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Welcome

Thank you for attending today's public information event about the proposed bioresource treatment centre at Daldowie. A sludge processing plant has been operating adjacent to Daldowie Wastewater Treatment Works to the east of Glasgow for nearly 25 years. The new centre will replace ageing assets at the site with modern technology designed to treat bioresource from households across Scotland's Central Belt to an extremely high quality standard, as well as accommodating planned growth, greatly improving carbon efficiency and reducing operating costs.

The objectives of today's event are to share information about the proposed development ahead of a planning application being submitted, answer questions, respond to concerns and gather comments that can be considered in further design development.

We want to continue to keep in touch as our plans progress, therefore please visit:

- www.scottishwater.co.uk/In-Your-Area/Investments-in-Your-Area/211124-Daldowie-Bioresources
- Scan the QR Code opposite
- Call our Customer Helpline on 0800 0778778 quoting 532731



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By 2040 and beyond

Scottish Water is responsible for providing water and wastewater services that are essential to everyday life for households and businesses across Scotland. The changing climate however will increasingly threaten its ability to deliver these services. To deal with the climate challenges, and secure the future sustainability of the country's water and wastewater services, Scottish Water is adapting its services and has pledged to reach net zero emissions by 2040.

The existing facility thermally dries bioresource using natural gas. The proposal is to construct an Advanced Anaerobic Digestion plant with a thermal hydrolysis stage to maximise energy recovery.

The produced biogas used to generate electricity via combined heat and power (CHP) engines sufficient to power the full site including the wastewater treatment works (WwTW). Surplus biogas can be upgraded to biomethane for export to the national gas grid. The resulting high quality organic fertiliser product can be removed from site and applied to farmland under licence. This environmental best practice by SEPA.

The existing facility generates around 40,000 tonnes of CO₂ per annum. The proposed bioresource centre will reduce this by around 30,000 tonnes per annum, due to the process adopted. This makes a substantial contribution to net zero ambitions.



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Location

Daldowie Wastewater Treatment Works and sludge treatment facility are located to the east of Glasgow between the M74 and River Clyde. There are locally designated nature conservation sites north and south of the proposed site and the woodland to the north is also designated Ancient Woodland. There are also trees to the east, between the existing training centre and the crematorium.

A key design principle was to minimise incursion into the locally designated sites and minimise tree loss.



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Designated Sites



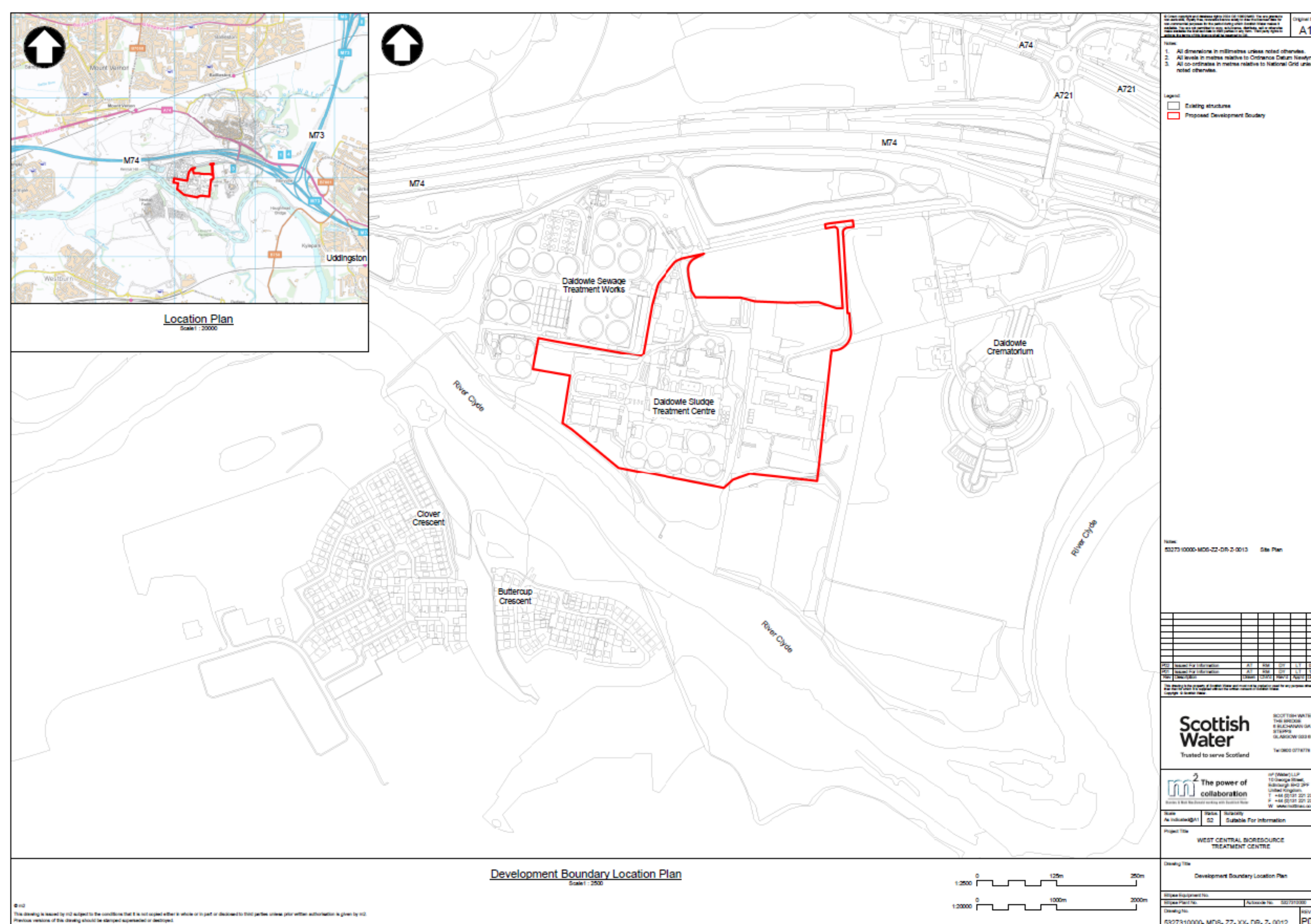
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Scope of works

