

Project Ref: 308-05

14/01/25



ALFRED H KNIGHT

DESIGN & ACCESS STATEMENT

LABORATORY PROCESS WASTE TREATMENT CONTAINER

APPLICANT: Ian McGuirk - Alfred H Knight Ltd

ADDRESS: 1A Villiers Court
Villiers Road
Knowsley Business Park
Prescot
Knowsley L34 9ET

AGENT: Callum Mulvey - Mersey Design Group Ltd



Brief

The Alfred H Knight Group provide services to the global mining, refining industry and commodities market in the sampling and analysis of metalliferous commodities to enable trade. The AHK Group has operations around the world; with its Head Office and main laboratory facilities based at the Kings Business Park, Prescot L34 1PJ. The laboratory estate also encompasses 3 other satellite Laboratory operations in proximity to the Kings Business Park: including the site at Villiers Road, Knowsley Business Park.

Information to Accompany the Application

Document Reference	Description	Author
AL(E)01	Site Ground Plan, Existing	MDG
AL(2)01	Site Ground Plan, Proposed	MDG
AL(2)02	South Elevation, Existing / Proposed	MDG
AL(2)03	West Elevation, Existing / Proposed	MDG
AL(9)01	Location Plan	MDG
Small Sites Metric Calculation Tool (Biodiversity Metric 4.0).xlsx		MDG
Design and Access Statement.pdf		MDG

Site Surroundings



Note: the shown positions are diagrammatic only. For exact positions, see drawings.



Site Imagery



Note: the shown positions are diagrammatic only. For exact positions, see drawings.



Proposed Works

The project brief is the installation of one steel container unit, with associated plant. This will be used to house equipment to partially treat liquid waste generated by the daily laboratory processes.

Currently this waste, untreated, is piped into two external storage intermediate bulk containers. The waste is then periodically pumped, into tankers, and taken away by road for professional treatment and disposal by licenced specialist treatment providers.

Disposal of this waste is becoming increasingly difficult, with fewer treatment sites available, or willing to accept. This, on occasion, has presented a business operational continuity risk to AHK given the maximum storage capacity of the site, while considering Health & Safety and environmental considerations.

The project will see equipment installed at the site to facilitate the partial treatment of liquid waste, including pH correction. This will significantly improve the waste composition; rendering it easier for treatment works to accept, treat and dispose.

To facilitate the new enclosure, it will be necessary to relocate and extend some of the existing fencing within the site, as well as relocating the access gates to the rear service yard.

