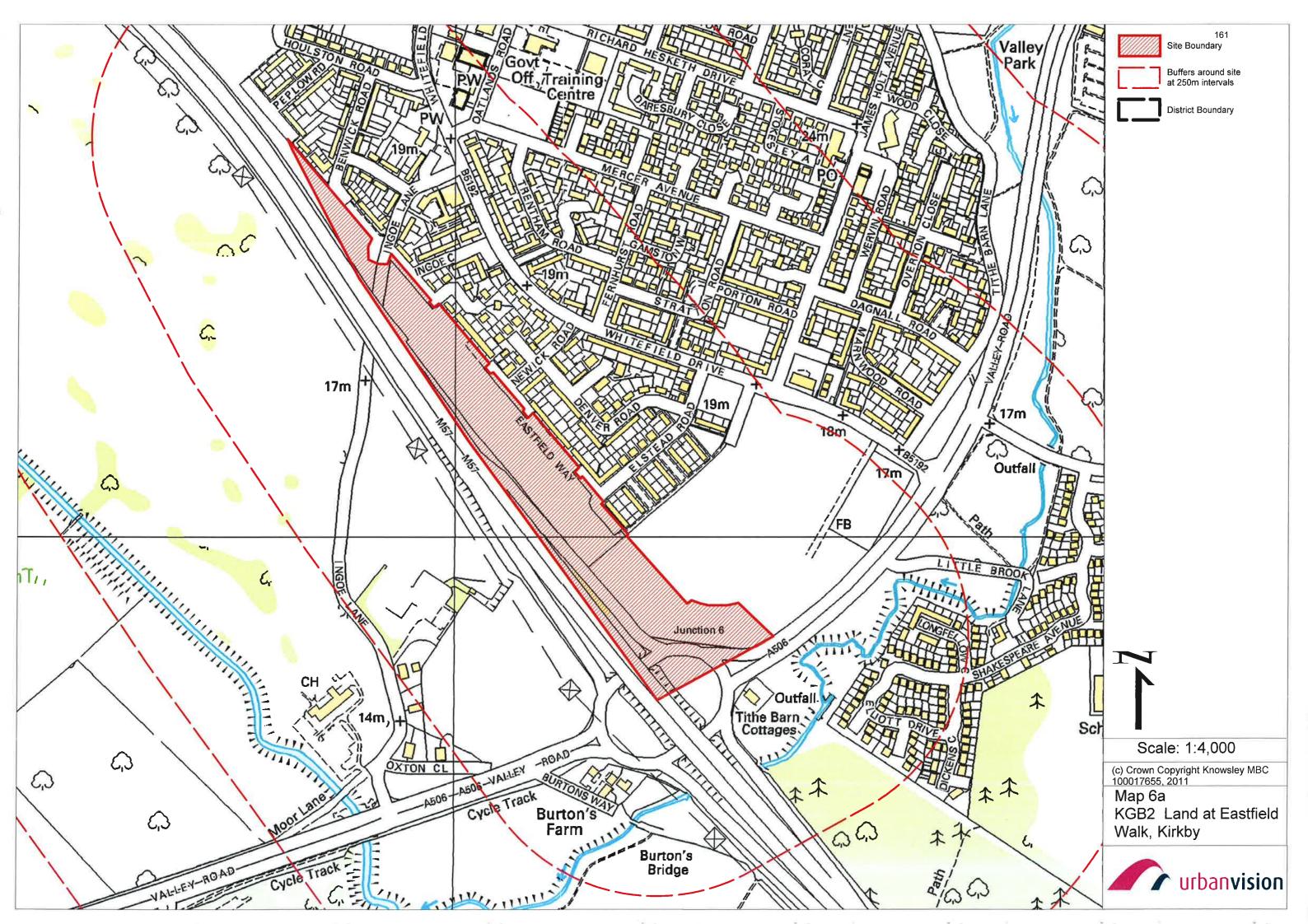
KGB 6 - Land at Knowsle				1		Nature of Ef		
SA Objective		Timescale	•					
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
EC2. To enhance the vitality and viability of town and local	+	+	+ +	Medium	More than local	Long term		
	local centre		ane by incre				sitive impact on the vitality and viability or erefore considered that the proposals have been been been been been been been be	
EC3. Maintain high and stable levels of employment and	local centre	e on Sugar L	ane by incre					
	local centre positive im + <u>Comments</u> Given the s the potentia	e on Sugar L pact on this o + <u>::</u> scale of the p al to have so	ane by incre objective. + proposals, thome positive	Medium e construction of	More than local the housing is jective. The pro	ese centres. It is th Long term likely to generate s	erefore considered that the proposals have been seen as a secondary impacts on deprivation	ave the potential to have a significat

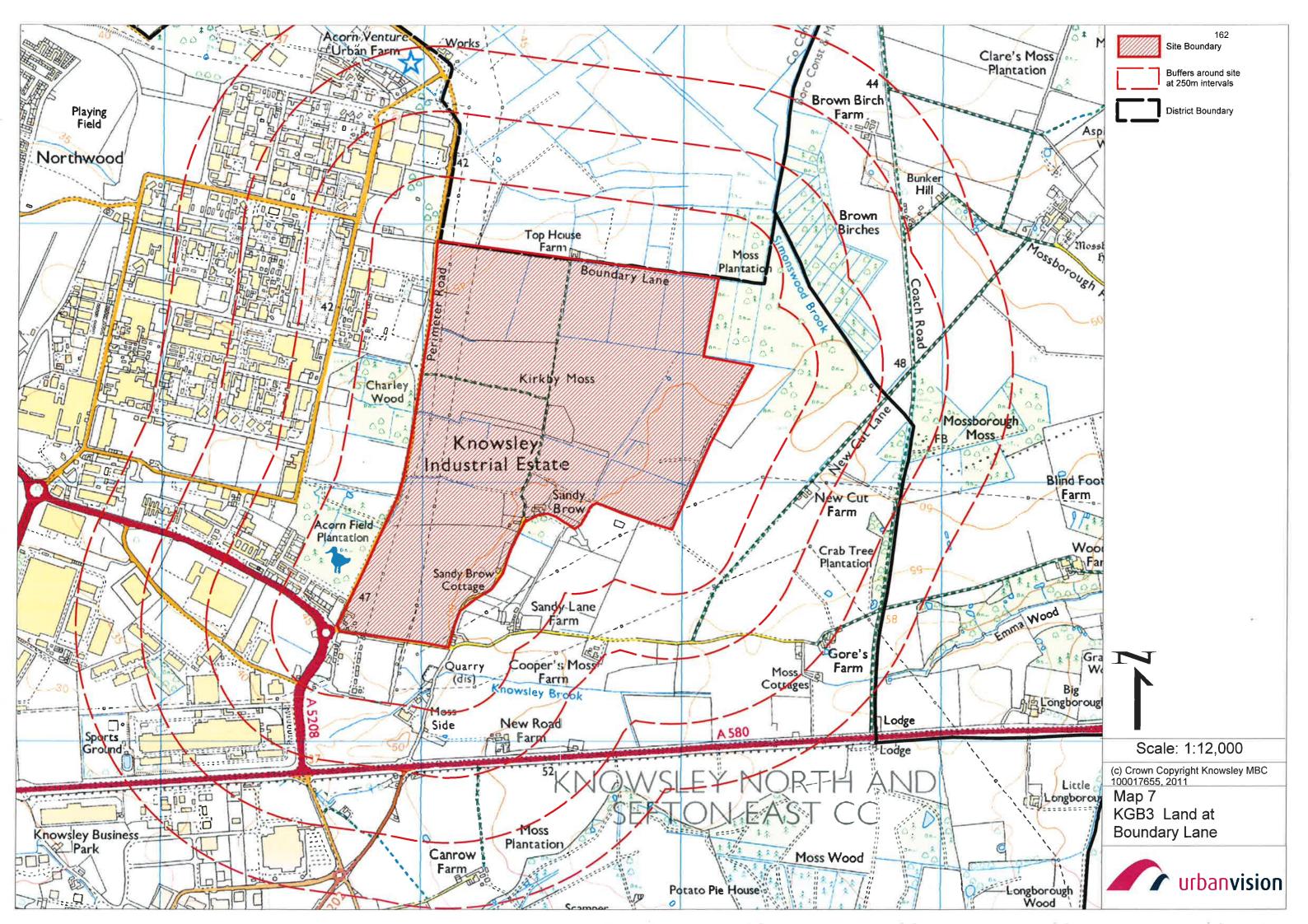
	ey Village Timescale							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
otential to make an important cont ood quality, affordable and resource lso considered to be of a scale whe evelopment would have some positi urthermore, the additional expendi ncouraging further investment in the pevelopment in this location would re- iability of these services and faciliti menities. Nevertheless, the level of the appraisal of Land at Knowsley V large swathe of greenfield land the esignation. It is therefore consider infrastructure. Key mitigation measu ndertaking appropriate ecological s WS designation, it is considered to	ribution to ho e efficient ho here it could ive impact of ture generate e area could esult in the p es. It is there certainty of t fillage did ho at contribute ed that the p res to reduce urveys, prote be unlikely th	busing needs busing; and generate a in the objecti ed by develo also help su provision of h efore consid this impact is wever identi s to the loca potential develo the level o ecting areas hat the impact	s identified i its sub-object number of e ves relating opment in the stain existing nousing on a ered that de s reduced by fy a number al landscape velopment w f impact are of woodland ct on the obj	n the Strategic H ctive or providing employment and to reducing pover is location could g local employme a site that is in clo evelopment in this the fact that som of potential negate character and w rould be likely to likely to include , and securing ap ective relating to	ousing Market a wider choice training opport ty and social d result in a sig nt and have a p se proximity to contain would be of these facil tive impacts or hich contains have a major ensuring devel propriate lands biodiversity cou	Assessment (2010) e of accommodation unities during the c eprivation; improvin nificant positive imp positive impact on th a range of existing d have some positiv ities would not be w in the sustainability of areas of priority hal negative impact or opment is built to ar caping and on-site of ld be wholly mitigat	particular, given the scale of the propose of and have a significant positive impact to create a greater tenure mix. The propostruction of the development. It is the g training and opportunities for lifelong act on the vitality and viability of Know e objective that is concerned with busin local services and facilities. It could als re impact on the objective relating to the ithin convenient walking distance of all bjectives. In particular, development in pitat (woodlands) and is itself largely cont the objectives relating to landscape; in appropriate density to minimise the no popen space provision. However, given the ed.	t on the objective relating to pro- be the objective relating to pro- be the objective relating to pro- be the objective relating the pro- bess growth and local centres of the set of the local centres of the set of the location to the cor- be accessibility of goods, service barts of the location. This location would result in the bovered by a Local Wildlife Site biodiversity; land and soil; and eed to release further greenfield that the location is largely covered
rotecting air quality. Mitigation me levelopment is accessible by a choic	asures recor	mmended to of transport.	reduce the The possibl	e degree of impa e impact on the tl	ct on these of	ojectives include se Archaeological Sites	curing improvements to the public tra within the location and Knowsley Villagerve, enhance and manage Knowsley's	nsport network and ensuring ti ge Conservation Area also resul
							f adapting to climate change due to the as being susceptible to ground water flo	

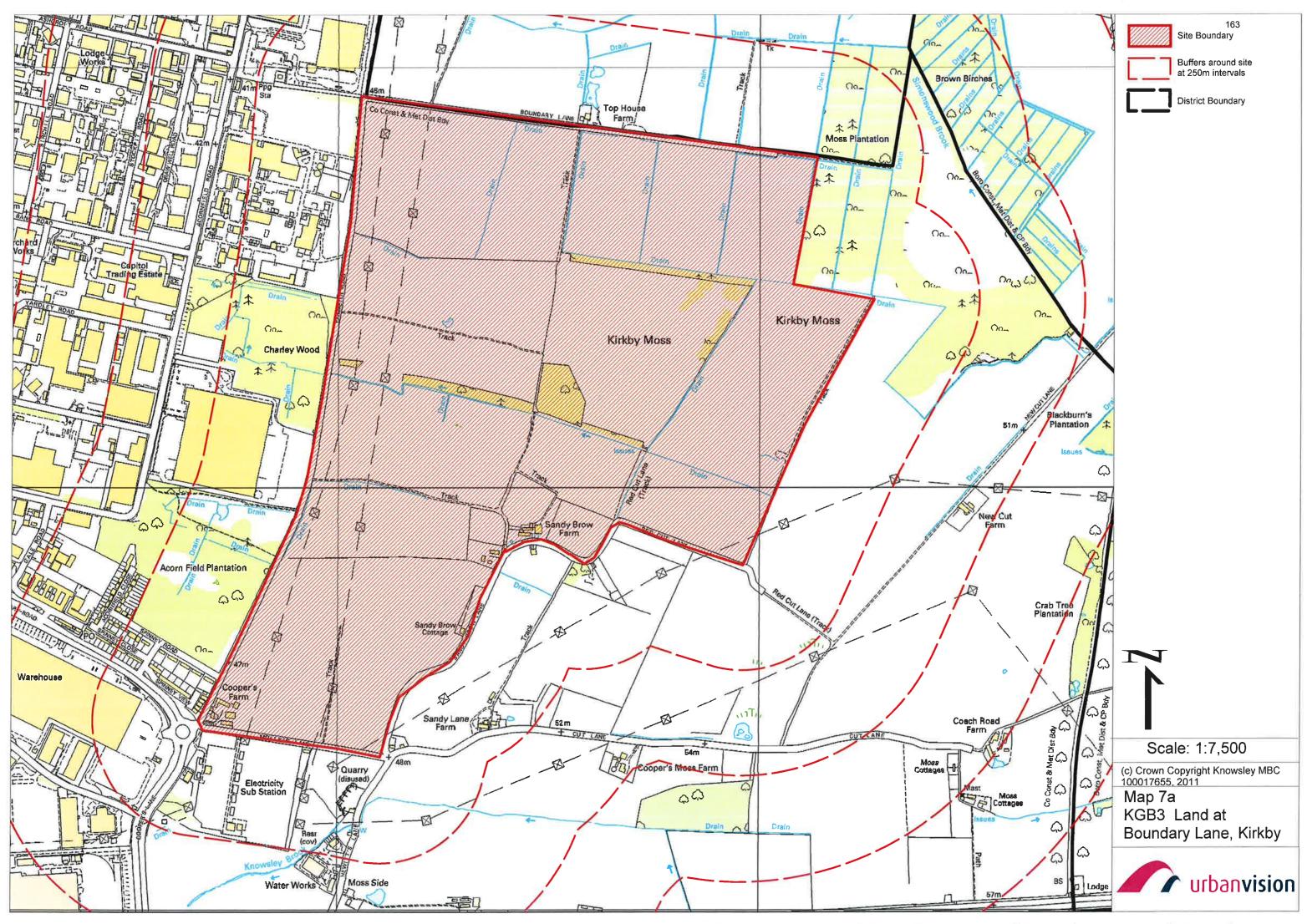
## Appendix 8

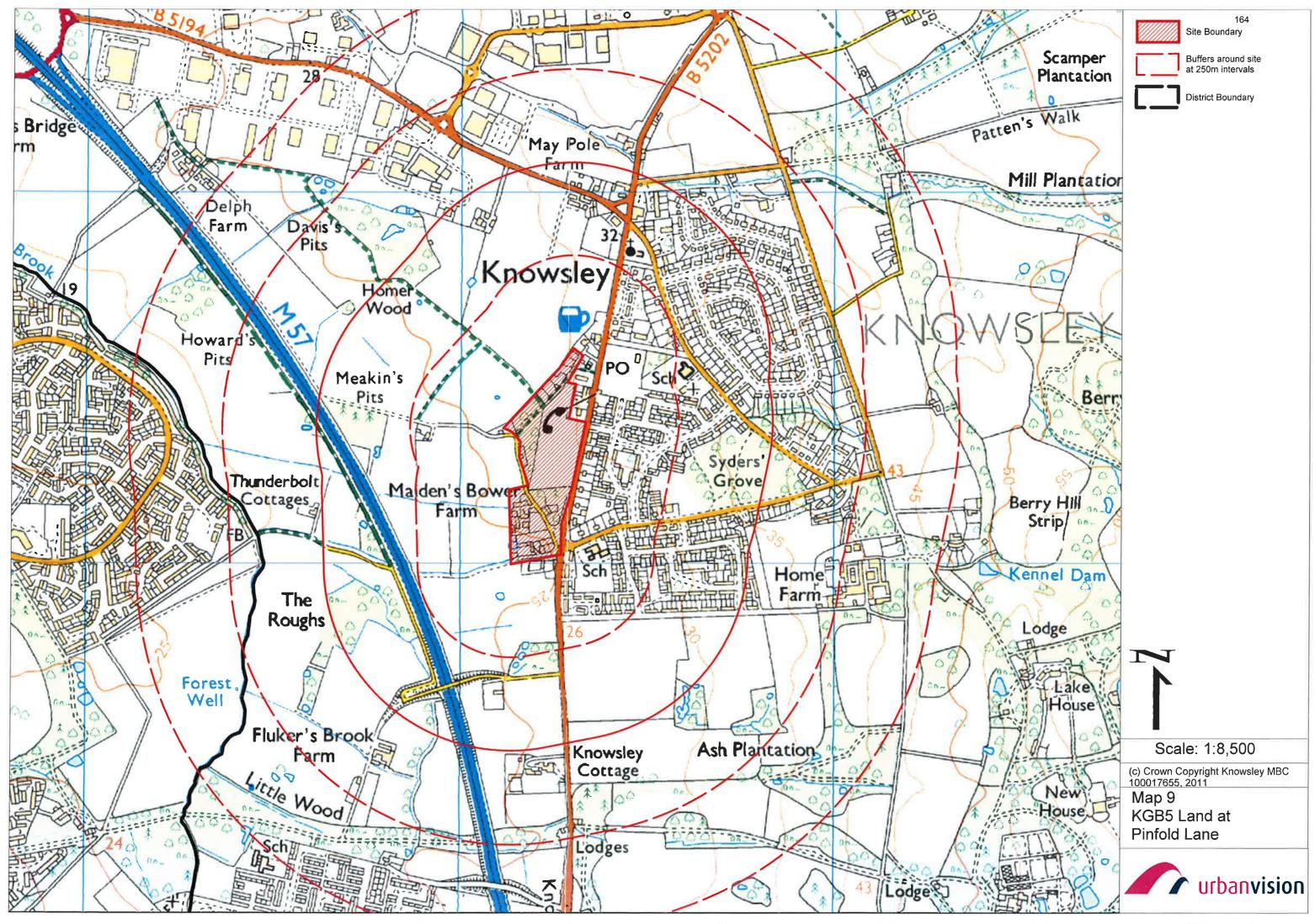
Locations Discounted by the Draft Green Belt Study Maps

