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MS 1.5a.iii - *Mitigation, remediation, earthworks and Site levels*

a) *Beddington Lane Site*

b) *Villiers Road Site*

MS 1.5a.iv - *Buildings to be demolished*

a) *Beddington Lane Site*

At the northern end of the Beddington Lane Site there is a composting facility (the DANO Drum facility) which will be demolished in order to facilitate the Key Facility Works. To the south of that building, a facility operates to segregate and recycle skip waste. This facility has a concrete hardstand apron and concrete push walls. This facility will be demolished and the area cleared of push walls. An in-vessel composting (IVC) facility is located on the western side of the development area. This facility will be reconfigured, to facilitate continued operation and construction of the Key Facility Works. The in-vessel composting IVC product storage hall will be demolished and final product storage removed from the Beddington Lane Site. The IVC reception and shredding area will be relocated in the outdoor area

previously used for maturation. Maturation will be undertaken within the tunnel facilities. The existing haulage route and hardstanding areas will be broken out as necessary for the construction of foundations, services and new hardstanding and landscaping areas.

Accommodation requirements are to be rationalised as part of the ongoing design works. This will result in demolition of the current single storey administration facility. Personnel and administration facilities will be relocated to the Key Facility's education/administration building.

These works are phased into the overall works delivery programme which is discussed in Method Statement 2.

b) Villiers Road Site

The existing weighbridge, weighbridge office and Waste Transfer Station are to be refurbished under this Contract and no existing structures or facilities will be demolished. A programme of works for these activities is given in the works delivery programme which is discussed in Method Statement 2.

MS 1.5a.v - *Provision made for Geo-Environmental Surveys and contamination remediation*

a) Beddington Lane Site

The Contractor is taking all site risks related to ground conditions and contamination at the Beddington Lane Site.

b) Villiers Road Site

Given that the Contractor will only refurbish the Waste Transfer Station at the Villiers Road Site, no allowance has been made for any further geo-environmental investigation or contamination remediation costs.

MS 1.5b - *Utilities*

The Waste Transfer Station at the Villiers Road Site will be refurbished, but will otherwise remain and operate the same. For this reason the Contractor has assumed that no utility provision will be necessary at the Villiers Road Site.

A full statutory services search has been completed for the Beddington Lane Site. The results of the search can be provided, if required.

Given the nature of the works proposed at the Villiers Road Site, the following sections are limited to the Beddington Lane Site.

MS 1.5b.i - *Drainage and sewers*

Water will be discharged through a petrol interceptor and an attenuation pond.

Pre-development enquiries for the site services will be maintained by the Contractor throughout the design development period, until a formal connection application is submitted. The risk of service connection costs will be borne by the Contractor.

Foul water drainage will be required from the administration building, control room, workshop area, gully waste facility, tipping hall and the weighbridge office. This drainage can be connected to the existing foul drainage system.

Trade effluent will be produced as a result of waste storage, vehicle and floor wash-down within the Beddington Lane Site. Such trade effluent will be discharged to the process water settlement pit. Water from this pit will be used for ash quenching. Any water surplus to requirements will be removed from the Beddington Lane Site using a bowser.

MS 1.5b.ii - *Water supply*

The Key Facility will be connected to the existing water supply from Beddington Lane. The main meter and a class 4 compliant whole site potable water protection system will be installed at the Beddington lane Site entrance. Water resources will be protected by the provision of backflow protection for the potable supplies as the site risk category is Fluid Category 5. The incoming water supply will be separated into industrial water, fire-fighting water and potable water. Industrial and fire-fighting water supplies will be boosted on-site to ensure adequate pressure is maintained in the systems.

MS 1.5b.iii - *Gas connection*

An additional gas supply will not be required for development of the Key Facility or Waste Transfer Station. For this reason no provision has been made for supply of gas to the Sites.

MS 1.5b.iv - *Telecommunications and data systems*

The existing office block and landfill gas plant (approximately 100m to the south-east of the Beddington Lane Site) are currently supplied by telecommunications cables, from which the telecommunications supply to the Key Facility will be sourced.

The telecommunication systems provided will comprise telephone connections, internet connections, CCTV and signal cables for the fire alarm. Such systems shall connect back to the weighbridge office. The telecommunications cables will be distributed throughout the Beddington Lane Site via a network of ducts between buildings and housed within conduit inside the buildings.

Internet and telephone connections will be provided to the weighbridge office, control room and administration block. Fire alarm cables will run from the weighbridge office to the administration block, control room and the Key Facility building.

MS 1.5b.v - Delivery of utility connections

Valid pre-development enquiries will be maintained during planning and the Works Period until such time as the connection application is made.

Further works that are required to obtain a connection to the electricity grid will be commenced in line with the Construction Programme (in Method Statement 2) to ensure that a connection is in place in time for the commissioning of the Key Facility. It is the Construction Sub-Contractor's responsibility and risk to procure all utility connections.

MS 1.5b.vi - Utility wayleaves and consents

A gas main and two pumping mains run across the southern boundary of the development area. Wayleaves for these services will be accommodated by the Beddington Lane Site layout design. Existing services within the Beddington Lane Site boundary serve the DANO Drum facility, the IVC facility and the adjacent skip waste processing area. Redundant services will be decommissioned as part of the demolition of the above structures. Services for the IVC will be retained and protected during the Works Period.

MS 1.5b.vii - Lead-in time for provision of Utilities

All service connections to the Beddington Lane Site, with the exception of the grid connection, are considered to be readily available without significant lead-in provision. Further Works that are required to obtain a connection to the electricity grid will be commenced in line with the Construction Programme (in Method Statement 2) to ensure that a connection is in place in time for the commissioning of the Key Facility.

A temporary electricity supply covering the Works Period can be readily obtained. As such, this connection will not impact on the Planned Works Commencement Date.

MS 1.5c - Other Works

MS 1.5c.i - Villiers Road Site Waste Transfer Station

In order to complete the refurbishment of the Waste Transfer Station, current operations will have to be managed to enable the Works to be undertaken. 6 Months prior to commencing of the refurbishment work, discussion will be held with the Authority regarding methods implemented to:

- Manage the continued operation of the HRRC during refurbishment of the Waste Transfer Station, including any necessary temporary restrictions on HRRC operation; and
- Manage the transition of the Waste Transfer Station from the incumbent contractor to the Contractor.

The Contractor will be responsible for

- Any necessary postponement of existing trade waste operations in the facility; and
- Manage the continued operation of the Waste Transfer Station during facility refurbishment, including any necessary temporary restrictions on operations of the facility.

No other enabling works are considered necessary prior to commencement of refurbishment works.

MS 1.5c.ii - Beddington Lane Site Key Facility

The Key Facility is designed to be combined heat and power (CHP) ready. Enabling works for the future installation of a CHP system will include;

- Construction of the CHP plant room.
- Installation of suitable steam extraction points on the turbine and steam pipe line from the boilers.
- An option for the installation of heat distribution pipework, from the CHP plant room to two locations on the site boundary. One termination point will be in the direction of Beddington Lane. The other will be at the boundary with the landfill gas engine compound. Two future supply points are to be provided to maintain maximum flexibility for future offtake.

Any future development of CHP network on the Beddington Lane Site will not adversely impact on the delivery of Contract Waste at the Beddington Lane Site (excluding off site works).