

Withington Community Hospital: Community Diagnostics Centre

Waste Strategy Report

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DAY

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Scheme Overview / 0.0

Introduction

On behalf of Manchester University NHS Foundation Trust (MFT), this document has been prepared by DAY Architectural to accompany the planning application for the proposed new Cardiorespiratory and other diagnostic facilities, also referred to as the Community Diagnostics Centre (CDC), at Withington Community Hospital.

Overview

DAY Architectural has a detailed and deep understanding of the MFT Estate, and have worked with North Manchester General Hospital, Manchester Royal Infirmary, Wythenshawe Hospital, Trafford General Hospital and Withington Community Hospital on historic and ongoing projects. This appreciation of the wider state Masterplan means that our proposals for the Facility are both considered and creative and allow us to incorporate the standards and principles from similar departments across the MFT network.

DAY and its design partners were appointed by Manchester University NHS FT in Summer 2022 to commence an options appraisal to assess locations for the new CDC Facility. MFT like most NHS Trusts are experiencing pressure and a backlog of patients awaiting diagnostic procedures that this facility will aim to reduce.

Through initial briefing discussions, it became apparent that this location was perfect for the new facility and we have developed the proposals relevant stakeholders such as the Cardiorespiratory and other Clinical Teams, Infection Prevention Control, Health & Safety, Estates and Capital teams.

The proposed new Community Diagnostic Facility will provide a Cardiorespiratory Department at Ground Floor and further diagnostic facilities at First floor and these units aim to support the residents of South Manchester.

The new facility aims to open it's doors in summer 2025.



Legislation & Policy Frameworks

/1.0

1.0 Legislation & Policy Frameworks

Proposal Considerations

Waste generated on this site is governed by a range of legislation including but not limited to:

- The Environmental Protection Act 1990
- The Controlled Waste (England and Wales) Regulations 2012
- The Hazardous Waste (England and Wales) Regulations 2005 (as amended)
- The List of Wastes (England) Regulations 2005
- The Pollution Prevention and Control (Designation of Waste Directive) (England and Wales) Order 2016
- The Waste (England and Wales) Regulations 2011
- The Waste Batteries and Accumulators Regulations 2009
- The Waste Electrical and Electronic Equipment and Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (Amendment) Regulations 2014
- The Waste Electrical and Electronic Equipment Regulations 2013
- The Environmental Permitting (England and Wales) Regulations 2016 (as amended)
- The Control of Asbestos Regulations 2012
- The Controlled Drugs (Supervision of Management and Use) Regulations 2013
- The Human Tissue Act 2004
- The Carriage of Dangerous Goods and Use of Transportable pressure equipment Regulations 2009
- The European agreement concerning the international carriage of dangerous goods (ADR)
- Statutory guidance Waste duty of care: code of practice
- Trade Effluent (Processes and Substances) Regulations 1989, 1990 and 1992.
- Health and Social Care Act 2022
- Control of Substances Hazardous to Health 2002
- Management of Health and Safety at Work Regulations (MHSWR) 1999
- Misuse of Drugs Regulations 2001 (SI 2001 No. 3998)
- Misuse of Drugs (Safe Custody) Regulations 2007 (SI 2007 No.2154)
- Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR)
- Personal Protective Equipment (PPE) Regulations 1992
- Provision and Use of Work Equipment (PUWER) Regulations 1999



Proposed Waste Strategy / 2.0

2.0

Proposed Waste Strategy

Waste Strategy & Forecast

Waste Strategy

After establishing the key accommodation requirements for Cardiorespiratory and an additional department, MFT employs the waste hierarchy to deal with all waste generated on site. Any waste that cannot be prevented is appropriately segregated by clinical and non-clinical staff (depending on which waste stream and where the waste has been generated). Once segregated waste is transferred in Sulo bins (large wheelie bins) or other suitable containment from the point of production to the waste disposal compound by portering and/or domestic staff. Waste is stored in the waste disposal compound prior to collection and consignment by 3rd party suppliers and then disposed of/treated off site.

There is no mixed recycling on site. Waste is either treated as Clinical, General Domestic (which is sorted post collection) or cardboard.

The contractor sorts the waste post-collection. They indicate they recover about one-third of the weight for various recycling streams. The remaining general domestic waste is then incinerated as part of energy recovery (energy from waste).

Waste Management

Waste is managed through the Trust's waste management policy (WM5) and associated SOPs (Standard Operating Procedures).