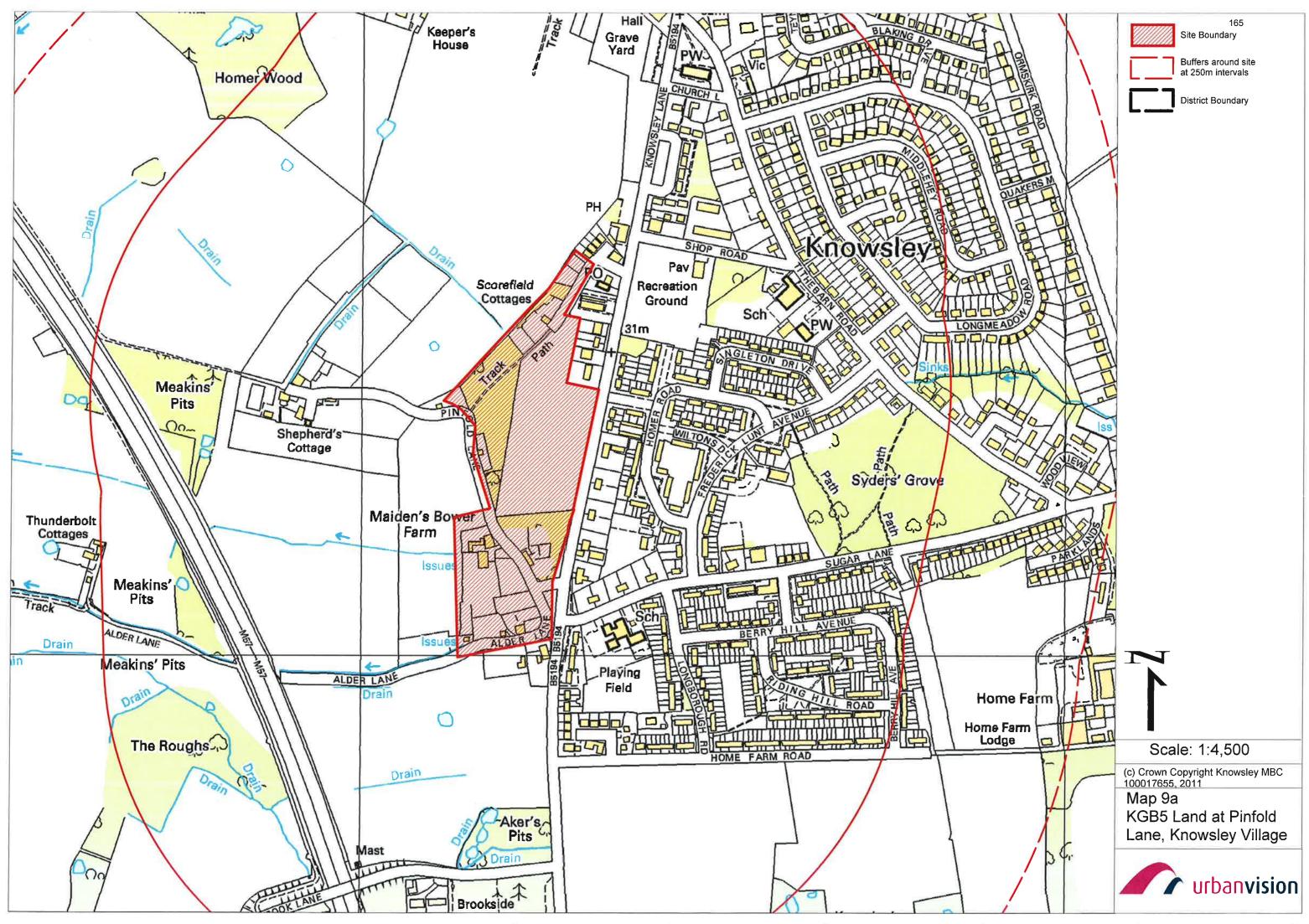


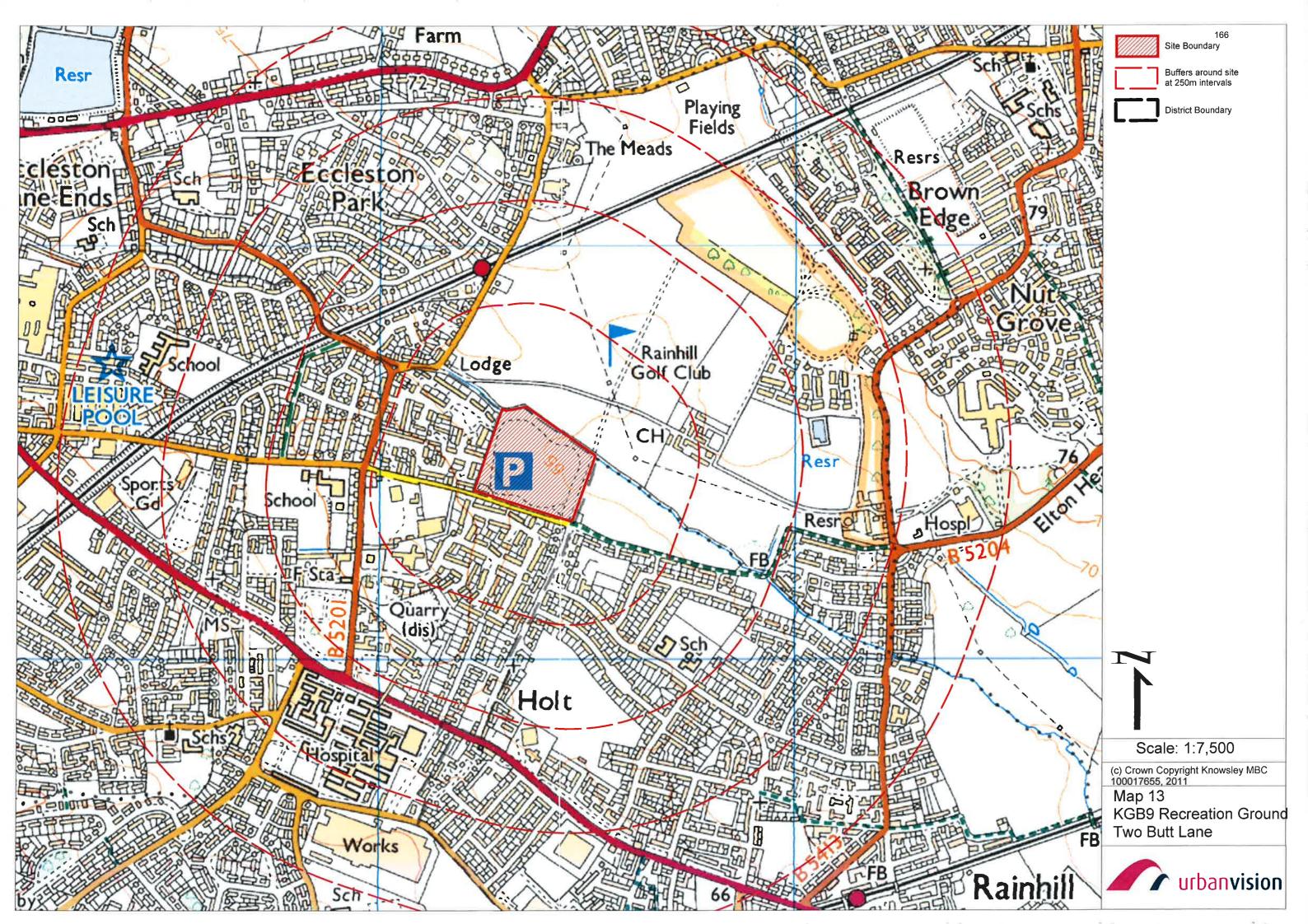


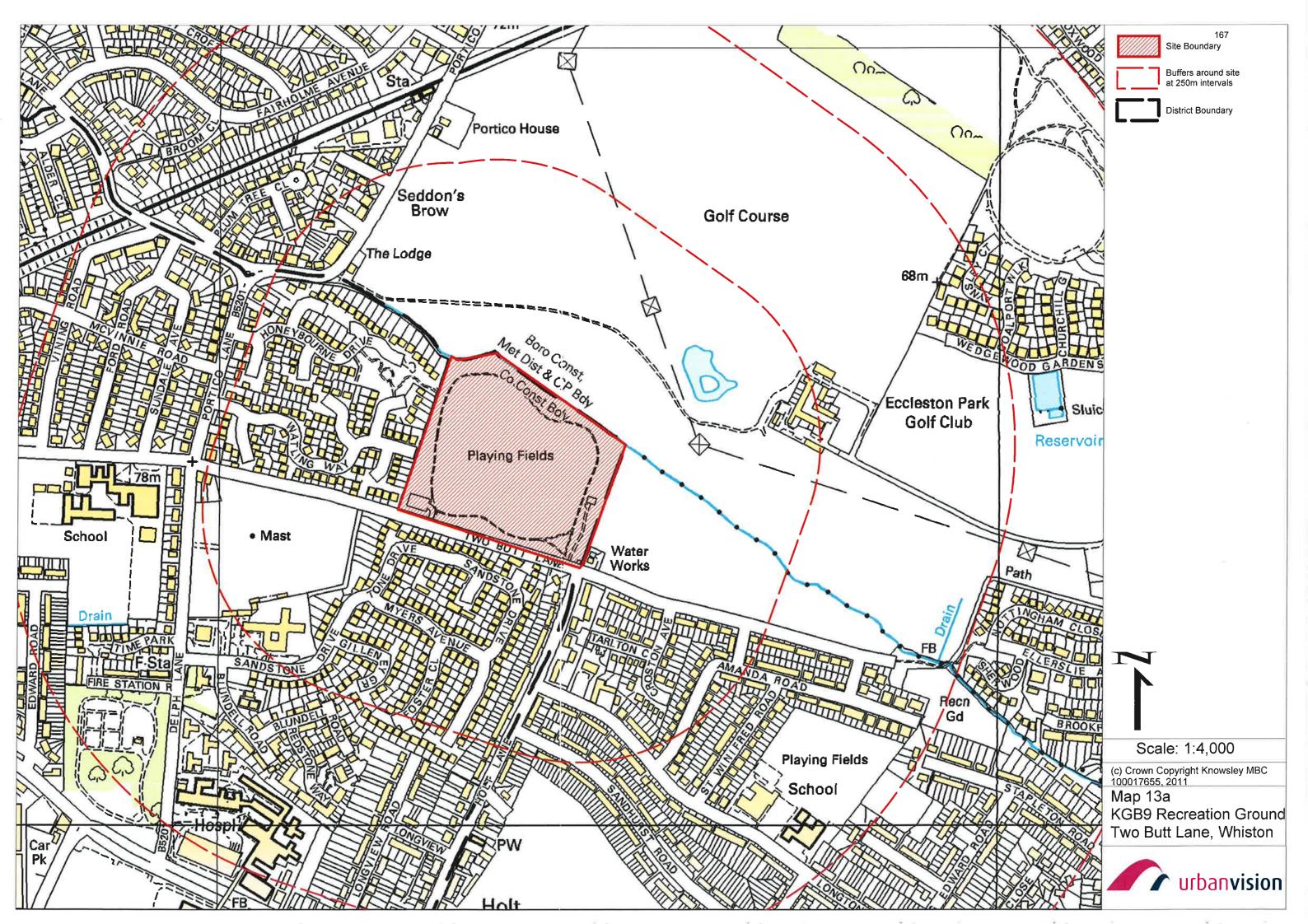


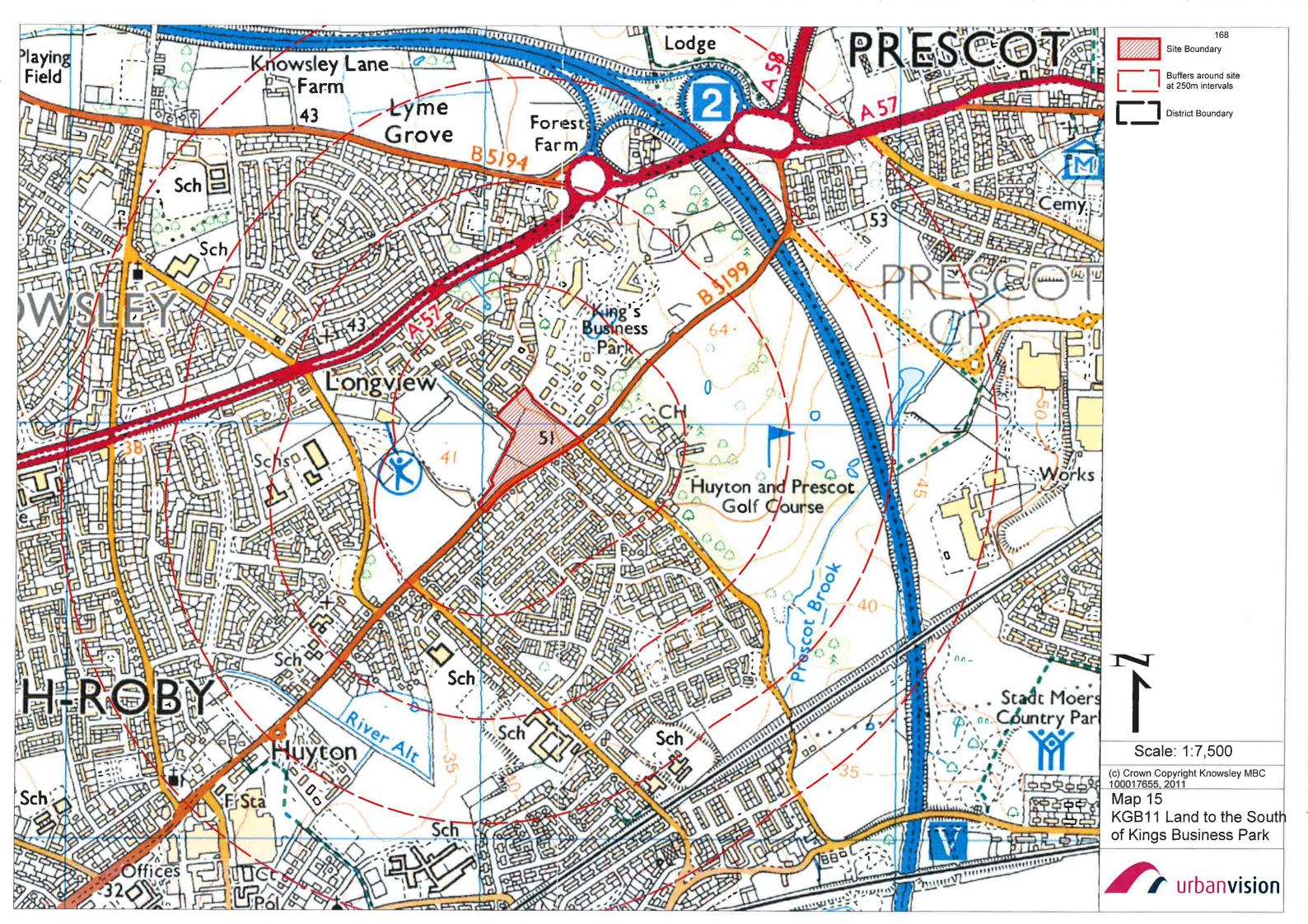


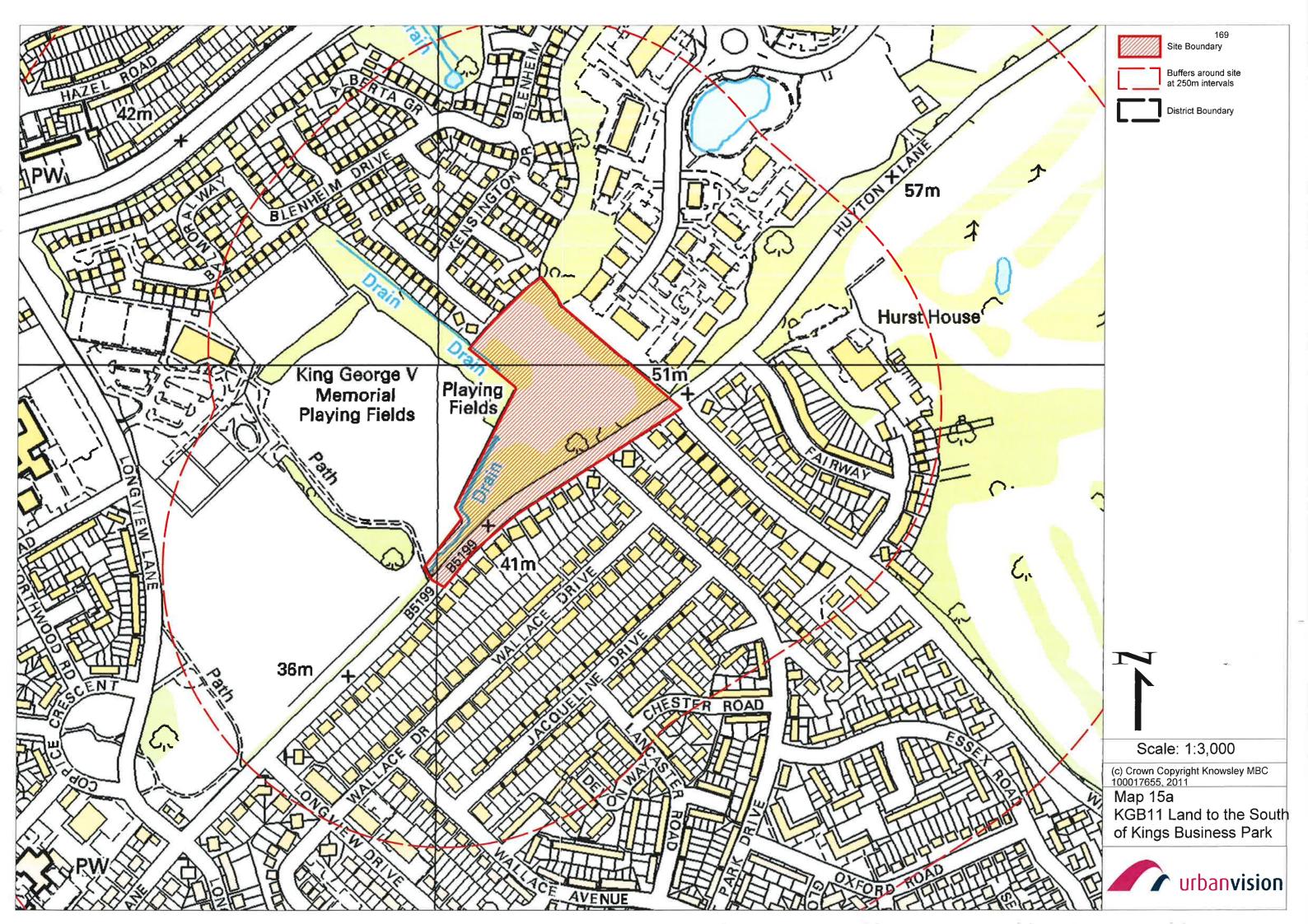


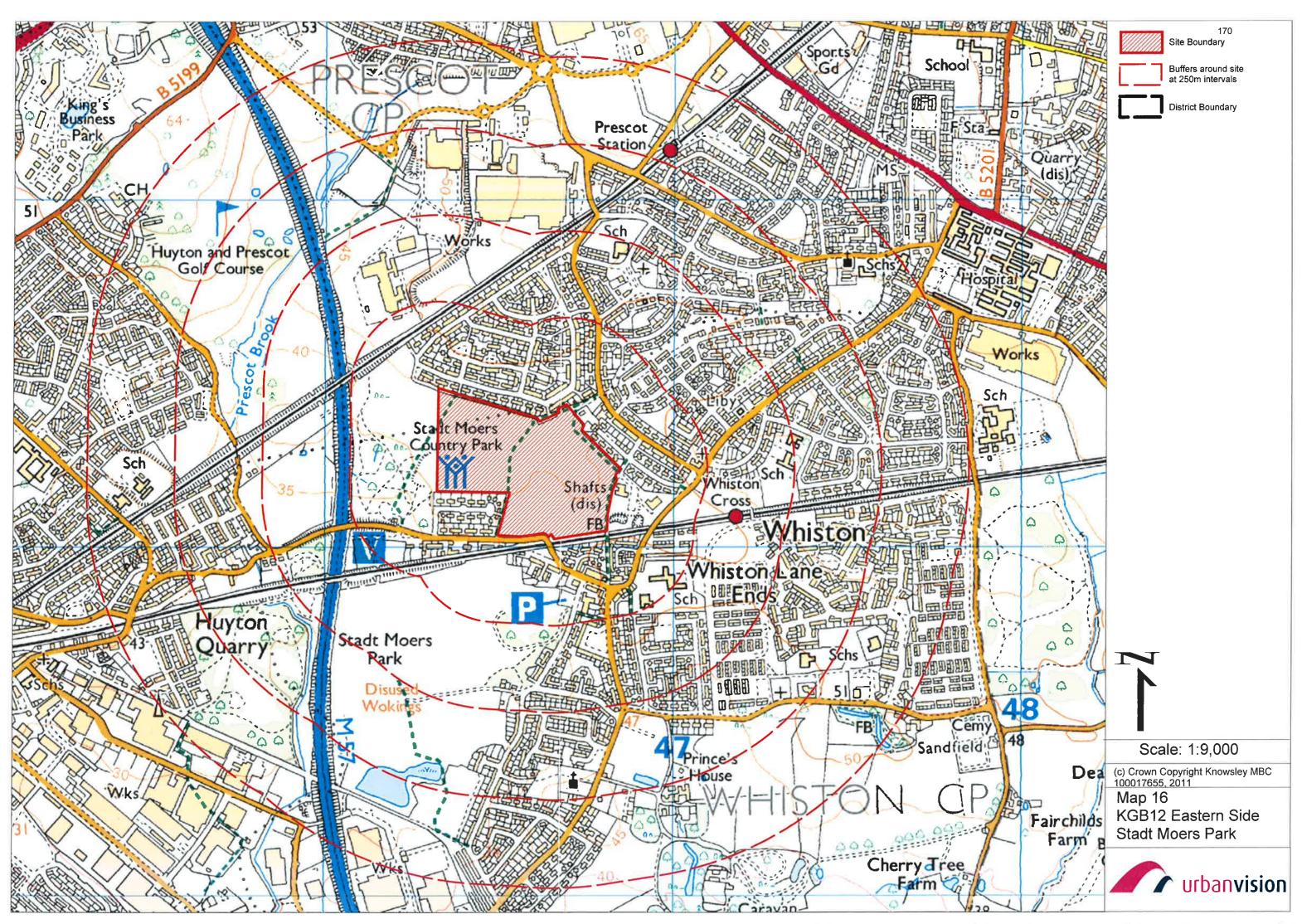


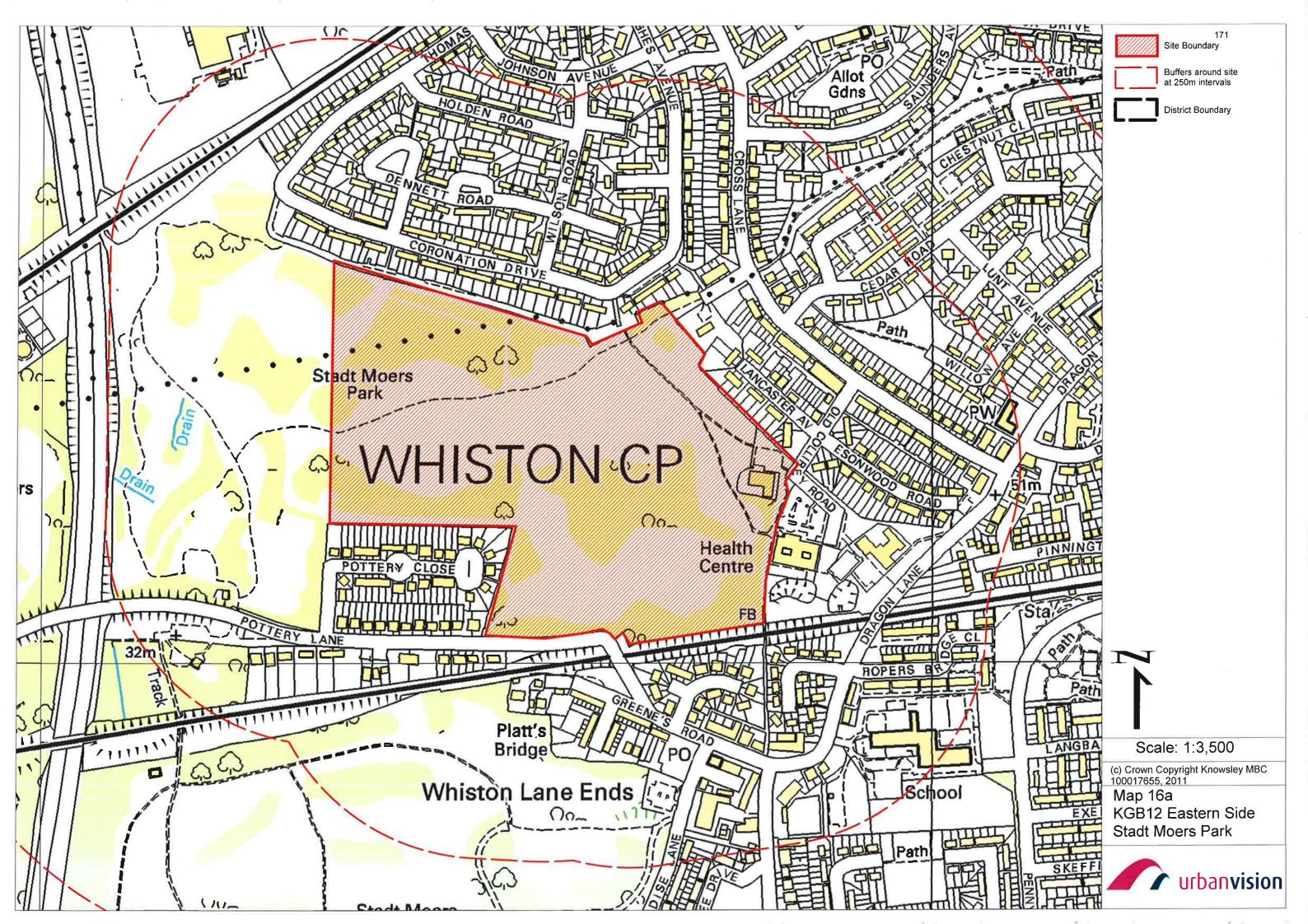


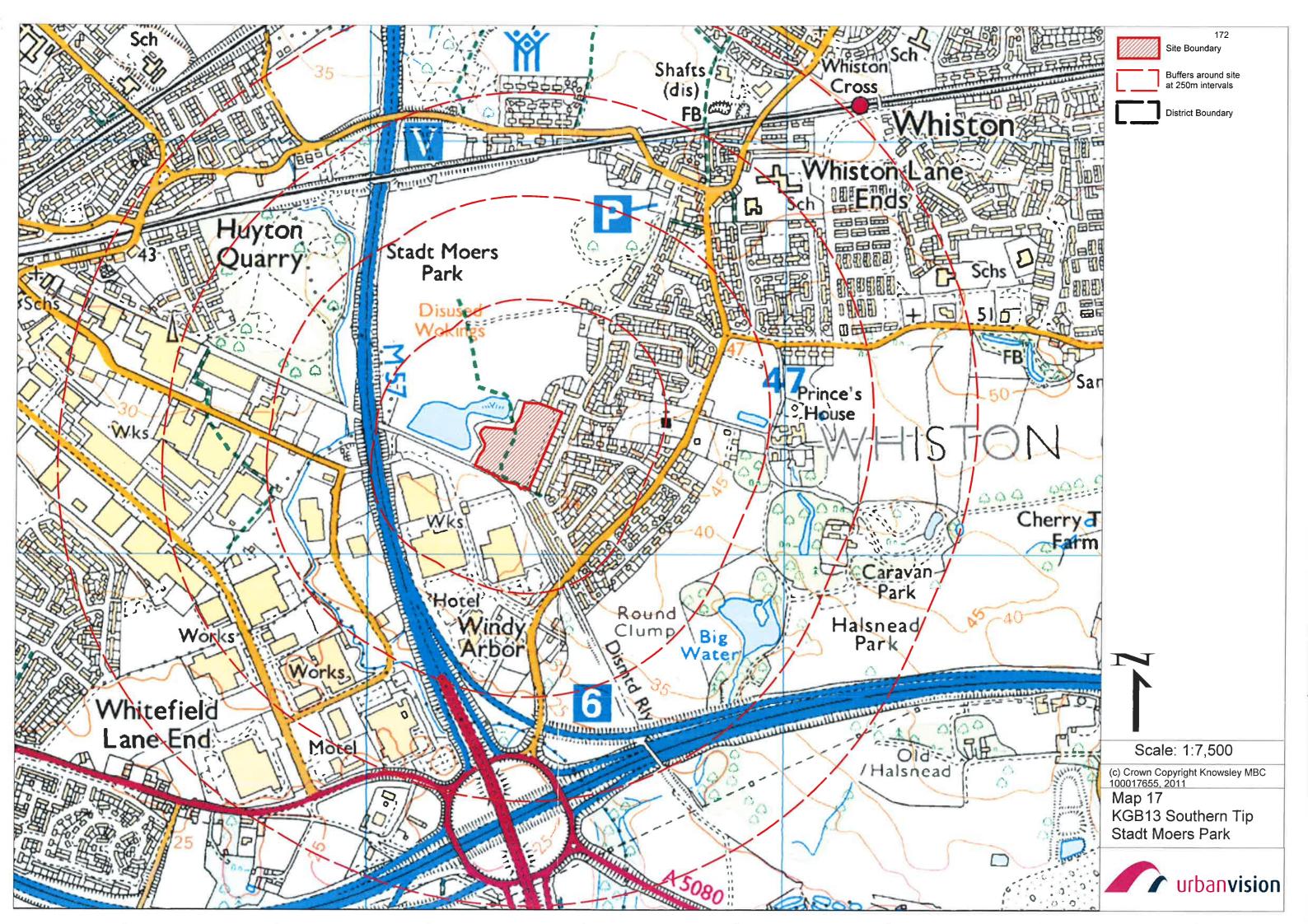


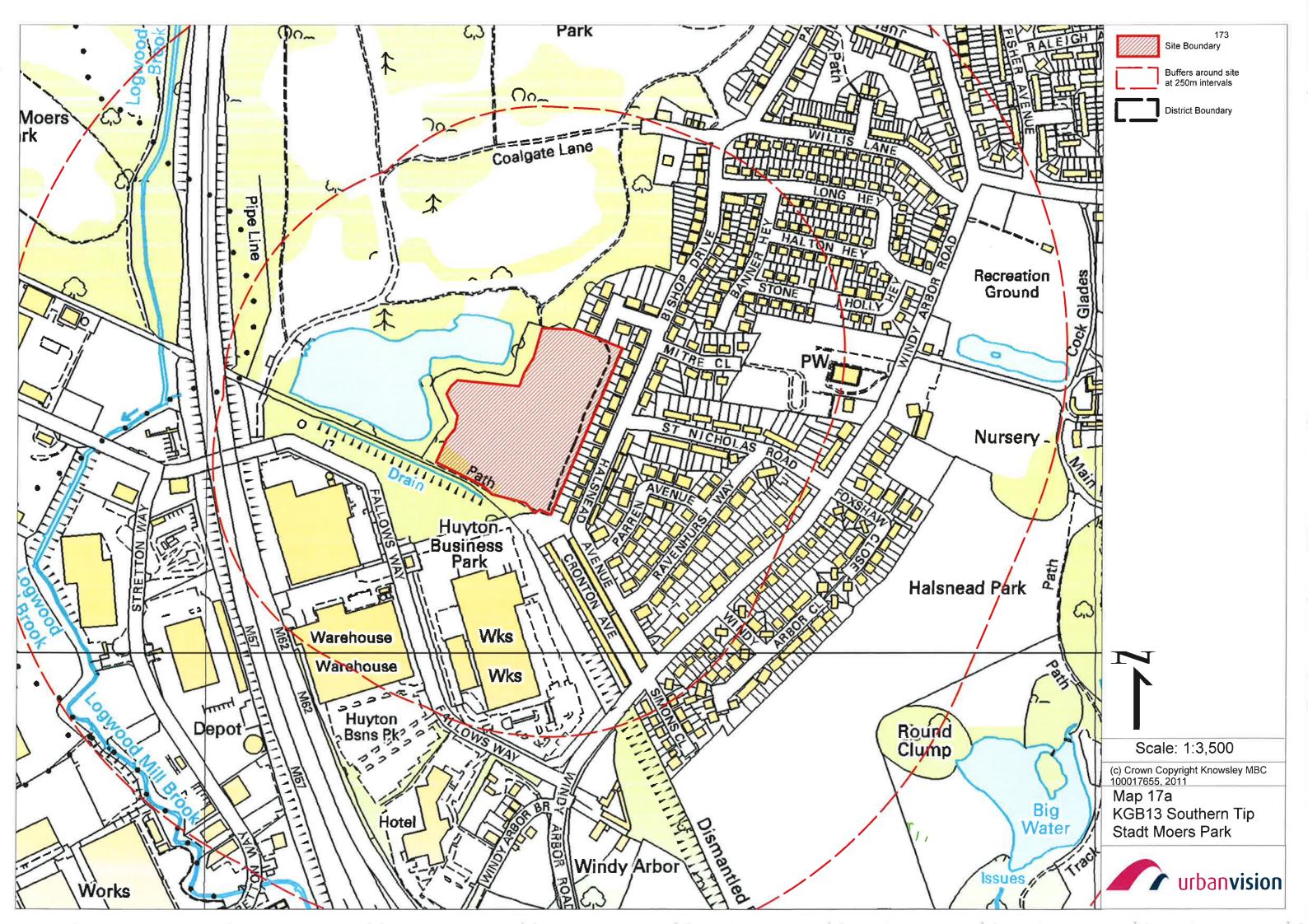


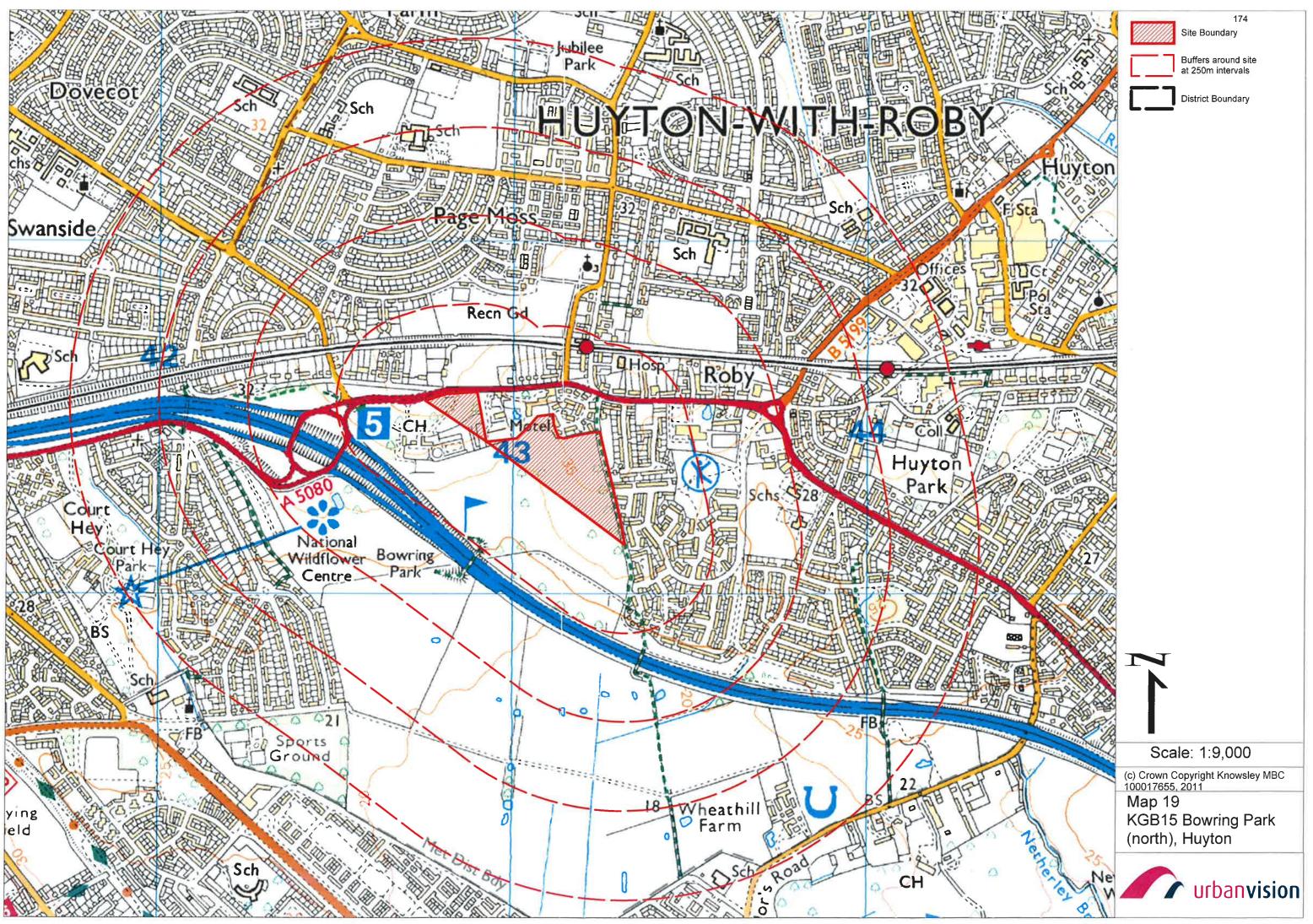


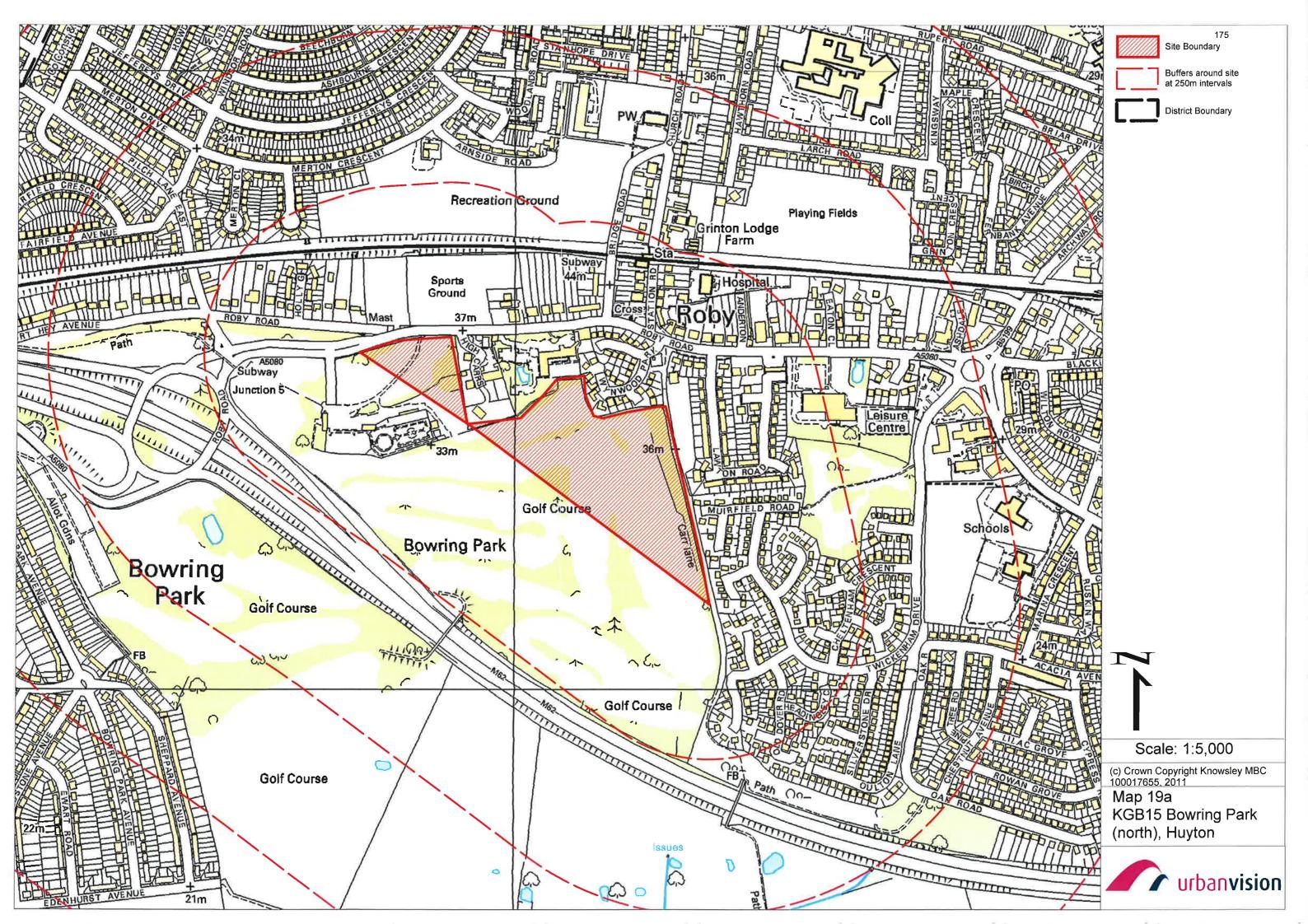


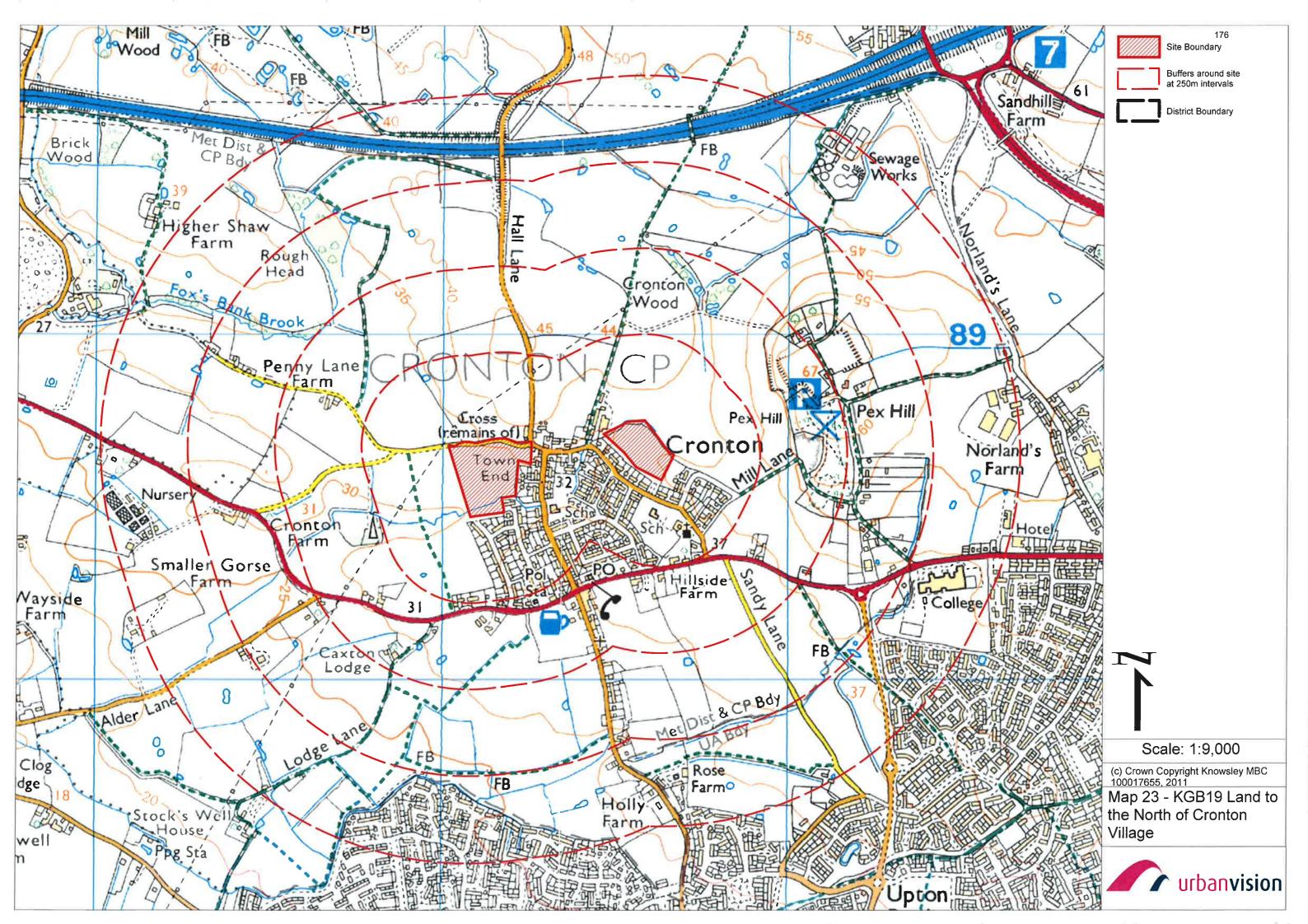


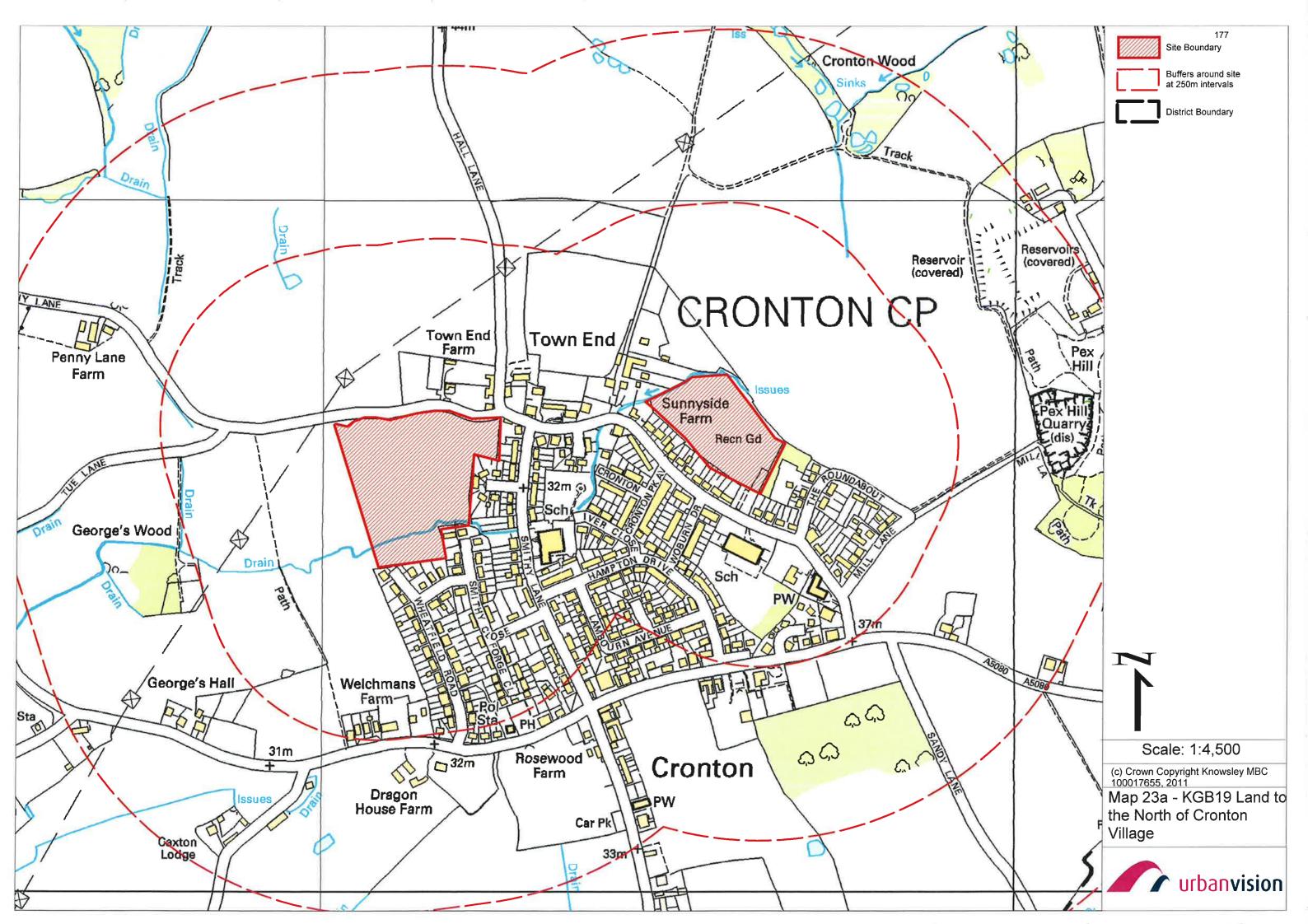












## Appendix 9

## Sustainability Appraisal of the Locations Discounted by the draft Knowsley Green Belt Study

KGB 2 - Land at Eastfield	Walk, Ki	rkby								
SA Objective		Timescale	9							
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
Social	•	-	-	•	<u>-</u>	-	•	•		
S1. To reduce poverty and social deprivation and secure economic inclusion.	0         0         0         Medium         N/A         N/A <u>Comments:</u> The site is not located within an identified regeneration area. Nevertheless, it falls almost entirely within a Lower Super Output Area that was found to be within 3% most deprived nationally in the 2010 Indices of Multiple Deprivation. Nevertheless, due to the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposals it is considered that they are unliked or the small scale of the proposal sc									
S2. To improve local accessibility of goods, services and amenities and reduce community severance.	+ <u>Comments</u> The proposition the cycle route is the alth center occupants is continued in the content of the content of the content of the content of the cycle route is the content of the cycle route is the cycle route i	sals are not at is in close a. There are tre approxim of the site w viability of th	+ proximity to a range of lo ately 200m t ith easy acce ese services	Medium here they would in the A506 Valley F cal facilities and a o the east of the s ess to existing ser and facilities. It is	Road which pro amenities that a site. The propo rvices and facil s therefore con	ovides a regular bus are readily accessibl sal would therefore ities by a choice of r	es. The proposals would however result service to Kirkby and Liverpool and also e from the site a parade of shops on Ric lead to the provision of housing in a loca means of transport. The proposals would posals have the potential to have a positi	within the 800m buffer zone of a shard Hesketh Drive and a GP and a ation which would provide the future d also make a contribution to the		
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments Unlikely to	0	0 gnificant effe	rvices and ameni Medium cts. Other policies	N/A	N/A trategy are likely to o	ensure that all new development is desig	gned in a way that reduces		
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0     0     0     Medium     N/A       Comments: Unlikely to have any significant effects.									
S5. To improve health and reduce health inequalities.	?	?	?	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site open space provision.		

