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No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Technology	Kobustness Accessible	Multi purpose space	Programme	Whole Life Costs	Commercial Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
Α	Procurement																							
A1	Procurement route not confirmed	Awaiting results of Soft Market Testing and OBC recommendations						2					3	2 2	2	3	С	9	£840,000	10%	£84,000		LCCC	
A2	Suitable contractor not appointed	PQQ documents not suitable for the project; risk reduced following completion of agreed procurement strategy.		:	2		2			3	3		3	3 2	2	3	В	6	£1,400,000	5%	£70,000		LCCC/ AECOM	
А3	Contract choice not suitable for the works	Option for NEC contract not suitable; risk reduced following completion of procurement strategy												ţ	5	5	Е	25	£1,400,000	5%	£70,000		LCCC/ AECOM PM	
A4	Procurement Contractor challenge	Perceived or real failure to comply with the procurement regs											5	ţ	5	5	В	10	£288,000	20%	£57,600		LCCC/ AECOM PM	
A5	Tender documentation not completed to programme	Design team fail to complete											5	3	3 3	5	Е	25	£94,000	15%	£14,100		AECOM PM	
A6	Delay to ITT	tender documentation not complete, design not complete, client delay											5	3	3 3	5	Е	25	£46,000	20%	£9,200		AECOM	
A7	Tender incomplete at award	missing information											5	3	3 3	5	Е	25	£280,000	10%	£28,000		AECOM	
A8	Tender of Ice and Bowling kit - Separate to Main Contractor	Client wishes to tender. Works to be incorporated into the main contract	2			2							5	2 3	3	5	D	20	Strategic	30%	£0		LCCC	
A9	Tendered design exceeds budget	Specification/ design exceeds initial allowances, reduced allowance at stage 3 to reflect increased certainty over sub-structure costs			4 4	4			3	2			5	3 3	3 3	5	С	15	£700,000	20%	£140,000		IDT Lead	
	The market expectation from the Contractor perspective/ Contractor interest	Dependant on the market and potential main contractor workload; risk reduced with fully design procurement strategy with full BOQ reducing contractor's tendering risks											4	2	4 2	4	В	8	£1,400,000	10%	£140,000		LCCC	
	BREXIT	Britain's exit from the EU. Potential effect on procurement laws., Allowance reduced following formal leave agreement with potential for currency fluctuations not realised												2	2	2	В	4	£370,000	10%	£37,000		LCCC	
A12	Clarity around the Procurement recommendation	All parties clear on the effect of the chosen procurement route and the contract type								3						3	А	3	included A1	10%	£0		LCCC	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics Innovation	Sustainable	Function & efficiency	Futureproofing	Technology	Kobustness Accessible	Multi purpose space	Programme	Whole Life Costs	Commercial Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
В	Planning																							
B1	Planning Application not submitted as programme	Impact of various consultations generally on the design; risk mitigated with planning application now											5	3	3	5	С	15	£47,000	0%	£0		LCCC/ AECOM	
B2	Planning Application not submitted as programme	Impact of operators or developers on the design through Soft Market Testing											5	3	3	5	С	15	Included B1	20%	£0		LCCC	
В3	Planning Application not submitted as programme	Impact of revised Project Brief upon Project Budget											5	3	3	5	С	15	Included in B1	20%	£0		LCCC	
B4	Planning permission not granted as programme	Delays by the Planning Office and Consultees											5	3	3	5	С	15	£47,000	20%	£9,400		LCCC/ AECOM	
B5	Onerous planning conditions	Statutory authorities / consultees requiring additional works to be carried out			;	3	3		3					Ę	5	5	Е	25	£250,000	20%	£50,000		LCCC/ AECOM	
В6	Disagreement to the use of wider Leisure Park land	Programme delay and inappropriate use of LP land		_   .	4 3	3 4	2		2		3	4			4	4	А	4	Strategic	10%	£0		LCCC	
B7	Internal Department potential conflict	Dissagreement between parties on the delivery of the project											3	3	3 3	3	С	9	£700,000	20%	£140,000		LCCC	
B8	Post application/ approval changes	Potential unforeseen issues or client changes			;	3							3	3	3	3	С	9	Included in B7	10%	£0		LCCC/ AECOM	

No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Multi purpose space Programme	Whole Life Costs	Commercial	Business Continuity	Severity	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