The proposal is to replace the existing STC with an integrated bioresource treatment centre. An advanced anaerobic digestion plant will be constructed with a thermal hydrolysis stage to maximise energy recovery with the produced biogas used to generate electricity via combined heat and power engines. It is proposed that surplus biogas will be export to the national gas grid and the cake generated will be disposed of to farmland under licence. Additional land will be required from GCC training centre.

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Planning Application Process

A planning application will be submitted to Glasgow City Council (GCC) later in 2026. Due to the size of the site, this is considered a 'Major' application which requires two community events and an extended application determination period.

- Information event 1 - initial opportunity for the public to review and comment on the proposal
- Design development - comments fed into design development
- Information event 2 - feedback from event 1
- Design finalisation
- Submission of planning application to GCC - opportunity for formal representation



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Environmental - Landscape & Visuals

The proposed site is currently well screened by woodland to the north, northeast and south, woodland and landform to the east and the existing treatment facility and wastewater treatment works to the west.

The proposed facility has been designed using a 3D model and views from key locations around the site have been extracted.

There are some distant views towards the site from elevated locations to the south of the River Clyde, one of these is represented on the visualisation below.



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South view of Bioresource facility



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Environmental Impact Assessment

GCC adopted the EIA Screening Opinion that an Environmental Impact Assessment (EIA) was required for the project focussing on potential impacts on the existing woodland. The EIA is underway and will be completed prior to submission of the planning application.

At the core of the EIA is an assessment of potential impacts on the woodland, both in terms of ecology and tree loss. The design approach adopted was to avoid impacts in the first instance by reducing the land take required and maximising use of brownfield land. Where impacts are identified mitigation will be provided.