KGB 2 - Land at Eastfield	Walk, Ki	rkby								
		Timescale	•							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The proposals are unlikely to be of a scale where they would incorporate on-site health facilities, it is however noted that there is a GP and a health centre approximately 200m to the east of the site and a leisure centre within 1.5km of the site. The future occupants of the site would therefore benefit from good access existing facilities and the proposals could help support their continued viability. Nevertheless, the site itself is defined in the UDP as Urban Greenspace and is presently used for informal recreation. Consequently, whilst the future occupants of the site would benefit from close proximity to health facilities and opportunities the participation in sport, the development of the site may result in the loss of some local opportunities for informal recreation. It is therefore considered that the impact of the proposals on the objective is uncertain.									
S6. To provide good quality, affordable and resource efficient housing.	?	?	?	Low	Local	Long term	Cumulative impact with other developments on securing a more balanced housing market.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.		
	<u>Comments:</u> The proposals have the potential to contribute towards Kirkby's housing needs as identified by the Strategic Housing Market Needs Assessment (SHMA). In particular, the SHMA established that a high proportion of the housing stock in Kirkby is socially rented and that there is a shortage of detached properties. The site has the potential to deliver a range of housing types and tenures and the proposals could thereby have a positive impact on the objective of providing good quality housing. The proposals could also have a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix. Nevertheless, given the small capacity of the site, it is considered that the proposals would have a limited impact on efforts in Kirkby to re-balance the housing market. The site's limited capacity may also have a negative influence on the financial viability of the development, and particularly accounting for contributions towards the provision of affordable housing. In addition, the proximity of the site to the motorway may provide a poor environment for the occupiers of the development. It is therefore uncertain whether the proposals would make a positive contribution to the objective.									
S7. To improve educational attainment, training and opportunities for lifelong	0 Comments The propos	sals may ger	0 nerate some	Medium training opportuni	N/A ities in the cons	N/A struction sector. In a	ddition, the development of this site for i	esidential purposes will provide		
learning and employability.	additional members of the working age population and could support the continued viability of existing education and training facilities. However, given t is considered that the proposals for the site are unlikely to have any significant impact on this objective.									
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A				

KGB 2 - Land at Eastfield	Walk, Ki	rkby									
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	Ingoe Lane number of approximation affected by	Comments: Ingoe Lane Conservation Area is located to the west of the site. The Conservation Area is however separated from the site by the M57 motorway. There are a number of Grade II listed buildings/structures on Ingoe Lane to the east of the site. These listed buildings include the former Corporation Rent Office which is approximately 60m to the east of the site, Pigeon House and Dovecote. It is however noted that the setting of these listed buildings/structures has already been affected by other housing development and, as such, it is considered that the proposals are unlikely to result in further detriment to the significance of these herit assets. Accordingly, it is considered that the proposals would have no significant impact on the objective.									
Environment											
1. To protect, enhance and nanage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Medium	Local	Long term	Secondary impacts on biodiversity	Seek to retain woodland strip on the western boundary of the site. Other policies in the Core Strategy should seek to retain on-site trees or secure adequate replacement planting.			
	The Draft F This study the M57 m Belt. The s screen the	<u>Comments:</u> The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) considers that the site forms part of an essential gap between Kirkby and Fazakerley. This study does however acknowledge that development on this site would not significantly reduce this gap between these two settlements. It is also considered that the M57 motorway on the western edge of the site forms a strong, defensible boundary that would reduce the likelihood of further expansion of Kirkby into the Gree Belt. The site does however presently acts as a landscape buffer between the M57 motorway and housing to the east. It contains a strip of mature trees that partial screen the motorway from these houses and which contribute to the landscape character of the area. The proposals could therefore have an adverse effect on the local landscape character unless the identified mitigation measures are implemented.									
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	_	_	-	Low	Local	Long term		Undertake appropriate ecological surveys. Other policies of the Core Strategy should ensure that other appropriate mitigation measures are implemented, such as the provision of on-site habitats or retention of the woodland.			

KGB 2 - Land at Eastfield	Walk, Ki	rkby								
		Timescale	•			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The entire site falls within the River Alt, Kirkby Brook, Knowsley Brook, Croxteth Brook and Croxteth Park Corridor. The site also contains a strip of Priority Habitat (woodland). There is a designated Local Geological Site (LGS) approximately 35m to the south east of the site. However, the site is separated from this LGS by the A506 Valley Road and, as a result, the proposals are unlikely to have any significant impact on the value of this site. The proposals would however have the potential to result in the loss of Priority Habitat (woodland) and could thereby have a negative impact on the objective unless the identified mitigation measures are implemented. It is however acknowledged that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value there can only be limited certainty about their impact on this objective.									
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk.		
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFF (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are I suffer the consequences of groundwater flooding. The proposals would however result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temper associated with climate change.									
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.		

KGB 2 - Land at Eastfield								
		Timescale	-		1	Nature of Eff		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
renewable sources.	Comments:           The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to h impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new develop designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as ider Liverpool City Region Renewable Energy Capacity Study (2009) and the area is not in particularly close proximity to a site identified by the Knowsley Low Carbon Energy Options study (2009) as a potential location for implementing district heating. The proposals are therefore unlikely to deliver a recemissions beyond those required by Local Plan policies.           The site is located in close proximity to the A506 Valley Road which provides a regular bus service to Kirkby and Liverpool and is also within the 800r a cycle route. There are also a number of local facilities within walking distance of the site including a parade of shops on James Holt Avenue and a C centre approximately 200m to the east of the site. The proposal would therefore lead to the provision of housing in a location which is relatively well s transport and within walking distance of community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to trav encourage the use of sustainable transport modes.           Consequently, whilst the proposals would inevitably result in some carbon emissions and could thereby have a negative impact on the objective and it is considered that it is uncertain whether the impact on this objective would be significant due to the scale of the proposals and also because of the development to result in sustainable patterns of travel.							
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy should seek to retain areas of woodland.
	noted that linkages in developme	sals would re the site is ac the Core Sti ent would be	ljacent to the rategy Prefe likely to have	e M57 Green Belt rred Options repo	Corridor 'Strate rt and the Draft	egic Green Link' white Knowsley and Sefter	ction as part of the Borough's Green Infr ch was identified as one of the Borough on Green Belt Study – Knowsley Report is Strategic Green Link. It is therefore co	s important strategic greenspace (2011) concludes that the

KGB 2 - Land at Eastfield												
	-	Timescale	9			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
	therefore h within 20m landfill site levels of cc considered	The proposals would result in the loss of a greenfield site which comprises entirely of Grade 2 Best and Most Versatile agricultural land. The proposals would therefore have a negative impact on the objective and the sub-objective of directing new development to previously developed land. It is however noted the site is within 20m of a former landfill site to the south west and the proposals may present some opportunities to address any land contamination associated with the forme landfill site. This would have a positive impact on the sub-objective of reducing the amount of contaminated land. Nevertheless, given the limited certainty about the levels of contamination on the site and taking into account the fact that the proposals would result in the loss of Best and Most Versatile agricultural land, it is considered that the proposals are likely to have an overall negative impact on the objective.										
E7. To protect, improve and	0	0	0	Medium	N/A	N/A						
where necessary, restore the		Comments:										
quality of inland, and estuarine	Unlikely to	Jnlikely to have any significant effects.										
waters.		-	-									
E8. To protect, and where	0	0	0	Medium	N/A	N/A						
necessary, improve local air	Comments	-										
quality.							2011), the site is located on the fringe o					
							oximity to the A506 Valley Road which p					
							also a number of local facilities within w					
							200m to the east of the site. The propo					
							within walking distance of a range of cor					
							age the use of sustainable transport mo					
			,	2 /			have a significant impact on this objection					
E9. To use water and mineral	0	0	0	Medium	N/A	N/A						
resources prudently and	Comments	_		-1-								
efficiently.	Unlikely to	have any sig	gnificant effe	CIS.								
E10. To reduce the need to travel	+	+	+	Medium	Local	Long term						

KGB 2 - Land at Eastfield	Walk, Kii	rkby						
		Timescale	;			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
and improve choice and use of more sustainable transport mode.	potential to Kirkby and parade of s provision o the proposi- have a pos	sed by the D integrate wi Liverpool ar shops on Ric f housing in als have the itive impact	th existing tr nd is also wit hard Heskel a location w potential to on the object	ansport infrastruc thin the 800m buff th Drive and a GP hich is relatively w reduce the need t tive and its sub-ol	ture. The site is er zone of a cy and a health c vell served by p o travel and to bjective of enco	s located in close prices of the second seco	2011), the site is located on the fringe or oximity to the A506 Valley Road which p also a number of local facilities within w 200m to the east of the site. The propo within walking distance of community fac of sustainable transport modes. According transport use.	provides a regular bus service to valking distance of the site including a sal would therefore lead to the cilities. It is therefore envisaged that
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to	<u>       0          0                  </u>	0 gnificant effe	Medium	N/A	N/A		
Economic	<u>.</u>							
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	0 Comments The propos		0 at Eastfield	Medium Walk do not inclu	N/A de an employn	N/A nent element and ar	e therefore unlikely to have a significant	effect on this objective.
EC2. To enhance the vitality and viability of town and local centres.	Kirkby town catchment	sals have the n centre, whi and compet	ch the Towr e effectively	Centre and Shop	pping Study (20 centres. Neve	09) concluded was	and could also support efforts to encoura in need of significant intervention and in ow potential capacity of the site (30 dwe	vestment if it is to serve its local
EC3. Maintain high and stable	0	0	0	Medium	N/A	N/A		

		Timescale	•			Nature of Effe	ect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
evels of employment and reduce ong-term unemployment.	people to the	Comments: The proposals have the potential to generate some employment opportunities in the construction sector, and would also potentially bring additional working age people to the area. Nevertheless, given the low potential capacity of the site (30 dwellings), it is envisaged that the proposals would not have a significant impact on his objective.								
Sustainability Summary										
the potential development is unlikely quality, affordable and resource effici The potential development of this loc	to have any s ient housing. ation would h objective of	significant in nowever resi protecting la	npact on any ult in the loss and and soil	of the economic of the economic of the economic of a greenfield signal and its sub-object	bbjectives and ite which comp ive of directing	it is also uncertain who prises entirely of Grad g new development to	travel. Given the limited capacity of the nether they would have a significant im e 2 Best and Most Versatile agricultura previously developed land. Whilst this penfield sites.	pact on the objective of providing go al land. It is therefore considered tha		
	impact on th al developme	ne integrity o ent may hav	of this Stratege e a negative	gic Green Link. Th impact on the ob	ne potential de jectives relatir	evelopment may also ng to local landscape	t Study – Knowsley Report (2011) con result in the loss of a band of mature character; biodiversity; and green infra	trees on the perimeter of the site. If astructure. Key mitigation measures		
			of the locati	on it may be poss	ible to retain th			veys. In addition, given that the area		

		Key fo	r effects		
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	– – major negative;	? uncertain

KGB 3 - Land at Boundary													
		Timescale	•			Nature of Eff	ect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
Social													
S1. To reduce poverty and social deprivation and secure economic inclusion.	(2010), cor Borough. T and contrib potential to is approxin that develo certainty ov would have Park.	immediately otributes £21 The Study) do pution. The p result in new nately 50% o opment of this ver whether t e the potentia	4m pa in GV bes however roposals cou w jobs that c f the size of s scale prope the new jobs al to have a n	A to the economy establish that the uld provide high qu ould help reduce the existing Know osed for this site r created would be negative impact o	<ul> <li>is collectively park is characturatively apprivation and vsley Industrial may adversely accessible to n this objective</li> </ul>	home to approxima terised by out-of-date ent premises and stit secure economic in Park and the Draft K affect the regeneration those presently excl due the adverse imp	ivering a new future for Knowsley Indus tely 800 businesses and provides 27% te and weak infrastructure, and that the imulate investment in the park. It is there inclusion. Nevertheless, the proposals we knowsley and Sefton Green Belt Study - on of the wider Knowsley Industrial Parl uded from the labour market. It is there pact they would have on efforts to remo	of total employment within the re is a lack of recognition of its role efore considered that they have the ould result in the release of a site that – Knowsley Report (2011) considered k area. There is also only limited fore considered that the proposals					
S2. To improve local accessibility of goods, services	0 Comments	0	0	Medium	N/A	N/A							
and amenities and reduce community severance.	The site is facilities prospections of sections of	not located i ovided on-sit the site are	te would be a readily acce	ancillary to the de ssible by both put	velopment and plic and private	primarily serve the r transport via the A5	Knowsley or outside the borough and it in needs of the on-site workers. Conseque 80, the likely ancillary nature of any on- gnificant impact on the objective or its su	ently, notwithstanding the fact that site facilities coupled with their					
S3. To improve safety and	0	0	0	Medium	N/A	N/A							

KGB 3 - Land at Boundary	<sup>,</sup> Lane, K	irkby								
		Timescale	•			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
reduce crime, disorder and fear of crime.	-	Comments: Unlikely to have any significant effects. Other policies in the Core Strategy will ensure that all new development is designed in a way that reduces opportunitie crime.								
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to									
S5. To improve health and reduce health inequalities.	recreation.	sal would po However, it	is recognise		ot located in cl		at cross the site and could therefore redu v existing residential communities and it			
S6. To provide good quality, affordable and resource efficient housing.	0 Comments	0	0	High	N / A	N / A	erefore unlikely to have any significant ef	ffects on this objective.		
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	+ <u>Comments</u>	+	+	Low	Borough wide	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.	Secure the implementation of local training programmes.		
	New jobs and training opportunities would be created during the construction and operation of the development. The proposals are therefore likely to have a positive impact on this objective which would increase as the development is built out and more employment and training opportunities become available. It is however recognised that the proposals would not necessarily support the regeneration of the existing Knowsley Industrial Park as advocated by the Delivering a new future for Knowsley Industrial Park – Strategic Framework (2010). It is therefore considered that there is only a low level of certainty that the proposals would have a positive impact on this objective.									

KGB 3 - Land at Boundary	/ Lane, K	irkby									
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites to establish their significance and, if appropriate, recommend measures to preserve or enhance them.			
Environment	The site is particular, considered impact on	<u>Comments:</u> The site is not within close proximity of any listed buildings or conservation areas. Nevertheless, the site is known to contain features of archaeological interest. In particular, there are three identified Archaeological Sites within the area and a further three within 300m of the south eastern boundary of the site. It is therefore considered that the proposals have the potential to have a detrimental impact on the significance of archaeological sites and features and thereby have a negative impact on the objective. It is however acknowledged that there can only be a low level of certainty about this impact due to the limited information available on these Archaeological Sites.									
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	concludes site as falli power lines views acro 'urban edg	Knowsley and that develop ng within Urb s and pylons ss a mainly a e' of Knowslo	ment in this I ban Fringe Fa , the Landsca agricultural la ey Industrial	ocation would not armland and spec ape Character Ass indscape. The dev Park. It is also not	t impact on the ifically within a sessment defir velopment of th ted that there a	separation of these n area known as Sir ned the area as bein nis site would have a are trees on the wes	that the site is within a wide to gap betw areas. The Knowsley Landscape Chara nonswood Moss. Notwithstanding the v g characterised by an open character w a significant negative impact on this land tern boundary of the site that are protect these trees and the rights of way. It is th	acter Assessment (2006) defines the isual intrusion created by the overhead ith flat low-lying topography and wide Iscape character by extending the ted by a Tree Preservation Order and			
							e landscape which would become more				

KGB 3 - Land at Boundary	Lane, K	irkby						
		Timescale				Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-			Medium	Local	Long term		Undertake ecological surveys. Exclude areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that other appropriate mitigation measures are implemented, such as the provision of on-site habitats or the creation of a buffer around the LWS.
	Importance Minerals Pl value. The site is opposite si Ecological Merseyside The propos	mprises of p e. It contains anning in Me also adjacen de of Perime Framework: e Biodiversity sals have the he potential	a number of erseyside (20 t to two Loca ter Road to Knowsley D group also	Priority Habitats, 208) site as being al Wildlife Sites – Acornfield Plantat istrict Profile as be identify Acornfield result in the loss	including wood located on pea Moss Plantation ion which is a c bing significant d Plantation as of, or place pre	lland, grassland and at reserves and it is in and Brown Birches designated Local Na for a number of imp one of only two activ ssure upon, some o		tified by the Evidence Base for e the potential to have high biodiversity s Cottage LWS – and is located on the lentified by the Liverpool City Region ubenton's Bat and Dragonflies. The orth Merseyside.

KGB 3 - Land at Boundary	KGB 3 - Land at Boundary Lane, Kirkby         Timescale       Nature of Effect											
		Timescale	)									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.				
	Minerals P storage, wl	gic Flood Ris lanning in M hich can redi	erseyside (20 uce surface v	008) identifies the water run-off and	site as being letter the risk of floor	ocated on peat rese	ither Flood Zone 2 or 3. It is however no rves and it is recognised that peat can p would also result in the loss of a greenfi ith climate change.	provide potentially important water				
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	-	-		Medium	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.				

KGB 3 - Land at Boundary	/ Lane, K	irkby						
		Timescale	•			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
renewable sources.	Comments:         The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new developm designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identific Liverpool City Region Renewable Energy Capacity Study (2009) and it is therefore unlikely to deliver a reduction in carbon emissions beyond those requere Plan policies. The site is however in close proximity to Knowsley Industrial Park which is identified by the Knowsley Renewable and Low Carbon Energy study (2009) as a potential location for a decentralised energy network(s) and Combined Heat and Power (CHP) plant(s).         There is an 800m cycle buffer zone approximately 30m to the south of the site and it is recognised that the existing Knowsley Industrial Park is served b also acknowledged that development of the scale proposed could deliver improvements to the local public transport network. Nevertheless, the peripher the site on the edge of Knowsley Industrial Park coupled with its proximity to the A580 and motorway network reduces the level of certainty that the development on peat reserves. As noted in Natural England (2010) <i>England's Peatlands: Carbon Storage and Greenhouse Gases</i> , by storing huge stocks of soil, peat can prevent it from being emitted to the air as carbon dioxide. It is therefore recognised that the development of the site has the potential to re removal of peat and the release of carbon into the atmosphere.							
E5. To provide, conserve, maintain and enhance green infrastructure.	- Comments	-		Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site.
	The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result greenfield site that offers the potential to function as part of the Borough's Green Infrastructure network. It is also noted that the site contains Prior adjacent to a number of sites that are designated for their ecological value. The proposals may also result in the loss of a public right of way. It is that the proposals would have a negative impact on the objective and the sub-objective of improving the size and quality of the Ecological Framework of the greenfield site that would be lost, it is envisaged that the proposals would have a significant detrimental impact on this objective over the long development is built out.							

KGB 3 - Land at Boundary	/ Lane, K	irkby									
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E6. To protect, manage and restore land and soil quality.	-			Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.			
	Comments: The proposals would result in the loss of a substantial greenfield site. It is also noted that the entire site is classified as Grade 1 Best and Most Versatile agricultural land and that parts of the site are presently within agricultural use. The central part of the site contains a former landfill site and the proposals may present some opportunities to address any land contamination associated with this former landfill site. However, taking into account the scale of greenfield land lost and the quality of the soils, it is considered that the proposals have the potential to have a significant detrimental impact on this objective.										
E7. To protect, improve and	0	0	0	Medium	N/A	N/A					
where necessary, restore the quality of inland, and estuarine waters.	Comments: Unlikely to have any significant effects.										
E8. To protect, and where necessary, improve local air quality.	-	-		Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.			
	Comments:         Choice of transport option           The site is not within an Air Quality Management Area and there is an 800m cycle buffer zone approximately 30m to the south of the site. It is also recognis existing Knowsley Industrial Park is served by buses and that development of the scale proposed could deliver improvements to the local public transport r           Nevertheless, the peripheral location of the site on the edge of Knowsley Industrial Park coupled with its proximity to the A580 and motorway network redulevel of certainty that the development would result in sustainable patterns of travel. In addition, due to the scale of development proposed, it is envisaged if quantum of trips that would be generated would be significant particularly as the development is built out. It is therefore considered that the proposals have potential to have a negative impact on this objective.										

KGB 3 - Land at Boundary	/ Lane, K	irkby										
		Timescale	9			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E9. To use water and mineral resources prudently and efficiently.	?	?	?	Low	Local	Long term		If considered appropriate, seek to secure the extraction of peat prior to the proposals coming forward.				
	<u>Comments:</u> The Evidence Base for Minerals Planning on Merseyside (2008) identifies the site as being located on peat reserves. The development of the site for employment purposes could therefore potentially sterilise this resource if prior extraction were not to take place. It is however recognised that the evidence base for the Regional Spatial Strategy stated that existing planning permissions for peat extraction were sufficient to meet the horticultural industries needs. It is also noted that the National Planning Policy Framework does not list peat as a minerals resource of local or national importance for which local authorities should define a Mineral Safeguarding Area. It is therefore considered that the impact of the proposals on the objective is uncertain.											
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	_	-		Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options				
	Comments:       Choice of transport options.         There is an 800m cycle buffer zone approximately 30m to the south of the site and it is recognised that the existing Knowsley Industrial Park is served by buses. It i also acknowledged that development of the scale proposed could deliver improvements to the local public transport network. Nevertheless, the peripheral location o the site on the edge of Knowsley Industrial Park coupled with its proximity to the A580 and motorway network reduces the level of certainty that the development would result in sustainable patterns of travel. It is therefore considered that the proposals have the potential to have a negative impact on this objective.											
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.		located in cl					cornfield Road that is identified in the Me rposes would be unlikely to affect the p					

KGB 3 - Land at Boundary		Timescale	)			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Economic	<u>.</u>	<u>.</u>			<u>.</u>			
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	+	+	+	Low	Borough wide	Long term	Contribution to overall pool of jobs in the Borough. However, given the scale of the proposals they could potentially have a negative a secondary impact on the regeneration of Knowsley Industrial Park.	Enhancing links to KIP
	(2010), cor Borough. T weak infras and raise th the objectiv uses. Neve the wider K is adjacent	ntributes £21 The Deliverin structure, and he profile of ve. In additio ertheless, it is (nowsley Ind to Knowsley	4m pa in GV g a new futu d that there is the immediation, the relative s acknowled ustrial Park a r Industrial P	A to the economy re for Knowsley II s a lack of recogr te area and the B ely close proximit ged that the certa area. In addition,	/, is collectively industrial Park – iition of its role orough as a wh y of the site to f inty of this impa it is recognised	home to approxima Strategic Framewo and contribution. The ole. It is therefore of the motorway netwo act is reduced by the that the Knowsley I	ne proposals could provide high qualit considered that the proposals have the ork could also help attract target sector e fact that development of this scale r Employment Land and Premises Stud	% of total employment within the ark is characterised by out-of-date and by accommodation for new businesses e potential to have a positive impact on
EC2. To enhance the vitality and viability of town and local centres.	0	0	0	Medium	Borough wide	Long term	Secondary impacts on the perceptions of the area	The NPPF should ensure that any proposals for B1 office use are subje to sequential testing and should also ensure that any on-site facilities provided are ancillary.

KGB 3 - Land at Boundary	/ Lane, K	irkby						
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	be unlikely on-site are Borough, p It is unclea centre loca and potent be directed developme	als would re that the pro likely to be a articularly th r whether th tion it would ial for signific to a town c nt that would v to have a s +	posals would ancillary to the nearby Kir e employme have the po cant new offi entre location d have an ur	I have a significar the development a kby town centre. Int uses that would tential to have a c ce development in n, it is recognised	nt impact on the nd should not to d be directed to detrimental import n Kirkby town c that national pl ct on the vitality	vitality and viability herefore have a det the site would inclu act on the vitality an entre may be limited anning policy and p		development is provided in this out of owever recognised that opportunities d to demonstrate that offices could not should prevent out of centre office
	The site is (2010), cor Borough. T weak infras would prov assessing the regene	immediately atributes £21 he Deliverin structure, an ide accomm the proposal ration of the xcluded fror	4m pa in GV g a new futu d that there is odation for r ls for the site wider Know	A to the economy re for Knowsley Ir is a lack of recogn new businesses ar the Knowsley ar sley Industrial Par	y, is collectively ndustrial Park – nition of its role nd could stimul nd Sefton Green k area and the	home to approxima Strategic Framewo and contribution. Th ate investment in the Belt (2011) consid re is only limited cer		o of total employment within the k is characterised by out-of-date and gh quality employment premises. This ment opportunities. Nevertheless, when oposed for this site may adversely affect ed would be accessible to those

		Timescale				Nature of Effe	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
ustainability Summary				Į		4 4		<u> </u>
significant number of employment of educing unemployment. he potential development of this loc ne development is built out. It would	opportunities ation would I d have a par	, the potentia nowever hav ticularly sign	al developme e a negative ificant nega	ent in this location impact on a wide tive impact on the	is likely to ha e range of obje e objective rela	ve some positive imp actives with the impac ating to protecting lar	through the provision of a range of em act on the objectives relating to busine t on many of these becoming increasin ad and soil due to the resultant loss o	ss growth; education and training; a ngly significant over the longer term f a substantial greenfield site which
evelopment is built to an appropriate ne potential impact of development	e density cou t in this locat	ld help minin ion on Local	nise the loss Wildlife Site	of further greenfi	eld sites and E e site and prio	Best and Most Versatil	this impact cannot in itself be mitigated e agricultural land. e site mean that it is also likely to hav rms of the loss of on-site priority habita	re a significant negative impact on
npact on this objective are likely to in ne peripheral location of the site on	nclude under the edge of jectives relat	taking ecolo f Knowsley ing to air qu	gical surveys ndustrial Pa ality; and rec	s, protecting areas ark coupled with it ducing the need to	s of priority hal ts proximity to o travel. Key n	bitat where possible a the A580 and motor nitigation measures to	nd creating an appropriate buffer arou way network lead to the conclusion t preduce the level of impact on these c	nd the Local Wildlife Sites. In additi hat the proposals are likely to have
he potential development in this lo			d protecting		er of the lands		ectives, including a significant negativ ative impact on the objectives relating	

- minor negative;

0 neutral;

-- major negative;

? uncertain

+ minor positive;

++ major positive;

KGB 5 - Land at Pinfold La	KGB 5 - Land at Pinfold Lane, Knowsley Village												
		Timescale	•			Nature of Ef	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
Social													
S1. To reduce poverty and social	0	0	0	Medium	N/A	N/A							
deprivation and secure	Comments:												
economic inclusion.							. It is therefore considered that the prop						
	significant impact on the delivery of regeneration priorities or make a significant contribution to reducing deprivation and securing economic inclusion.												
S2. To improve local	+	+	+	Low	Local	Long term							
accessibility of goods, services		Comments:											
and amenities and reduce		The proposals are unlikely to be of a scale where they would incorporate significant on-site facilities. They would however result in the provision of housing in a											
community severance.	location that is immediately adjacent to Knowsley Lane which provides a bus service to Kirkby, Prescot and St Helens. There are also a range of local facilities a amenities that are readily accessible from the site including two primary schools within 200m of the site, a GP and health centre 250m east of the site, a recreating ground and a village shop on the opposite side of Knowsley Lane and a parade of shops on Sugar Lane. The proposal would therefore lead to the provision of												
							ce of means of transport and could cont						
							ve impact on the objective of improving						
							v station or a large district/town centre. A						
	certainty th	at the propo	sals would h	ave a positive im	bact on this obj	ective.	·						
S3. To improve safety and	0	0	0	Medium	N/A	N/A							
reduce crime, disorder and fear	Comments	-				•							
of crime.			gnificant effe	cts. Other policies	in the Core St	rategy are likely to e	ensure that all new development is desig	ned in a way that reduces					
	opportuniti	es for crime.		-	-	-							
S4. To support voluntary and	0	0	0	Medium	N/A	N/A							
community networks, assist	Comments	-											
social inclusion and ensure	Unlikely to	have any sig	gnificant effe	cts.									
community involvement in													
decision making.	0	0	0	1.	1 1	1 1							
S5. To improve health and	?	?	?	Low	Local	Long term	Secondary impacts on quality of life	Seek to protect or divert existing					
reduce health inequalities.								public rights of way.					

KGB 5 - Land at Pinfold L	ane, Kno	wsley Vi	lage								
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	The proposition of the site of	<u>Comments:</u> The proposals are unlikely to be of a scale where they would incorporate on-site health facilities, it is however noted that there is a GP and a health centre 250m ear of the site and a recreation ground on the opposite side of Knowsley Lane. The future occupants of the site would therefore benefit from good access to existing health facilities and the proposals could help support the continued viability of these facilities. Nevertheless, the proposal could potentially lead to the loss of a public right of way that crosses the site and thereby reduce opportunities for informal recreation. Consequently, whilst the future occupants of the site would benefit from close proximity to health facilities and opportunities for the participation in sport, the development of the site may result in the loss of some opportunities for informal recreation. It is therefore considered that the impact of the proposals on the objective is uncertain.									
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.			
	The propos	as the potent sals could al	so have a po	sitive effect on the	e sub-objective		reby have a positive impact on the object r choice of accommodation to create a g sub-objective.				
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	additional	sals may ger	the working a	age population an	d could suppor		ddition, the development of this site for i ility of existing education and training fa n this objective.				
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.				Medium	Local	Long term	Secondary impacts on the image of the area and sense of place.	Undertake a more detailed appraisal of the impact of the proposals on the significance of the conservation area Protect trees that make a valuable contribution to the setting of the conservation area.			

KGB 5 - Land at Pinfold La	ane, Knov	wsley Vi	lage								
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	Comments: The site falls partially within the Knowsley Village Conservation Area. The Conservation Area appraisal for Knowsley Village states that the area is located within a rural setting characterised by wide open spaces and coppices of trees. The proposal would result in the loss of an area of open space along the western boundary of the conservation area and, as a result, would have the potential to have a significant detrimental on the character and significance of this historic asset. The site is also known to contain features of archaeological interest. In particular, there are five identified Archaeological Sites within the site boundary and a further two within 100m of the boundary of the site. It is therefore considered that the proposals also have the potential to have a detrimental impact on the significance of archaeological sites and features. It is however acknowledged that there can only be a low level of certainty about this impact due to the limited information available on these Archaeological Sites.										
Environment E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	er and cape     the area, particularly with the proposals for KGB6.     public rights of way.       Protect areas of woodland that contribute to the landscape character.     Protect areas of woodland that contribute to the landscape										
	Comments: The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) identifies the site as being within an essential gap between Knowsley Village and Liverpool. The site contains both areas of open space and woodland which contribute positively to the landscape character of the local area. The proposal could potentially lead to the loss of these landscape features and may also result in the loss of a public right of way that crosses the site. As a result, it is considered that the proposals have the potential to have a negative impact on both the character and accessibility of the landscape and countryside.										

		Timescale	)					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	which are a implement	site falls with a Priority Hal ed and, as a	oitat. The pro result, could	posals therefore have a negative	have the poten impact on the o	tial to result in the lo objective. It is howev	and Croxteth Park Corridor. The site al loss of Priority Habitat unless the identii rer acknowledged that in the absence nly be limited certainty about their imp	ied mitigation measures are of detailed ecological surveys to act on this objective.
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.

KGB 5 - Land at Pinfold La											
	-	Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFRA) (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a l of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are likely suffer the consequences of groundwater flooding. The proposals would however result in the loss of a greenfield site that has the potential to provide habitat for species and help mitigate higher summer temperatur associated with climate change.										
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.			

KGB 5 - Land at Pinfold La	ane, Kno	wsley Vil	lage							
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Seek to protect or divert existing public rights of way. Other policies in the Core Strategy should seek to protect areas of woodland and seek to secure the provision of on-site open space.		
	greenfield priority hat	not within ar site that offe	rs the potent refore consid	ial to function as	part of the Bord	ough's Green Infrasti	referred Options report. The proposals v ructure network. It may also impact upo ct on the objective and the sub-objective	on a public right of way and areas of		
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.		
		sals would re					and Most Versatile agricultural land. It is ting new housing to previously develop			
E7. To protect, improve and	0	0	0	Medium	N/A	N/A				
where necessary, restore the quality of inland, and estuarine waters.	Comments: Unlikely to have any significant effects.									
E8. To protect, and where necessary, improve local air quality.	0	0	0	Medium	N/A	N/A		Other policies in the Core Strategy should seek to retain existing trees and areas of woodland.		

KGB 5 - Land at Pinfold La	ane, Kno	wsley Vil	lage					
		Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E9. To use water and mineral resources prudently and efficiently.	can have a eastern bor are readily opposite si well served the need to the site), it 0 <u>Comments</u>	sals have the positive influundary adjoi accessible fi de of Knows I by public tra travel and e is envisaged 0	uence on air ns Knowsley rom the site ley Lane and ansport and encourage th that the pro 0	quality by removi Lane which prov including two prin d a parade of sho within walking dis e use of sustaina posals would not Medium	ing pollutants fr ides a bus serv nary schools wi ps on Sugar La tance of a rang ble transport m	om the atmosphere rice to Kirkby, Presc thin 200m of the site ine. The proposal we je of community faci	identified mitigation measures are imple . The site is not however within an Air Q ot and St Helens. There are also a rang e, a GP and health centre 250m east of ould therefore lead to the provision of ho lities. It is therefore envisaged that the p king and cycling. Nevertheless, given the bjective.	uality Management Area and its e of local facilities and amenities that the site, a recreation ground on the busing in a location which is relatively proposals have the potential to reduce
E10. To reduce the need to travel and improve choice and use of more sustainable transport	+	+	+	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	
mode.	potential to Helens. Th and health therefore le It is therefo and cycling however re the propose	sed by the D integrate wi ere are also centre 250m ad to the pro- pre envisage Accordingle cognised the als would ha	th existing tr a range of lo n east of the ovision of ho d that the proposed y, the proposed the site is ve a positive	ansport infrastruction ocal facilities and site, a recreation using in a location oposals have the sal has the potent not within close p impact on this of	ture. The east amenities that ground on the n which is relat potential to red tial to have a po roximity of a ra ojective.	ern part of the site ac are readily accessib opposite side of Kno ively well served by uce the need to trav ositive impact on the ilway station or a lar	2011), the site is located on the fringe o djoins Knowsley Lane which provides a le from the site including two primary sc owsley Lane and a parade of shops on S public transport and within walking dista rel and encourage the use of sustainable objective and its sub-objective of encour- ge district/town centre. As a result, there	bus service to Kirkby, Prescot and St hools within 200m of the site, a GP Sugar Lane. The proposal would ince of a range of community facilities. e transport modes, including walking uraging sustainable transport use. It is
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 Comments Unlikely to	0 <u>:</u> have any sig	0 Inificant effe	Medium cts.	N/A	N/A		
Economic	1							

		wsley Vil										
		Timescale				Nature of Eff	ect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
EC1. To improve the	0	0	0	Medium	N/A	N/A						
competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	Comments The propos		at Pinfold La	ane do not include	e an employme	ent element and are t	therefore unlikely to have a significan	t effect on this objective.				
C2. To enhance the vitality and	0	0	0	Medium	N/A	N/A						
viability of town and local	Comments:											
centres.	The propos	sals have the				of the local centre on	n Sugar Lane. Nevertheless, given the	e relatively low potential capacity of the				
	site, it is en	ivisaged that	t the proposa	ils are likely to ha	ve a minor pos	itive impact on this o	bjective.					
EC3. Maintain high and stable	site, it is en	visaged that	t the proposa	Is are likely to ha Medium	ve a minor pos N/A	itive impact on this o	bjective.					
	0 <u>Comments</u> The constr bring additi	0 <u>:</u> ruction of the	0 e housing has g age people	Medium	N/A generate some	N/A employment opport	unities in the construction sector and	the proposals would also potentially aged that the proposals would not have				

205

KGB 5 - Land at Pinfold La	ane, Kno	wsley Vil	lage					
		Timescale	)					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation

Due to the relatively limited capacity of the location, it is considered that the potential development of the Land at Pinfold Walk would not have a significant impact on many of the SA objectives. It is however considered that by resulting in the provision of housing in a location that is relatively well served by public transport and within convenient walking distance of a number of community facilities, development in this location would have the potential to have some positive impact on the objectives relating to the accessibility of goods and services; and reducing the need to travel. Given the limited capacity of the location, it is however considered that the proposals would not have any significant impact on the economic objectives and only a minor positive impact on the objective of providing good quality, affordable and resource efficient housing.

