

Appendix 9.2. Operational Impact Tables

Health Related Behaviours Determinants

Physical Activity

Table B.1 – Potential effects of operational activities on physical activity (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Active travel routes (cycleways and pedestrian footpaths)	Potential impacts include: <u>Physical</u> - Improves capacity for active travel <u>Human</u> - Promotes health and wellbeing through active travel - Location of development immediately adjacent to city centre provides a strong attraction to utilise active travel	High	Moderate beneficial	Moderate beneficial (significant) Permanent and direct	High (all vulnerable groups)	Moderate beneficial	Moderate beneficial (significant) Permanent and direct

Source: Atkins analysis

Risk Taking Behaviours

Table B.2 – Potential effects of operational activities on risk taking behaviour (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Roads, vehicles,	Potential effects include: <u>Physical</u> Changes from increased traffic and congestion	Medium	Minor Adverse	Slight Adverse Permanent, direct	High (families with children and adolescents, people who	Minor Adverse	Minor Adverse Permanent, direct

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
public transport	<u>Human</u> Changes to rate of injuries and death from changes to social, personal, economic or environmental conditions				are physically or mentally disadvantaged, people who are materially disadvantaged)		
					Medium (Wider groups, people of a certain ethnicity and gender)	Minor Adverse	Minor Adverse Permanent, direct

Source: Atkins analysis

Social Environment Determinants

Housing

Table B.3 – Potential effects of operation activities on housing (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Housing	<u>Physical</u> Provision of 505 residential homes	High	Medium adverse	Moderate beneficial (significant)	High (all vulnerable groups)	Medium adverse	Moderate beneficial (significant)
	<u>Human</u> Health outcome from provision of new housing (including a mix of tenures and affordable and social homes), providing greater opportunity to a wide range of people to live in the area and as such help to address social inequality			Permanent and direct	Medium (wider groups)	Medium adverse	Moderate beneficial (significant)

							Permanent and direct
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Source: Atkins analysis

Transport Modes, Access and Connections

Table B.4 – Potential effects of operational activities on transport modes, access and connections (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Public transport (buses)	Potential impacts include: <u>Physical</u> - Increased usage of existing public transport network <u>Human</u> - Promote health and wellbeing through active travel and will provide linkages to educational, social and health facilities for the population of the new development.	Medium	Moderate beneficial	Moderate beneficial (significant) Permanent and direct	Medium (all vulnerable groups)	Moderate beneficial	Moderate beneficial (significant) Permanent and direct

Source: Atkins analysis

Community Safety

Table B.5 – Potential effects of operational activities on community safety (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Proposed Development and surrounding roads and properties	<u>Potential effects include:</u> <u>Physical</u> - None Identified <u>Human</u> - None identified	N/A	N/A	N/A	N/A	N/A	N/A

Source: Atkins analysis

Social Participation, Interaction and Support

Table B.6 – Potential effects of operation activities on social participation, interaction and support options (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Local Communities	<u>Physical</u> - None identified <u>Human</u> - Health outcome from greater social cohesion and integration in the immediate locale as well as to the wider area as a result of the proposed mix of residential types	N/A	N/A	N/A	High (all vulnerable groups)	Medium beneficial	Moderate beneficial (significant) Permanent and direct, local scale
					Medium (wider groups)	Medium beneficial	Moderate beneficial (significant) Permanent and direct, local scale

Source: Atkins analysis

Economic Environment Determinants

Education and Training

Table B.7 – Potential effects of operational activities on education and training (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Local businesses – new employment and local jobs market Part delivery of the high street to include a mix of convenience retail store, café/restaurant, retail units, offices, live/work units, gym and community centre Upkeep of new public squares and open spaces and children's play area.	Potential impacts include: <u>Physical</u> - Provision of a skills and training associated with convenience retail store, retail units and office units <u>Human</u> - Health outcomes from creation of local jobs, skills and training and benefits to supply chain from local procurement of goods and services - Health outcomes from economic benefits of construction could stimulate the local economy and local job market, including the multiplier effects	Low	Negligible	Neutral	High	Minor beneficial	Minor beneficial (not significant)
					(wider groups, people who are materially disadvantaged)		Temporary, direct and indirect, short-term
					Medium	Minor beneficial	Minor beneficial (not significant)
					(other vulnerable groups)		Temporary, direct and indirect, short-term

Source: Atkins analysis

Employment and Income

Table B.8 – Potential effects of operational activities on employment and income (pre-mitigation)

Physical Receptor	Description of potential effects	Significance of potential effects on Physical Receptor			Significance of potential effects on human receptor		
		Sensitivity of physical receptor	Magnitude of impact	Significance of effect	Sensitivity of human receptor	Magnitude of impact	Significance of effect
Businesses / commercial premises immediately adjacent to the Scheme boundary (to be directly impacted)	<u>Physical</u> - Increased economic activity in local area <u>Human</u> - Increased economic activity in local area	Low	Negligible	Neutral	Medium (wider groups)	Minor beneficial	Minor beneficial (not significant)
Businesses / commercial premises within 500m of the Scheme Boundary	<u>Physical</u> - Increased footfall - Increased economic activity in local area <u>Human</u> - Increased footfall - Increased economic activity in local area	Low	Negligible	Neutral	Medium (wider groups)	Minor beneficial	Minor beneficial (not significant)
Local businesses – new employment and local jobs market Part delivery of the high street to include a mix of convenience retail store, café/restaurant, retail units, offices, live/work units, gym and community centre Upkeep of new public squares and open spaces and children's play area	Potential impacts include: <u>Physical</u> - Provision of a convenience retail store, retail units and office units will provide new employment <u>Human</u> - Health outcomes from creation of local jobs and benefits to supply chain from local procurement of goods and services - Health outcomes from economic benefits of construction could stimulate the local economy and local job market, including the multiplier effects	Low	Negligible	Neutral	High (wider groups, people who are materially disadvantaged)	Minor beneficial	Minor beneficial (not significant) Temporary, direct and indirect, short-term
					Medium (other vulnerable groups)	Minor beneficial	Minor beneficial (not significant) Temporary, direct and indirect, short-term

Source: Atkins analysis

Bio-physical Environment Determinants

Air Quality

1.1 Refer to the Air Quality section for a full explanation of this assessment and for information on the implications of the Proposed Development.

Land Quality and Water Quality or Availability

1.2 Refer to the Soil and Water sections for a full explanation of this assessment and for information on the performance of the implications of the Proposed Development.

Noise Pollution and Vibration

1.3 Refer to the Noise and Vibration section for a full explanation of this assessment and for information on the implications of the Proposed Development.

Institutional and Built Environment

Built Environment

Refer to the Daylight and Sunlight section for a full explanation of this assessment and for information on the implications of the Proposed Development.