В9		Potential enabling works contract for a temporary carpark	2						3						3		3 A	3	Included in cor	1 50%	£0		LCCC	
B10	Planning Gain	To be advised by the planning department											4		3		4 C	12	Included in B	5 10%	£0		LCCC	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Multi purpose space Programme	Whole Life Costs	Commercial	Business Continuity	Severity	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
С	Financial																							
C1	Availability of capital funding	Council decide to limit funding based on OBC recommendations and impact on the Council rate.  Development partners may be involved through FOL			4								5		5		5 E	25	Strategi	c 10%	£0		LCCC	
C2	Impact of Soft Market Testing (SMT) proposals and delivery models	Uncertainty of funding option details and agreement / terms											3		2		3 D	12	Strategi	10%	£0		LCCC	
С3	Late availability of Whole Life Cycle (WLC) costs for the project which impact on the OBC	OBC submitted and WLC provided; impact mitigated											3	5	5		5 B	10	£280,00	0 0%	£0		LCCC/ Shipway	
C4	Egilure to deliver the project within the OBC	Project brief cannot be delivered within the budget													5		5 E	25	Strategi	c 10%	£0		LCCC/ Shipway	
C5	IDT compensation events	IDT compensation events increase the project costs											3		4		4 B	8	£112,00	50%	£56,000		LCCC AECOM	
	Partners / developers do not have sufficient funds available which delays the programme	Need to ensuring that partners / developers have sufficient funds available											5		5		5 A	5	Strategi	10%	£0		LCCC	
C7	Change control / cost escalation issues	Lack of control procedure /reporting / health checks at key stages											3		5		5 B	10	Strategi	10%	£0		LCCC	
C8	I are changes to brief and implications	Client may wish to change the brief to better suit the business needs; mitigated from stage 2 with increased briefing certainty											5		5		5 B	10	£280,00	0 15%	£42,000		LCCC	
C9	BREXIT	Potential cost increase of any imported materials/ items													3		3 C	9	Included under A1		£0		LCCC	
C10	Specialist input for specific items WLC	Ice & Bowling specialist input												5	3		5 C	15	Cost neutra	20%	£0		LCCC, AECOM	
C11	Value Management	Ability to be focus of the important deliverables			3	3	3	3	3	3			3		3		3 B	6	Strategi	20%	£0		LCCC	
C12	Client direct costs - capital and fitout costs	Client procured items													3		3 C	9	Client direc	10%	£0		LCCC	
C13	Soft Landings - training, 1+ years maintenance	Additional costs to the client in order for the Contractor to provide												5	5		5 C	15	£150,00	50%	£75,000		LCCC	
C14	Future proofing - flexible/ adaptable design	Cost increase for additional items to be included in order to make the design flexible		3					3					4	4		4 B	8	Cost neutra	20%	£0		AECOM	
C15	Robustness as appropriate	the direct effect on costs for a more durable design									5				4		5 A	5	£280,00	30%	£84,000		AECOM	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation Environmental/	Function &	efficiency Futureproofing	Technology	Robustness	Accessible	Multi purpose space	Whole Life Costs	Commercial	Business Continuity	Severity	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
D	Legal																							

No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Robustness	Accessible	Multi purpose space	Programme	Whole Life Costs	Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
D1	Challenges to facilities mix	Lack of adequate engagement with stakeholders			3			3	2		3	2	2	2		3	В	6	Included with C8	30%	£0		LCCC	
D2	Challenges to stakeholder / partner / developer / operator options	Deficiencies in advertising the prospectus to the markets									3		2	3 3		3	С	9	Strategic	10%	£0		LCCC	
	·	Lack of clarity for return information and timetable in the prospectus											2	3 3		3	С	9	£94,000	20%	£18,800		LCCC	
D4	Delays to procure legal advisors for the entire project	Requirement for consistent legal advice with a complete overview of all elements												1		1	А	1	Strategic	5%	£0		LCCC	
D5	Challenge on the appointment of IDT leading to a programme delay and additional cost	Lack of perceived transparency											2	2		2	В	4	Strategic	10%	£0		LCCC	
D6	Current tenant/ contractor challenges	Current lease agreements may not include for flexibility or potential shut down period									3		2	3 3		3	С	9	Strategic	20%	£0		LCCC	