Waste Storage Requirements

Taking into account the frequency of the current waste collection by a third party, the proposal would require the following:

- 3no. 1100 litre General Domestic Wheelie Bins
- 2no. 1100 litre Cardboard Wheelie Bins
- 2no. 770 litre Clinical Waste Bins

The required waste compound is shown on the next page which would house all of the above.

An internal hold has also been identified where waste will be accumulated as it is filled by domestic and clinical staff. Waste will then be safely transported by the porters to the compound and placed in the relevant bins for emptying by the contractor.

Waste Forecast

The proposed departments within the new building will generate approx, 10 tonnes of waste a year.

Provisions will need to be made for waste chemicals from the Endoscopy Unit.



2.0 Proposed Waste Strategy

Proposed Waste Management Plan

Waste Management

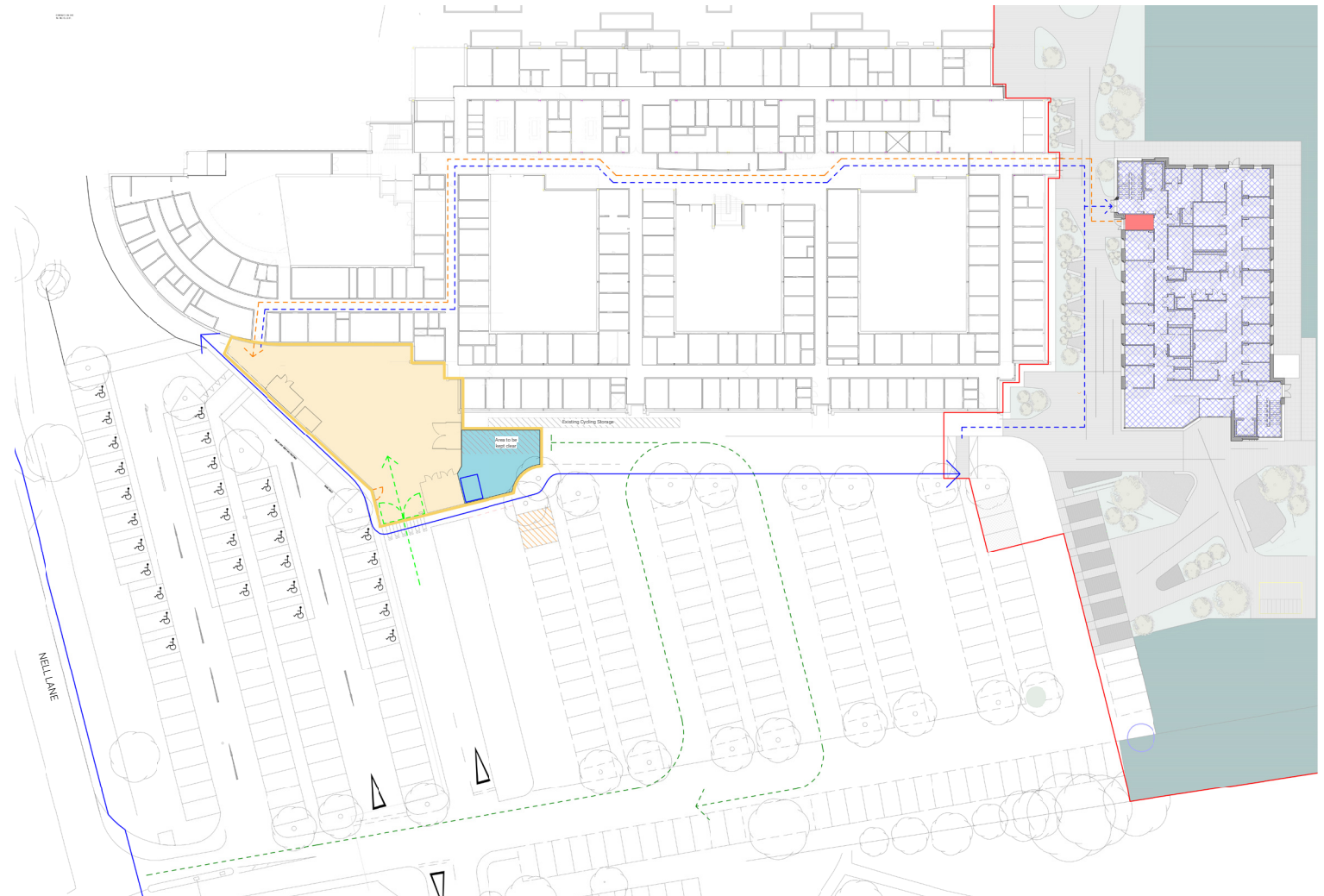
The current hospital operates out of one central waste compound situated on the North East end of the hospital.

