

Subject:

FW: SCHEDULE OF WORKS: PERMANENT CAPPING & RESTORATION Site:
Broomfield (Darcys Place) Church lane , Wormley , Broxbourne Herts.

From: John Croke <[REDACTED]>

Sent: 07 February 2026 12:05

To: Simon Barrister Bell <[REDACTED]>; KT <[REDACTED]>; Laura White
<[REDACTED]>

Subject: Fwd: SCHEDULE OF WORKS: PERMANENT CAPPING & RESTORATION Site: Broomfield (Darcys Place)
Church lane , Wormley , Broxbourne Herts.

From: John Croke <[REDACTED]>

Date: 7 February 2026 at 10:31:39 GMT

To: [REDACTED], [REDACTED]

Cc: [REDACTED]

Subject: SCHEDULE OF WORKS: PERMANENT CAPPING & RESTORATION Site:
Broomfield (Darcys Place) Church lane , Wormley , Broxbourne Herts.

Legislative Context: Environment Act 1995 (Schedule 13) & EPA 1990 (Part 2A) Technical Standard: DEFRA / Environment Agency LFTGN 03 & BS3882:2015

1. Objective

To provide a final, engineered capping solution for a historic landfill site (pre-1984) containing inert and skip-waste materials. The works are designed to fulfill the statutory requirements for the restoration of a "Dormant" mineral site

and to mitigate potential pollutant linkages as defined under Part 2A of the Environmental Protection Act 1990.

2. Preparatory Works

- Site Clearance: Removal of any surface debris and intrusive vegetation that has self-seeded through the existing failing cap.**
- Regrading: The surface of the inert fill shall be regraded to ensure a minimum fall of 1:20 to 1:30 to prevent the ponding of surface water (as per DEFRA reclamation standards).**

3. The Capping System (Engineered Barrier)

To ensure maximum containment and prevent rainwater infiltration into the historic skip waste, a high-specification mineral cap shall be installed:

- Compacted Clay/Mineral Layer: A minimum of 900mm of engineered, low-permeability cohesive material (clay).**
- Installation Method: The clay shall be placed and compacted in "lifts" of no more than 150mm–225mm to ensure a uniform density and a permeability coefficient (k) typically required to be less than 1×10^{-9} m/s.**

4. Restoration & Growing Media (The "Soil Profile")

Following the installation of the 900mm barrier, a soil profile shall be reinstated in accordance with the DEFRA Code of Practice for the Sustainable Use of Soils:

- Subsoil Layer: 450mm to 600mm of clean, permeable subsoil to provide a drainage medium and protect the 900mm engineered clay cap from root penetration or desiccation (cracking).**
- Topsoil Layer: 150mm to 300mm of topsoil conforming to BS3882:2015. This shall be "loose-laid" to avoid compaction and ensure successful vegetation growth.**

5. Gas & Leachate Management

- Passive Venting: Given the inert/skip waste profile, passive vent trenches or "gas flaps" may be installed at the perimeter if trace Hydrogen Sulphide (H_2S) is detected, in line with EA LFTGN 03 guidance.**
- Surface Water Drainage: A perimeter "cutoff drain" shall be installed to intercept clean surface runoff from the new cap and divert it away from the waste body.**

6. Aftercare and Completion

- Seeding: The site shall be seeded with a deep-rooting grass mix to stabilize the soil.**
- Certification: On completion, a Validation Report shall be submitted to the Council confirming that the "modern conditions"**

have been met and the site is no longer an environmental liability.

Best Regards.

John Croke