D7	Dispute arising during construction	Potential costs and delays to the project and client											5	5		5	В	10	£560,000	20%	£112,000		LCCC/ AECOM	
D8	Dispute arising during design	Potential costs and delays to the project											5	5		5	А	5	£94,000	10%	£9,400		LCCC/ AECOM	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Robustness	Accessible	Multi purpose space	Programme	Whole Life Costs	Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
E	Site Location & Characteristics																							
	Further works identified by surveys not yet envisaged	Outcome of exploratory works		3			3		3				3	3		3	С	9	£50,000	20%	£10,000		AECOM	
E2		Discovery of asbestos content within the existing building											5	5		5	Е	25	£30,000	5%	£1,500		LCCC	
E3	Archaeology	Discovery of archaeological remains on site											2	4		4	Е	20	£10,000	5%	£500		LCCC	
E4	Contamination	Discovery of contaminated land on site					3						2	5		5	С	15	£50,000	10%	£5,000		LCCC	
E5	Ground conditions	extent or unknown conditions reduced with firming up of foundation design and survey works at stage 3.  Residual risk retained					3						2	5		5	С	15	£620,000	25%	£155,000		LCCC	
E6	Ecology & Environmental Impact	Unknown conditions or limitations					5						2	5		5	С	15	£50,000	10%	£5,000		LCCC	
E7	Demolition Surveys - early stage for demolition of 10 bowling lanes	to determine if this can be achieved and how				4 3					4		3	4		4	D	16	Included with E1	50%	£0		LCCC	
	Demolition Surveys - Existing building demolition	Unknown conditions or limitations					2						4	5		5	С	15	Included in capital costs	10%	£0		LCCC	
E9	Anti social behaviour	Basic security measures may not stop prohibited civilians entering the site	3					3		3				3		3	В	6	£105,000	10%	£10,500		LCCC/ Contractor	
E10	Site security - Main Contractor responsibility	Unknown conditions or limitations	3													3	А	3	Included in E9	10%	£0		Contractor	
E11	Additional/ Temporary Carparking	May be required, to be determined		3		2		3				П	3	1 3		3	В	6	Included in capital cost	50%	£0		LCCC	
E12	Live site - impact on Public	Unknown conditions or limitations. Potential impact on the existing centre and how it is run.	2					2			4		$\top$			4	В	8	£30,000	20%	£6,000		LCCC/ Contractor	
	Provision for opening of new complex while demolition is ongoing in existing	logistical/ build issues and exclusion zones	3			2		4			4		4	4	5	5	Е	25	Included in capital costs	30%	£0		LCCC	
E14	Visual Impact - Roof and associated M&E	Potentially cant hide or disguise plant and associated MEP				3			3	3				3		3	С	9	£100,000	50%	£50,000		AECOM	

No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	Multi purpose space	Programme	Whole Life Costs	Commercial Business Continuity	Soverity.	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	Multi purpose space	Programme	Whole Life Costs	Commercial Business Continuity	Soverity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
F	Project Brief																							
F1	Brief, costs, programme etc not accurate	LCCC works information not sufficiently developed with too many assumptions											5		5 4	5	Е	25	Included above	10%	£0		LCCC/ AECOM	
F2	Adverse impact of SMT respondents on the brief, design and programme	The prospectus and advertising does not attract adequate respondents		3					3			3	3	3		3	С	9	Included above	20%	£0		LCCC	
F3	The brief is inaccurate and does not represent the project aims and objectives	Inadequate time allowed for brief development and approval		3		3		3	3			3	4	5	3	5	Е	25	Included above	10%	£0		LCCC	
F4	Programme implications of progressing a developer partnership option	Delays to overall programme in completing a partnership agreement before making an investment decision											5		3	5	С	15	£188,000	30%	£56,400		LCCC	
F5	Programme delays caused by late information from partners / stakeholders	Programme delays causing compensation events											5		3	5	Е	25	Included in F4	30%	£0		LCCC	
F6	Black box requirements from End Users	Information delays causing compensation events											5		2	5	С	15	Included in F4	20%	£0		LCCC	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	Multi purpose space	Programme	Whole Life Costs	Commercial Business Continuity	Soverity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