Development in this location would however result in the loss of a greenfield site which contains Grade 2 Best and Most Versatile agricultural land. It is therefore considered that it would have a negative impact on the objective of protecting land and soil and its sub-objective of directing new development to previously developed land. Whilst this impact cannot in itself be mitigated as any development in this location would inevitably lead to the loss of greenfield land and Best and Most Versatile agricultural land, it is recommended that ensuring the development is built to an appropriate density could help minimise the loss of further greenfield sites and Best and Most Versatile agricultural land.

Development in this location would also lead to new housing being directed to a location that is immediately adjacent to Knowsley Village conservation area. It is noted that the Conservation area appraisal for Knowsley Village emphasises that the character of the area is shaped by its rural setting with wide open spaces and coppices of trees. The potential development in this location would result in the loss of an area of open space along the western boundary of the conservation area and, as a result, it would have the potential to have a significant detrimental on the character and significance of this historic asset. Development in this location may also impact upon features of archaeological interest within the location and it is therefore considered that the potential development would have a significant negative impact on the objective of preserving, enhancing and managing Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features. Key measures to mitigate the impact of development in this location on built heritage are likely to include undertaking more detailed assessments of the impact of the potential development on the significance of the conservation area and seeking to protect trees that make a valuable contribution to the setting of the conservation area. It is however considered that it may not be possible to entirely mitigate the negative impact of development in this location on this objective.

Development in this location would result in the loss of a greenfield site, which contains areas of priority habitat. It is therefore considered that the potential development may have a negative impact on the objectives relating to local landscape character; biodiversity; and green infrastructure. Mitigation measures recommended to reduce the degree of impact on these objectives include securing appropriate landscaping and on-site open space provision, undertaking ecological surveys, and protecting areas of woodland. Development in this location could also have a negative impact on the objective relating to adaptation to climate change due, in part, to the proposals resulting in development taking place in a location that has been identified by the Preliminary Flood Risk Assessments (2011) as being susceptible to groundwater flooding. A key mitigation measure to reduce any potential negative impact on this objective is likely to be the application of appropriate measures to mitigate flood risk such as the use of Sustainable Drainage Systems.

In addition, development in this location may result in the loss of an area which appears to be used for informal recreation. It is therefore considered that the impact of the proposed development on the objective relating to health is uncertain. The impact on the objective relating to mitigating climate change is also considered to be uncertain.

		Key for	r effects		
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	<ul> <li>– major negative;</li> </ul>	? uncertain

KGB 9 - Recreation Groun	id, Two E	Butt Lane	, Whisto	n							
		Timescale	•			Nature of Eff	ect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Social				•							
S1. To reduce poverty and social	0	0	0	Medium	N/A	N/A					
deprivation and secure	Comments	:									
economic inclusion.	The site is not adjacent to an identified regeneration area nor is it relatively large in size. It is therefore considered that the proposals for the site are unli										
	significant	impact on th	e delivery of	regeneration prio	rities or make a	a significant contribu	tion to reducing deprivation and securin	g economic inclusion.			
S2. To improve local	+	+	+	Low	Local	Long term		Secure alternative provision of			
accessibility of goods, services								sports pitches			
and amenities and reduce	Comments	-									
community severance.							site facilities. They would however result				
							within convenient walking distance of t				
							lens, Runcorn, Prescot and Kirkby. The				
							centre within 1km of the site and a prim				
	recognised that there are a range of accessible facilities outside of the Borough. The proposal would therefore lead to the provision of housing in a location which										
						xisting services and	facilities by a choice of means of transp	ort and would make a contribution to			
	the continu	ied viability o	of these serv	ices and facilities.							
	-					с., , т. р.,					
							s Lane recreation ground. The Council's				
							und conditions. Nevertheless, the devel				
							Audit identified that the local area has a	small surplus of public open space			
	relative to	the Council's	adopted sta	andards due prima	arily to the pres	ence of this large an	nenity greenspace at Two Butt Lane.				
	Concerne	ملايد برام الم				an of a vacuation of		atain aufficient aublic anon anona in			
							ound, the surrounding area should still r				
							provision of housing in a location which				
							port and would also make a contribution				
	services ar	id lacilities.		e considered that,	on balance, in	e proposais would h	ave a positive impact on this objective b	ut with a low level of certainty.			
S3. To improve safety and	0	0	0	Medium	N/A	N/A					
reduce crime, disorder and fear	Comments	•	U		IN/A	IN/ <i>I</i> A	L				
of crime.			nificant effe	cts Other nolicies	in the Core St	rategy are likely to e	ensure that all new development is desig	uned in a way that reduces			
		es for crime.	grinicant elle			ialegy are likely to e		neu in a way inal reduces			
	opportuniti										

KGB 9 - Recreation Groun	id, Two B	utt Lane	, Whisto	n				
		<b>Fimescale</b>	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium	N/A	N/A		
S5. To improve health and reduce health inequalities.	- Comments	-	-	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site public open space and the provision of a replacement playing field.
	at Two But conditions. sport and ir Council's G	s Lane recro Nevertheles formal recro reen Space	eation groun ss, the develo eation which Audit observ	d. The Council's ( opment of the site could have a detr ves that the local nspace at Two Bu	Green Space A would result ir imental impact area has a sma	udit (2012) only rate the permanent loss on this objective. The all surplus of public of	facilities and the proposals would result ad this site as being fair in quality due to s of this facility and could therefore redu he level of certainty of this impact is how open space relative to the Council's add	adverse drainage and ground ce opportunities for the participation in vever reduced by the fact that the pted standards due primarily to the
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.
	quality hou contribute t	s the potent sing. The pr o the housir	oposals coul ig needs idei	d also have a pos	itive effect on t 9 Strategic Hou ive.	he sub-objective of	Is could thereby have a positive impact of providing a wider choice of accommoda Assessment. It is however noted that th	on the objective of providing good tion to create a greater tenure mix and
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	he working age po	opulation and c	ould support the co	uction sector. In addition, the development ntinued viability of existing education an cant effects on this objective.	

KGB 9 - Recreation Groun	d, Two E	Butt Lane	, Whisto	n							
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A					
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	The site is	Comments: The site is not within close proximity of any designated heritage assets and it is therefore considered that the proposals for the recreation ground on Two Butt Lar are unlikely to have any significant impact on this objective.									
Environment											
E1. To protect, enhance and manage the local character and	-	-	-	Medium	Local	Long term	Secondary impacts on biodiversity	Other policies of the Core Strategy should seek to retain existing trees			
accessibility of the landscape and countryside across Knowsley.	between W contributior	Knowsley an histon and r to the char	neighbouring acter of the a	settlements in St area. The proposa	Helen's distric Is would also I	t. The proposals ma	that development in this location would y however result in the loss of two strips a area of public open space and would t y of open spaces.	s of woodland which make some			
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-	-	-	Low	Local	Long term		Undertake ecological surveys. Exclude the areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats or the retention of areas of woodland.			

KGB 9 - Recreation Groun	d, Two E	Butt Lane	, Whisto	n				
	-	Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	result in the acknowled	ntains strips loss of Pric ged that the	ority Habitat a re may be po	and, as a result, h tential to retain so proposals on nat	ave a negative ome of these fe ure conservatio	impact on the object atures within any de on value it is recogni	re identified a Priority Habitat. The prop ctive unless the identified mitigation mea evelopment. Furthermore, in the absenc ised that there can only be limited certai	sures are implemented. It is however e of detailed ecological surveys to
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		
	Flood Risk	gic Flood Ris Assessmen	t (2011) as b	eing at risk from g	groundwater flo		ither Flood Zone 2 or 3 and it is not with Is would however result in the loss of a ith climate change.	
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.

KGB 9 - Recreation Grour	nd, Two E	Butt Lane	, Whisto	n				
		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
renewable sources.	contribution implementa objective a maximise of Renewable study (2002) Plan policie The propose within conv Runcorn, F within 1km therefore le Consequer walking an Consequer it is conside	uction and o n to mitigatin ed to retain o nd its sub-ob energy efficie Energy Cap 9) as a poter 9) as a poter es. sals would he rescot and h of the site a ead to the pro- ntly, it is envid d cycling. ntly, whilst the ered that it is	g climate cha on-site trees ojective. It is ency. The site bacity Study ntial location owever resul ng distance of Kirkby. There nd a primary ovision of ho saged that the e proposals a uncertain w	ange through abs or secure adequa however recognis e is not however le (2009) and it is no for implementing t in the provision of the A57 Warring are also a range school within 600 using in a location he proposals have	orbing carbon te replacement sed that other p ocated within a ot in particularly district heating of housing in a gton Road, wh of facilities and of facilities and of facilities and of selat te the potential to the potential to esult in some of t on this objecti	dioxide. Consequent t planting, it is consid- iolicies in the Core S ('Priority Zone' for re- y close proximity to a . It is therefore unlike location that is within ich provides a regula d amenities that are cognised that there ively well served by to reduce the need to carbon emissions an	on emissions and they could also result tly, although it is acknowledged that mit dered that the proposals have the poten strategy are likely to ensure that all new enewable and low carbon energy as ide a site identified by the Knowsley Renew ely to deliver a reduction in carbon emis n 800m of railway stations at Eccleston ar bus service to a wide range of destina readily accessible from the site includin are a range of accessible facilities outsi public transport and within walking dista o travel and encourage the use of susta d could thereby have a negative impact ant due to the scale of the proposals an	igation measures could be tial to have a negative impact on the development is designed in a way to ntified by the Liverpool City Region able and Low Carbon Energy Options sions beyond those required by Local Park and Rainhill. The site is also ations including Liverpool, St Helens, g, Whiston Hospital, a leisure centre de of the Borough. The proposal would ince of a range of community facilities. inable transport modes, including on the objective and its sub-objective,
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Seek to secure the delivery of replacement pitches.

KGB 9 - Recreation Grour	nd, Two B	utt Lane	, Whisto	n				
		<b>Fimescale</b>	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	greenfield s ground. It is	not within ar	rs the potent onsidered th	ial to function as plat the proposals w	part of the Bord would have a n	ough's Green Infrast egative impact on th	referred Options report. The proposals ructure network. It would also lead to the objective and its sub-objective of imp	ne permanent loss of a recreation roving the size and quality of the
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
		als would re		ss of a greenfield developed land.	site. It is there	fore considered that	they would have a negative impact on t	the objective and the sub-objectives of
E7. To protect, improve and	0	0	0	Medium	N/A	N/A		
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	-	gnificant effe	cts				
E8. To protect, and where	0	0	0	Medium	N/A	N/A		
necessary, improve local air quality.	pollutants f location tha provides a amenities t recognised relatively w potential to	als have the rom the atm it is within 80 regular bus hat are read that there a ell served by reduce the	osphere. The 20m of railwa service to a ily accessible re a range o y public trans need to trave	e site is not hower ay stations at Ecc wide range of des e from the site inc f accessible facilit sport and within w el and encourage	ver within an A leston Park and tinations incluc duding, Whistor ies outside of t alking distance the use of sust	ir Quality Manageme d Rainhill. The site is ling Liverpool, St He n Hospital, a leisure he Borough. The pro of a range of comn	cognised that trees can have a positive ent Area and the proposals would result s also within convenient walking distanc elens, Runcorn, Prescot and Kirkby. The centre within 1km of the site and a prim oposal would therefore lead to the provi nunity facilities. Consequently, it is envis odes, including walking and cycling. Acc he objective.	in the provision of housing in a e of the A57 Warrington Road, which are are a range of facilities and ary school within 600m and it is also sion of housing in a location which is saged that the proposals have the
E9. To use water and mineral	0	0	0	Medium	N/A	N/A		
resources prudently and efficiently.	Comments Unlikely to		nificant effe	ct.				

KGB 9 - Recreation Groun	id, Two E	Butt Lane	, Whisto	n				
	-	Timescale	)			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E10. To reduce the need to travel and improve choice and use of	+	+	+	Medium	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	
more sustainable transport mode.	within conv Runcorn, F within 1km therefore le Consequer	sals would h venient walki Prescot and l of the site a ead to the pr ntly, it is envi	ng distance of Kirkby. There nd a primary ovision of ho saged that th	of the A57 Warrin are also a range school within 600 using in a location ne proposals have		ations including Liverpool, St Helens, ng, Whiston Hospital, a leisure centre ide of the Borough. The proposal would ance of a range of community facilities. ainable transport modes, including		
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to	-	0 gnificant effe	Medium	N/A	N/A		
Economic								
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	0 Comments The propos objective.		0 ecreation gro	Medium	N/A s Lane do not ir	N/A	ent element and are therefore unlikely t	o have a significant effect on this
EC2. To enhance the vitality and viability of town and local centres.	+	+	+	Low	Local	Long term	Cumulative impact with other housing development in Whiston and Prescot	
	enhance th viability in r	approximate e vitality and recent years	viability of t It is howeve	his town centre w	hich, according	to the Knowsley To	r the recreation ground on Two Butts La own Centre and Shopping Study (2009) f the site reduces the level of certainty	, has suffered a loss of vitality and

		Timescale	, Whistor			Nature of Effect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
EC3. Maintain high and stable	0	0	0	Medium	N/A	N/A					
evels of employment and reduce ong-term unemployment.	The constructional v	uction of the	people to the				nities in the construction sector and th al capacity of the site, it is envisaged th				
Sustainability Summary											
acknowledged that the loss of the re The potential development at this l	ecreation grou ocation could over acknowled	nd at this loc generate ad	ation reduce ditional expe	s the level of cert enditure in Presco	ainty that the p ot town centre	roposals would have and thereby have s	ring the local accessibility of goods, a positive impact on this second objection one positive impact on the objective of certainty that the potential development	ctive. of enhancing the vitality ar	nd viability		
objective relating to health due to t space and the provision of a replac could have a negative impact on the	he resultant lo ement playing e objectives re	oss of oppor field. The lo lating to land	tunities to pa ss of this are lscape chara	articipate in sport ea of open space acter; biodiversity;	and informal read and potentially adaptation to c	ecreation. Potential also the areas of w climate change; gree	loss of the recreation ground would po measures to mitigate this impact inclu oodland within the site would mean that on infrastructure; and protecting land ar	de the provision of on-site at potential development in nd soil. It is however ackno	public op this locat		
							ndertaking ecological surveys and sec		character		
It is considered that the potential of development would inevitably result for renewable/low carbon energy as and Low Carbon Energy Options st impact on the objective relating to r	Other key mitig development a t in carbon em s identified by tudy (2009) as mitigating clim	gation measure at this location hissions. The the Liverpoons a potential ate change.	ures to reduc on is unlikely potential de l City Region location for i However, du	to have a negativelopment could n Renewable Ene implementing dist ue to the location	npact on these tive impact on also result in the rgy Capacity S trict heating. It being well ser	objectives include u any of the other ob he loss of on-site tre Study (2009) nor is it is therefore conside ved by public transp		the construction and ope Butts Lane is not within a 'F identified by the Knowsley this location could have so ance of a range of commu	character ing. pration of f Priority Zo y Renewa ome negat nity faciliti		

KGB 11 - Land to the south of Kings Business Park, Huyton												
		Timescale	•									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Social			1									
S1. To reduce poverty and social	0	0	0	Low	N/A	N/A						
deprivation and secure	Comments:											
economic inclusion.	The site is close to North Huyton and Stockbridge Village which are identified regeneration areas and generally two of the more deprived areas of the Borough.											
	Nevertheless, the small scale of the proposals means that it is considered to be unlikely that they would have a significant impact on this objective.											
S2. To improve local	+	+	+	Medium	Local	Long term						
accessibility of goods, services	Comments:											
and amenities and reduce	The proposals are unlikely to be of a scale where they would incorporate significant on-site facilities. The proposals would however result in the provision of housing											
community severance.	in a location that is immediately adjacent to Huyton Lane which provides a regular bus service to Huyton. There are also a range of local facilities and amenities that are readily accessible from the site including a primary school within 600m of the site, a GP and health centre 600m north west of the site, a leisure centre 400m to the west and Huyton town centre 800m to the east. The proposal would therefore lead to the provision of housing in a location which would provide the future											
		occupants of the site with easy access to existing services and facilities by a choice of means of transport. The proposals would also make a contribution to the continued viability of these services and facilities. It is therefore considered that the proposals have the potential to have a positive impact on the objective of										
				rvices and ameni								
S3. To improve safety and	0	0	0	Medium	N/A	N/A						
reduce crime, disorder and fear	Comments:											
of crime.	Unlikely to have any significant effects. Other policies in the Core Strategy will ensure that all new development is designed in a way that reduces opportunities for											
	crime.											
S4. To support voluntary and	0	0	0	Medium	N/A	N/A						
community networks, assist	Comments: Unlikely to have any significant effects.											
social inclusion and ensure												
community involvement in												
decision making.												
S5. To improve health and	0	0	0	Medium	N/A	N/A						

KGB 11 - Land to the south of Kings Business Park, Huyton											
	Timescale										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
reduce health inequalities.	<u>Comments:</u> The site is within close proximity of North Huyton which the Sustainable Community Strategy identifies as part of the borough which faces some of the most significant health related problems. The proposals are unlikely to be of a scale where they would incorporate on-site health facilities but they would result in the loss of an area that is presently used for informal recreation. As a result, the development of the site could reduce opportunities for the participation in sport and informal recreation which would have a detrimental impact on this objective. Nevertheless, it is acknowledged that the site forms a relatively small part of King George V memorial Playing Fields which is identified by the Greenspace Audit (2012) as one of the highest quality outdoor sports facilities in the borough. It is therefore considered that the proposals are unlikely to have a significant impact on this objective.										
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Medium	Local	Long term	Cumulative impact with other developments on securing a more balanced housing market.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.			
	<u>Comments:</u> The site has the potential to deliver a range of housing types and tenures. The proposals could thereby have a positive impact on the objective of providing good quality housing and also a positive effect on the sub-objective of providing a wider choice of accommodation to create a greater tenure mix, which is particularly important for this area given that the Strategic Housing Market Assessment (2010) identified that the proportion of the housing stock in North Huyton that is socially rented is over double the national, North West and Merseyside averages. It is however noted that the relatively limited capacity of the site would reduce the degree of impact on this sub-objective.										
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	0         0         Medium         N/A         N/A <u>Comments:</u> The proposals may generate some training opportunities in the construction sector. In addition, the development of this site for residential purposes will provide additional members of the working age population and could support the continued viability of existing education and training facilities. However, given their scale, it is considered that the proposals for the site are unlikely to have any significant effects on this objective.										
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	0       0       Medium       N/A       N/A         Comments:       Hurst Hall and Prescot Golf Club is situated approximately 150m to the east of the site. This is a Grade II listed building. It is however noted that between the site and this listed building is housing development on the south side of Huyton Lane and employment land on the northern side of this road. Accordingly, it is considered that the setting of this listed building is already influenced by more modern development and, as such, the proposals for Land to the South of Kings Business Park are unlikely to result in further detriment to the significance of this heritage asset. Accordingly, it is considered that the proposals would have no significant impact on the objective.										

KGB 11 - Land to the sout	I - Land to the south of Kings Business Park, Huyton											
		Timescale	•			Nature of Eff	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Environment			-	-		-	-					
E1. To protect, enhance and manage the local character and accessibility of the landscape	-	-	-	Medium	Local	Long term	Secondary impacts on biodiversity	Other policies in the Core Strategy should ensure the retention of existing trees.				
and countryside across Knowsley.	therefore c	etween Huyton and Prescot and noted that the location comprises of on Order. It is therefore considered that										
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	Comments	- - -	-	Low	Local	Long term		Undertake ecological surveys. Exclude areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats or the retention of areas of woodland.				
	The site co Habitat and may be pot	ntains a sigr d, as a resulf tential to reta	t, have a neg ain some of t	ative impact on th his area of woodla	e objective unl and within any	less the identified midevelopment. Furthe	. The proposals therefore have the pote itigation measures are implemented. It i ermore, in the absence of detailed ecolo / be limited certainty about their impact	s however acknowledged that there gical surveys to establish the potential				

KGB 11 - Land to the sout	h of King	gs Busin	ess Park,	Huyton				
		Timescale	)			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E3. To adapt to climate change including flood risk.	(2011) doe of local info Accordingly suffer the o	gic Flood Ris s however ir prmation in re y, the inform consequence	idicate that the elation to gro ation on grou es of groundv owever resul	he site falls within undwater flooding indwater flooding vater flooding.	an area that is g and that the c is caveated by	susceptible to grou lataset used only id the acknowledgem	either Flood Zone 2 or 3. The Preliminar und water flooding. Nevertheless, the PF entifies wider areas that may be at risk f ient that only isolated locations within th I to provide habitat for species and help	RA does recognise that there is a lack from groundwater flooding. e overall susceptible area are likely to
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	?	?	?	Low	Local	Long term	Secondary impacts of climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.

KGB 11 - Land to the sout	ith of Kings Business Park, Huyton										
		Timescale	•			fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
renewable sources.	Comments:         The construction and operation of this development would inevitably result in some carbon emissions and they could also result in the loss of trees which carbon to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the potential to have a negative impart objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy study (2009) as a potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyond those required Plan policies.         The south eastern boundary of the site adjoins Huyton Lane which provides a regular bus service to Huyton. There are also a range of local facilities and at that are readily accessible from the site including a primary school within 600m of the site, a GP and health centre 600m north west of the site, a leisure cert to the west and Huyton town centre 800m to the east. The site is also well located to a range of employment areas, including Kings Business Park and Sou The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transprodes, including walking and cycling.										
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy should ensure the retention of areas of woodland			
	Comments: The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of greenfield site that offers the potential to function as part of the Borough's Green Infrastructure network. It is also noted that the site contains an area of woodlan which is a Priority Habitat. The proposals would therefore have a negative impact on the objective and its sub-objective of improving the size and quality of the G Infrastructure network.										

KGB 11 - Land to the sout	h of King	gs Busin	ess Park	, Huyton									
		Timescale	•			Nature of Eff	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.					
	The propos	<u>Comments:</u> The proposals would result in the loss of a greenfield site. It is therefore considered that the proposals would have a negative impact on the objective and the sub- objectives of directing new housing to previously developed land.											
E7. To protect, improve and	0	0	0	Medium	N/A	N/A							
where necessary, restore the	Comments												
quality of inland, and estuarine waters.	Unlikely to	have any sig	gnificant effe										
E8. To protect, and where	0	0	0	Medium	N/A	N/A							
necessary, improve local air	Comments	_											
quality.							(2011), the site is located on the fringe on the fringe on the fringe of the loss of an area of wo	of the urban area and therefore has the bodland and it is recognised that trees					
	can have a	a positive infl	uence on air	quality by removi	ng pollutants fr	om the atmosphere	. The site is not however within an Air Q	uality Management Area and the					
							ervice to Huyton. There are also a range						
							GP and health centre 600m north west						
							ge of employment areas, including King ively well served by public transport and						
							duce the need to travel and encourage						
							t is considered that the proposal are unl						
	this objecti	ve.	• •		,								
E9. To use water and mineral	0	0	0	Medium	N/A	N/A							
resources prudently and	Comments												
efficiently.	Unlikely to	have any sig	gnificant effe	cts.									
E10. To reduce the need to travel and improve choice and use of	+	+	+	Medium	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions						

KGB 11 - Land to the south of Kings Business Park, Huyton											
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
more sustainable transport mode.	<u>Comments:</u> The site is not within an Air Quality Management Area and, as recognised by the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (201 <sup>-</sup> located on the fringe of the urban area and therefore has the potential to integrate with existing transport infrastructure. The south eastern boundary of the Huyton Lane which provides a regular bus service to Huyton. There are also a range of local facilities and amenities that are readily accessible from the a primary school within 600m of the site, a GP and health centre 600m north west of the site, a leisure centre 400m to the west and Huyton town centre east. The site is also well located to a range of employment areas, including Kings Business Park and South Prescot. The proposal would therefore lead provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. It is the envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes, including walking a Accordingly, the proposal has the potential to have a positive impact on the objective and its sub-objective of encouraging sustainable transport use.										
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 <u>Comments</u> Unlikely to	0 <u>s:</u> have any się	0 gnificant effe	Medium cts.	N/A	N/A					
Economic											
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	0 Comments The propos objective.		0 I to the South	Medium	N/A ss Park do not	N/A include an employm	ent element and are therefore unlikely	to have a significant effect on this			
EC2. To enhance the vitality and viability of town and local centres.	centre by i	situated 800	e number of		catchment area		posals have the potential to support the n the relatively low potential capacity or				
EC3. Maintain high and stable	0	0	0	Medium	N/A	N/A					

KGB 11 - Land to the south of Kings Business Park, Huyton										
		Timescale	;			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
levels of employment and reduce long-term unemployment.	The site is the boroug would also	Comments: The site is located in close proximity to North Huyton which the Sustainable Community Strategy identifies as part of the borough with economic activity rates below the borough average. The construction of the housing has the potential to generate some employment opportunities in the construction sector and the proposals would also potentially bring additional working age people to the area. Nevertheless, given the relatively low potential capacity of the site it is envisaged that the proposals would not have a significant impact on this objective.								
Sustainability Summary										
The potential development at land to the south of King's Business Park has the potential to deliver a range of housing types and tenures and could thereby contribute to housing needs identified in the Strategic Housing Market Assessment (2010) and a positive impact on the objective of providing good quality housing and its sub-objective of providing a wider choice of accommodation to create a greater tenure mix. The potential development at this location would also lead to the provision of housing in a location which would provide the future occupants of the location with easy access to existing services and facilities by a choice of means of transport and would also make a contribution to the continued viability of these services and facilities. It is therefore envisaged that the potential development could have some positive impact on the objectives relating to improving the local accessibility of goods, services and amenities; and reducing the need to travel. The potential development at this location would however have a negative impact on a range of objectives, particularly those relating to environmental issues. The location comprises of an area of woodland and landscaped parkland. Consequently, although there may be scope to retain some trees on site, it is considered that the potential development would have a negative impact on the objectives relating to protecting the local character of the landscape; and conserving and maintaining green infrastructure.										
The potential development at this location would result in a greenfield site being developed for housing which would inevitably have some negative impact on the objective of protecting land and soil quality and its sub-objective of directing new housing to previously developed land. Furthermore, the potential loss of priority habitat means that the proposals are likely to have some negative impact on the objective relating to biodiversity unless suitable mitigation measures are implemented, such as undertaking ecological surveys and excluding areas of priority habitat from the developable area. The potential loss of priority habitat, together with the Preliminary Flood Risk Assessment's (2011) identification of the site as being within an area that is susceptible to ground water flooding, means that it is also considered that development at this location could have a negative impact on the objective of adapting to climate change, including flood risk. A key mitigation measure to reduce the level of impact on this objective would be the application of appropriate measures to mitigate flood risk such as the use of Sustainable Drainage Systems.										

			Key for	r effects		
+	⊦+ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	– – major negative;	? uncertain

KGB 12 - Eastern Side, Sta	adt Moer	s Park (r	orth east	t), Prescot							
		Timescale	9			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Social											
S1. To reduce poverty and social	+	+	+	Low	Local	Long term					
deprivation and secure	Comments:										
economic inclusion.						less, due to the size he construction sect		wellings may have a positive impact on			
S2. To improve local	-	-	-	Low	More than	Long term		Seek to secure on-site public open			
accessibility of goods, services and amenities and reduce community severance.	Local space and the pro- through the site to										
	centres on the site wit	Greene's Re h easy acce	oad and Drag	on Drive. The prosent services and fac	oposal would th	nerefore lead to the	iston library, Whiston Primary Care Res provision of housing in a location which sport. The proposals could also make a	would provide the future occupants of			
	The proposals would however result in the loss of an area of Stadt Moers Park which is one of only four publically accessible borough parks in Knowsley. This reduces the level of certainty that the proposals would have a positive impact on this objective. It is recognised that the proposals would only result in loss of a parcel of land within the much larger park area and that the Green Space Audit 2012 identified a surplus of provision of Parks and Gardens in the Prescot, Whiston and Cronton Village area. Nevertheless, the proposals would result in the loss of approximately a quarter of the park and it is recognised that Stadt Moers Park provides an important facility for more than just the residents of the Prescot, Whiston and Cronton Village area.										
	existing ser	rvices and fa	acilities by a d		of transport, it is	s considered that the	which would provide the future occupate proposals would, on balance, have a r	nts of the site with easy access to negative impact on this objective due to			
S3. To improve safety and	0	0	0	Medium	N/A	N/A					

KGB 12 - Eastern Side, St	adt Moer	s Park (r	north eas	t), Prescot						
		Timescale	9		Nature of Effect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
reduce crime, disorder and fear of crime.	Comments Unlikely to crime.	_	gnificant effe	cts. Other policies	in the Core St	trategy will ensure th	at all new development is designed in	a way that reduces opportunities for		
S4. To support voluntary and	0	0	0	Medium	N/A	N/A				
community networks, assist social inclusion and ensure community involvement in decision making.	Comments: Unlikely to have any significant effects.									
S5. To improve health and reduce health inequalities.	-	-	-	Low	Local	Long term		Seek to secure on-site public open space and the provision of routes through the site to Stadt Moers park.		
	considered loss of a pa Whiston ar Whiston ar proximity to participatio this objecti	sals would re t that the pro arcel of land nd Cronton V nd Cronton V o the park be on in informa ve but it is a	posals could within the m /illage area. I /illage area. I eing separate I recreation fi cknowledged	I reduce opportun uch larger park an It is however reco In addition, becau ad from it by a larg or the occupiers o	ities for the par rea and that the gnised that Sta se of the scale ge area of hous of these dwellin or a limited level	ticipation in sport ar of Green Space Audi adt Moers Park provi- of the development sing. It is therefore c gs. Accordingly, it is of certainty about th	It four publically accessible borough p id informal recreation. It is recognised t t 2012 identified a surplus of provision of des an important facility for more than , the proposals would result in some dw ponsidered that the proposals have the p considered that the proposals are likel his impact as it is acknowledged that the	hat the proposals would only result in of Parks and Gardens in the Prescot, just the residents of the Prescot, vellings that are presently in close potential to discourage some y to have a slight negative impact on		
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	+ +	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.		

KGB 12 - Eastern Side, Sta	adt Moer	s Park (n	orth eas	t), Prescot						
		Timescale	•			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	impact on t accommod	substantial c he objective ation to crea	of providing te a greater bjective wou	good quality hous tenure mix. The la ld become more s	sing. The propo arge capacity o significant as th	osals could also hav f the site may also h e development is bu	ern side of Stadt Moers Park would hav re a positive effect on the sub-objective nave a positive influence the financial via uilt out.	of providing a wider choice of		
S7. To improve educational	0	0	0	Medium	N/A	N/A				
attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	he working age po	opulation and c	ould support the co	uction sector. In addition, the developme ntinued viability of existing education an cant effects on this objective.			
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A				
manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	Comments: The site is not within close proximity of any designated heritage assets and it is therefore considered that the proposals for the eastern side of Stadt Moers Park unlikely to have any significant impact on this objective.									
Environment	-									
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.				Medium	Local	Long term	Secondary impacts on the perceptions of the area	Other policies of the Core Strategy should seek to retain existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character		
	The Draft k that the pro overall sep									

				t), Prescot				
		Timescale	)					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	the potenti is consider however a	ontains a Loc al to result in ed that the p cknowledged	the loss of F proposal coul that in the a	Priority Habitat an d have a negative absence of detaile	d have a detrir e impact on this ed ecological su	nental impact on a LV s objective and the su	n the site which is an identified Priority NS unless the identified mitigation me ub-objective of conserving and enhanc e potential impact of the proposals on	asures are implemented. As a result, i sing the natural environment. It is
		-	-	Medium	Local	Long term		Other policies in the Core Strategy

KGB 12 - Eastern Side, St	KGB 12 - Eastern Side, Stadt Moers Park (north east), Prescot         Timescale         Nature of Effect												
		Timescale	•										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PF (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are suffer the consequences of groundwater flooding. The proposals would also result in the loss of a substantial area of greenfield land that has the potential to provide habitat for species and help mitigate highe summer temperatures associated with climate change.												
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	? ? ? Low Local Long term Secondary impacts associated with Other policies in the Co												

KGB 12 - Eastern Side, St	adt Moer	s Park (n	orth east	t), Prescot				
		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	contribution implementa objective a maximise of Renewable study (200) Plan policie The site is that conner Willis and H The propos community modes, inc Consequer it is conside	uction and o n to mitigatin ed to retain o nd its sub-ob energy efficie Energy Cap 9) as a poter 9) as a poter es. however with cts Whiston Halsnead pri sal would the facilities. It i cluding walkin ntly, whilst th ered that it is	g climate cha on-site trees of ojective. It is ency. The site bacity Study ntial location hin close pro with Huyton I mary schools erefore lead t s therefore e ng and cyclin e proposals s uncertain w	ange through abs or secure adequa however recognis e is not however l (2009) and it is no for implementing ximity of Whiston Business Park. The s, Whiston library o the provision of nvisaged that the g.	sorbing carbon ate replacement sed that other p located within a ot in particularly district heating train station, is here are also a , Whiston Prima f housing in a lo e proposals have result in some of t on this objecti	dioxide. Consequent t planting, it is consid iolicies in the Core S ('Priority Zone' for re y close proximity to a . It is therefore unlike s near to Dragon Lar wide range of local ary Care Resource of boation which is relat the potential to reconstruction carbon emissions and	on emissions and the proposals could r tly, although it is acknowledged that mit dered that the proposals have the poter strategy are likely to ensure that all new enewable and low carbon energy as ide a site identified by the Knowsley Renew ely to deliver a reduction in carbon emis ne which is well served by buses and al- facilities within convenient walking dista- centre and the local shopping centres or ively well served by public transport and duce the need to travel and encourage d could thereby have a negative impact ant due to the scale of the proposals an	igation measures could be tital to have a negative impact on the development is designed in a way to ntified by the Liverpool City Region able and Low Carbon Energy Options ssions beyond those required by Local so adjacent to a traffic free cycle route ance of the site, including Whiston in Greene's Road and Dragon Drive. d within walking distance of a range of the use of sustainable transport
E5. To provide, conserve, maintain and enhance green infrastructure.	-			Medium	More than local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Seek to retain areas of woodland

KGB 12 - Eastern Side, St	KGB 12 - Eastern Side, Stadt Moers Park (north east), Prescot Timescale Nature of Effect											
		Timescale	•									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
	The propos Borough's one of the Knowsley I the loss of	<u>Comments:</u> The proposals would result in the loss of substantial area of a publically accessible borough park which offers the potential to function as an important part of the Borough's Green Infrastructure network. In particular, it is noted that the site is within the Whiston to Cronton Corridor 'Strategic Green Link' which was identified as one of the Borough's important strategic greenspace linkages in the Core Strategy Preferred Options report and the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) concludes that the proposals for the site would be likely to significantly undermine the quality on this asset. In addition, they would result in the loss of a sizeable section of a publically accessible country park and may also impact upon the areas of Priority Habitat within the site. It is therefore considered that the proposals could have a major negative impact on the objective and its sub-objective of improve the size and quality of the Ecological Framework.										
E6. To protect, manage and restore land and soil quality.	the develop	sals would re pment of the the sub-obje	site may pre ctive of reduc	esent some oppor cing land contami	tunities to addr nation. Neverth	ess any land contan eless, the overall im	ver noted the entire site is a former land nination associated with the former land upact of the proposals on the objective is which the site is affected by ground con	fill use and thereby have a positive s considered to be negative because				
E7. To protect, improve and where necessary, restore the quality of inland, and estuarine waters.	0 <u>Comments</u> Unlikely to	_	0 gnificant effe	Medium cts.	N/A	N/A						
E8. To protect, and where	0	0	0	Medium	N/A	N/A						

KGB 12 - Eastern Side, St	ide, Stadt Moers Park (north east), Prescot										
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
necessary, improve local air quality.	<u>Comments:</u> The proposals are likely to result in an increase in traffic in the immediate surrounding area. They also have the potential to result in the loss of an area of wo and it is recognised that trees can have a positive influence on air quality by removing pollutants from the atmosphere. The site is not however within an Air O Management Area and, as recognised by the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the site is located on the fringe of the u area and therefore has the potential to integrate with existing transport infrastructure. The site is within close proximity of Whiston train station and is located Dragon Lane which is well served by buses. There are also a wide range of local facilities within convenient walking distance of the site, including Whiston W Halsnead primary schools, Whiston library, Whiston Primary Care Resource centre and the local shopping centres on Greene's Road and Dragon Drive. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a rang community facilities. It is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes, including walking and cycling. Accordingly, and taking into account their scale, it is considered that the proposals are unlikely to have any significant is on the objective.										
E9. To use water and mineral resources prudently and efficiently.	0 Comments Unlikely to	-	0 gnificant effe	Medium cts.	N/A	N/A					
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	potential to served by I Whiston lib the provisio envisaged	sed by the D integrate wi buses. There rary, Whisto on of housing that the prop	th existing tr e are also a v n Primary Ca g in a locatio posals have t	ansport infrastruc wide range of loca are Resource cen n which is relative the potential to re	sture. The site is al facilities withi atre and the loca ely well served duce the need	s within close proxin n convenient walkin al shopping centres by public transport a to travel and encour	Secondary impacts on air quality and greenhouse gas emissions 2011), the site is located on the fringe of nity of Whiston train station and is locate g distance of the site, including Whiston on Greene's Road and Dragon Drive. Th and within walking distance of a range of rage the use of sustainable transport mo nd its sub-objective of encouraging susta	d near to Dragon Lane which is well Willis and Halsnead primary schools, ne proposal would therefore lead to community facilities. It is therefore des, including walking and cycling.			
E11. To minimise the production of waste and increase reuse, recycling and recovery rates. Economic	0 Comments Unlikely to	-	0 gnificant effe	Medium	N/A	N/A					

		Timescale		t), Prescot		Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
EC1. To improve the	0	0	0	Medium	N/A	N/A				
competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.										
EC2. To enhance the vitality and viability of town and local centres.	+	+	+	Medium	Local	Long term	Enhanced perceptions of the area and potential secondary impacts on the significance of the Prescot town centre conservation area.			
	<u>Comments:</u> Prescot town centre is approximately 1.2km to the north of the site. Given the significant residential capacity of the site, the proposals have the potential to have a positive impact on the vitality and viability of this centre by increasing levels of expenditure. The proposals could also support the local shopping centres on Greene's Road, which forms the main local centre for the Whiston area, and Dragon Drive. It is therefore considered that the proposals have the potential to have a positive impact on this objective.									
					,			nave the potential to have a positive		
EC3. Maintain high and stable evels of employment and reduce				Low	Local	Long term	Secondary impacts on deprivation and quality of life.			

