

| Will the decision/proposal impact...                   | Impact   | If an impact or potential impacts are identified:                                        |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|----------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        |          | Describe impacts or potential impacts on emissions from the Council and its contractors. | Describe impact or potential impacts on emissions across the Borough as a whole.                                                                                                                                                                                                                                          | Describe any measures to mitigate emission impacts                                                                                                                                                                                                                                                                                                                                                                                              | Outline any monitoring of emission impacts that will be carried out                                                                                                                                                                                                                                                                    |
| Emissions from non-domestic buildings?                 | None     |                                                                                          |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                        |
| Emissions from transport?                              | None     |                                                                                          |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                        |
| Emissions from waste, or the quantity of waste itself? | None     |                                                                                          |                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                        |
| Emissions from housing and domestic buildings?         | Increase |                                                                                          | Acquisition of the site as recommended by option 2 of the officer decision is to complete the land assembly required for development of a Riverside Residential Quarter. An estimated 279 dwellings over the whole development will marginally increase greenhouse gas emissions from domestic energy use in the Borough. | Any new dwellings to be constructed on the site will comply with building regulations: Part L (conservation of fuel and power) was uplifted in 2022, to raise minimum energy performance standards. A further uplift known as the Future Homes Standard (FHS) is expected to be published in 2025: the FHS is expected to require all new dwellings to have rooftop solar PV panels installed from their construction, within practical limits. | SAP (standard assessment procedure) ratings are required for all new dwellings to indicate their energy efficiency: SAP scores determine EPCs (energy performance certificates), which are monitored as a high-level indicator of progress to local climate change goals, but monitoring is not generally in place for specific sites. |

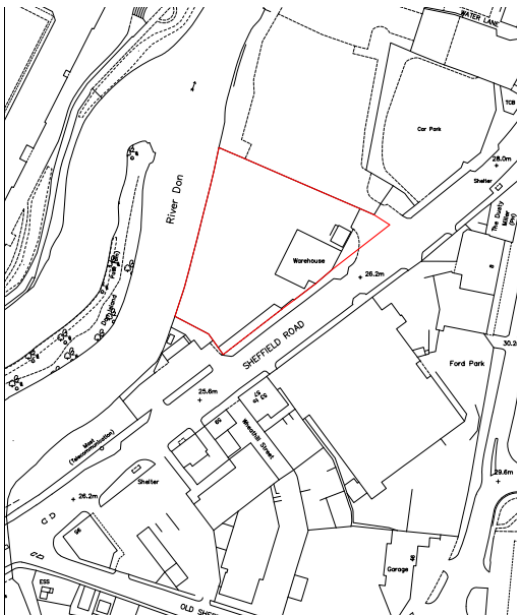
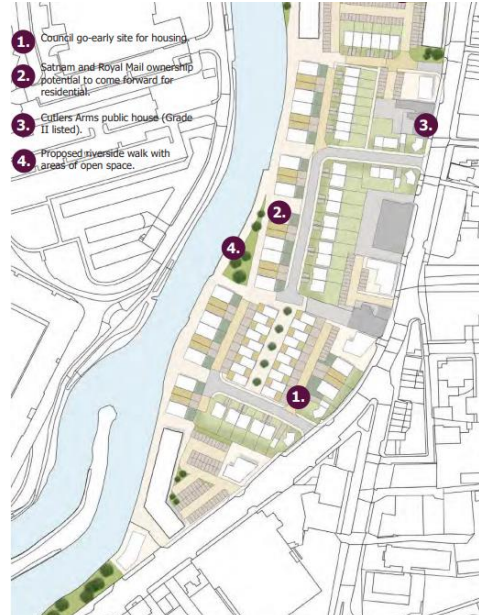
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|---------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emissions from construction and/or development?                                                               | Increase | Acquisition of the site as recommended by option 2 of the officer decision is to complete the land assembly required for development of a Riverside Residential Quarter. Development of the site by the Council or its contractors will have an embodied carbon impact from the use of carbon intensive, industry standard construction materials of bricks, glass, concrete and steel. |  | Modern methods of construction which mitigate embodied carbon impact by using alternative, low-carbon materials and rationalising design will be appraised through building design. | Carbon factors for standard construction materials are available from Government's conversion factors for company reporting dataset, but quantities of materials used are not regularly requested from contractors to assess embodied carbon impacts. |
| Carbon capture (e.g. through trees)?                                                                          | Unknown  |                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                     |                                                                                                                                                                                                                                                       |
| Identify any emissions impacts associated with this decision which have not been covered by the above fields: |          |                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                     |                                                                                                                                                                                                                                                       |

Will the proposal affect Council services' resilience to climate change, or the capacity of people living in the Borough to adapt to climate change?

The proposed acquisition is situated in Flood Zone 2 (Environment Agency, Flood Map for Planning), which means it has a medium risk of flooding, between 1 in 100 and 1 in 1000 annual probability. Any planning application submitted for development of the site will need to include a flood risk assessment, which must allow for the effect of climate change on future flood risk. As the site is already in developed use, with most surfaces covered by hard standing, it may be reasonably supposed that redevelopment will not materially increase the risk of flooding on site or elsewhere (allowing for such mitigation as may be required in the design).

Provide a summary of all impacts and mitigation/monitoring measures:

This request is for the complete the delegation approved at Cabinet in March 2022 and April 2025 to purchase the land and property at Sheffield Road as highlighted in Appendix 1 and below, which forms part of the wider Riverside Residential Quarter development.

|                                                                                                                                                         |                                                                                        |                                                                                     |
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| Supporting information:                                                                                                                                 |                                                                                        |                                                                                     |
| Climate Impact Assessment Author                                                                                                                        | Nicola Glynne-Jones<br>Project Manager<br>Regeneration<br>Regeneration and Environment |                                                                                     |
| Please outline any research, data, or information used to complete this [form].                                                                         |      |  |
| If quantities of emissions are relevant to and have been used in this form please identify which conversion factors have been used to quantify impacts. |                                                                                        |                                                                                     |
| Validation                                                                                                                                              | Tracking Reference: CIA 547<br><br>Arthur King<br>Principal Climate Change Officer     |                                                                                     |