G	Design Development																							
G1	Unproven design and/or materials and products	Unproven design and/or materials and products resulting in delays or cost over-runs		3	3	3		3	3	3	3 3	3	3	3	3 3	3	D	12	£280,000	10%	£28,000		AECOM	
G2		Regulation changes - Public Buildings to be nearly Carbon Neutral in 2019								3			3		3 3	3	С	9	£1,000,000	50%	£500,000		LCCC	
G3	Statutory/ Utility requirements	Changes in statutory requirements											5		5	5	Е	25	£100,000	10%	£10,000		LCCC	
G4	Failure to comply with statutory requirements	Lack of client and IDT knowledge											5		5	5	Е	25	Included in G2	10%	0		AECOM	
G5	Non-achievement of BREEAM	Client or contractor fails to achieve a BREEAM rating					3									3	С	9	Strategic	10%	0		LCCC/ AECOM	
G6	Performance requirements not included in the works information	Works information not complete									5		5	5	5	5	Е	25	Included above	10%	£0		AECOM	
G7	Failure of design to meet brief	Failure by designers or potential gaps in the brief that directly affects the ability to deliver		4		3		4					4		4	4	С	12	Included above	10%	£0		AECOM	
G8	Failure of design to meet end user satisfaction	Lack of stakeholder consultation									3		3	3	3 3	3	D	12	Included above	10%	£0		AECOM	
G9	Building Control approval	Potential changes during the delivery stage that may effect the nature of the design											5		5	5	С	15	£100,000	30%	£30,000		LCCC	
G10	Design errors	Designers mistakes/ oversights		3	3	3			3		3	3	3	3	4	4	D	16	£100,000	10%	£10,000		AECOM	
G11	Acoustic performance	Large spaces with various loud activities. May need specialist input						5				3			3	5	С	15	£100,000	10%	£10,000		AECOM	
G12	Design team resources	Lack of resource/ switching of personnel											3			3	С	9	£47,000	10%	£4,700		AECOM	

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G13		potential divergence of the design from what was approved by the planners			3	3							5		3		5	E	25	£100,000	10%	£10,000		LCCC/ AECOM	
G14	Security	Designers ability to design out crime and provide adequate security measures	5	3										3			5	В	10	£50,000	20%	£10,000		LCCC/ AECOM DT	
G15		Early input into the design so that retrospective changes are not issued in the later stages												5	2	3	5	А	5	Strategic	10%	£0		LCCC	
	DDA compliance and possible further enhanced requirements	Design ability to be compliant with current regulations						5	3			3	3		3		5	С	15	Included above	10%	£0		AECOM	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Multi purpose space	Whole Life Costs	Commercial	Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
н	Construction																								
H1	Delay in completion of the Contract	Delay in issue and signing of the contract documents											5		3	5	5	E	25	£94,000	20%	£18,800		LCCC	
H2	Delay due to restricted site possession	Client unable to provide site access											5		5	5	5	E	25	£47,000	10%	£4,700		LCCC	
НЗ	Delay due to inclement weather	Inclement weather											5		5		5	E	25	Cost neutral	5%	£0		LCCC	
H4	Asbestos	Discovery of ACM's within the existing building											3		5		5	С	15	£80,000	5%	£4,000		LCCC	
H5	Archaeology	Discovery of archaeology on the site											5		5		5	E	25	Included above	5%	£0		LCCC	
Н6	Contamination	Discovery of contaminated land											5		5		5	E	25	Included above	5%	£0		LCCC	
H7	Services strikes	Unknown underground services											5		5		5	E	25	Included above	10%	£0		LCCC	
Н8	Delay due to unforeseen ground conditions	Unforeseen ground conditions											5		5		5	E	25	£80,000	10%	£8,000		LCCC	
H9	Completion delayed due to other construction matters	Contractor does not perform											5			3	5	E	25	£70,000	5%	£3,500		Contractor	
H10	Quality of works unacceptable	Contractor does not perform				5							5			3	5	Е	25	£200,000	5%	£10,000		Contractor	
H11	Material and component supply	Orders not placed in time to accommodate delivery with long lead-in periods											5				5	С	15	Delays already included above	5%	£0		Contractor	
H12	Slow responses to contractor queries	Delays included above											5				5	С	15	Delays already included above	10%	£0		AECOM	
H13	Loss / damage to property or injury to unauthorised persons	Vandalism and/or unauthorised entry into the site											3		3		3	С	9	security and	5%	£0		LCCC	