The compound can be accessed directly from the hospital for waste collection as well as easily accessed by third parties for waste disposal.

The proposed management strategy will be an 'extension' to the existing to include the new departments situated within the proposed building. This would be transferred via the main hospital street to the compound from the disposal hold int he proposed building.

SITE LOGISTICS KEY

-  Existing Waste Compound
-  Proposed Waste Compound (225m² -Tarmac)
-  WEEE Waste Pod (12 ft) with a ramp (manufacturer to recommend required plinth/base conditions)
-  Disposal Hold located on the GF to create a place to store waste before it is collected from the building.
-  Proposed building footprint
-  Parking spaces lost - to be hatched out for no parking to allow for vehicles to turn around
-  Removal of waste from the proposed building.
-  Delivery of equipment and other goods.
-  Timber Fence & Pedestrian Gate (2m high)
-  Automatic Gate & Vehicle Access for service vehicles
-  Introduced Kerb line for pedestrian traffic
-  Service Vehicle Route (Trust to advise on vehicle type)
-  Pedestrian Route to CDC



2.0

Proposed Waste Strategy

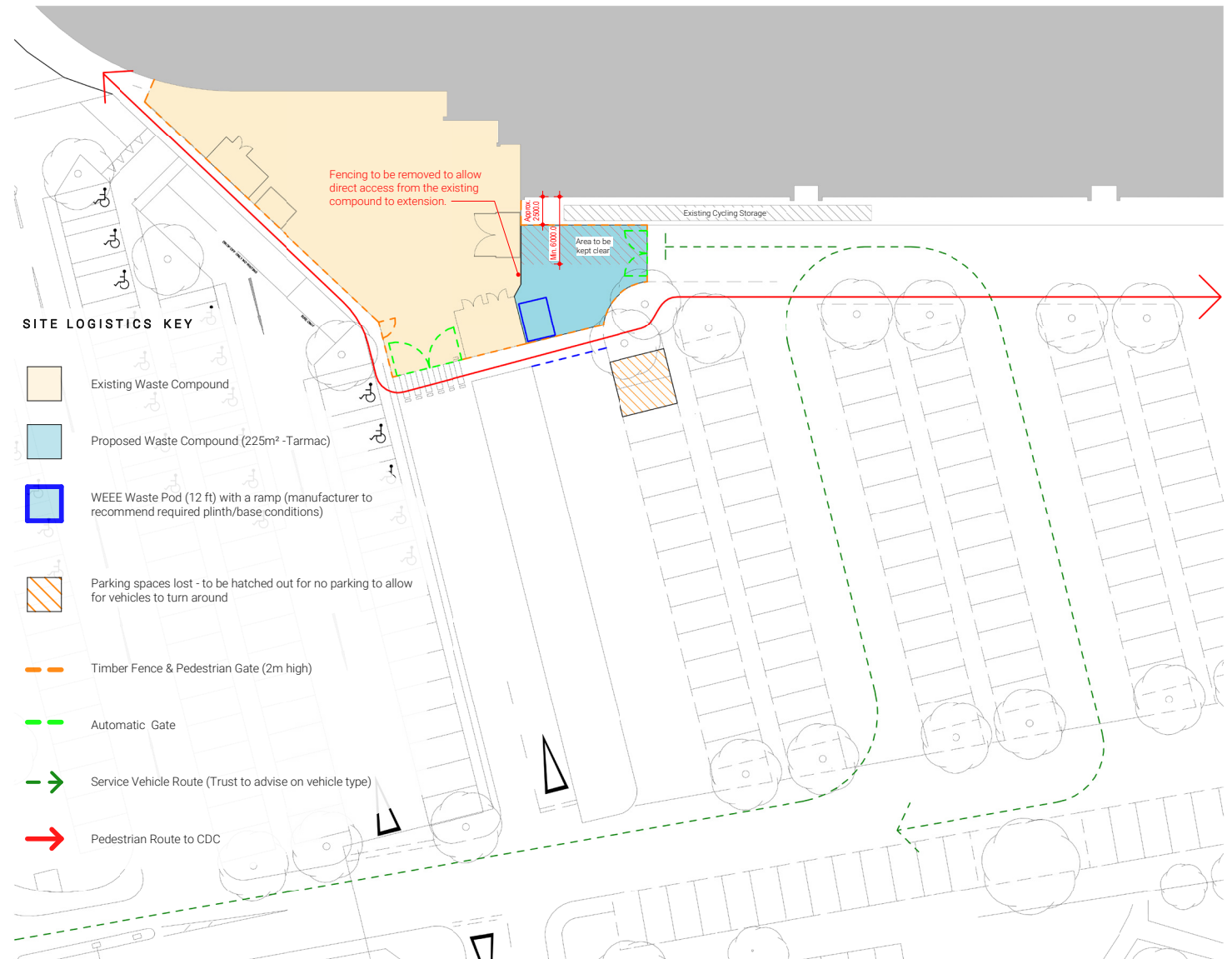
Proposed Waste Compound Extension

Waste Compound

The current compound would be 'upgraded' to ensure safety and management improvements and the extension would help with the capacity of storage of large bins.

The maintenance or collection strategy would remain as existing, but the extension would include additional gates to allow for smaller collections or drop offs should they be required.

As a result of the additional waste facilities required to support the CDC hub, the existing waste compound is required to be extended. This will be achieved through extending the existing fencing around the compound to enclose an additional area to the south which currently comprises part of the internal road network around the car park. No other works are required to enable the extension of the waste compound, as such the erection of the fencing comprises permitted development in accordance with Schedule 2, Part 2, Class A of The Town and Country Planning (General Permitted Development Order) (England) Order 2015 (as amended). Therefore, the extension to the waste compound is not required to be included within the redline boundary of the proposed development.



Appendices / 3.0

Appendix E Proforma for Planning Applications



**MANCHESTER
CITY COUNCIL**

Planning Application – Waste Management Strategy

Planning Application Number:

Date Submitted:

Estimated volumes/ m² required by the development

Low Rise Domestic

Waste Types	Capacity Required (litres)	Number of bins required per household	Confirm what is to be provided
General refuse	140 / 240	1 x wheeled bin	N/A
Pulpable Recycling	140 / 240	1 x wheeled bin	N/A
Mixed Recycling	140 / 240	1 x wheeled bin	N/A
Garden Waste	140 / 240	1 x wheeled bin	N/A
Food Waste	23	1 x 23 litre caddy	N/A