GB 12 - Eastern Sig				t), Prescot				
		<b>Fimescale</b>	•		<b>r</b>	Nature of Effe		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
eds identified in the Strate bice of accommodation to hvenient walking distance is location could have a po ective of enhancing the vit	gic Housing Market create a greater ter of a range of commu sitive impact on the ality and viability of t	Assessmen nure mix. Th unity facilities objective of town and loo	t (2010) and he potential c s and in clos f reducing th cal centres. I	I have a significa development at the e proximity to the e need to travel n addition, due to	nt positive imp nis location we local centres and, through to the size of the	bact on the objective buld result in the prov- on Greene's Road a the generation of add ne potential developm	s Park would have the potential to mak of providing good quality housing and vision of housing in a location that is nd Dragon Drive. It is therefore consid litional expenditure in the local area, n ent, the delivery of additional dwellings ojectives of reducing poverty and social	its sub-objective of providing a v well served by public transport, w ered that the potential developme nay also have a positive effect or a may stimulate investment in the
proximately a quarter of w	nat is identified by t erefore considered t	he Council's	s Greenspace ential develop	e Audit as one o oment would have	f only four bo e a major neg	rough parks in Know ative impact on the o	impact on a number of objectives. In sley. The location also forms a key pa bjective of conserving green infrastruc il.	art of the Whiston to Cronton Cor
propriate measures to mitig ange. Nevertheless, it may d and, as a result, would	ate flood risk such a not be possible to w nevitably have som elopment would lead	as the use o holly mitigat e negative i d to the loss	f Sustainable e all of these mpact on the of approxima	e Drainage Syste e impacts. In parti e objective relatir ately a quarter of	ms should red icular, the pote ng to protectin Stadt Moers F	luce the degree of im ential development of g land and soil and i Park it is unlikely that	on of on-site open space and green of pact on the objectives relating to green the site would unavoidably result in the ts sub-objective of directing new devel its impact on the objectives relating to	i infrastructure and adapting to cline loss of a significant area of greer lopment to previously developed l
	scape; and protectin	ng, enhancir	ig and mana	iging biodiversity.	It is however	acknowledged that t	n adverse impact on the objectives re here can only be limited certainty abo rvation value.	
cognised that the construct	on and operation of Strategy are likely t	a developm o ensure that	nent of the so at all new dev	cale proposed wo	ould undoubted	dly result in a significa	f community facilities and well served lant amount of carbon emissions. Cons efficiency, it is considered that the impart	equently, and notwithstanding the

KGB 13 - Southern Tip, Stadt Moers Park, Prescot												
		Timescale	9			Nature of Eff	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
Social												
S1. To reduce poverty and social deprivation and secure economic inclusion.		not adjacent					ze. It is therefore considered that the pro pution to reducing deprivation and secur					
S2. To improve local accessibility of goods, services and amenities and reduce community severance.	Only the so also no prin the site is v future occu In addition, recognised provision o	-       -       Medium       Local       Long term         Comments:       Only the south eastern tip of the site is within a buffer zone of a bus stop and the site is not within particularly close proximity of Whiston train station. There are is also no primary schools within 600m of the site and the proposals are unlikely to be of a scale where they would incorporate on-site facilities. Consequently, although the site is within 1km of a GP and a health centre, it is uncertain whether the proposals would lead to the provision of housing in a location which would provide the future occupants of the site with easy access to existing services and facilities by a choice of means of transport.         In addition, the proposals would result in the loss of an area of Stadt Moers Park which is one of only four publically accessible borough parks in Knowsley. It is recognised that the proposals would only result in loss of a parcel of land within the much larger park area and that the Green Space Audit 2012 identified a surplus of provision of Parks and Gardens in the Prescot, Whiston and Cronton Village area. Nevertheless, is recognised that Stadt Moers Park provides an important facility for more than just the residents of the Prescot, Whiston and Cronton Village area.										
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments Unlikely to crime.		0 gnificant effe	Medium cts. Other policies			at all new development is designed in a	way that reduces opportunities for				
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	0 <u>::</u> have any siç	0 gnificant effe		N/A	N/A						
S5. To improve health and	0	0	0	Medium	N/A	N/A						

KGB 13 - Southern Tip, St	adt Moer	s Park, F	Prescot							
		Timescale	9			Nature of Ef	iect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
reduce health inequalities.	<u>Comments:</u> The proposals would result in the loss of an area of Stadt Moers Park which is one of only four publically accessible borough parks in Knowsley. It is therefore considered that the proposals could reduce opportunities for the participation in sport and informal recreation. Nevertheless, it is recognised that the proposals would only result in loss of a parcel of land within the much larger park area and that the Green Space Audit 2012 identified a surplus of provision of Parks and Gardens in the Prescot, Whiston and Cronton Village area. Accordingly, whilst it is recognised that Stadt Moers Park provides an important facility for more than just the residents of the Prescot, Whiston and Cronton Village area, given that the proposals would only result in a relatively small portion of the park, it is considered that the proposals are unlikely to have any significant effects upon this objective.									
S6. To provide good quality, affordable and resource efficient housing.	housing by the sub-ob	ered that the contributing ective of pro	to the housi oviding a wid	ing needs identifie	d by the 2010	Strategic Housing M	ential to have a positive impact on the ol larket Needs Assessment. The proposa ire mix. It is however noted that the relat	Is could also have a positive effect on		
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	he working age po	opulation and c	ould support the co	Liction sector. In addition, the developme ntinued viability of existing education an cant effects on this objective.			
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	site is sepa more mode	n of St Nicho rated from t ern developn	his listed bui nent and, as	lding by an existir such, the propose	ng area of hous als for the Sout	ing. Accordingly, it is hern Tip of Stadt Mo	dy Arbor Road. This is a Grade II listed s considered that the setting of this lister bers Park are unlikely to result in further t impact on the objective.	d building is already influenced by		

KGB 13 - Southern Tip, St	(GB 13 - Southern Tip, Stadt Moers Park, Prescot										
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
Environment	-	-	-	-		-	-	-			
E1. To protect, enhance and manage the local character and	-	-	-	Medium	Local	Long term	Secondary impacts on perceptions of the area.	Other policies in the Core Strategy should seek to retain existing trees			
accessibility of the landscape and countryside across Knowsley.	given that t on the over	Knowsley and the proposals rall separatic	s would only on of Huyton	result in the relea and Prescot. It is	ase of a relative however note	ly small parcel of SI d that the location co	nat the site forms part of a wide gap bet adt Moers Park, it is considered that the omprises of an area of parkland with are character of the landscape.	ey would not have a significant impact			
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.		ntains a Loc					o small sections of woodland within the				
	Habitat. It is recognised that the identified capacity of the site has been derived from the assumption that the LWS will be excluded from the developable area an unless this is the case, and the other identified mitigation measures are implemented, the proposals could result in the loss of Priority Habitat and have an adverse effect on LWSs. As a result, it is considered that the proposal would have a negative impact on this objective and the sub-objective of conserving and enhancing natural environment. It is however acknowledged that in the absence of detailed ecological surveys to establish the potential impact of the proposals on nature conservation value it is recognised that there can only be limited certainty about their impact on this objective.										

KGB 13 - Southern Tip, St	adt Moer	s Park, F	Prescot					
		Timescale	•			fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E3. To adapt to climate change including flood risk.	recognise t groundwate susceptible The propos	inary Flood I that there is a er flooding. <i>I</i> e area are lik sals would al	a lack of loca Accordingly, f ely to suffer f so result in ti	Il information in re the information or the consequence	elation to groun a groundwater f s of groundwate antial area of g	dwater flooding and looding is caveated er flooding.	a that is susceptible to ground water floo I that the dataset used only identifies wid by the acknowledgement that only isola	der areas that may be at risk from ated locations within the overall
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.

KGB 13 - Southern Tip, S	tadt Moer	rs Park, F	Prescot							
		Timescale	e			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
renewable sources.	Comments:         The construction and operation of this development would inevitably result in some carbon emissions and the proposals could result in the loss of trees which make contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the potential to have a negative impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Optio study (2009) as a potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyond those required by Loc Plan policies.         As recognised by the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011), the site is located on the fringe of the urban area and therefore has the potential to integrate with existing transport infrastructure. Nevertheless, only the south eastern tip of the site is within a buffer zone of a bus stop and the site is not within particularly close proximity of Whiston train station. The site is within 1km of a GP and it is also well-related to employment opportunities at Huyton Business Park but there are no primary schools within 600m of the site. It is therefore uncertain whether the proposals would encourage the use of more sustainable modes transport.         Notwithstanding the above, due to the relatively small capacity of t									
E5. To provide, conserve, maintain and enhance green infrastructure.	-       -       -       Medium       Local       Long term       Secure the provision of appropr on-site open space and green corridors through the site.         -       -       -       -       Medium       Local       Long term       Secure the provision of appropr on-site open space and green corridors through the site.         -									
	Comments: The proposals would result in the loss of an area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network. In particular, it is noted that the site is within the Whiston to Cronton Corridor 'Strategic Green Link' which was identified as one of the Borough's important strategic greenspace linkages in the Core Strategy Preferred Options report and the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) concludes that, despite its small scale, the proposals would be likely to have a significant negative impact on this asset due to its location at the southern access to Stadt Moers Park. The proposals may also impact upon the areas of Priority Habitat within the site. It is therefore considered that the proposals could have a major negative impact on the objective and its sub-objective of improve the size and quality of the Ecological Framework.									

KGB 13 - Southern Tip, St	adt Moer	's Park, F	Prescot					
		Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E6. To protect, manage and restore land and soil quality.	-	-	-	Low	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
	present so reducing la	sals would re me opportun and contamir	ities to addre ation. Never	ess any land cont theless, it is cons	amination asso idered that the	ociated with the form overall impact of the	that part of the site is a former landfill a er landfill use and thereby have a posit e proposals on the objective is negative by ground contamination being unkno	tive impact on the sub-objective of due to the size of the area of
E7. To protect, improve and	0	0	0	Medium	N/A	N/A		
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	<u>s:</u> have any się	nificant effe	cts.				
E8. To protect, and where	0	0	0	Medium	N/A	N/A		
necessary, improve local air quality.	on the fring within a bu to employn encourage	not within ar ge of the urb ffer zone of nent opportu the use of n	an area and a bus stop ar nities at Huy nore sustaina	therefore has the nd the site is not v ton Business Par	potential to int within particula k but there are	egrate with existing rly close proximity of no primary schools	transport infrastructure. Nevertheless,	n 1km of a GP and it is also well-related uncertain whether the proposals would
E9. To use water and mineral	0	0	0	Medium	N/A	N/A		
resources prudently and efficiently.	Comments Unlikely to	-	nificant effe				1	

KGB 13 - Southern Tip, St	adt Moer	's Park, F	Prescot								
		Timescale	•			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	?	?	?	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.			
E11. To minimise the production of waste and increase reuse,	potential to within parti Business F	sed by the D o integrate wi cularly close Park but there ransport. Acc 0	th existing tr proximity of are no prim	ansport infrastruc Whiston train sta nary schools withi	ture. Neverthe tion. The site is n 600m of the s	less, only the south s however within 1kr site. It is therefore ur	eastern tip of the site is within a buffer : n of a GP and it is also well-related to e	employment opportunities at Huyton ncourage the use of more sustainable			
recycling and recovery rates.	-		gnificant effe	cts.							
	0	0	0	Modium	NI/A	NI/A	1				
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	Comments	0       0       Medium       N/A       N/A <u>Comments:</u>									
EC2. To enhance the vitality and viability of town and local centres.	+	+	+	Low	Local	Long term	Cumulative impact with other proposals in the Prescot / Whiston area.				

KGB 13 - Southern Tip, St	adt Moer	's Park, F	Prescot			Nature of Eff		
		Timescale	9					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	and viabilit Neverthele viability of	approximate y in recent y ss, the relati Prescot towr	ears. The pro ively limited on centre. The	oposals for the so capacity of the site proposals could	uthern tip coul would reduce however suppo	d increase expenditu the degree of certa ort the local shopping	sley Town Centre and Shopping Study are in the town centre and thereby contri- inty that the proposals would have a sig g centres on Greene's Road, which form me positive impact on this objective.	bute to its vitality and viability. nificant impact on the vitality and
EC3. Maintain high and stable levels of employment and reduce long-term unemployment.	Whiston area. It is therefore considered that the proposals have the potential to have some positive impact on this objective.         0       0       0       Medium       N/A       N/A <u>Comments:</u> The construction of the housing has the potential to generate some employment opportunities in the construction sector and the proposals would a additional working age people to the area. Nevertheless, given the relatively low potential capacity of the site it is envisaged that the proposals would significant impact on this objective.							
Sustainability Summary		•						

	Ti	imescale				Nature of Effect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
The potential development of the Southern tip of Stadt Moers Park would make some positive contribution to the objective of providing good quality, affordable and resource efficient housing. In addition, by generating some additional expenditure in nearby district centres, the potential development may also have some positive impact on the objective of enhancing the vitality and viability of town and local centres, although it is recognised that the relatively limited capacity of the location would reduce the degree of certainty that the potential development would have a significant impact on this objective. It is however envisaged that the potential development at the Southern tip of Stadt Moers Park would have a negative impact on a number of objectives. In particular, it is considered that the possible loss of priority habitat coupled with the potential impact on nearby Local Wildlife Sites, including Tushingham's Pond, mean that the potential development is likely to have a significant negative impact on the objective relating to biodiversity unless appropriate mitigation measures are implemented. Key mitigation measures to reduce the level of impact on this objective are likely to include undertaking ecological surveys, protecting areas of woodland and the creation of an appropriate buffer around the LWS.										
t is also considered that the loss of nfrastructure, particularly as the Gre provided at the park. Whilst it may andscape character, it is considered	this section of enspace Audit be possible to I that it may be	f the park (2012) ide mitigate s e difficult t	could have a ntifies Stadt ome of thes o mitigate sc	a negative impact Moers Park as or e impacts, for ex ome of the other	t on the objecti ne of four borou cample the pro impacts. In par	ugh parks in Knowsle vision of on-site lan rticular, the potential	ssibility of facilities; landscape charactery which reflects the range of recreation dscaping could lessen the negative in development of the location would ine soil and its sub-objective of directing ho	opportunities and community facilities pact on the objective relating to loc evitably result in the loss of an area		
	se of sustainat	ble modes	of travel is u	ncertain. It is also	considered the	at the potential deve	that the impact of the potential develo lopment would have an uncertain impact objective key mitigation measures are	ct on the objective relating to mitigatir		

		Key fo	r effects		
++ major positive;	+ minor positive;	0 neutral;	– minor negative;	– – major negative;	? uncertain

KGB 15 - Bowring Park (n	orth), Hu	yton							
		Timescale	•			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
Social									
S1. To reduce poverty and social	0	0	0	Low	N/A	N/A			
deprivation and secure	Comments	_							
economic inclusion.	The site is not adjacent to an identified regeneration area nor is it relatively large in size. It is therefore considered that the proposals for the site are unlikely significant impact on the delivery of regeneration priorities or make a significant contribution to reducing deprivation and securing economic inclusion.								
	e.g.		• ••••••	regeneration prio					
S2. To improve local	+	+	+	Low	Local	Long term			
accessibility of goods, services		Comments: The proposals are unlikely to be of a scale where they would incorporate significant on-site facilities. Nevertheless, they would result in the provision of housing in							
and amenities and reduce									
community severance.							ch is within 200m of Roby Road which p site, including a local parade of shops or		
							600m to the north west. The proposal wo		
							ess to existing services and facilities by		
						bility of these service			
					<u>.</u>				
							se as a golf course. Bowring Park is the		
							s, formal and informal activities and con Park Golf Club a fair quality rating. It is		
							urplus of 5.79 ha of public open space re		
							the site is developed. Accordingly, it is o		
				tive but with a low					
			,			,			
S3. To improve safety and	0	0	0	Medium	N/A	N/A			
reduce crime, disorder and fear	Comments	-							
of crime.		have any sig	gnificant effe	cts. Other policies	in the Core S	trategy will ensure th	nat all new development is designed in a	a way that reduces opportunities for	
	crime.								
S4. To support voluntary and	0	0	0	Medium	N/A	N/A			
appoint totalitally allo	v	v	v	moaran		1		L	

KGB 15 - Bowring Park (n	orth), Hu	yton						
		Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
community networks, assist social inclusion and ensure community involvement in decision making.	Comments Unlikely to	<u>:</u> have any siç	gnificant effe	cts.			·	
S5. To improve health and reduce health inequalities.	-	-	-	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site public open space.
	as a golf connegative in Space Auc	sals are not o ourse. Accor npact on this lit also identi	dingly, it is re objective. It fied that the	ecognised that the is therefore cons site is located wit ly a low level of co	e proposals ma idered that the hin an area tha ertainty about th	y reduce some oppo proposals would have t is considered to have nis potential impact.		n would have the potential to have a is however noted that the Green space relative to the Council's adopted
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Medium	Local	Long term	Cumulative impact with other developments on securing a more balanced housing market.	Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.
	the sub-ob Housing M approxima	sals would le jective of pro arket Assess tely half the l	oviding a wid sment (2010 Merseyside a	er choice of accor ) established that average and also on this sub-object	nmodation to c the area's hous below the Nort ive.	reate a greater tenusing stock is charaction h West and national	e a positive impact on both the objective are mix which is particularly pertinent in terised by a very low proportion of socia averages. It is however noted that the i	South Huyton given that the Strategic Ily-rented housing that is
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	will provide	uction of the additional n	nembers of t	he working age p	opulation and c	ould support the co	uction sector. In addition, the development ntinued viability of existing education an cts on this objective.	

KGB 15 - Bowring Park (n	orth), Hu	yton						
		Timescale	)			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	Road to the have an ad site adjoins	rn part of the e north of the lverse impac	e site. Given t on the histo prises of a re	the openness of I oric character and	and to the sout openness of t	h of the Conservation	Secondary impacts on the image of the area and sense of place. that there are eight Grade II listed buildi on Area it is recognised that development ea. It is however acknowledged that the attent to which the proposals would impa	nt in this location has the potential to section of conservation area which the
Environment	<u>.</u>							
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across Knowsley.	-	-	-	Medium	Local	Long term		Other policies of the Core Strategy should ensure the retention of existing trees and secure appropriate landscaping to moderate the impact of the proposals on the local landscape character
	settlements area would western bo Tree Prese the local la	Knowsley and s in Liverpoo not have a s undary and f rvation Orde	l but, given t significant im therefore dev er. The propo ess the ident	hat the proposals apact on the overa velopment in this osals therefore no tified mitigation m	would only res Ill separation o location could l t only have the	ult in the release of f these settlements. ack containment. Th potential to lack cor	the site forms part of a wide gap betwee the eastern part of Bowring Park, it is co The study does however recognise tha he site also contains areas of woodland ntainment to the west but may also resu sult, it is considered that the proposals h	onsidered that the proposals for the tt the site does not have a strong and a number of trees protected by It in the loss of important features of

		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	therefore h are implem absence of	ontains section have the pote mented and it	ential to resul is acknowle plogical surv	t in the loss of Pri dged that there m eys to establish th	iority Habitat ar ay be potential	nd, as a result, have to retain some of th	ite, which are identified as a Priority Ha a negative impact on the objective unle ese sections of woodland within any de on nature conservation value it is reco	ess the identified mitigation measures evelopment. Furthermore, in the
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.

KGB 15 - Bowring Park (n	orth), Hu	yton							
		Timescale	9			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	Comments: The Preliminary Flood Risk Assessment (2011) indicates that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PF recognise that there is a lack of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the over susceptible area are likely to suffer the consequences of groundwater flooding. The proposals would however result in the loss of a substantial area of greenfield land that has the potential to provide habitat for species and help mitigate summer temperatures associated with climate change.								
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	?	?	?	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.	
renewable sources.	contribution implementa objective a maximise e Renewable study (2002 Plan policie The site er corridor. Th centre with provision o envisaged Consequer it is conside	uction and o n to mitigatin ed to retain o nd its sub-ol energy efficie Energy Cap 9) as a poter es. htire site is w here are also in 600m, a lo f housing in that the prop ntly, whilst the ered that it is	ing climate ch pon-site trees bjective. It is ency. The site pacity Study ntial location within walking to a wide range eisure centre a location wite posals have the proposals is uncertain w	ange through abs or secure adequa however recognis e is not however le (2009) and it is no for implementing distance of Roby ge of local facilities 250m to the east hich is relatively w the potential to reco would inevitably r	orbing carbon te replacement ed that other p pocated within a ot in particularly district heating train station ar within conven of the site, and ell served by p duce the need esult in some of on this objecti	dioxide. Consequen t planting, it is consid- olicies in the Core S 'Priority Zone' for re close proximity to a . It is therefore unlik ad the northern part ient walking distance d a GP and health c ublic transport and to travel and encour	oon emissions and the proposals could n tly, although it is acknowledged that miti dered that the proposals have the poten Strategy are likely to ensure that all new enewable and low carbon energy as iden a site identified by the Knowsley Renewa ely to deliver a reduction in carbon emis of the site is within 200m of Roby Road te of the site, including a local parade of entre 500m to the north west. The propo- within walking distance of a range of cor age the use of sustainable transport mo d could thereby have a negative impact ant due to the scale of the proposals and	gation measures could be tial to have a negative impact on the development is designed in a way to ntified by the Liverpool City Region able and Low Carbon Energy Options sions beyond those required by Local which provides a high frequency bus shops on Tarbock Road, Huyton town osal would therefore lead to the nmunity facilities. It is therefore des, including walking and cycling. on the objective and its sub-objective,	

	north), Hu			I				
		Timescale	9			Nature of Eff	iect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E5. To provide, conserve, maintain and enhance green infrastructure.	 Comments:	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies of the Core Strategy should ensure the retention of areas of woodland and public rights of way	
	The site is area of gre	not within ar enfield land					referred Options report. The proposals teen Infrastructure network and may also	
				e considered that al Framework.	the proposals h		have a negative impact on the objective	
E6. To protect, manage and restore land and soil quality.					the proposals h			
	the size an - <u>Comments</u> The propos	d quality of t	the Ecologica	al Framework. Medium	Local site which is la	Long term		e and the sub-objective of improving Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
	the size an - <u>Comments</u> The propos	d quality of t	the Ecologica	al Framework. Medium	Local site which is la	Long term	have a negative impact on the objective	e and the sub-objective of improving Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
restore land and soil quality.	the size an - <u>Comments</u> The propos considered 0 <u>Comments</u>	d quality of t - sals would re I that they wo	the Ecologica - esult in the lo ould have a r	al Framework. Medium oss of a greenfield negative impact o Medium	Local site which is la n the objective	Long term Long term argely considered to and the sub-objectiv	have a negative impact on the objective	e and the sub-objective of improving Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.

KGB 15 - Bowring Park (n	orth), Hu	iyton						
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
necessary, improve local air quality.	200m of R including a to the north distance of sustainable	not within ar oby Road wh local parade h west. The j f a range of c e transport m	nich provides e of shops or proposal wou community fa nodes, includ	a high frequency n Tarbock Road, I uld therefore lead acilities. It is there ling walking and c on this objective.	v bus corridor. T Huyton town ce to the provisior fore envisaged cycling. Accordi	There are also a wid ntre within 600m, a o of housing in a loc that the proposals h ngly, and taking into	ing distance of Roby train station and the range of local facilities within conveni- leisure centre 250m to the east of the station which is relatively well served by phave the potential to reduce the need to be account their relatively limited scale, it	ent walking distance of the site, site, and a GP and health centre 500m public transport and within walking o travel and encourage the use of
E9. To use water and mineral resources prudently and efficiently.	0 Comments Unlikely to	0 <u>s:</u> have any sig	0 gnificant effe	Medium cts.	N/A	N/A		
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	corridor. T centre with provision c envisaged	htire site is w here are also hin 600m, a lo of housing in that the prop	o a wide rang eisure centre a location wi posals have	e of local facilities 250m to the east hich is relatively w the potential to re	s within conver t of the site, an vell served by p duce the need	ient walking distance d a GP and health coublic transport and to travel and encour	Secondary impacts on air quality and greenhouse gas emissions of the site is within 200m of Roby Road e of the site, including a local parade o entre 500m to the north west. The prop within walking distance of a range of co rage the use of sustainable transport m and its sub-objective of encouraging sust	f shops on Tarbock Road, Huyton town bosal would therefore lead to the ommunity facilities. It is therefore odes, including walking and cycling.
E11. To minimise the production of waste and increase reuse, recycling and recovery rates.	0 Comments Unlikely to	0 <u>s:</u> have any sig	0 gnificant effe	Medium	N/A	N/A		
Economic	1	1	1	1				
EC1. To improve the	0	0	0	Medium	N/A	N/A		

KGB 15 - Bowring Park (n	orth), Hu	yton								
		Timescale	•			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.		sals for Bowi					sult in the loss of a section of an existing the proposals are unlikely to have a sign	g golf course and would therefore have gnificant impact on this objective.		
EC2. To enhance the vitality and viability of town and local	+	+	+	Low	Local	Long term	Enhanced perceptions of the area.			
centres.	Huyton tow by increasi	<u>Comments:</u> Huyton town centre is approximately 600m north east of the site. The proposals have the potential to have a positive impact on the vitality and viability of this centre is approximately 600m north east of the site. The proposals have the potential to have a positive impact on the vitality and viability of this centre is proposals on the vitality and viability of Huyton town centre and reduces the level of certainty that they would have a positive impact on the objective.								
EC3. Maintain high and stable levels of employment and reduce	+	+	+	Low	Local	Long term	Secondary impacts on deprivation and quality of life.			
long-term unemployment.		uction of the					the construction sector and the propose have the potential to have some positiv			
Sustainability Summary	<u>.</u>						·			

		Timescale	)			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
bejective of providing good quality ho Strategic Housing Market Assessmer esult in the provision of housing in a levelopment could have a positive in the recreation ground at this location The potential development at this loc (nowsley's town centres. It is howev bejective. In addition, the potential de hrough the creation of employment of	busing and its a location that apact on the reduces the ation could a er acknowled evelopment a pportunities	s sub-objecti ablished that at is well ser objective of degree of ce also generate dged that the t this location associated v	ive of providing the area's h ved by public reducing the reducing the reducing that the reductional effect and additional effect relatively ling n may have with the const	ing a wider choice housing stock is c ic transport and v need to travel; a he potential devel expenditure in Hu mited capacity of some positive im struction of the de	e of accommod haracterised by vithin convenie nd improving th lopment would yton town cent the location re pact on the obj velopment.	dation to create a gr y a very low proporti nt walking distance he local accessibility have a positive impo- re and thereby have duces the level of c ective of maintaining	he provision of housing at this location eater tenure mix, which is particularly p on of socially-rented housing. The poter of a range of community facilities. It is of goods, services and amenities. It is act on this second objective. It is some positive impact on the objective ertainty that the potential development of high and stable levels of employment hough it is recognised that the Green S	ertinent in South Huyton given that the tial development at this location would therefore considered that the potent nowever acknowledged that the loss of enhancing the vitality and viability would have a significant impact on the and reducing long-term unemployme
bjective relating to health due to the he development of a greenfield site elating to landscape character; biod elating to landscape character and ppropriate landscaping. Nevertheles	resultant los for housing iversity; gree biodiversity ss, the impac t taking plac	and the pote and the pote en infrastruct could be re- ct on other o e on a signi	nities to part ential loss of ture; and pro duced throu bjectives su ificant area	icipate in sport an areas of woodlan otecting land and gh undertaking a ich as the one re of greenfield land	nd informal recr nd within the sit soil. It may be ppropriate eco lating to protec d. It is howeve	eation. te would also mean e possible to mitigat plogical surveys, pro sting land and soil ca pr recommended that	that the loss of the recreation ground that the potential development could have some of these impacts, for instance tecting areas of woodland along the p annot be mitigated wholly as the poten any development which takes place	ve a negative impact on the objective the negative impact on the objective perimeter of the location and securin tial development of this location wou
levelopment taking place in a location mpact on this objective is likely to be	on that has b the applicati	been identifie on of approp	ed by the Pre priate measu	eliminary Flood R res to mitigate flo	tisk Assessmer od risk such as	nts (2011) as being the use of Sustaina	0.1	key mitigation measure to reduce t
	e Conservati	ion Area it is	s recognised	d that developme	nt in this locat	ion has the potentia	is along Roby Road and Station Road al to have an adverse impact on the h	istoric character and openness of t

KGB 19 - Land to the nort	h of Cror	nton Villa	ige					
	-	Timescale	e					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social								
S1. To reduce poverty and social deprivation and secure economic inclusion.		not adjacent					ze. It is therefore considered that the probution to reducing deprivation and secu	
S2. To improve local accessibility of goods, services and amenities and reduce	-	-	-	Low	Local	Long term		Seek to secure improvements to the public transport connections to Knowsley's town centres.
community severance.	location that could contr 'good quali	sals are unlik at is not part ribute to the ity' by the Co	icularly well- continued via puncil's Gree	served by public t ability of these. Th en Space Audit an	ransport. There he proposals we d the site is not	e is a small range of ould however lead to	site facilities and the proposals would re community facilities within walking dista to the loss of an existing area of public of ity of a railway station or a large district ective.	nce of the site and the proposals pen space that is rated as being of
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments Unlikely to crime.	-	0 gnificant effe	Medium	N/A in the Core St	N/A trategy will ensure th	at all new development is designed in a	a way that reduces opportunities for
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	_	0 gnificant effe	Medium	N/A	N/A		
S5. To improve health and reduce health inequalities.	-	-	-	Low	Local	Long term	Secondary impacts on quality of life	Seek to secure on-site public open space and the provision of a replacement playing field.