H14	Latent defects	Defects arising after completion													5		5	С	15	contractors included in contract	5%	£0		Contractor	
H15	Contractor insolvency	Insolvency of the contractor											5		5	5	5	E	25	£3,000,000	5%	£150,000		LCCC	
H16	Insolvency	Insolvency of supply chain member									$\top$	$\top$	3		3		3	С	9	Included above	5%	£0		Contractor	
H17	Labour strike	Industrial action									$\top$		5			5	5	С	15	Contract conditions	5%	£0		LCCC	
H18	Shortage of skills	Labour shortage due to other projects/									$\top$	$\top$	3			3	3	С	9	Strategic	5%	£0		LCCC/ Contractor	

No.	Risk	Root cause	Security	Flexibility Unique/ Flaaship	Aesthetics	Innovation	Sustainable	Function & efficiency	Futureproofing Technology	Robustness	Accessible	Multi purpose space	Whole Life Costs	0	Business Continuity	Severity	Score		Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
H19	Fraud	Contractor and supply chain commit fraud										3			3	3 C	9	)	Strategic	5%	£0		LCCC	
H20	Site security during construction	Building a potential target	5													5 B	1	0 I	ncluded above	10%	£0		Contractor	
H21	Potential fire	Hot works and unforeseen circumstances										3			3	3 E	1	5	Insurance provisions	10%	£0		Contractor	
H22	Statutory changes	Unforeseen changes										5		5	,	5 E	2	5 I	ncluded above	10%	£0		LCCC	
H23	Building Control approval	Contractors ability to meet standards and adequate supervision during construction.										5			5	5 D	2	0 lı	ncluded above	5%	£0		Contractor	
H24	Impact to existing building during construction	noise, logistics and structural problems	3				3	3			3	3			3	3 C	9	)	£100,000	10%	£10,000		LCCC	
H25	Handover, Zero Defects and soft landings	quality of contractors work and ability to close out snags prior to completion			3							3			4	4 C	1:	2 I	ncluded above	10%	£0		Contractor	
H26	Effect on neighbours and public	noise and logistical problems					3								;	3 C	9	)	Strategic	10%	£0		LCCC	
H27	Tenant fitout along side main contractor fitout	ability to meet the main contractors programme		4								4		3		4 D	10	6	o be aligned with	25%	£0		LCCC	
H28	Local support of Plant	procured from a local source, so it can be fixed relatively quickly										4		3	4	4 D	10	6	requirement	10%	£0		LCCC/ Contractor	
H29	Social Clauses	required by LCCC													3	3 B	3 6	5	and spec to Included in construction	10%	£0		LCCC	
H30	retained elements from existing building	Client may wish to retain some elements of the existing building										3		3	3	3 B	3 6	6	Strategic	5%	£0		LCCC	
H31	Specialist decommissioning	may be required by particular existing plant							3					3		3 B	3 6	6	£50,000	10%	£5,000		LCCC/ Contractor	
No.	Risk	Root cause	Security	Flexibility Unique/Flagship	Aesthetics	Innovation		Œ	Futureproofing Technology	Robustness	읊	Multi purpose space	Whole Life Costs	ē	Business Continuity	Severity	Score	2000	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
J	Communication																							
J1	Client changes to management	Illness to project staff, holidays, redeployment etc										3			3	3 C	9	)	£47,000	5%	£2,350		LCCC	
J2	Breakdown of stakeholder relations	Stakeholders feel their requirements not being met										3		3	,	3 C	9	)	Strategic	10%	£0		LCCC	
J3	Client inaction	information, making decisions or consents that										5		5		5 E	2	5	£94,000	10%	£9,400		LCCC	
J4	Poor communication between Client / IDT / contractor	Lack of communication		3 3	3	2		3 3	3	3		3		3	;	3 C	9	)	£94,000	10%	£9,400		AECOM/	
J5	Lack of commitment between Client / contractor	Lack of commitment										5		5	5	5 E	2	5	Strategic	10%	£0		AECOM/ Contractor	
J6	Poor communications with stakeholders	Lack of communication						$\top$				3		3	3	3 C	9	)	Strategic	10%	£0		LCCC, AECOM	
J7	Poor communication between Steering Group & Project Board	Lack of communication										3		3	3	3 C	9	)	Strategic	10%	£0		LCCC	
IR.	LCCC reputation / public image / public	Lack of communications / governance / procedures		4			3								3	4 C	1:	2	Strategic	10%	£0		LCCC	
J9	Consider External Document Management System (e.g. Aconex)	may be needed to manage documentation												2		2 C	: 6	5	included in construction	20%	£0		LCCC	

No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	ssig	Programme	Whole Life Costs	Commercial	Business Continuity	Severity	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