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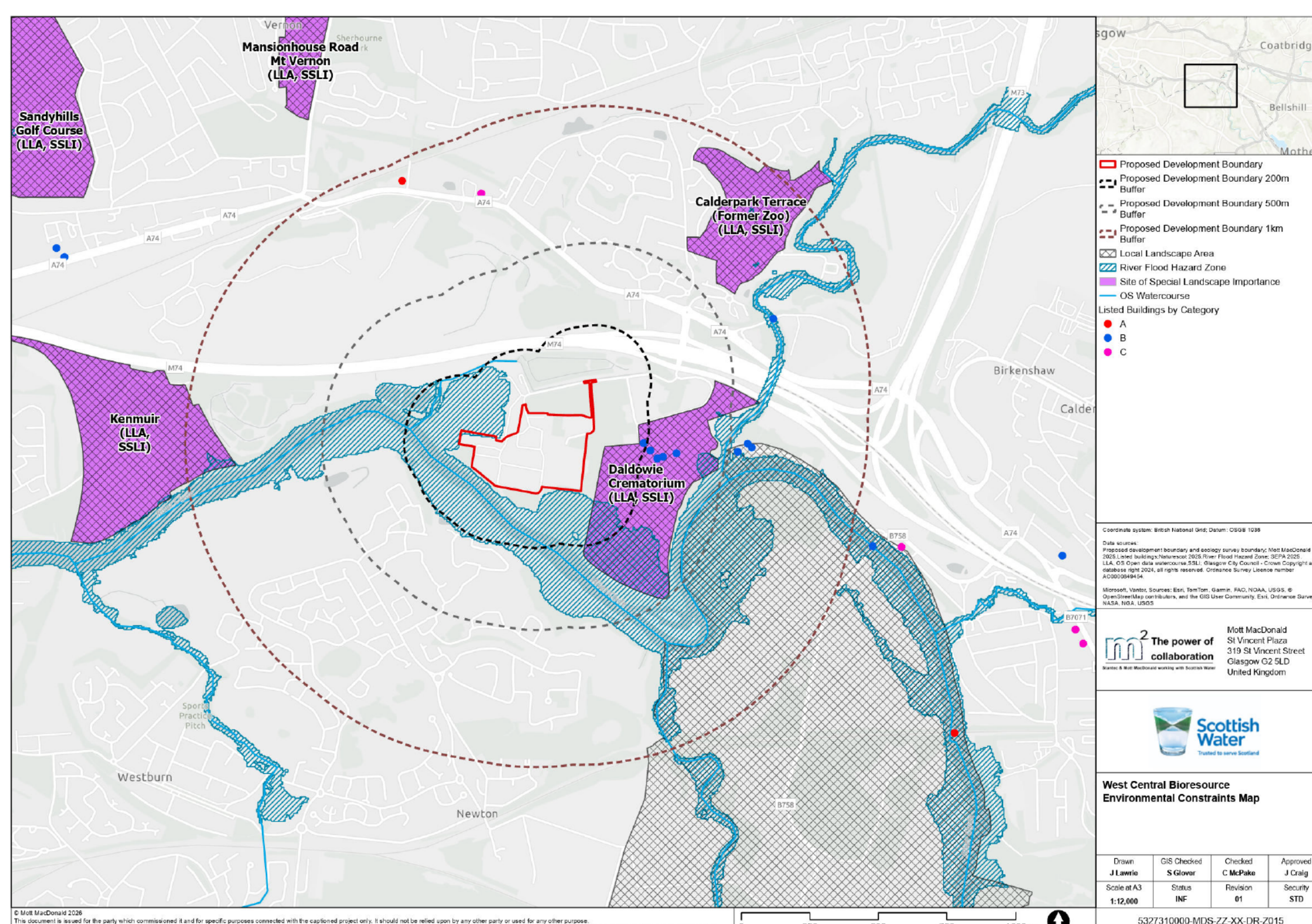


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Environmental - Designated Area

There are no national or international natural heritage designations on the site or in the surrounding area. There are locally designated Sites of Importance to Nature Conservation (SINC) in the immediate vicinity at Daldowie Woods, Daldowie Ponds and The River Clyde, the Crematorium is designated as a Site of Special Landscape Importance and the trees within the Crematorium are subject to a Tree Preservation Order.

The proposed site is not in a Conservation Area and there are no Scheduled Monuments in the vicinity. However, there are category B listed buildings at Daldowie Crematorium and Greyfriars beyond.

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Bioresource facility SSSI/SINC



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Environmental - Ecological Survey

Ecological surveys were undertaken to understand existing habitats, woodland and protected species, and to identify where the proposed development could affect biodiversity. Preliminary Ecological Appraisal (PEA) has been undertaken including site surveys, UK Habitat Classification and assessment of habitats for protected and notable species. Targeted species surveys were undertaken including for Bats, Badger, Breeding birds, Otter, Water vole, amphibians and Invasive Species. The findings of the surveys directly influenced the footprint of the proposed development.

Areas of long established woodland, including woodland listed on the Ancient Woodland Inventory, lie adjacent to the site and a tree survey identified high quality trees, including one veteran tree. The site layout was redesigned to reduce woodland loss and retain important trees. Some tree loss during construction is unavoidable and will be addressed through mitigation and compensatory planting.

Biodiversity enhancement measures are being developed to ensure an overall positive impact on biodiversity within the area.



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Environmental - SEPA Permitting

The proposed development will need to be authorised by SEPA under the Environmental Authorisations (Scotland) Regulations 2018 (EASR). The permit will place conditions on Scottish Water to ensure that the bioresource treatment centre is operated in a way that will protect the environment and human health. These conditions will be based on the requirements of the Industrial Emissions Directive (IED) and to ensure compliance, the site will be designed to achieve Best Available Techniques (BAT), or equivalent, for waste treatment.

When the permit application is submitted, it is likely that SEPA will open a public consultation. Information will be made available on SEPA's Consultation Hub website www.consultation.sepa.org.uk

The application will be supported by the following documentation:

- Environmental Management System Summary
- Site Condition Report
- Air Emissions Risk Assessment
- Odour Risk Assessment & Management Plan
- Noise & Vibration Assessment and Management Plan
- Accident Prevention and Mitigation Plan
- Waste Management Plan
- Energy Efficiency Plan
- Residues Management Plan
- Secondary Containment Assessment
- Leak Detection and Repair (LDAR) Programme)
- Bioaerosol Risk Assessment



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