	Timescale							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	existing are Council's a the Green and inform	sals are unlik a of public o dopted stand Space Audit al recreation	open space. dards, it is re rated playing and could th	Whilst the Greens cognised that the g pitches at Hall L nereby have a neg	space Audit (20 loss of this pa ane Park as 'g gative impact o	)12) established that rk is likely to result in ood quality'. The de n this objective. The	facilities and they would result in the los the area has a slight surplus of 0.46ha n the area having a marginal deficit in p velopment would therefore reduce opporter re is however only a low level of certain rensure participation in such pursuits.	in public open space relative to the ublic open space. It is also noted that rtunities for the participation in sport
S6. To provide good quality, affordable and resource efficient nousing.	+	+	+	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design
iouoing.								
	housing an Strategic H	sals would le d the sub-ob lousing Mark	pjective of protective of protective of protective of the protection of the protecti	oviding a wider ch	noice of accomi shed that Cron	modation to create a ton has house price	e a positive impact on both the objective a greater tenure mix which is particularly s above the Borough average. It is how	and resource efficiency. e of providing good quality, affordable pertinent in Cronton given that the
S7. To improve educational	The proposition for the proposition of the proposit	sals would le d the sub-ob lousing Mark	pjective of protective of protective of protective of the protection of the protecti	oviding a wider ch ent (2010) establi	noice of accomi shed that Cron	modation to create a ton has house price	greater tenure mix which is particularly	and resource efficiency. e of providing good quality, affordable pertinent in Cronton given that the
-	The propos housing an Strategic H capacity of <u>O</u> <u>Comments</u> The constr will provide	sals would le id the sub-ob lousing Mark the site may 0 <u></u> uction of the additional n	ojective of pro- ket Assessmo reduce the 0 housing main nembers of t	oviding a wider ch ent (2010) establi degree of impact Medium y generate some he working age p	noice of accomi shed that Cron on this sub-obj N/A training opport opulation and c	modation to create a ton has house prices ective. <u>N/A</u> unities in the constru- could support the con	greater tenure mix which is particularly	and resource efficiency. e of providing good quality, affordable pertinent in Cronton given that the ever noted that the relatively limited ent of this site for residential purposes

KGB 19 - Land to the north	h of Cror	ton Villa	ge					
	-	Timescale	)			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	<u>Comments:</u> Both parcels of land adjoin the Cronton Conservation Area and are therefore considered to be within a historic setting. The Conservation Area Appraisal for Conserves that the area is surrounded by arable land. Accordingly, as the proposals would result in the loss of an area of arable land to the west of the conservation area it is considered that they have the potential to have an negative impact on the significance of this heritage asset by adversely affecting the character and openness of its setting. It is also noted that there are four Grade II Listed Buildings and six Archaeological Sites between the two parcels of land. Whilst the set these assets is already partly affected by modern residential development, it is considered that the proposals could result in further harm to their setting. It is the considered that the proposals have the potential to have a significant negative impact on this objective.							
Environment								
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across				Medium	Local	Long term	Secondary impacts on perceptions of the area.	Seek to secure appropriate landscaping to moderate the impact of the proposals on the local landscape character
Knowsley.	Pex Hill. It considers t developme farmland th the objectiv	il's Landsca describes th hat the close nt, particula nat contribute /e. In additio	is area as be proximity o ly that which as to the rura n, as the pro	eing made up of n f the urban fringe n would take place al setting of Cronto posals for the eas ve impact on the	nedium sized fie to the boundar on the wester on Village. It is stern parcel of sub-objective o	elds with few field bo ies of the area has a n parcel of the site, therefore considere the site would result f providing the requi	Low Sandstone Hills and specifically we bundaries and barely any enclosure. The a negative impact from the pressures this would result in the expansion of the urbu- d that the proposals have the potential to in the loss of an existing area of public ired amount of open space.	e Landscape Character Assessment s brings to farmland. The proposed an fringe and the loss of an area of o have a significant negative impact on
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	0 <u>Comments</u> Unlikely to	0 <u>:</u> have any się	0 gnificant effe	Medium	N/A	N/A		

KGB 19 - Land to the nort	o the north of Cronton Village											
	-	Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk, through for example the incorporation of Sustainable Drainage Systems.				
	The Strates (2011) indi	<u>Comments:</u> The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3 and the Preliminary Flood Risk Assessment (PFF (2011) indicates that it is not within an area that is susceptible to ground water flooding. The proposals would however result in the loss of a greenfield site that h the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.										
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	-	-	-	Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk.	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.				
renewable sources.	are likely to and low ca identified b deliver a re Cronton Vii within 2km centre and housing in site.	uction and o o ensure that rbon energy y the Knows eduction in ca llage is serve of the site. I the proposa a location w	t all new dever as identified ley Renewal arbon emissi ed by buses n addition, w Is would resu hich is not pa	elopment is desig by the Liverpool ole and Low Carb ons beyond those to Widnes and Liv hilst there is a pri ult in the loss of a articularly well-ser	ned in a way to City Region Re on Energy Opti required by Lo verpool but the mary school ar n existing area ved by public to	o maximise energy e enewable Energy Ca ons study (2009) as ocal Plan policies. se do not provide a of public open space	fficiency. The site is not however locate pacity Study (2009) and it is not in parti a potential location for implementing di particularly frequent service and it is not s within walking distance of the site the re. It is therefore considered that the pro- relatively small range of community faci	icularly close proximity to a site istrict heating. It is therefore unlikely to ted that there is no railway station site is not within 1km of a GP or health oposals would result in the provision of				

		nton Villa	<u> </u>			Nature of Eff				
		Timescale			-					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Seek to secure the delivery of replacement public open space		
	Comments:         The site is not within an area identified as a Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss of greenfield site that offers the potential to function as part of the Borough's Green Infrastructure network. It would also lead to the loss of a recreation ground. It is therefore considered that the proposals would have a negative impact on the objective.         -       -       Medium       Local       Long term       Ensure development is built to a									
	therefore c	-	at the propo					Ensure development is built to an		
E6. To protect, manage and restore land and soil quality.	-	-	at the propo					Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.		
	- <u>Comments</u> The proposi land and th	- <u> :</u> sals would re hat the weste	esult in the lo	Medium oss of an area of g the site appears t	Local greenfield land. to be within agr	Long term It is also noted that icultural use. It is the	the entire site is classified as Grade 2 E prefore considered that the proposals h usly developed land.	appropriate density to minimise the need to release further greenfield sites. Best and Most Versatile agricultural		
restore land and soil quality.	- <u>Comments</u> The proposi land and th	- <u> :</u> sals would re hat the weste	esult in the lo	Medium oss of an area of g the site appears t	Local greenfield land. to be within agr	Long term It is also noted that icultural use. It is the	refore considered that the proposals have	appropriate density to minimise the need to release further greenfield sites. Best and Most Versatile agricultural		
restore land and soil quality. E7. To protect, improve and	- Comments The proposiland and the impact on the second	- sals would re nat the weste this objective	esult in the lo ern parcel of and also or	Medium oss of an area of g the site appears t n the sub-objective	Local greenfield land. to be within agr e of directing no	Long term It is also noted that icultural use. It is the ew housing to previo	refore considered that the proposals have	appropriate density to minimise the need to release further greenfield sites. Best and Most Versatile agricultural		
	- <u>Comments</u> The proposiland and th impact on the <u>0</u> <u>Comments</u>	- sals would re nat the weste this objective	esult in the lo ern parcel of and also or 0	Medium bes of an area of g the site appears t n the sub-objective Medium	Local greenfield land. to be within agr e of directing no	Long term It is also noted that icultural use. It is the ew housing to previo	refore considered that the proposals have	appropriate density to minimise the need to release further greenfield sites. Best and Most Versatile agricultural		

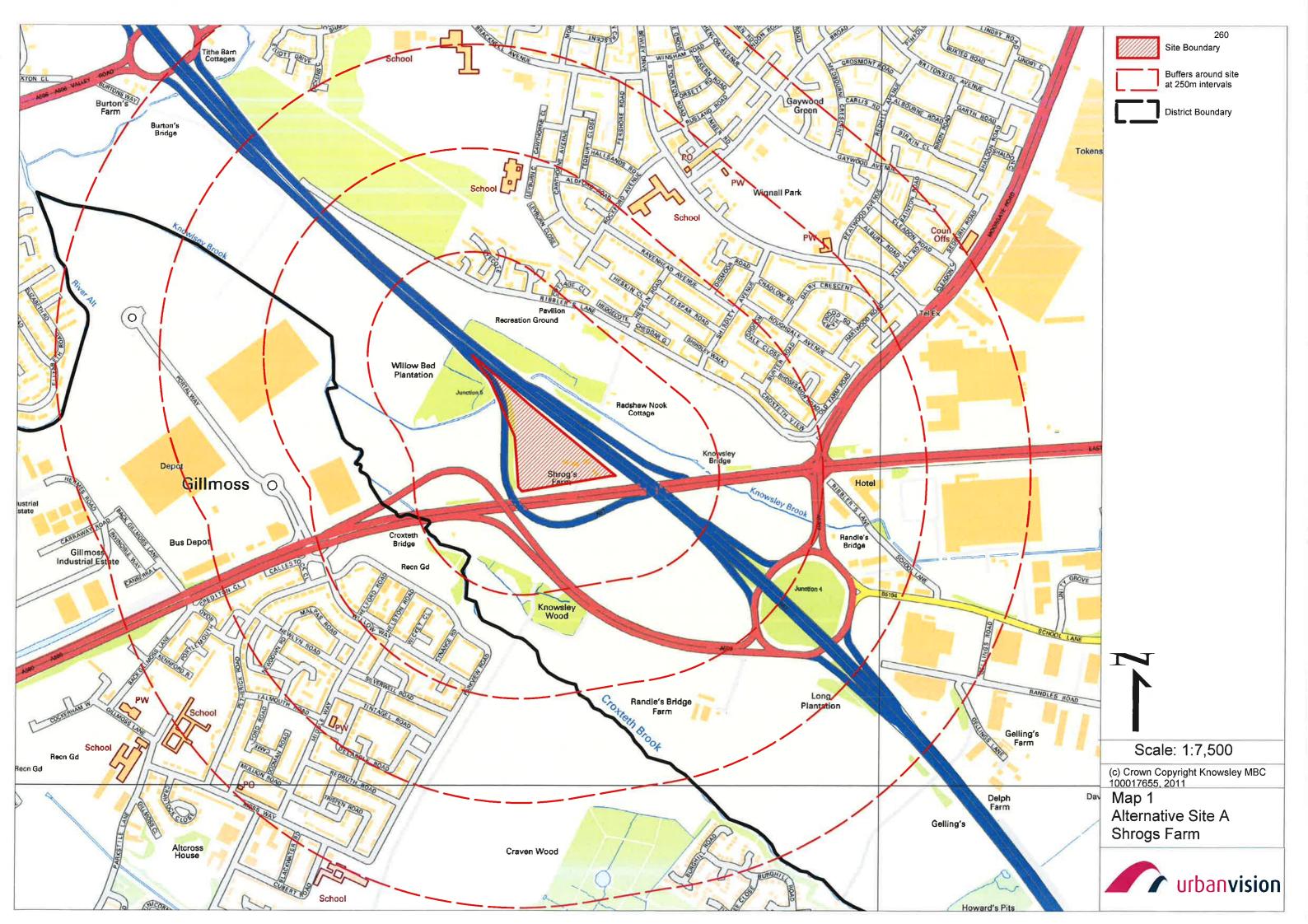
KGB 19 - Land to the nort	h of Cror	nton Villa	ige					
		Timescale	e			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
necessary, improve local air quality.	on the fring Liverpool b primary sc existing an served by result in a	not within ar ge of the urb out these do hool and a p ea of public o public transp developmen	an area and not provide a arade of sho open space. oort and whic	therefore has the a particularly freques ps within walking It is therefore con h has a relatively rly reliant on priva	potential to interest of the service and distance of the sidered that the limited range o	egrate with existing t d it is noted that ther site, it is not within proposals would re f community facilities	Cnowsley and Sefton Green Belt Study – cransport infrastructure. Cronton Village re is no railway station within 2km of the 1km of a GP or health centre and the pr esult in the provision of housing in a loca s within convenient walking distance. Th edged that given the relatively limited sc	is served by buses to Widnes and site. In addition, whilst there is a oposals would result in the loss of an tion which is not particularly well- ne proposals are therefore likely to
E9. To use water and mineral	0	0	0	Medium	Local	Long term		
resources prudently and efficiently.	Comments Unlikely to	-	gnificant effe	cts.				
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	-	-	-	Low	Local	Long term		Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.
	potential to service and of the site considered limited ran transport. use.	sed by the D integrate w d it is noted t the site is no I that the pro ge of commu	ith existing tr that there is r t within 1km posals would unity facilities e envisaged t	ansport infrastruc no railway station of a GP or health d result in the pro- s within convenien that the proposals	ture. Cronton V within 2km of th centre and the <i>r</i> ision of housin t walking distar would have a n	fillage is served by b ne site. In addition, v proposals would res g in a location which nce. The proposals a ninor negative impa	2011), the site is located on the fringe of buses to Widnes and Liverpool but these whilst there is a primary school and a pa sult in the loss of an existing area of put in is not particularly well-served by public are therefore likely to result in a develop ict on the objective and its sub-objective	the urban area and therefore has the do not provide a particularly frequent rade of shops within walking distance blic open space. It is therefore transport and which has a relatively ment which is fairly reliant on private
E11. To minimise the production	0	0	0	Medium	N/A	N/A		

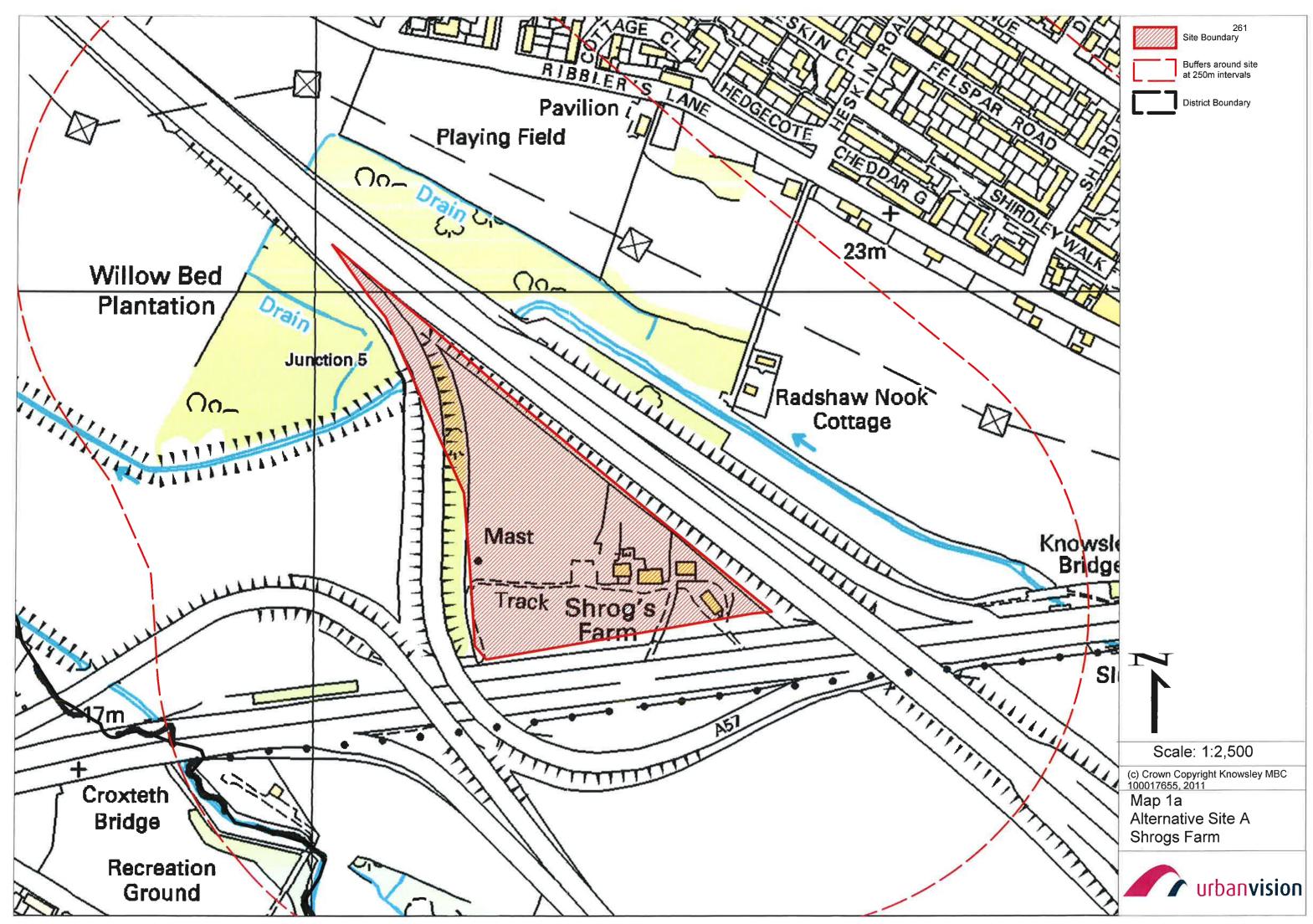
KGB 19 - Land to the nort	h of Cror	nton Villa	ge						
		Timescale	;			Nature of Ef	fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
of waste and increase reuse, recycling and recovery rates.	Comments Unlikely to	-	gnificant effe	cts.					
Economic	-								
EC1. To improve the	0	0	0	Medium	N/A	N/A			
competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	Comments The propos	-	to the north	of Cronton Villag	e do not include	e an employment el	ement and are therefore unlikely to ha	we a significant effect on this objective.	
EC2. To enhance the vitality and viability of town and local centres.	?	?	?	Low	Local	Long term		Seek to secure improvements to the public transport connections to Knowsley's town centres.	
	also taking	sals have the into conside	eration that se	ome of the expen	diture generate	d by the developme	ps on Hampton Drive. Nevertheless, g ent may be diverted to the relatively ne vn centres is uncertain		
EC3. Maintain high and stable	0	0	0	Medium	N/A	N/A			
levels of employment and reduce long-term unemployment.	Comments: The construction of the housing has the potential to generate some employment opportunities in the construction sector and the proposals would also potentially br additional working age people to the area. Nevertheless, given the relatively low potential capacity of the site, it is envisaged that the proposals would not have a significant impact on this objective.								
Sustainability Summary	· · · · · · · · · · · · · · · · · · ·		·						

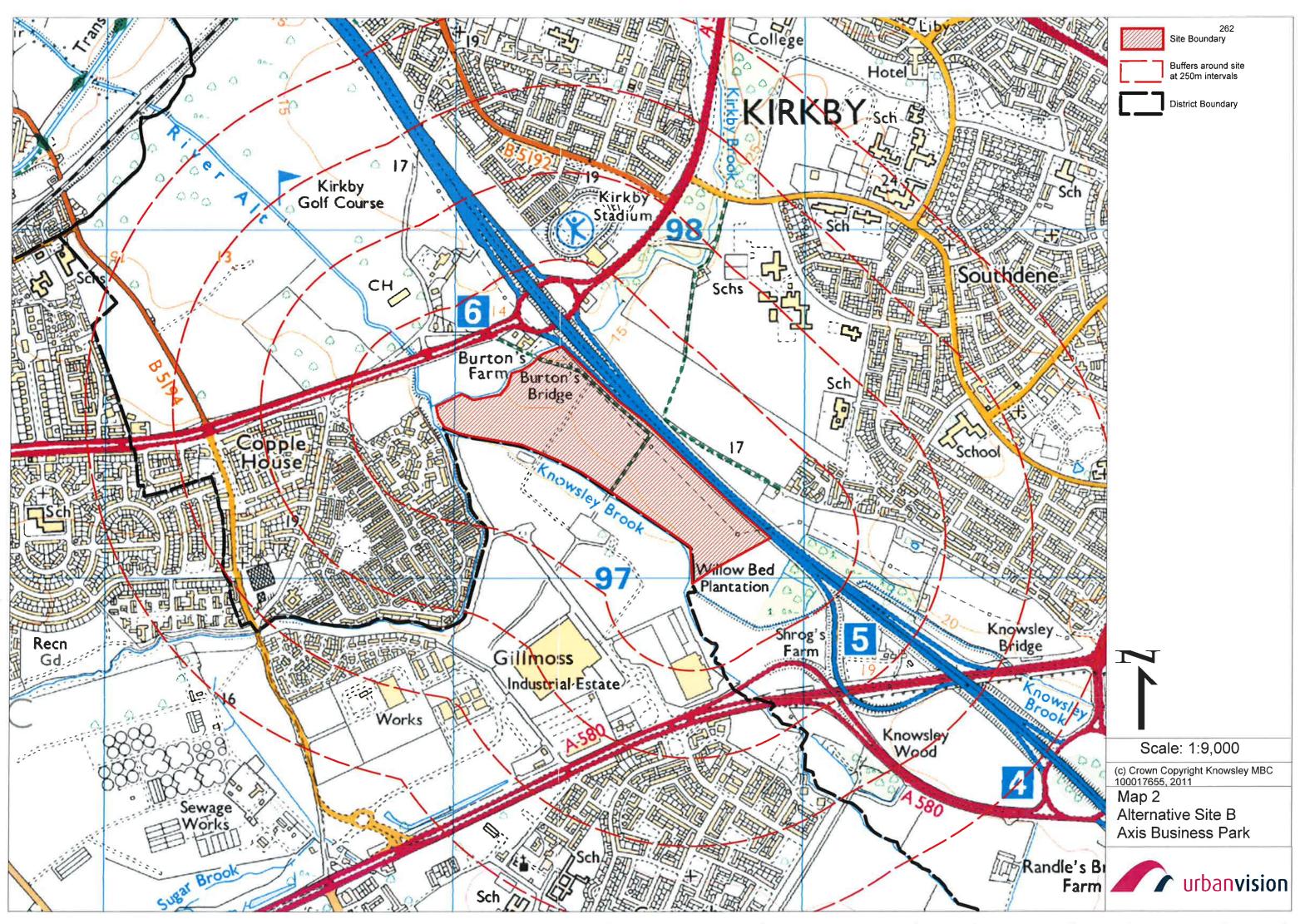
		Timescal	9			Nature of Eff	ect		
SA Objectiv	e 0 – yea		10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
The potential development of the Land to the north of Cronton Village would have a relatively mixed impact on the sustainability objectives. The potential development in this location would lead to the rovision of new housing in the village and would thereby have the potential to make a positive contribution to the objective of providing good quality, affordable housing and its sub-objective of providing a vider choice of accommodation to create a greater tenure mix. However, given the relatively limited capacity of the location, it is considered that the potential development in this location is unlikely to have ny significant impact on the objectives relating to reducing poverty and social deprivation; improving educational attainment, training and opportunities for lifelong learning; and maintaining high and stable evels of employment and reducing long-term unemployment.									
e loss of this greenfie apting to climate char velopment in this loca npletely mitigate the	Id site, including the ige; conserving and ation would inevitabl impact of developm	recreation grou enhancing gree y result in the l ent in this locat	nd on Hall Pa n infrastructur oss of a gree ion on the ob	ark Lane, would m e; and protecting enfield site which pjective relating to	nean that the p land and soil comprises lar p protecting la	potential developmer quality. The impact o gely of Grade 2 Bes nd and soil quality a	It is also likely to have a negative in on some of these objectives would b and Most Versatile agricultural lan nd its sub-objective of directing new gated if replacement open space pro-	e difficult to mitigate wholly. In partiend. As such, it would not be possibly housing to previously developed	
velopment in this loca evenient walking dista	tion is likely to have nce of the site, toge	some negative i her with the dis	npact on the ance of the lo	objective of reduc ocation from Know	ing the need to sley's town ce	o travel and improvin entres, means that the	lic transport provision in the area me g the use of sustainable transport mo e potential development would also h s. Delivering enhancements to publ	odes. This limited range of facilities w nave an uncertain impact on objectiv	