High Rise Apartment Developments

	Yes/No - how much space has been provided?
0.43m ² has been provided per apartment for the container space. Space to manoeuvre and access containers individually has also been provided so that each container can be accessed and removed for collection individually.	N/A

Commercial Developments

Please state number of bins you propose, showing calculations where appropriate.

General Waste - 3no. 1100 litre General Domestic Wheelie Bins
Pulpable Recycling - 2no. 1100 litre Cardboard Wheelie Bins
Mixed Recycling - Please refer to Waste Strategy Report for further details.
Food Waste - N/A
Industrial Waste - 2no. 700 litre Clinical Wheelie Bins

Has / will a contract be obtained with a licenced waste carrier?	☒
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Mixed Use Developments

Are the stores for residential and commercial separate from each other?	☐
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Internal Stores (Residential and Commercial)

Please provide details of internal stores / segregation of waste and recycling.

Please refer to drawing WCHCDC-DAY-V1-00-DR-A-040006 identifying the extent of Trust's waste compound area and internal disposal hold.

Storage Areas for Waste Containers (Residential and Commercial)

Please provide details of container stores, attaching plans if appropriate.

Please refer to drawing WCHCDC-DAY-V1-00-DR-A-040006 identifying the extent of proposed extension to the South West of the existing waste compound area.

A proposed storage POD is highlighted on the above mentioned plan for WEEE (Waste Electrical and Electronic Equipment) and wheelie bins would be managed locally by the waste management team, but will be required to maintain a 6 meter distance from the existing building. All storage waste containers will be lockable to comply with the Trust's security and fire management policies.

Ensure all bins in the store are accessible	☒
Ensure recycling facilities are as easy to access as general refuse	☒

Please confirm details of waste store ventilation and hygiene / cleaning proposals

Ventilation - All storage is external and therefore naturally ventilated.

Hygiene - The waste store will adhere to hygiene protocols as identified in the Trust's operational and management policies.

Please provide details of who will be responsible for placing the bins at the collection point and returning them to the store / property promptly e.g. resident / management company

Manchester University NHS Foundation Trust's facilities management teams.

Please ensure that you have attached:

Detailed plans of waste stores	☒
Location plans showing stores	☒
Location plans showing the proposed collection point and the route the collection vehicle will take	☒

Please ensure that you have completed this form in accordance with our GD04 Waste Storage and Collection Guidance for New Developments



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