

CHILMINGTON GREEN DPD				
SA Theme	TASK A2	TASK A3		
	Baseline analysis	TASK A3 : Identifying sustainability issues and problems		
SA Theme	Baseline Situation	Issues for Chilmington Green DPD	Opportunities	Interrelationships
Biodiversity	<ul style="list-style-type: none"> Major habitat loss in lowland England Area of biodiversity benefit surround the site area Millenium Woodland to the north of the site 	<ul style="list-style-type: none"> Relationship between the new urban extension and the countryside and green and blue grid Impact of development on 16 ha of broadleaved & scrub woodland. (approx 14,5ha) of broadleaved woodland to the south east of the site Impact on 5.8ha of neutral grassland to the north of the site Potential impact on links between woodland habitats and open water channels. 	<ul style="list-style-type: none"> Opportunities for an enhanced green edge to new development as a buffer to the countryside Opportunities to develop the relationship to the Green and Blue Gird Design into the development areas of biodiversity benefit Habitat enhancement and opportunities to link habitats. 	<ul style="list-style-type: none"> Water and Soil Population and Human health Air Cultural Heritage and Landscape Social Inclusion
				LDF SA Objective : 1, 3 , 4
Water and Soil	<p><i>Flood Zone</i></p> <ul style="list-style-type: none"> Large proportion of the site is within Zone 1 Boundary may contain Zone 2 to the eastern side of Discovery Park, near the Whitewater Dyke. <p><i>Agricultural Land Quality</i></p> <ul style="list-style-type: none"> Grade 2 to the North East of the site, Grade 3 the remaining although there is a no 	<ul style="list-style-type: none"> Potential to cause added flooding from surface water rum off. New development will add pressure on water resources and potentially water quality. 	<ul style="list-style-type: none"> SUDs features on-site and strategic SUDs opportunities Ensure water efficiency measures are included within development As far as possible to retain higher quality agricultural land within landscape areas to protect from permanent development 	<ul style="list-style-type: none"> Biodiversity Population & Human Health
				LDF SA Objective : 1,16

	<p>agricultural area to the north of the site, <i>Contaminated Land</i></p> <ul style="list-style-type: none"> No known contaminated land within site although there is a possibility that methane has migrated onto areas adjacent to site (on Singleton Hill/Gypsy Site) 			<ul style="list-style-type: none">
Population & Human Health	<p>Great Chart with Singleton North (Parish) <i>Population</i></p> <ul style="list-style-type: none"> Population 2001 : 1753 All occupied household spaces : 725 <p><i>Health</i></p> <ul style="list-style-type: none"> General Health : Good 74.16% General Health : Fairly good 19.28% 	<ul style="list-style-type: none"> Without sufficient funding, community facilities may lag behind development. Without new standards for provision, the quantity, quality and accessibility of new open space could be insufficient. The significant rise in population in a new community may bring additional crime or fear of crime within and outside the new development 	<ul style="list-style-type: none"> Ensure the timely provision of infrastructure and services to provide for the new community Provide good access to countryside and green necklace Create sufficient provision of open space (including amenity space, play space and sports pitches) within the development Ensure walking and cycling opportunities within the site and links to the wider town via the green necklace. Include designing out crime initiatives within the development 	<ul style="list-style-type: none"> Water and Soil Air <p>LDF SA Objective 2, 11, 12,</p>
Air	No additional baseline information	<ul style="list-style-type: none"> High dependency on private car use will result in congestion and negative impacts on air quality 	<ul style="list-style-type: none"> Potential increase in public transport viability and enhance role of public transport corridors. Enable SMARTLink bus service Provide Park and Ride to 	Population & Human Health

			<p>intercept traffic at the outer edge of the town.</p> <ul style="list-style-type: none"> Walking and cycling opportunities within the site and links to the wider town via the green necklace. 	LDF SA Objective : 2
Climatic Factors	No additional baseline information	<ul style="list-style-type: none"> New development could add to climate change impacts 	<ul style="list-style-type: none"> Climate change mitigation measures (e.g. on site energy generation, transport links) to produce a carbon neutral development should be built into the DPD 	<ul style="list-style-type: none"> Biodiversity Water and Soil Air Social Inclusion <p>LDF SA Objective : 2, 7, 17, 18,</p>
Material assets	No additional baseline information	<ul style="list-style-type: none"> The significant rise in population and commercial development will generate a significant amount of waste Development of, initially, 3400 dwellings, commercial development and community facilities will demand substantial quantities of building materials. 	<ul style="list-style-type: none"> Development must reduce waste from households and commercial activity, and reduce the waste from construction activities. Sustainable construction materials should be used. 	LDF SA Objective: 7
Cultural Heritage & Landscape	<p><i>Landscape</i></p> <ul style="list-style-type: none"> Part of development on land which has suffered degradation through agricultural practices Landscape Character Areas - See Ashford Landscape 	<ul style="list-style-type: none"> New development will affect the landscape character of the area and could be visible from surrounding areas, including the countryside. The Greensand Way long distance footpath crosses the site and will 	<ul style="list-style-type: none"> Restoration of degraded landscape Measures to ensure that the medieval monument is incorporated into the green necklace. 	Biodiversity