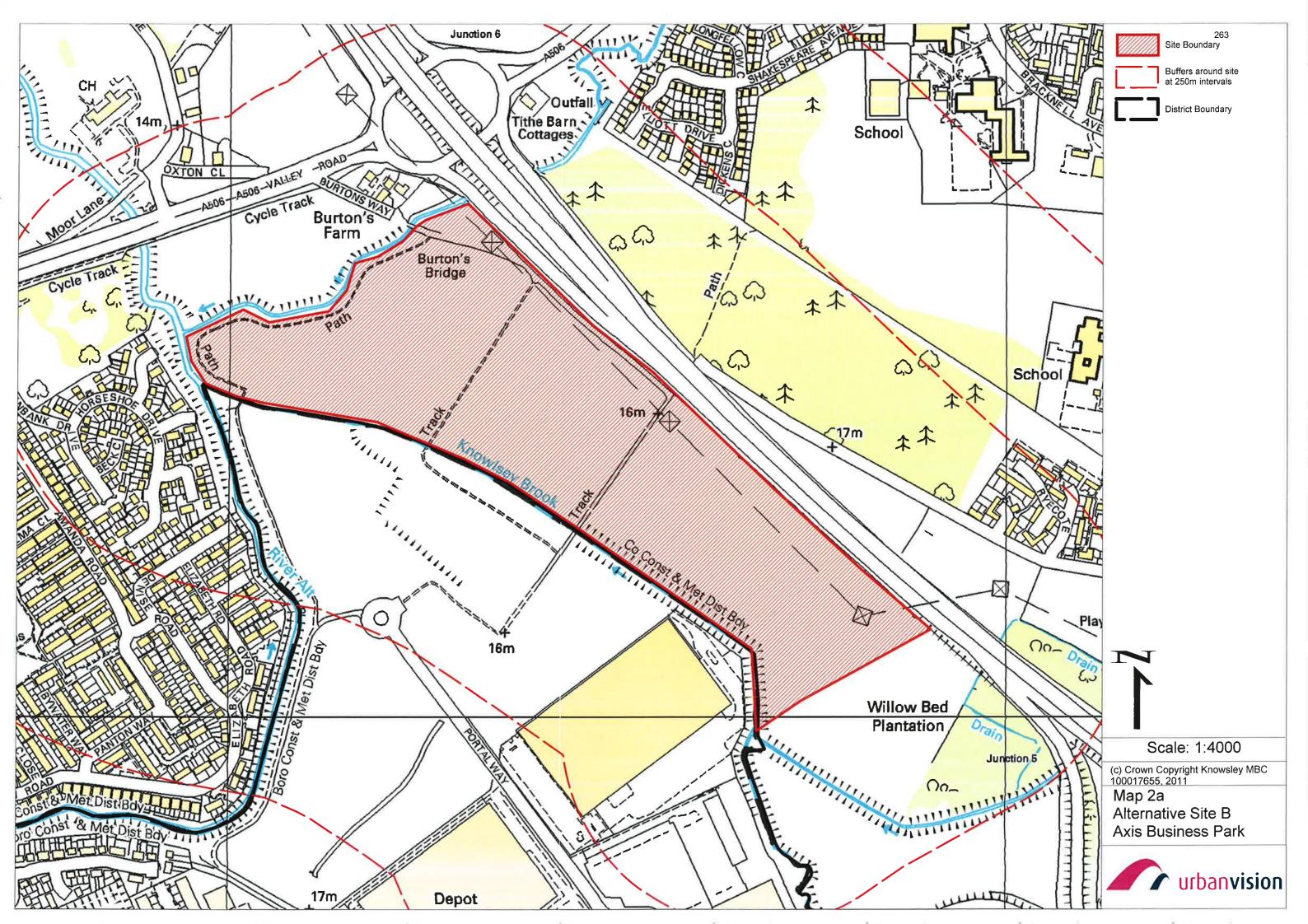
## Appendix 10

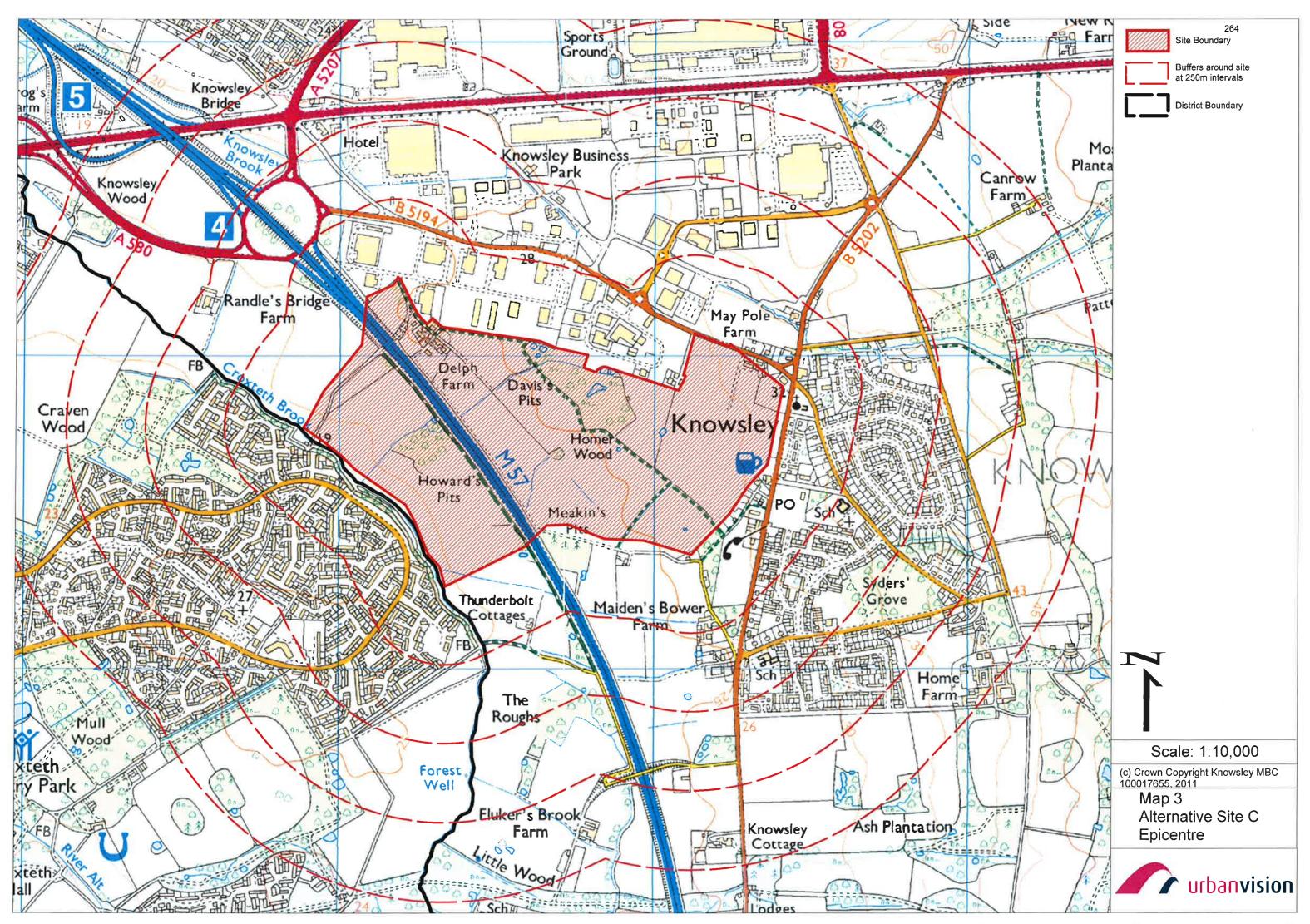
Alternative Locations Maps

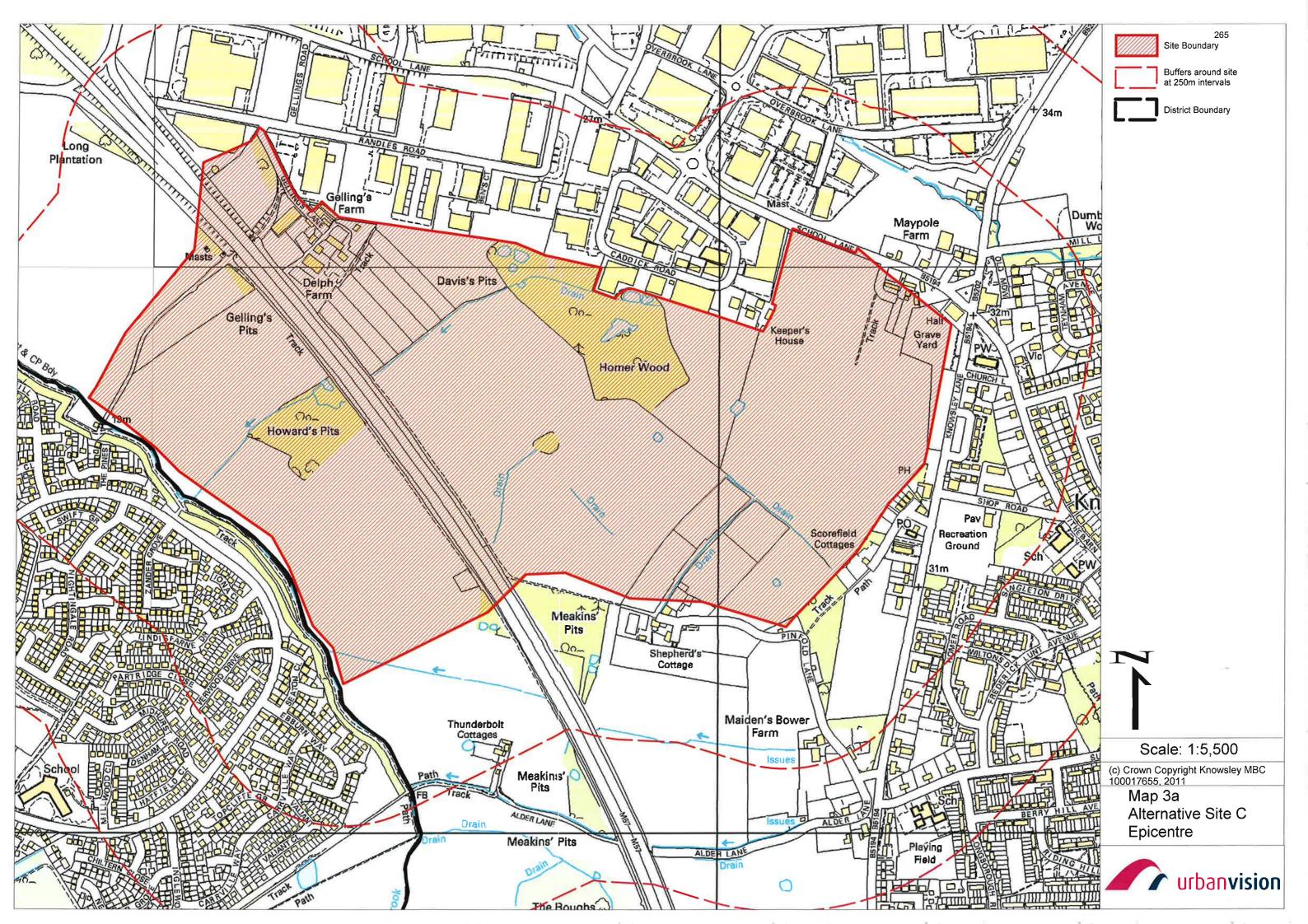


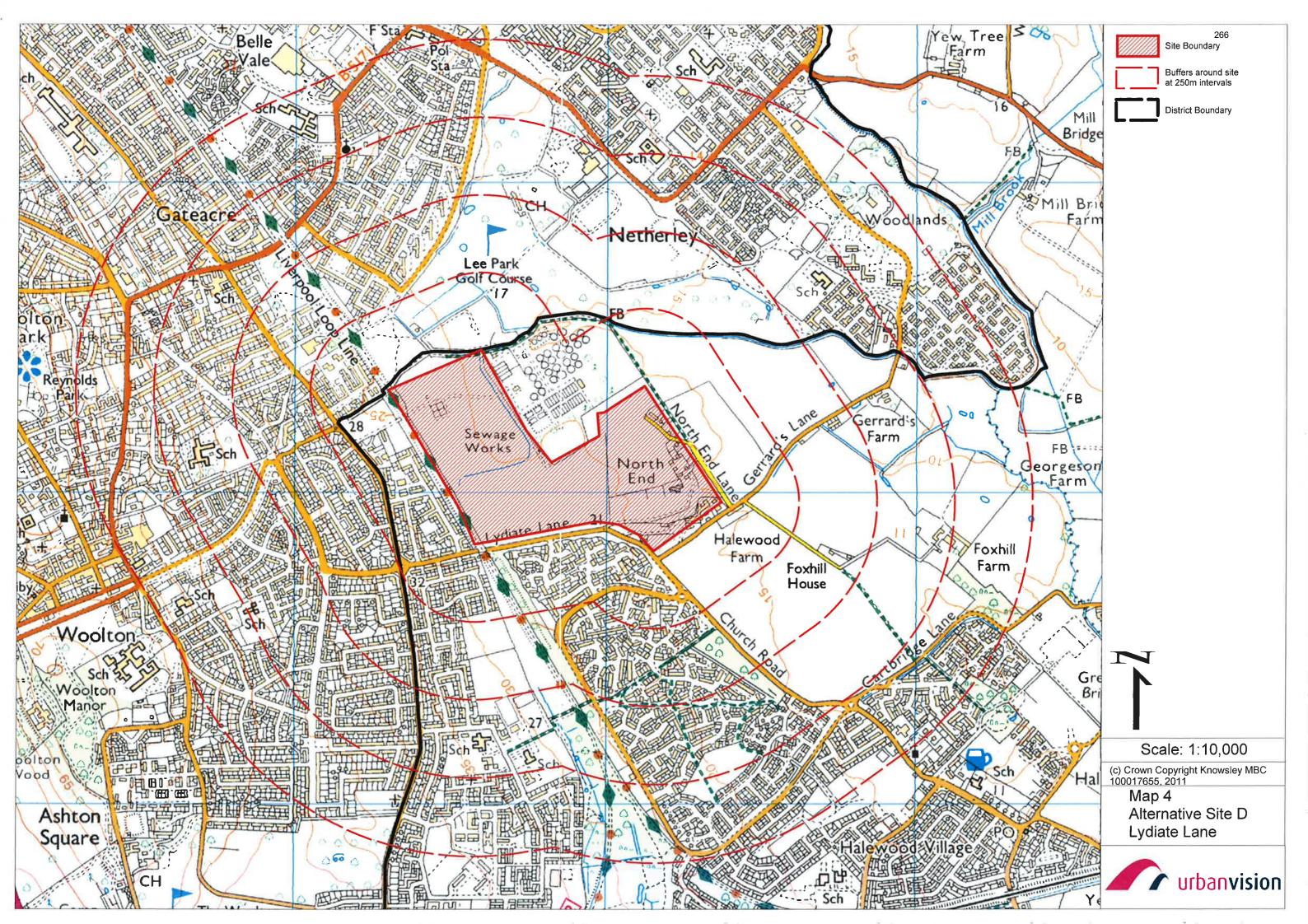


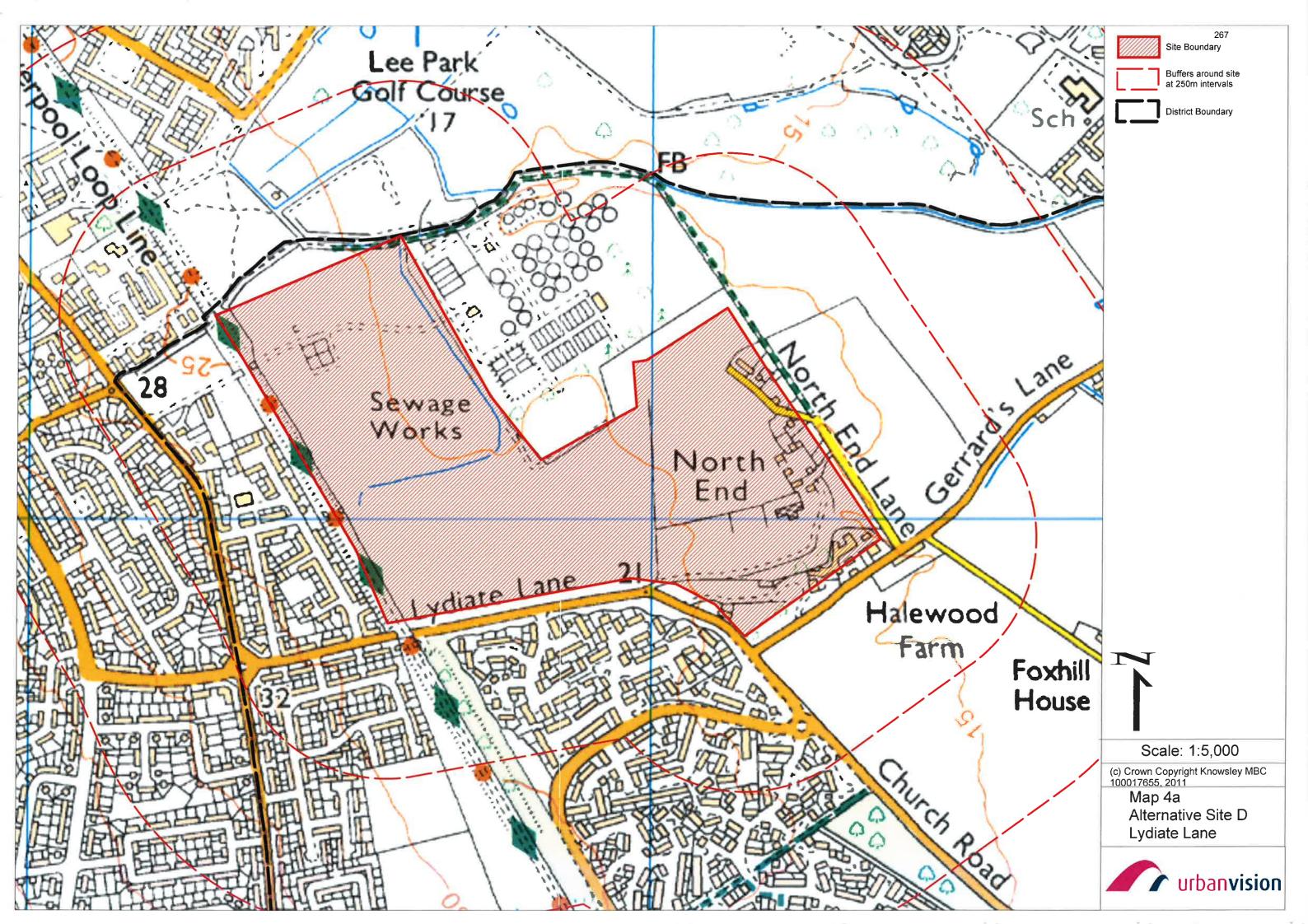












## Appendix 11

## Sustainability Appraisal of Alternative Locations

Alternative A - Shrogs Fai	rm, East	Lancashi	ire Road					
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social								
S1. To reduce poverty and social deprivation and secure economic inclusion.	+	+	+	Medium	Local	Long term	Cumulative impact with other development on levels of deprivation and perceptions of the area.	
	The site is below the activity rate accessible activity. It i	in relatively Borough ave es below the from areas of s however re vel of certain	close proxim rage. It is als Liverpool av of deprivation ecognised the	ity to South Kirkb so well-related to verage. It is theref n and could there at physical proxim	y which was id areas within Liv ore considered by contribute p atty to employm ave a positive in	entified in the Counc verpool district such that the proposals o ositively to achieven vent areas is not the	hereby make a contribution to the object cil's Core Evidence Base document (200 as Norris Green which, according to NC could result in the provision of employme nent of the objective and the sub-objecti sole factor that influences economic inc ive and the sub-objective of improving th	07) as having economic activity rates 0MIS (2012) figures, have economic ent opportunities in a location that is ve of improving rates of economic lusion and, as a result, there is only a
S2. To improve local accessibility of goods, services and amenities and reduce community severance.		le that any s					evelopment and serve the needs of the ctive of improving community facilities.	on-site workers. Consequently, the
S3. To improve safety and reduce crime, disorder and fear of crime.	0 Comments	0	0	Medium	N/A	N/A	at all new development is designed in a	way that reduces opportunities for
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.		have any sig	0 gnificant effe		N/A	N/A		
S5. To improve health and	0	0	0	Medium	N/A	N/A		

Alternative A - Shrogs Far	m, East	Lancashi	re Road								
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation			
	years	years	years				synergistic				
reduce health inequalities.	Comments										
	Unlikely to	have any sig	nificant effe								
S6. To provide good quality,	0	0	0	High	N/A	N/A					
affordable and resource efficient	-	Comments:									
housing.	The propo	sals for Shro	gs Farm do r	not include a hous	ing element an	d are therefore unlik	kely to have any significant effects on th	is objective.			
S7. To improve educational	+	+	+	Low	Local	Long term	Improved quality of life and reduced				
attainment, training and							levels of deprivation and social				
opportunities for lifelong	-						exclusion.				
learning and employability.	Comments										
		New jobs and training opportunities could be created during the construction and operation of the development. The proposals are therefore likely to have some									
		positive impact on this objective. Nevertheless, given the relatively small scale of the proposals, there is only a limited level of certainty that this impact would be									
CO. To any contract on the	significant	T		1	Lasal	1	I				
S8. To preserve, enhance and manage Knowsley's rich	-	-	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field			
diversity of cultural, historic and								evaluation of the archaeological site			
archaeological buildings, areas,								to establish the significance of this			
sites and features.								asset and, if appropriate,			
								recommended measures to			
								preserve or enhance it.			
	Comments	s.									
			ation Area ar	nd a number of lis	ted buildings a	re situated to the no	orth east of the site. Nevertheless, the sit	e is separated from these heritage			
							the proposals are unlikely to significantly				
							y sandstone and brick outbuildings which				
							on this objective if they resulted in the lo				
						ormation available of		· · · · · · · · · · · · · · · · · · ·			
Environment	<u> </u>										
E1. To protect, enhance and	-	-	-	Medium	N/A	N/A					

Alternative A - Shrogs Fai	r <mark>m, East</mark> I	Lancashi	ire Road					
		Timescale	<b>;</b>			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
manage the local character and accessibility of the landscape and countryside across Knowsley.	The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) notes that the site is part of an essential gap between Kirkby and Liverpool. Whilst it is recognised that the perception of any gap between Liverpool and Kirkby in the vicinity of the site is influenced to a significant extent by the presence of the M57 motorway, the Knowsley and Sefton Green Belt Study – Draft Knowsley Report concludes that development within this location will significantly reduce this already narrow gap between Kirkby and Croxteth/Gilmoss. The Landscape Character Assessment (2006) defines the area as falling within Urban Fringe Farmland and specifically as being within the Knowsley Village/M57 Corridor. It describes this area as being dissected by the M57 motorway and notes that the urban settlements that border the area are visible from all parts, and therefore have a major influence on the character of the area. The site itself is entirely enclosed by major roads and it is noted that there is no public access to the site. Nevertheless, due to the potential impact of the proposals on reducing the already narrow gap between Kirkby and Croxteth/Gilmoss, it is considered that the proposals have the potential to have some negative impact on the objective.							
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	and LGS b site does h woodland v the objectiv	Local Wildlife by the M57 m nowever fall v which are a f ve unless ap	otorway and vithin the Riv Priority Habit propriate mit	l, as such, it is env ver Alt, Kirkby Bro at. The proposals igation measures	visaged that the ok, Knowsley E therefore have are implement	e proposals for Shro Brook, Croxteth Broo e the potential to res ed. It is however ac	ast and north of the site. Nevertheless, t ogs Farm are unlikely to have a significant ok and Croxteth Park Corridor. The site ult in the loss of Priority Habitat and, as knowledged that in the absence of detait certainty about their impact on this obje	nt impact on these assets. The entire also contains small patches of a result, have a negative impact on led ecological surveys to establish the

Alternative A - Shrogs Fa	rm, East I	Lancashi	ire Road					
		Timescale	•			fect		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E3. To adapt to climate change including flood risk.	proposals	gic Flood Ris	esult in the lo				od Zone 2. This risk of flooding will be e de habitat for species and help mitigate	higher summer temperatures
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	?	?	?	Low	Local	Long terms	Secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.

Alternative A - Shrogs Fa	rm, East I	Lancashi	ire Road					
		Timescale	•			Nature of Eff	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Comments:           The construction and operation of this development would inevitably result in some carbon emissions. It is however recognised that other policies in the Core are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for reand low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is therefore unlikely to deliver a reduction i emissions beyond those required by Local Plan policies.           It is recognised that the proposals have the potential to generate a significant amount of traffic both during the construction and operation of the development site is in close proximity to a cycle route and the southern part of the site is adjacent to a high frequency bus service along the A580 East Lancashire Road. Nevertheless, the proximity of the site to the A580 and the motorway network reduces the level of certainty that the development would result in sustainable p of travel and it is also considered that the surrounding highway infrastructure may discourage walking and cycling as an alternative to motorised forms of trans of travel and it is also considered that the surrounding highway infrastructure may discourage walking and cycling as an alternative to motorised forms of trans objective.							
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy should secure the provision of appropriate on-site open space and retain areas of woodland.
E6. To protect, manage and restore land and soil quality.	within the N Preferred 0	sals would re M57 Green E Options repo that the pro	Belt Corridor rt and the pro	'Strategic Green I oposal could pote	Link' which wa ntially have an	s identified as one o impact on this asse	t upon sections of Priority Habitat within f the Borough's important strategic gree t which is already compromised by high tive and the sub-objective of improving	enspace linkages in the Core Strategy way infrastructure. It is therefore

Alternative A - Shrogs Fai	rm, East	Lancashi	ire Road									
		Timescale	•			Nature of Ef	fect					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
	Comments: The proposals would result in the loss of a predominantly greenfield site. It is also noted that the majority of the site is classified as Grade 2 Best and Most Versatile agricultural land. It is therefore considered that the proposals have the potential to have a significant negative impact on this objective.											
E7. To protect, improve and	0	0	0	Medium	N/A	N/A						
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	<u>s:</u> have any siç	gnificant effe	cts.								
E8. To protect, and where necessary, improve local air quality.	0	0	0	Low	N/A	N/A	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.				
	the constru- can have a of the site network re	not within ar uction and op a positive infl is adjacent to duces the le	peration of th uence on air o a high frequered of certain	e development. quality by removi uency bus service	The proposals a ing pollutants fr along the A58 pment would re	also have the poten om the atmosphere 0 East Lancashire F esult in sustainable	tial to result in the loss of an area of wo . The site is however in close proximity Road. Nevertheless, the proximity of th	to a cycle route and the southern part				
E9. To use water and mineral	0	0	0	Medium	N/A	N/A						
resources prudently and efficiently.	Comments: Unlikely to have any significant effects.											
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	-	-	-	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.				

Alternative A - Shrogs Far	m, East I	Lancashi	ire Road								
		Timescale	<b>;</b>			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
E11. To minimise the production	Neverthele of travel ar remote from It is therefo	The site is in close proximity to a cycle route and the southern part of the site is adjacent to a high frequency bus service along the A580 East Lancashire Road. Nevertheless, the proximity of the site to the A580 and the motorway network reduces the level of certainty that the development would result in sustainable patter of travel and it is also considered that the surrounding highway infrastructure may discourage walking and cycling to the site. It is also noted that the site is relative remote from services and facilities and, as a result, users of the development are unlikely to be within convenient walking distance of goods, services and amenities it is therefore considered that the proposals have the potential to have a moderate adverse impact on this objective.000MediumN/AN/A									
of waste and increase reuse,	Comments	•	0	wedium	IN/A	N/A					
recycling and recovery rates.		<u>.</u> have any sig	nificant effe	cts.							
Economic											
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	motorway i network, m where ther envisaged	adjacent to t network. The ay potentiall e are curren that the prop	e proposals on y be suitable t and emerging posals are or	could result in the e for transport and ing strengths or as	provision of hig I communicatio spirations to de a minor positive	h quality employme n uses which are ide velop. However, giv	Contribution to overall pool of jobs in the Borough. The site is remote from established employment locations in the Borough and it could therefore have some negative secondary impacts on the Council's aspirations for the regeneration of Knowsley Industrial Park. There is however only limited certainty about this impact due to the relatively small scale of the proposals pol Vision and it occupies a highly access ent premises for new businesses and, given tified by the Council's Economic Regent ren the small scale of the site relative to occupies and the sub-objectives of increasing	en its proximity to the motorway neration Strategy (2012) as sectors other employment locations, it is			

			re Road							
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
EC2. To enhance the vitality and viability of town and local centres.	0	0	0	Medium	Local	Long term	Secondary impacts on perceptions of the area.	The NPPF and emerging Local Plan policies should ensure that any proposals for B1 office use are subject to sequential testing and also ensure that any on-site facilities provided are ancillary.		
	Comments: Given the scale of the proposals, it is considered that they are unlikely to generate significant additional expenditure that would have a positive impact on the vitality and viability of Knowsley's town centre. It is also considered that any services and facilities provided on-site are likely to be ancillary to the development and should not therefore have a detrimental impact on the vitality and viability of the other centres within the Borough, particularly the nearby Kirkby town centre. It is however unclear whether the employment uses that would be directed to the site would include B1 office development. If B1 office development is provided in this out of centre location it would have the potential to have a detrimental impact on the vitality and viability of Knowsley's town centres. It is however recognised that opportunities and potential for significant new office development in Knowsley's town centres may be limited and, although no evidence is provided to demonstrate that offices could not be directed to a town centre location, it is recognised that national planning policy and policies within the emerging Local Plan should prevent out of centre office development that would have an unacceptable impact on the vitality and viability of Knowsley's town and local centres. It is therefore considered that the proposals are unlikely to have a significant impact on this objective.									
EC3. Maintain high and stable levels of employment and reduce	+	+	+	Medium	Local	Long term	Secondary impacts on deprivation and quality of life.			
long-term unemployment.	employment term unem The site is below the I Strategy P Liverpool a	als could pro- nt opportunit ployment. in relatively of Borough ave re-Submission verage. It is	ies. The prop close proximi rage. The sit on document: therefore con	oosals could there ity to South Kirkb e is also well-rela s as locations key nsidered that the	fore make a sign y which was ide ted to areas wi y housing reger proposals could	gnificant contribution entified in the Counc thin Liverpool distric neration and which, d result in the provis	businesses and thereby result in the creat n to the objective of maintaining high emp cil's Core Evidence Base document (200° et such as Norris Green which are within according to NOMIS (2012) figures, have sion of employment opportunities in a loc of reducing unemployment.	oloyment rates and reducing long- 7) as having economic activity rates areas identified by the Liverpool Core e economic activity rates below the		

	Time	escale		Nature of Effect						
SA Objective		- 10 10+ ears years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
remises in a prominent location whi trengths or aspirations to develop. I lso have a positive effect on the c earning. It is however recognised t mployment uses to this area could p hrogs Farm is however located with ne objective of adapting to climate c nrough excluding the area at greate lood Risk Assessment, applying the he potential development of Shrogs lentifies that development of Shrogs lentifies that development in this lo andscape character. Whilst develop he location forms part of the M57 C with the potential impact on small p rotecting land and soil. A range of r lowever, as the development would nitigate the impact of development ir he proximity of the location to the A and encouraging the use of sustaina otential to have a negative impact o	ch may be suitable t could thereby hat objectives relating hat the relatively potentially have solved in Flood Zone 2 at hange and its sub st risk of flooding f sequential test to s Farm would also potation could redu ment in this location Green Belt Corrido batches of woodlan neasures could ho inevitably result in n this location on the 580 and the motor ble modes of trans n the objective that gical Site there is	le for attracting se ave some positive to reducing unen limited scale of th ome negative seco as defined by the S poobjective of redu from the development to have a negative use an already na on could incorporation or 'Strategic Green and mean that dev owever be implem in the loss of a green the objective relation prway network results only a limited lev	ctors that are ident impact on the obje- uployment; reducin the potential develo- ndary impacts on the Strategic Flood Rish sing flood risk. As the ble area. Key mitig proposals and imple- impact on a numb rrow essential gap e appropriate lands Link' and comprise relopment in this le- ented to mitigate sing to protecting lands the potential impact e, enhance and mate- el of certainty about	tified by the Co ective relating to g poverty and opment would in the Council's as k Assessment. the majority of to ation measures lementing other between Kirkl scaping, it is co ses largely of G ocation could a ome of these in predominantly d and soil. in this location ct of the develo anage Knowsle it the impact or	buncil's Economic Re to business growth a social deprivation; a reduce the degree of pirations for the rege As a result, the pote the location is within s to reduce the impa r appropriate measur ectives. In particular, by and Liverpool an onsidered that it woul Grade 2 Best and Mo also have a negative mpacts, such as und o classified as Grade having the potential opment on the identifi ey's archaeological b n this objective. The	Initial development at this location could generation Strategy (2012) as sectors in and, through the resultant employment of and improving educational attainment, of impact on these objectives. In addit neration of Knowsley Industrial Park. Initial development of this location could Flood Zone 2 it is unlikely that this neg ct on this objective are therefore likely the es to reduce flood risk, such as the use the Draft Knowsley and Sefton Green d could thereby have a negative impa d be difficult to wholly mitigate the impa st Versatile agricultural land. The loss e impact on the objectives relating to ertaking ecological surveys and, if appr 2 Best and Most Versatile Agricultural I to also have a negative impact on the objective impact on the completion of an appropriate desk-bas	where there are current and emerg opportunities that would be generat training and opportunities for lifele ion, it is acknowledged that direct have a significant negative impact ative impact could be wholly mitiga to include undertaking a more detai of Sustainable Drainage Systems. Belt Study – Knowsley Report (20 ct on the objective of protecting lo ct on this objective. of this largely greenfield site, toget green infrastructure; biodiversity; a opriate, protecting areas of woodla and it would not be possible to who objective of reducing the need to tra- ion results in the proposals having nowever acknowledged that due to			

++ major positive; +

+ minor positive;

**Key for effects** 0 neutral; – minor negative;

--major negative; ? uncertain

Alternative B - Axis Busin	ess Park	(										
		Timescal	9			Nature of Ef	fect					
SA Objective	0 - 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation				
	years	years	years				synergistic					
Social												
S1. To reduce poverty and social	+	+	+	Medium	Local	Long term	Cumulative impact with other					
deprivation and secure							development on levels of deprivation					
economic inclusion.	Commonto						and perceptions of the area.					
		Comments: Employment proposals of the scale proposed in this area could provide a range of high quality employment premises for new and expanding businesses and thereb										
		sult in the creation of a range of additional employment opportunities.										
	The site is in relatively close proximity to South Kirkby which was identified in the Council's Core Evidence Base document (2007) as having economic activity rates											
	below the Borough average. The site is also well-related to areas within Liverpool district such as Norris Green which are within areas identified by the Liverpool Core											
	Strategy Pre-Submission documents as locations key housing regeneration and which, according to NOMIS (2012) figures, have economic activity rates below the Liverpool average. It is therefore considered that the proposals could result in the provision of employment opportunities in a location that is accessible from areas of											
							b-objective of improving rates of econom					
							nic inclusion and, as a result, there is on					
							ve the overall Index of Multiple Deprivation					
S2. To improve local	0	0	0	Medium	N/A	N/A						
accessibility of goods, services	Comments	<u>s:</u>					•					
and amenities and reduce							evelopment and primarily serve the need					
community severance.							y both public and private transport on the					
	-				-		on the objective or its sub-objective of im	proving community facilities.				
S3. To improve safety and	0	0	0	Medium	N/A	N/A						
reduce crime, disorder and fear of crime.	Comments		nificant offe	ota Othar policias	in the Core Ct	rotogy will oppy the th	at all now development is designed in a	way that reduces apparturities for				
or crime.	crime.	nave any si	ynnicant effe	cis. Other policies	s in the Core St	nategy will ensure th	nat all new development is designed in a	way that reduces opportunities for				
S4. To support voluntary and	0	0	0	Medium	N/A	N/A						
							1					

Alternative B - Axis Busin	ess Park	ζ.											
		Timescale	)			Nature of Ef	fect						
SA Objective	0 – 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation					
	years	years	years				synergistic						
community networks, assist	Comments	<u>S:</u>											
social inclusion and ensure	Unlikely to	nlikely to have any significant effects.											
community involvement in													
decision making.													
S5. To improve health and	0	0	0	Medium	N/A	N/A							
reduce health inequalities.	Comments												
		have any sig			1	•	1						
S6. To provide good quality,	0	0	0	High	N/A	N/A							
affordable and resource efficient		Comments:											
housing.	The propos	The proposals for Axis Business Park do not include a housing element and are therefore unlikely to have any significant effects on this objective.											
S7. To improve educational	+	+	+	Medium	Local	Long term	Improved quality of life and reduced						
attainment, training and							levels of deprivation and social						
opportunities for lifelong							exclusion.						
learning and employability.	Comments												
				could be created	during the con	struction and operat	tion of the development. The proposals a	are therefore likely to have some					
		pact on this o			N1/A	N1/A	1						
S8. To preserve, enhance and	0	0	0	Medium	N/A	N/A							
manage Knowsley's rich	Comments	S:		•		·	·						
diversity of cultural, historic and archaeological buildings, areas,			ose proximity	of any designate	ed heritage ass	ets and it is therefor	e considered that the proposals for the A	Axis Business Park are unlikely to					
sites and features.	have any s	significant imp	pact on this	objective.	-								
Environment	1												
E1. To protect, enhance and				Low	N/A	N/A							
E1. TO protect, enhance and	-	-	-	LOW	N/A	IN/A							

Alternative B - Axis Busin	ess Park									
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
manage the local character and accessibility of the landscape and countryside across Knowsley.	Comments: The Landscape Character Assessment (2006) defines the area as falling within Urban Fringe Farmland and specifically as being within the Knowsley Village/M57 Corridor. It describes this area as being dissected by the M57 motorway and notes that the urban settlements that border the area are visible from all parts, and therefore have a major influence on the character of the area. The proposals for the site would result in the expansion of the urban fringe into the landscape to the north however it is recognised that, as noted in the Landscape Character Assessment, existing built development already has a significant influence over the landscape in this area. The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) does however note that the site is part of an essential gap between Kirkby and Liverpool. Although the perception of any gap between Liverpool and Kirkby in the vicinity of the site is influenced to a significant extent by the presence of the M57 motorway and the large scale development that has already taken place at the Axis Business Park, the Knowsley and Sefton Green Belt Study – Draft Knowsley Report concludes that development within this location will significantly reduce this gap. It is therefore considered that the proposals have the potential to have some negative impact on the objective.									
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	-	-	-	Low	Local	Long term		Undertake ecological surveys. Exclude areas of priority habitat from the developable area if appropriate. Other policies of the Core Strategy should ensure that appropriate measures to mitigate the impact of the development are implemented, such as the provision of on-site habitats, the creation of a suitable buffer around the LWS and the retention of areas of woodland.		

Sustainability Appraisal of Green Belt Locations – June 2012 Page 13 of 40

Alternative B - Axis Busin							faat	
		Timescale	1		1	Nature of Ef		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	which are a of Priority I impact on	site falls with Priority Hal Habitat and c the objective	oitat and is b could also ha unless appr	ound by Knowsle ve an adverse im opriate mitigation	y Brook which pact on this ad measures are	is a designated Loca jacent LWS. As a re implemented. It is h	and Croxteth Park Corridor. The site al al Wildlife Site. The proposals therefore esult, it is considered that the proposals owever acknowledged that in the abser only be limited certainty about their impa	have the potential to result in the loss have the potential to have a negative nee of detailed ecological surveys to
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk.
	indicate that relation to groundwat groundwat	gic Flood Ris at the site fal groundwater er flooding is er flooding. sals would al	Is within an a flooding and caveated by so result in t	area that is susce I that the dataset / the acknowledge	ptible to ground used only iden ement that only tantial area of g	d water flooding. Ne tifies wider areas the / isolated locations v	lood Zone 2 or 3. The Preliminary Flood vertheless, the PFRA does recognise th at may be at risk from groundwater floo within the overall susceptible area are lii has the potential to provide habitat for s	hat there is a lack of local information ding. Accordingly, the information on kely to suffer the consequences of
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	-	-	Low	Local	Long term	Negative secondary impacts associated with climate change, such as increased flood risk	Other policies in the Core Strategy will ensure that development incorporate appropriate measures mitigate climate change.

Alternative B - Axis Busin	ess Park							
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Comments:         The construction and operation of this development would inevitably result in some carbon emissions. It is however recognised that other policies in are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Z and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is therefore unlikely to deliver a remissions beyond those required by Local Plan policies.         The proposals have the potential to generate a significant amount of traffic both during the construction and operation of the development. The prothe potential to result in the loss of an area of woodland and it is recognised that trees can have a positive influence on air quality by removing pollu atmosphere. It is noted that the southern part of the site is located in close proximity to a cycle route and also to a high frequency bus service along Lancashire Road. The site is also adjacent to a Park and Ride facility and it is acknowledged that development of the scale proposed could deliver the local public transport network. Nevertheless, the site is separated from communities to the east by the M57 motorway and it is also considered of the site to the A580 and the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel.							
E5. To provide, conserve, maintain and enhance green infrastructure.	network. In strategic gr compromis	sals would re particular, it reenspace lin ed by highw	t is noted than hages in the ay infrastruc	at the site is within e Core Strategy P ture. The proposa	the M57 Green referred Option als may also im	n Belt Corridor 'Stra is report. The propo pact upon sections	the potential to function as part of the E tegic Green Link' which was identified as sal could potentially have a significant ir of Priority Habitat within the site. It is the nproving the size and quality of the Ecol	s one of the Borough's important npact on this asset which is already refore considered that the proposals
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.

Alternative B - Axis Busin	ess Park									
		Timescale	9			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
		sals would re					s also noted that the majority of the site al to have a significant negative impact			
E7. To protect, improve and	?	?	?	Low	Local	Long term	Secondary impacts on biodiversity			
where necessary, restore the quality of inland, and estuarine waters.	River Alt ha	rn boundary as 'very high adversely a	' nitrate leve Iffect water q	ls and 'excessive	ly high' phosph	ate levels. The prop	es its north western boundary. Environm osals may result in development being pted. It is however recognised that them	directed to this location which has the e is limited certainty about the impact		
E8. To protect, and where necessary, improve local air quality.	?	?	?	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.		
	the constru frequency scale prop	not within ar uction and op bus service a osed could d e level of cer	peration of th along the A5 eliver improv	e development. If 80 East Lancashi vements to the loo	t is noted that t ire Road. The s cal public trans	he southern part of t ite is also adjacent to port network. Never	osals have the potential to generate a si the site is located in close proximity to a to a Park and Ride facility and it is also theless, the proximity of the site to the A of travel. The impact of the proposals o	cycle route and also to a high acknowledged that development of the \580 and the motorway network		
E9. To use water and mineral	0	0	0	Medium	N/A	N/A				
resources prudently and efficiently.	Comments: Unlikely to have any significant effects.									
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	-	-	-	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.		

Alternative B - Axis Busin	ess Park										
	-	Timescale	9			Nature of Ef	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
	also adjace network. N patterns of convenient objective b	The southern part of the site is located in close proximity to a cycle route and also to a high frequency bus service along the A580 East Lancashire Road. The site is also adjacent to a Park and Ride facility and it is also acknowledged that development of the scale proposed could deliver improvements to the local public transport network. Nevertheless, the proximity of the site to the A580 and the motorway network reduces the level of certainty that the development would result in sustainable patterns of travel. It is also noted that the site is relatively remote from services and facilities and, as a result, users of the development are unlikely to be within convenient walking distance of goods, services and amenities. It is therefore considered that the proposals have the potential to have a negative impact on this objective but it is acknowledged that there is only a limited degree of certainty about this impact.									
E11. To minimise the production	0	0	0	Medium	N/A	N/A					
of waste and increase reuse,	Comments	-									
recycling and recovery rates.	Unlikely to	have any si	gnificant effe	cts.							
Economic											
EC1. To improve the competitiveness and productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	+	+ +	+ +	Low	Local	Long term	Contribution to overall pool of jobs in the Borough The proposals could have some negative secondary impacts on the Council's aspirations for the regeneration of Knowsley Industrial and Business Parks.	Ensure development incorporates effective linkages areas characterised by high levels of deprivation. Secure the implementation of local training programmes.			
	Strategic Ir attract inve premises th site may po there are c a continuin network. It considered	adjacent to onvestment A stment. The nat would pro- ptentially be urrent and e g need for la is however of that the pro-	rea identified highly acces ovide accom suitable for t merging stre arge, single-u recognised th posals have	I by Liverpool Visi ssible nature of th modation for new ransport and com ngths or aspiratio user buildings par nat this Market De	on which seeks e site increases businesses an munication use ns to develop ī ticularly for logi emand Study ha ave a significar	s to build upon the a s the likelihood that id stimulate investm as which are identifie The proposers of the stic purposes and th as not been indepen at positive impact on	the proposals could result in the prov ent in the area. In addition, given its p ed by the Council's Economic Regen	liver a range of development sites and ision of high quality employment proximity to the motorway network, the eration Strategy (2012) as sectors where and Study which concludes that there is e in close proximity to the motorway the other reasons given above, it is			

Alternative B - Axis Busin	ess Park										
		Timescale	•			Nature of Eff	fect				
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation			
EC2. To enhance the vitality and viability of town and local centres.	0	0	0	Medium	Local	Long term	Secondary impacts on perceptions of the area.	The NPPF and emerging Local Plan policies should ensure that any proposals for B1 office use are subject to sequential testing and also ensure that any on-site facilities provided are ancillary.			
	Comments: The proposals would result in a significant amount of investment into the area. Given that Kirkby town centre is less than 1.5km from the site, it is considered that the creation of employment opportunities in close proximity to this area may increase expenditure in the centre and have some positive impact on its vitality and viability of Kirkby town centre. It is considered that any services and facilities provided on-site are likely to be ancillary to the development and should not therefore have a detrimental impact on the vitality and viability of the other centres within the Borough, particularly the nearby Kirkby town centre.										
	centre loca opportunition that offices of centre of	It is unclear whether the employment uses that would be directed to the site would include B1 office development. If B1 office development is provided in this out of centre location it would have the potential to have a detrimental impact on the vitality and viability of Knowsley's town centres. It is however recognised that opportunities and potential for significant new office development in Knowsley's town centres may be limited and, although no evidence is provided to demonstrate that offices could not be directed to a town centre location, it is recognised that national planning policy and policies within the emerging Local Plan should prevent ou of centre office development that would have an unacceptable impact on the vitality and viability of Knowsley's town and local centres. It is therefore considered that the proposals are unlikely to have a significant impact on this objective.									
EC3. Maintain high and stable levels of employment and reduce	+	+ +	+ +	Medium	Local	Long term	Secondary impacts on deprivation and quality of life.				