J10	Common data environment BIM - Bim Execution Plan							3		3				2	3	3	С	9	construction	10%	£0		AECOM	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Programme	Whole Life Costs	Commercial	7	Severity	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
К	Health and Safety																							
K1	Injury to end user and / or site personnel	Inadequate Health & Safety provision											3		3	3 3	С	9	£94,000	10%	£9,400		AECOM,	
K2	Negligent act	Negligent act, omission or default of the employer which results in loss or damage											4		3 3	3 4	-	0	Strategic	5%	£0		LCCC	
КЗ	Non Negligent acts	unforeseen circumstances											5		5 4	1 5	E	25	Strategic	5%	£0		LCCC	
	Ensure Designers Risk Assessments are carried out adequately	Designers Risk Assessments left to the last minute											3			3	С	9	Strategic	10%	£0		AECOM	
K5	Change to H&S legislation	Change of H&S legislation adding time and cost											3			3	С	9	Strategic	5%	£0		LCCC	
K6	Principal Designer/ Contractor	Capability of fulfilling the new CDM role											2			2	! В	4	Strategic	5%	£0		LCCC	
K7	Unauthorised activity on site	Potentially creating a target	5													3	В	6	Strategic	10%	£0		LCCC/ Contractor	
K8	Site visits - hazards, signing in and out	Visitors forgetting to or neglecting to sign in														2	В	4	Strategic	5%	£0		Contractor	
K9	Unfamiliar visitors with site	Visitors forgetting to or neglecting to sign in														2	В	4	Strategic	5%	£0		Contractor	
K10	Phasing plan	Need to keep the existing centre running while construction of the new centre is underway											5		5 5	5 5	E	25	Strategic	20%	£0		LCCC	
K11	Refrigeration Plant at the rear of the site, potential contamination and decommissioning	Potential for hazardous material								3					3	3	В	6	Strategic	10%	£0		AECOM,	
No.	Risk	Root cause	Security	Flexibility	Unique/ Flagship	Aesthetics	Innovation	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Programme	Whole Life Costs	Commercial	Ssaul	Sevency	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
L	<b>Operational</b>																							
		Existing building is at the end of its economic life and major plant or fabric failures are highly possible				$\top$							5		5 5	5 5	E	25	Client direct	20%	£0		LCCC	
	Operational management challenges	Programme delay until the management method is agreed				$\top$					$\top$		5	3	5 5	5 5	E	25	Client direct	10%	£0		LCCC	
L3	Staff / trade union challenges	Operational options causing staff implications				$\top$					$\top$		5		5 5	5 5	E	25	Client direct	10%	£0		LCCC	
L4	Lack of project promotion and marketing to deter competition	New competition from other public or private sectors impacting the OBC			3	$\top$					$\top$				3 3	3 3	С	9	Client direct	10%	£0		LCCC	
L5	Negative publicity / public image issues / reputation	Lack of communication / engagement / governance			4	$\top$					$\top$			3	4 4	1 4	D	16	Client direct	10%	£0		LCCC	
L6	Operational issues arise on occupation	Building form and function						4					3	3		4	С	12	Client direct	10%	£0		LCCC	

No.	Risk	Root cause	Security	Flexibility Unique/ Flagshin	Aesthetics	Innovation	Sustainable	Function & efficiency	Futureproofing	Technology	Robustness	Accessible	Multi purpose space	Whole Life Costs	Commercial	Business Continuity	Severity	Impact	Score	Risk Cost Allocation	% probability of occurrence	Estimated Monetary Value (Risk X %probability)	Recommended Action	Owner	Comment
L7	Operational issues arise on occupation	Management						4					3	3			4	С	12	Client direct	20%	£0		LCCC	
L8	Operator dissatisfaction with facilities	no input into the initial design. Lack of stakeholder consultation														3	3	С	9	Client direct	5%	£0		LCCC	
L9	Concession holder dissatisfaction with facilities	no input into the initial design. Lack of stakeholder consultation														3	3	С	9	Client direct	5%	£0		LCCC	
L10	Public dissatisfied with facilities	no input into the initial design. Lack of stakeholder consultation		5													5	D	20	Client direct	5%	£0		LCCC	
L11	Equipment failure	Teething problems with new equipment											4	4	4		4	D	16	Client direct	10%	£0			

	Total costs £16,872,000	£2,403,650		
Inflation				
Tender Inflation		£2,206,131		
Construction Inflation		£1,492,250		

everity 1 2 3 4 5

Impact A B C D E