## Table 1 – Network Building: Circularity Strategy

| ASPECT | PHASE / BUILDING / AREA | STEERING APPROACH | EXPLANATION | TARGET | SUPPORTING ANALYSIS / STUDIES / SURVEYS / AUDITS |
|---|---|---|---|---|---|
| Circular economy approach for the new development | **All areas** | During design development engage with contractors to discuss methods for preventing construction waste from going to landfill and instead reducing, reusing and recycling waste | *S I7 (B3) Opportunities for managing as much waste as possible on site* | 95% non-hazardous demolition, excavation and construction waste diversion from landfill | Pre-demolition Audit<br>Resource Management Plan<br>Site Waste Management Plan |
| | | During the Concept design (RIBA Stage 2) and Technical Design (RIBA Stage 4), undertake a Whole-life Carbon Assessment with options appraisal will be undertaken, estimating the scheme's WLC and identifying opportunities to improve emissions | *S I2(F) Development proposals referable to the Mayor should calculate whole life-cycle carbon emissions through a nationally recognised Whole Life-Cycle Carbon Assessment and demonstrate actions taken to reduce life-cycle carbon emissions.*<br><br>*S I7(B2) How the proposal's design and construction will reduce material demands and enable building materials, components and products to be disassembled and re-used at the end of their useful life* | GLA Benchmarks for A1-A5 and B-C carbon emissions | Whole Life Carbon Assessment |
| | | Undertake material efficiency, durability and resilience and circular economy workshops during the design phases | *S I7 (A1) Promote a more circular economy that improves resource efficiency and innovation to keep products and materials at their highest use for as long as possible*<br><br>*SI 7 A2 Encourage waste minimisation and waste prevention through the reuse of materials and using fewer resources in the production and distribution of products.* | BREEAM Mat 05, 06 &<br>Wst 05, 06 requirements | Design workshops and post planning<br><br>Circular economy updates |
| | | | | 20% min material reuse / recyclability | |

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| | | During the technical design stage develop a resource management plan developed with the project team and contactor to identify material / waste streams, possible procurement routes and establish on-site processes for reducing construction waste | *S I7 (B3) Opportunities for managing as much waste as possible on site*<br><br>*S I7 (B5) How much waste the proposal is expected to generate, and how and where the waste will be managed in accordance with the waste hierarchy* | 6.5 tonnes/100m2 GIFA | Resource Management Plan |
| Circular economy approach for the existing site | **All Areas** | During the concept design stage undertake a pre-refurbishment audit to identify possible opportunities to reuse / repurpose existing building materials in their highest form on-site and then off-site | *S I7 (B1) How all materials arising from demolition and remediation works will be re-used and/or recycled* | 95% demolition, and excavation waste for landfill | Pre-demolition audit |
| | | Ensure appropriate segregation of waste streams to ensure optimum material salvage and reuse | *S 17 (B2) Opportunities for managing as much waste as possible on site* | | |
| Circular economy approach for municipal waste during operation | **All Areas** | Design appropriately sized waste storage facilities with waste type segregation and develop a Municipal Waste Strategy alongside a prospective tenant and building management team | *SI 7 (A4) meet or exceed the municipal waste recycling target of 65 per cent by 2030*<br><br>*SI 7 (A6) Design developments with adequate, flexible, and easily accessible storage space and collection systems that support, as a minimum, the separate collection dry recyclables (at lest card, paper, mixed plastics, metals, glass ) and food)* | 65% municipal waste diversion from landfill<br><br>Zero biodegradable or recyclable waste to landfill by 2026 | Operational Waste Management Strategy |
| | | During the developed design stage the project team should engage with a contractor to establish predicted waste streams and confirm capacity for landfill site(s) to receive waste | *SI 7(B4) How much waste the proposal is expected to generate and how and where the waste will be managed in accordance with the waste hierarchy.* | Commitment to confirm landfill destination and apply the waste hierarchy | Resource Management Plan<br>Cut and fill calculations<br>Site Waste Management Plan |