SA Objective		Timescale				Nature of Effect				
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
ong-term unemployment.	result in the high emplo The site is below the E Submission average. It deprivation The degree	nt proposals e creation of yment rates in relatively of Borough ave n document a is therefore and thereby e of certainty	a range of a and reducing close proxim rage. It is als as locations f considered t contribute p that the prop	dditional employn g long-term unem ity to South Kirkb io well-related to for key housing re hat the proposals positively to both t posals would have	nent opportunit ployment. y which was id areas within Liv generation an could result in he objective ar e a positive im	ties. The proposals co entified in the Counci verpool district such a d which, according to the provision of emp nd its sub-objective of pact on this objective	Juality employment premises for new ar buld therefore make a significant contrib as Norris Green which are identified by NOMIS (2012) figures, have economic NOMIS (2012) figures, have economic loyment opportunities in a location that f reducing unemployment. is however reduced by the fact that it is ial and Business Parks.	7) as having economic activity rates the Liverpool Core Strategy Pre- activity rates below the Liverpool is accessible from areas of		

Alternative B - Axis Business Park								
	-	Timescale	•					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
The development of this location would have the potential to have a positive impact on a number of objectives, especially those relating to economic issues. In particular, it could result in the provision of a range of employment premises in a prominent location which would appear to be suitable for attracting sectors that are identified by the Council's Economic Regeneration Strategy (2012) as sectors where there are current and emerging strengths or aspirations to develop. The potential development could thereby have a significant positive impact on the objective relating to business growth and, through the resultant employment poportunities that would be generated, also have a major positive effect on the objective relating to reducing unemployment; and social deprivation; and improving educational attainment, training and opportunities for lifelong learning. It is however recognised that directing employment uses to this area could potentially have some negative secondary impact on the Council's aspirations for the regeneration of Knowsley Industrial and Business Parks. There are also a number of objectives that the potential development could have a negative impact on. In particular, the Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) identifies that development in this location could reduce an already narrow essential gap between Kirkby and Liverpool and the proposals could thereby have a negative impact on the objective of protecting local landscape character. The provision appropriate landscaping and on-site open space provision may mitigate some of this impact on the local landscape character. However, in light of the conclusions of the Knowsley Green Belt Study it is unlikely that the impact on the objective could be wholly mitigated. The loss of this greenfield site, which forms part of the M57 Green Belt Corridor 'Strategic Green Link', together with the potential impact on she possible to mitagate the impact on other objectives, for example development in this location would ine								

		Key fo	r effects		
++ major positive;	+ minor positive;	0 neutral;	<ul> <li>minor negative;</li> </ul>	– – major negative;	? uncertain

Alternative C - Epicentre, Land adjacent to M57									
	Timescale								
SA Objective	0 – 5	5 – 10	10+	Certainty	Scale	Permanence	Secondary, cumulative,	Mitigation	
	years	years	years				synergistic		
Social									
S1. To reduce poverty and social	+	+	+	Medium	Local	Long term			
deprivation and secure	Comments:								
economic inclusion.	The proposals are likely to generate a range of employment opportunities through the provision of sports facilities, a care home, hotel and outdoor education centre.								
		Employment opportunities would also be created during the construction of the development. It is therefore considered that the proposals could support the objective							
	of securing	of securing economic inclusion and, as a consequence, also help address poverty and social deprivation.							
S2. To improve local	+	+	+	Low	Local	Long term			
accessibility of goods, services	Comments:								
and amenities and reduce	The proposals would result in the provision of housing in a location that is immediately adjacent to Knowsley Lane which provides a bus service to Kirkby, Prescot								
community severance.	and St Helens. There are also a range of local facilities and amenities within Knowsley Village including primary schools, a GP and health centre 250m east of the								
							a parade of shops on Sugar Lane. The		
							es by a choice of means of transport and		
							a positive impact on the objective of im		
							village facilities but limited detail is provi		
							also recognised that the site is not with		
	•		1		/	· · · ·	roposals would have a positive impact o	n this objective.	
S3. To improve safety and	0	0	0	Medium	N/A	N/A			
reduce crime, disorder and fear		<u>Comments:</u>							
of crime.		have any sig	gnificant effe	cts. Other policies	s in the Core St	rategy will ensure the	nat all new development is designed in a	way that reduces opportunities for	
	crime.								
		-	-				1		
S4. To support voluntary and	0	0	0	Medium	N/A	N/A			
community networks, assist	Comments:								
social inclusion and ensure	Unlikely to have any significant effects.								
community involvement in									
decision making.									
S5. To improve health and	+	+	+	Low	More than	Long term	Secondary impacts on quality of life		
reduce health inequalities.					local				

Alternative C - Epicentre,	Land adj	acent to	M57					
		Timescale	•			Nature of Eff	iect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	the Modern noted that that the pre-	sals would re Pentathlon the proposal	. The propos s may result orting facilitie	als could thereby in the loss of righ	encourage par ts of way that of sarily guarante	ticipation in sport ar cross the site which a participation in su	uding a national facility for polo, other end, as a result have a positive impact on could reduce opportunities for informal r ch pursuits. It is therefore considered th	health and well-being. It is however ecreation. In addition, it is recognised
S6. To provide good quality, affordable and resource efficient housing.	+	+	+	Low	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.
	offer the po	sals would re otential to co	ntribute posi	tively to the objec	tive. It is howe		n for elderly and dementia care. It is the d information is provided about the amou the objective.	
S7. To improve educational attainment, training and opportunities for lifelong	+	+	+	Medium	Local	Long term	Improved quality of life and reduced levels of deprivation and social exclusion.	
learning and employability.	<u>Comments:</u> The proposals would support the objective of improving training and opportunities for lifelong learning through the Epicentre and associated outdoor education cent The proposals may also provide access to training opportunities during the construction phase of the development.							
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.				Medium	Local	Long term	Secondary impacts on the image of the area and sense of place.	Undertake an assessment of the proposals on these heritage assets and, if appropriate, incorporate measures to protect their setting and significance.

Alternative C - Epicentre,	Land adj	acent to	M57					
		Timescale	;			Nature of Eff	ect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Comments: The east of the site is bound by Knowsley Village Conservation Area. The Conservation Area contains a number of listed buildings and the conservation are appraisal for Knowsley Village states that the area is located within a rural setting characterised by wide open spaces and coppices of trees. The proposals that much of the proposed built development would be directed to the east of the site and would therefore occupy the open space presently adjacent to the boundary of the conservation area. As a result, it is considered that they have the potential to have a detrimental on the character and significance of these assets. The site contains Gelling's Farmhouse which is a grade II listed building. It is also known to contain features of archaeological interest and there are thirteen Archaeological Sites within 100m of the boundary of the site. It is therefore considered that the proposals also have the potential to have a detrimer on the significance of archaeological sites and features and thereby have a negative impact on the objective. It is however acknowledged that there can onl level of certainty about this impact due to the limited information available on these Archaeological Sites.							
Environment								
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across	-	-	-	Low	Local	Long term		Seek to secure appropriate landscaping to moderate the impact of the proposals on the local landscape character
Knowsley.	Comments:         The Draft Knowsley and Sefton Green Belt Study – Knowsley Report (2011) identifies the site as being within an essential gap between Knowsley Village and settlements within the district of Liverpool.         The Landscape Character Assessment (2006) defines the area as falling within Urban Fringe Farmland and specifically as being within the Knowsley Village/MS Corridor. It describes this area as being dissected by the M57 motorway and notes that the urban settlements that border the area are visible from all parts, and therefore have a major influence on the character of the area. Notwithstanding this general character of the landscape, the site contains areas of open fields that provide a semi-rural appearance. Whilst it is acknowledged that many of the uses proposed would preserve the open character of the area, it is also recognised the built development would potentially result in the loss of areas that contribute positively to the landscape character of the local area. It is also noted that there public rights of way which cross the site and it is unclear whether these would be affected by the proposals. As a result, it is considered that the proposals for th would have the potential to have a moderate negative impact on both the character and accessibility of the landscape and countryside.							g within the Knowsley Village/M57 rea are visible from all parts, and contains areas of open fields that of the area, it is also recognised that al area. It is also noted that there are nsidered that the proposals for the site

Alternative C - Epicentre,		Timescale				Nature of Eff		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E2. To protect, enhance and manage biodiversity, the viability of protected and endangered species, habitats, geodiversity and sites of geological importance.	grassland intensive re potential to	site falls with which are a f ecreational u have a nega	Priority Habit se of parts c ative impact	tat and contains/a of the site, could p on the objective.	djoins the How otentially place It is however a	ard's Pits Local Wild additional pressure cknowledged that in	and Croxteth Park Corridor. The site als llife Site (LWS) and Meakins Pits LWS. on these LWSs. As a result, it is consic the absence of detailed ecological surv ir impact on this objective.	The proposals, particularly the more lered that the proposals have the
E3. To adapt to climate change including flood risk.	-	-	-	Medium	Local	Long term		Undertake more detailed Flood Ris Assessment.
								Other policies in the Core Strategy should ensure that appropriate measures are taken to mitigate flo risk, such as the use of SuDS.

Alternative C - Epicentre,	Land adj	acent to	M57							
		Timescale	•			Nature of Eff	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	Comments: The Strategic Flood Risk Assessment (2009) does not identify the site as falling within either Flood Zone 2 or 3. The Preliminary Flood Risk Assessment (PFRA) (2011) does however indicate that the site falls within an area that is susceptible to ground water flooding. Nevertheless, the PFRA does recognise that there is a lad of local information in relation to groundwater flooding and that the dataset used only identifies wider areas that may be at risk from groundwater flooding. Accordingly, the information on groundwater flooding is caveated by the acknowledgement that only isolated locations within the overall susceptible area are likely to suffer the consequences of groundwater flooding. Whilst the majority of the site would not be developed, the proposals would result in the loss of an area of greenfield land that has the potential to provide habitat for species and help mitigate higher summer temperatures associated with climate change.									
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from	-	-	-	Low	Local	Long term	Secondary impacts associated with climate change	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.		
renewable sources.	The constru- contribution implemente objective a energy effic Energy Caj as a potent Local Plan The easter amenities v side of Kno served by p particularly	Comments:         The construction and operation of this development would inevitably result in some carbon emissions and could also result in the loss of trees which can make a contribution to mitigating climate change through absorbing carbon dioxide. Consequently, although it is acknowledged that mitigation measures could be implemented to retain on-site trees or secure adequate replacement planting, it is considered that the proposals have the potential to have a negative impact on the objective and its sub-objective. It is recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) as a potential location for implementing district heating. The proposals are therefore unlikely to deliver a reduction in carbon emissions beyond those required by Local Plan policies.         The eastern part of the site adjoins Knowsley Lane which provides a bus service to Kirkby, Prescot and St Helens. There are also a range of local facilities and amenities within Knowsley Village including primary schools, a GP and health centre 250m east of the site, a recreation ground and a village shop on the opposite side of Knowsley Lane and a parade of shops on Sugar Lane. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. Nevertheless, the nature of some of the other facilities being provided, particularly the desire to create regional sport and recreation uses, coupled with the site's proximity to the motorway network								

Alternative C - Epicentre,	Land adj	acent to	M57					
		Timescale	9			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E5. To provide, conserve, maintain and enhance green infrastructure.	areas of g	s acknowledg	d and could a	also result in existi	ng public right		reas of greenspace on the site, the pro ted by the development. It is therefore	Secure the provision of appropriate on-site open space and green corridors through the site. Seek to retain public rights of way.
	potential to	o have some	negative imp	pact on the object	ve.			
E6. To protect, manage and restore land and soil quality.	-	-	-	Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.
	number of	omprises of p	ises propose	d would preserve	areas of greer	space on the site, th	est and Most Versatile agricultural land. ne built development proposed would le ve a negative impact on the objective.	
E7. To protect, improve and	0	0	0	Medium	N/A	N/A		
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	<u>s:</u> have any się	gnificant effe	cts.				
E8. To protect, and where necessary, improve local air quality.	?	?	?	Low	Local	Long term	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses.	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy should seek to retain trees and areas of woodland.

Alternative C - Epicentre,	Land adj	acent to	M57							
		Timescale	•			Nature of Ef	fect			
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation		
	<u>Comments:</u> The eastern part of the site adjoins Knowsley Lane which provides a bus service to Kirkby, Prescot and St Helens. There are also a range of local facilities and amenities within Knowsley Village including primary schools, a GP and health centre 250m east of the site, a recreation ground and a village shop on the opposite side of Knowsley Lane and a parade of shops on Sugar Lane. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. Nevertheless, the nature of some of the other facilities being provided, particularly the desire to create regional sport and recreation uses, coupled with the site's proximity to the motorway network reduces the level of certainty that the proposals would result in sustainable patterns of travel. The proposals also have the potential to result in the loss of an area of woodland and it is recognised that trees can have a positive influence on air quality by removing pollutants from the atmosphere. Taking into account the above, it is considered that the impact of the proposals on the objective is uncertain.									
E9. To use water and mineral	0	0	0	Medium	N/A	N/A				
resources prudently and efficiently.	Comments: Unlikely to have any significant effects.									
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	? Comments	?	?	Low	Local	Long term	Secondary impacts on air quality and greenhouse gas emissions	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport. Other policies in the Core Strategy and the "Ensuring a Choice of Travel" SPD should support the aim of ensuring that new development caters for an appropriate range and choice of transport options.		
	The eastern part of the site adjoins Knowsley Lane which provides a bus service to Kirkby, Prescot and St Helens. There are also a range of local facilities and amenities within Knowsley Village including primary schools, a GP and health centre 250m east of the site, a recreation ground and a village shop on the opposite side of Knowsley Lane and a parade of shops on Sugar Lane. The proposal would therefore lead to the provision of housing in a location which is relatively well served by public transport and within walking distance of a range of community facilities. Nevertheless, the nature of some of the other facilities being provided, particularly the desire to create regional sport and recreation uses, coupled with the site's proximity to the motorway network reduces the level of certainty that the proposals would result in sustainable patterns of travel. Taking into account the above, it is considered that the impact of the proposals on the objective is uncertain.									

Alternative C - Epicentre,	Land adj	acent to	M57					
	-	Timescale	)			Nature of Ef	iect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E11. To minimise the production	0	0	0	Medium	N/A	N/A		
of waste and increase reuse, ecycling and recovery rates.	Comments Unlikely to	<u>:</u> have any sig	inificant effe	cts				
Economic								
EC1. To improve the competitiveness and	+	+	+	Medium	Local	Long term	Contribution to overall pool of jobs in the Borough	
productivity of business, exploit the growth potential of business sectors and increase the number of new businesses.	Comments The propos objective.		sult in the pr	ovision of a range	e of business p	remises. It is therefo	pre considered that the proposals could	have a positive impact on the
EC2. To enhance the vitality and viability of town and local	+	+	+	Medium	Local	Long term	Secondary impacts on perceptions of the area.	
centres.		sals have the		generate addition Knowsley Village		which could have a	positive impact on the vitality and viab	ility of Knowsley's town centres,
EC3. Maintain high and stable evels of employment and reduce	+	+	+	Medium	Local	Long term	Secondary impacts on deprivation and quality of life.	
ong-term unemployment.	<u>Comments:</u> The proposals are likely to generate a number of employment opportunities through the provision of a range of sports facilities, a care home, hotel, outo centre and commercial/industrial development in the adjacent business park. A range of employment opportunities would also be created during the co the development. It is therefore considered that the proposals have the potential to have some positive impact on the objective and its sub-objective of unemployment.							
Sustainability Summary	unempioyn	nent.						

Alternative C - Epicentre	·							
		Timescale	Î.		1	Nature of Eff		
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
other equestrian sports and a region yould also result in some positive is the provided, there is only a low level the potential development in this low expenditure in the local area. It is the felong learning; business growth; mpact on the objective of improvin the appraisal of the location did ho- poing directed to an area which a conservation area, together with the	onal centre the mpact on the c el of certainty a pocation would on herefore consider the vitality and g the local accor- wever identify puts a conserv- e presence of	Modern Pe objective of p about the deal create a num dered that the d viability of g a number of vation area a a listed build	ntathlon, has provide good of gree to which her of employ te potential de town and dis goods, service f potential neg and thereby h ding and featu	the potential to quality, affordab the potential dev yment and traini evelopment could strict centres; an es and amenities gative impacts on have a detriment ures of archaeolo	have a positive e and resource velopment woul ng opportunities d have a positiv d maintaining l n the sustainab al effect on the ogical interest v	impact on the obje efficient housing. N Id have a positive im s both during the co re impact on the obj nigh and stable leve ility objectives. In pa e character and sign within the location, h	of a range of sports facilities on the si ctive relating to health. The inclusion of levertheless, due to the limited informa pact on this objective. Instruction and operation of the develop ectives relating to poverty and social develop estives relating to poverty and social develop estives relating to poverty and social develop enticular, the potential development coul inficance of this historic asset. This po ave resulted in the appraisal concludin age. It is uncertain whether the any pot	of a housing element within the location tion available on the level of housing ment and may also stimulate addition eprivation; training and opportunities f elopment may also have some position Id result in significant built development tential impact on the Knowsley Villag g that the potential development in the
nitigated and the appraisal recogn Whilst it is acknowledged that a nu and that comprise principally of op	sed that it wou mber of the lei en fields that p	ld be import sure uses pr provide a ser	ant for an ass roposed would mi-rural appea	essment to be u d preserve areas arance. It is ther	ndertaken of th s of greenspace efore considere	e impact of the pote e on the site, it is read that the proposals	cognised that the proposals would lead have the potential to have a negative ese impacts through for example secur	sets. to the loss of some areas of greenfie impact on the objectives relating to the
	ely to have a r	negative imp	act on the ob	jective relating t	o adapting to c	limate change. A ke	Risk Assessment as being susceptible y mitigation measure to reduce the lev	
objective relating to biodiversity, p	articularly if m	neasures are	e not taken to	o mitigate their	impact such a	s the creation of a	the site mean the potential developme suitable buffer around these LWSs. I the objectives that relate to air qualit	It is also considered that the potent
 ++ m	ajor positive		minor positi	ve: 01	Key for oneutral;	effects – minor negativ	ve; – – major negative;	? uncertain

Alternative D - Land at Lye	diate Lan	е						
	-	Timescale	)			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
Social								
S1. To reduce poverty and social deprivation and secure economic inclusion.		not adjacent		investment and c	reating jobs in	the construction sec	of the area the delivery of additional dw tor.	vellings may have a positive impact on
S2. To improve local accessibility of goods, services and amenities and reduce community severance.	+       +       +       Low       Local       Long term <u>Comments:</u> The proposals would result in the provision of housing in a location that is in close proximity of a number of local facilities, including primary school, a local shop parade, a medical centre, pharmacy and day care facilities and also the shopping centre at Belle Vale. It is however recognised that the scale of the site may in that not all parts of it are within convenient walking distance of these facilities. It is also recognised that the proposals are of a scale where they may facilitate improvements to the local transport network and incorporate additional on-site facilities but there is only limited certainty about this impact at this stage. It is nonetheless considered that overall the proposal would lead to the provision of housing in a location which would provide the future occupants of the site with access to existing services and facilities by a choice of means of transport. The proposals would also make a contribution to the continued viability of these se and facilities.							
S3. To improve safety and reduce crime, disorder and fear of crime.	0 <u>Comments</u> Unlikely to crime.	-	0 gnificant effe	Medium cts. Other policies	N/A s in the Core S	N/A trategy will ensure th	nat all new development is designed in a	way that reduces opportunities for
S4. To support voluntary and community networks, assist social inclusion and ensure community involvement in decision making.	0 <u>Comments</u> Unlikely to	0 <u>:</u> have any siç	0 gnificant effe	Medium cts.	N/A	N/A		
S5. To improve health and reduce health inequalities.	0 <u>Comments</u> Unlikely to	0 <u>:</u> have any sig	0 gnificant effe	Medium cts.	N/A	N/A		

Alternative D - Land at Ly	diate Lan	е						
		Timescale	•			Nature of Ef	fect	
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
S6. To provide good quality, affordable and resource efficient housing.	+	+ +	++	Medium	Local	Long term		Other policies in the Core Strategy should ensure that new dwellings achieve high standards of design and resource efficiency.
	of providing established Borough av	substantial c g good quali I that the pro verage and t ation to crea	ty housing. T oportion of tw he highest e	he proposals cou vo- and three-bed ntry level prices ir	Id contribute to properties in H the Borough.	the housing needs lalewood is below th The proposals could	d at Lydiate Lane have the potential to h identified by the 2010 Strategic Housing the borough average and that the area ha d also have a positive effect on the sub- te may also have a positive influence the	Market Needs Assessment which as average house prices above the objective of providing a wider choice of
S7. To improve educational attainment, training and opportunities for lifelong learning and employability.	considered	cale of the p that the pro	posals are o	f a scale where th	iey may result i	n the provision of or	Improved quality of life and reduced levels of deprivation and social exclusion. ay generate some training opportunities n-site education facilities or result in imp tunities. It is however acknowledged that	
				led proposals for				
S8. To preserve, enhance and manage Knowsley's rich diversity of cultural, historic and archaeological buildings, areas, sites and features.	-	-	-	Low	Local	Long term		Undertake an appropriate desk- based assessment or field evaluation of the archaeological sites to establish the significance of these assets and, if appropriate, recommended measures to preserve or enhance them.

Alternative D - Land at Ly	diate Lan	e							
		Timescale	•						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation	
	Comments: There is a conservation area to the west of the site which is within Liverpool district. The site is however separated from this conservation area by existing housing, an elevated former railway line and a band of mature trees. It is therefore considered that the proposals are unlikely to have a significant impact on the significance of this historic asset. The site is known to contain features of archaeological interest. In particular, there are three identified Archaeological Sites within the area and a further three within 300m to the south. It is therefore considered that the proposals have the potential to have a detrimental impact on the significance of archaeological sites and features and thereby have a slight negative impact on the objective. It is however acknowledged that there can only be a low level of certainty about this impact due to the limited information available on the nature of these Archaeological Sites.								
Environment									
E1. To protect, enhance and manage the local character and accessibility of the landscape and countryside across	-	-	-	Low	Local	Long term		Seek to secure appropriate landscaping to moderate the impact of the proposals on the local landscape character	
Knowsley.	significantly developme End Lane v The Lands developme to their imp urban fring eastern set	Knowsley an y reduce this ont to the nor which could cape Charac ont is promin- pact being lin e upon this l ction of the s pative impact	s gap. It is ho th by a golf o potentially er eter Assessm ent at the frir nited by a lac andscape. It site already a	wever noted that course. The site is nsure that any bui nent (2006) identif nges of this area, ck of elevation and is however noted ffect the local cha	the site is separated as also bound to also bound to the development the Landscape d tree cover. The that the prese aracter of the la	arated from residenti the north by a waste is well contained. falling within a broad Character Assessm he proposals would e nce of the waste was ndscape. The site do	the site is part of an essential gap and t al development to the west by a raised e water treatment works, to the south by I river valley landscape on the Urban Fri ent considers that these fringes do not expand the urban fringe of Halewood an ter treatment works at the north of the s oes however contain some areas of woo impact of the proposals would have son	former railway line and from built y Lydiate Lane and to the east by North inge Farmland Plain. Whilst urban presently have a major influence due id may increase the influence of the ite and existing buildings in the podland and the loss of these could	

SA Objective	-	Timescale	•					
	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
	Priority Hall the absence	areas of woo bitat and, as e of detailed	a result, hav l ecological s	e a negative impa surveys to establis	act on the obje sh the potential	ctive unless appropria impact of the propos		
E3. To adapt to climate change including flood risk.	- Comments The Strate that the site replaced w	<u>;</u> gic Flood Ris e is not withi ith built deve	- sk Assessme n an area tha elopment and	Medium Int does not identi at is susceptible to	Local fy the site as fa ground water rfaces which m	Long term alling within either Flo flooding. The propos		Other policies in the Core Strategy will ensure that appropriate measures are taken to prevent new development from exacerbating flood risk.

Alternative D - Land at Ly	diate Lan	e												
		Timescale	)			Nature of Ef	fect							
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation						
E4. To mitigate climate change including using energy prudently and efficiently and increasing energy generated from renewable sources.	-	Other policies in the Core Strategy will ensure that development incorporate appropriate measures to mitigate climate change.												
	Comments:           The construction and operation of this development would inevitably result in some carbon emissions. The proposals therefore have the potential to have a negati impact on the objective and its sub-objective. It is however recognised that other policies in the Core Strategy are likely to ensure that all new development is designed in a way to maximise energy efficiency. The site is not however located within a 'Priority Zone' for renewable and low carbon energy as identified by the Liverpool City Region Renewable Energy Capacity Study (2009) and it is not in particularly close proximity to a site identified by the Knowsley Renewable and Low Carbon Energy Options study (2009) as a potential location for implementing district heating. It is therefore unlikely to deliver a reduction in carbon emissions beyo those required by Local Plan policies.           The proposals are likely to result in an increase in traffic in the immediate surrounding area but it is recognised that the southern boundary of the site is formed by Lydiate Lane which provides bus services to Halewood and Liverpool. In addition, within Liverpool district but a convenient walking distance to the east of the site, additional bus routes that serve destinations including Liverpool. Hope University and Wavertree. An off road cycle route also runs along the western boundary of site and it is recognised that the proposals are of a scale where they may facilitate improvements to the local transport network although it is acknowledged that the is limited certainty about this at this stage. The site is not within a buffer zone for a railway station but there are a range of local facilities within reasonably close proximity of the southern section of the site it is therefore envisaged that the proposals have the potential to reduce the need to travel and encourage the use of sustainable transport modes, including walking and cycling but it is recognised that giv													

Alternative D - Land at L		Timescale	•									
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation				
E5. To provide, conserve, maintain and enhance green infrastructure.	-	-	-	Medium	Local	Long term		Secure the provision of appropriate on-site open space and green corridors through the site. Other policies in the Core Strategy should seek to retain areas of woodland				
	Comments: The site is not within an area identified as Strategic Green Link in the Core Strategy Preferred Options report. The proposals would however result in the loss o substantial area of greenfield land which offers the potential to function as part of the Borough's Green Infrastructure network and may also impact upon section Priority Habitat within the site. It is therefore considered that the proposals have the potential to have a negative impact on the objective and the sub-objective of improving the size and quality of the Ecological Framework.											
E6. To protect, manage and restore land and soil quality.	-			Medium	Local	Long term		Ensure development is built to an appropriate density to minimise the need to release further greenfield sites.				
	<u>Comments:</u> The proposals would result in the loss of a substantial predominantly greenfield site. It is also noted that the majority of the site is classified as Grade 2 Best and N Versatile agricultural land and parts of the site are presently within agricultural use. It is therefore considered that the proposals have the potential to have a signific negative impact on this objective and also on the sub-objective of directing new housing to previously developed land.											
E7. To protect, improve and	0	0	0	Medium	N/A	N/A						
where necessary, restore the quality of inland, and estuarine waters.	Comments Unlikely to	<u>s:</u> have any sig	gnificant effe	cts.		· · · · · · · · · · · · · · · · · · ·						

		Timescale	<b>)</b>					
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation
E8. To protect, and where necessary, improve local air quality.	proposals atmospher services to	sals are likel; may result in e. The site is Halewood a	the loss of a not howeve not howeve	an area of woodla r within an Air Qu I. In addition, with	nd and it is rec ality Managem in Liverpool dis	ognised that trees c ent Area and the so trict but a convenier	Potential secondary impacts on health, particularly among those who suffer from respiratory illnesses. rea. In addition, unless appropriate mi an have a positive influence on air qua uthern boundary of the site is formed to nt walking distance to the east of the site e also runs along the western boundary	ality by removing pollutants from the by Lydiate Lane which provides bus te, are additional bus routes that serve
	this stage. site which is therefore	The site is n are predomine e envisaged	ot however in nantly within that the prop	within a buffer zon Liverpool district. osals have the po	he for a railway These include otential to reduce	station. Nevertheles a primary school, a ce the need to travel	etwork although it is acknowledged that ss, there are a range of local facilities v local shopping parade, a medical cent l and encourage the use of sustainable t the proposals have the potential to ha	within reasonably close proximity of th tre, pharmacy and day care facilities. a transport modes, including walking a
E9. To use water and mineral resources prudently and efficiently.	0 Comments Unlikely to	0 <u>s:</u> have any sig	0 gnificant effe	Medium	N/A	N/A		

Alternative D - Land at Lyo	diate Lan	е											
		<b>Fimescale</b>	)			Nature of Ef	fect						
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
E10. To reduce the need to travel and improve choice and use of more sustainable transport mode.	+	+	Secure improvements to the public transport network and ensure that the development is accessible by a choice of means of transport.										
	Comments: The southern boundary of the site is formed by Lydiate Lane which provides bus services to Halewood and Liverpool. In addition, within Liverpool of convenient walking distance to the east of the site, are additional bus routes that serve destinations including Liverpool. Hope University and Wave cycle route also runs along the western boundary of the site and it is recognised that the proposals are of a scale where they may facilitate improve transport network although it is acknowledged that there is limited certainty about this at this stage. The site is not however within a buffer zone for Nevertheless, there are a range of local facilities within reasonably close proximity of the site which are predominantly within Liverpool district. The primary school, a local shopping parade, a medical centre, pharmacy and day care facilities. It is therefore envisaged that the proposals have the proposal has the potential impact on the objective and its sub-objective of encouraging sustainable transport use.												
E11. To minimise the production	0	0	0	Medium	N/A	N/A							
of waste and increase reuse,	Comments	•	Ŭ	inculaiti			1						
recycling and recovery rates.			nificant effe	cts.									
Economic													
EC1. To improve the	+	+	+	Medium	Local	Long term	Contribution to overall pool of						
competitiveness and						Ŭ	jobs in the Borough						
productivity of business, exploit	Comments												
the growth potential of business								nay encourage further investment in the					
sectors and increase the number	area, susta	ining existin	g local emplo	pyment and also p	potentially bring	ing new jobs into th	e area.						
of new businesses.			1			Long term							
EC2. To enhance the vitality and viability of town and local	+	+	Secondary impacts on perceptions of the area.										

	-	Timescale	•										
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Mitigation							
centres.	<u>Comments:</u> The site is not located within particularly close proximity of the Borough's designated town centres and the Knowsley Town Centre and Shopping Study (20 established that due to the decline of the Ravenscourt centre, many Halewood residents were travelling outside the Borough to meet their shopping needs significant residential capacity of the site, the proposals have the potential to support the Ravenscourt redevelopment, which is scheduled to be completed of 2012, and also have a positive impact on the vitality and viability of the local shopping parade on Merrivale Road. It is therefore considered that the prop the potential to neighbouring centres in Liverpool district, particularly Woolton district centre and the Belle Vale Shopping Centre, given the proximity of the site area. There is therefore only a limited level of certainty about the impact of the proposals on this objective.												
EC3. Maintain high and stable levels of employment and reduce	+ + + Medium Local Long term Secondary impacts on												
long-term unemployment.	Comments: Given the scale of the proposals, the construction of the housing is likely to generate some employment opportunities in the construction sector and therefore has the potential to have some positive impact on the objective.												

Alternative D - Land at Lydiate Lane													
		Timescale											
SA Objective	0 – 5 years	5 – 10 years	10+ years	Certainty	Scale	Permanence	Secondary, cumulative, synergistic	Mitigation					
significant positive impact on the ob greater tenure mix. It could also cont	jective relati tribute to the	ng to provid housing nee	ing good qu eds identified	ality, affordable a by the 2010 Stra	nd resource ef tegic Housing	ficient housing; and Market Needs Asse	ssment which established that the prop	that they have the potential to have a choice of accommodation to create a ortion of two- and three-bed properties be of a scale where it could generate a					

number of employment and training opportunities during the construction of the development. It is therefore considered that the potential development would have some positive impact on the objectives relating to reducing poverty and social deprivation; improving training and opportunities for lifelong learning; and reducing unemployment.

The potential development would result in the provision of housing in a location which would provide the future occupants of the location with easy access to existing services and facilities by a choice of means of transport. It would also make a contribution to the continued viability of these services and facilities. It is therefore considered that it would have some positive impact on the objective relating to the accessibility of goods, services and amenities; reducing the need to travel; and enhancing the vitality and viability of town and local centres. Furthermore, the potential development could encourage further investment in the area, helping to sustain existing local employment and resulting in a positive impact on the objective that is concerned with business growth.

The appraisal of the potential development at Land at Lydiate Lane did however identify a number of possible negative impacts on the sustainability objectives. In particular, the significant area of greenfield land that would be lost as part of the proposed development, together with the potential loss of priority habitat, resulted in the location being considered to have a major negative impact on the objective relating to protecting land and soil; and some negative impact on the objectives relating to local landscape character; protecting biodiversity, species and habitats; mitigating climate change; and conserving green infrastructure.

The impact on some of these objectives would be difficult to mitigate wholly. In particular, development in this location would inevitably result in the loss of a greenfield and, as such would unavoidably impact upon the objective relating to protecting land and soil quality and its sub-objective of directing new housing to previously developed land. It may however be possible to mitigate some of the other negative impacts. For instance, given that the areas of woodland within the location are predominantly around its perimeter and as such the impact on the objective relating to biodiversity could potentially be mitigated in part through undertaking appropriate surveys and, if necessary, protecting areas of woodland.

The loss of the area of greenfield land and the potential loss of areas of woodland, coupled with the Draft Knowsley and Sefton Green Belt Study's (2011) conclusion that the development in this location would significantly reduce an essential gap between settlements means that it is considered that development in this location could also have a negative impact on the objective relating to landscape character. This impact on this objective may be difficult to mitigate wholly however potential measures to lessen the scale of impact would include securing appropriate landscaping and on-site open space provision.

Due to the quantum of development proposed, it was considered that the location also has the potential to have some negative impact on the objectives relating to mitigating climate change; and protecting air quality. The possible impact on the three identified Archaeological Sites within the location also result in the potential development having the potential to have a negative impact on the objective that seeks to preserve, enhance and manage Knowsley's archaeological buildings, areas, sites and features. It is however acknowledged that due to the limited information on these Archaeological Sites there is only a limited level of certainty about the impact on this objective.

## Appendix 12

## Summary Matrix of the Sustainability Appraisal

	1	ſ	1	T	T	1	ſ	I		1	1	Obj	ective			1			T	1	Γ	
Location	S1	S2	S3	S4	S5	S6	S7	S8	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	EC1	EC2	EC3
													<b>Location</b>	IS					-			
KGB 1	+	+	0	0	0	+	0	0	+	-	-	?	+	+	?	0	0	+	0	0	+	+
KGB 17	+	+	0	0	0	+	0	0				?	-	-	?	0	0	+	0	0	+	0
KGB 20	+	+	0	0	0	+ +	0	0	-	-		?	-	-	?	0	0	?	0	0	+	+
KGB 8	+	+	0	0	-	+ +	0	?	-	-	-	?	-	-	0	0	0	+	0	0	+ +	+
KGB 16	+	+	0	0	+	+ +	+	-	-	-		-	-	-	?	-	0	?	0	+	+	+
KGB 7	+	+	0	0	-	+ +	+	-	-	-	-	-	-		0	-	0	+	0	+ +	+ +	+ +
	Tier Two Locations																					
KGB 21	+	+	0	0	0	+ +	+	-		-	-	-	-		0		0	?	0	+	+ +	+
KGB 14	+	+	0	0	+	+ +	+	-	-	-	-	-	-		?	-	0	?	0	+	+ +	+
KGB 10	+	0	0	0	0	0	+	0	0	-	-	?	0	+	?	0	0	+	0	+	+	+
KGB 4	+	0	0	0	0	0	+ +	-	0	-	-	-	-	-	?	-	0	-	0	+ +	0	+ +
	Safeguarded Locations																					
KGB 18	+ +	0	0	0	0	0	+ +	-	?				-	?	0	-	-	-	0	+ +	0	+ +
KGB 6	+	+	0	0	?	+ +	+	-			-	-			0		0		0	+	+ +	+
									Lo	cations I	Discounte	d by the	draft Kno	wsley Gre	en Belt S	Study						
KGB 2	0	+	0	0	?	?	0	0	-	-	-	?	-	-	0	0	0	+	0	0	0	0
KGB 3	-	0	0	0	0	0	+	-			-				0		?		0	+	0	+
KGB 5	0	+	0	0	?	+	0			-	-	?	-	-	0	0	0	+	0	0	0	0
KGB 9	0	+	0	0	-	+	0	0	-	-	-	?	-	-	0	0	0	+	0	0	+	0
KGB 11	0	+	0	0	0	+	0	0	-	-	-	?	-	-	0	0	0	+	0	0	0	0
KGB 12	+	-	0	0	-	+ +	0	0			-	?		-	0	0	0	+	0	0	+	+
KGB 13	0	-	0	0	0	+	0	0	-		-	?	-	-	0	0	0	?	0	0	+	0
KGB 15	0	+	0	0	-	+	0	?	-	-	-	?	-	-	0	0	0	+	0	0	+	+
KGB 19	0	-	0	0	-	+	0			0	-	-	-	-	0	0	0	-	0	0	?	0
					1	1				1		Alternativ	e Locatio	ons								
Alternative A	+	0	0	0	0	0	+	-	-	-		?	-	-	0	0	0	-	0	+	0	+
Alternative B	+	0	0	0	0	0	+	0	-	-	-	-	-	-	?	?	0	-	0	+ +	0	+ +
Alternative C	+	+	0	0	+	+	+		-	-	-	-	-	-	0	?	0	?	0	+	+	+
Alternative D	+	+	0	0	0	+ +	+	-	-	-	-	-	-		0	-	0	+	0	+	+	+

## Explanatory Notes

The full objective is listed in Section 3.4 of the Sustainability Appraisal Report
 The scores listed in the table represent the predicted impact of the potential development in each location in the 10+ year period.