	<p>Character Assessment <i>Heritage</i></p> <ul style="list-style-type: none"> • 18 listed buildings are situated within the site. • Scheduled monument to the South of Great Chart is not within the site. 	<p>need to be accommodated.</p> <ul style="list-style-type: none"> • Development could affect the setting of listed buildings. 	<ul style="list-style-type: none"> • Sensitive incorporation of the long distance footpath. • 	LDF SA Objective 3, 4,8,
Economic Development	<p><i>Great Chart with Singleton North (Parish)</i></p> <ul style="list-style-type: none"> • All people aged 16-74 (1,264) • People aged 16-74 : Economically active : Employees Full-Time : 46.60 • People aged 16-74 : Economically inactive 	<ul style="list-style-type: none"> • Employment growth is not achieved alongside housing growth. 	<ul style="list-style-type: none"> • The creation of service sector jobs (eg schools, shops, community facilities) to meet the needs of the area. • Investigate the Incorporation of flexible building types which accommodate live and work units particularly In the central part of the site. 	<p>Social Inclusion Population & Human Health</p> <hr/> <p>SA Objective 13, 19,20, 21</p>
Social Inclusion	<p><i>Affordable Housing</i></p> <ul style="list-style-type: none"> • 3,400 dwellings by 2021 - 1190 affordable housing need (35%) <p><i>Gypsies and Travellers</i></p> <ul style="list-style-type: none"> • Gypsy encampment - on Singleton Hill with 23 pitches <p><i>Great Chart with Singleton North (Parish) : Age groups</i></p> <ul style="list-style-type: none"> • * 0-4 : (6.39%) , 5-15 (15.63%), 16-19 (3.48), 20-44 (35.94%), 45-64 (23.10%), 65 + (16.465) 	<ul style="list-style-type: none"> • The provision of affordable housing is not sufficiently funded to keep pace with the remainder of development. • The provision of community facilities lags significantly behind the construction of new homes. • Need to accommodate existing gypsy provision • Provision of SMARTLINK public transport services is delayed until after significant development has occurred. • Gypsy encampment on Singleton Hill 	<ul style="list-style-type: none"> • Provide 35% of new housing as affordable homes which are distributed throughout the development. • Ensure the timely provision of infrastructure and services, including SMARTLINK, to provide for the new community 	<p>Economic Development</p> <hr/> <p>LDF SA Objectives 9, 11</p>

CHILMINGTON GREEN AAP																						
TASK A5																						
TESTING THE CHILMINGTON GREEN AAP OBJECTIVES AGAINST THE LDF SA FRAMEWORK.																						
Objectives DPD																						
A	To provide a comprehensive framework for 3400 homes and 600 jobs and the timely introduction of associated community facilities and infrastructure up to 2021 whilst taking into account the second phase of development up to 2031																					
B	To create a hierarchy of well distributed centres, facilities and public transport stops to deliver walkability and convenient access																					
C	To facilitate the creation of different housing and character areas with distinctive places each with their own character and identity and a 'High Street' with a strong sense of place and belonging																					
D	To ensure the generation of mixed house types, sizes and tenures including flexible housing designs to accommodate lifelong housing requirements																					
E	To ensure that the locally important habitats, landscape character and features and historic buildings and features are protected and enhanced and that the impact on the surrounding area is minimised																					
F	To ensure high quality public transport and walking /cycleway links to, from and through the community, commencing from the outset of the development																					
G	To provide for recreational use and enjoyment in and around the development																					
Chilmington Green DPD Objectives and SA Interaction Matrix																						
	LDF Sustainability Objective																					
DPD Objective	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
A	-	C	-	-	C	C	C	C	C	-	C	?	C	N	C	N	C	C	C	C	C	?
B	?	C	-	-	C	-	C	C	-	-	C	?	C	N	C	N	-	-	C	C	C	C
C	-	N	C	C	C	C	-	C	-	-	-	C	C	N	C	N	-	-	-	-	-	-
D	?	-	C	-	C	C	C	C	C	-	-	C	-	N	C	N	C	C	-	-	-	-
E	C	-	C	C	?	C	C	C	-	-	-	-	-	N	C	?	-	-	-	-	-	-
F	-	C	?	-	?	-	C	-	-	-	C	?	-	N	-	-	-	-	?	-	-	-
G	C	C	C	?	?	C	C	C	-	-	C	?	-	N	C	C	-	-	-	-	-	-
Key																						
C	Compatibility		N	Objectives are not compatible																		
?	Uncertainty over compatibility		-	No relationship between objectives																		

There were a number of potentially incompatible interactions identified. These conflicts will be assessed in the next stage of the SA.