

 LORIEN ENGINEERING SOLUTIONS <small>- part of the NIRAS Group</small>	HEINEKEN, MANCHESTER		DOC. CODE	6299_390902
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Design & Access Statement

For

Proposed Replacement of 2no Mash Conversion Vessels and 1no New Cereal Cooker

At

Heineken, Manchester Brewery

Project ID: 6299

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Design & Access Statement

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Design and Access Statement

For

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1	23/02/2024	389963	Initial Issue	NA
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1.0 INTRODUCTION

This Design & Access Statement relates to the replacement of two existing Mash Conversion Vessels within the existing Brewhouse at the Heineken Brewery on Denmark Road, Manchester within the Hulme Ward. Along with the replacement of the existing vessels there will be the introduction of a new Cereal Cooker at the same time.

To replace the existing vessels and introduce the new, part of the existing Brewhouse flat roof will have to be removed and subsequently replaced with new. The existing vessels will be lifted out and the new vessels ingressed by crane.

2.0 USE

Existing Site

The site is located within the Hulme Ward to the south of Manchester City Centre and extends to circa 7.5 hectares. It is bounded by Moss Lane East to its South, Princess Road to the West, Greenhays Lane to the North and Charles Halle Road/Denmark Road to the East. The site is accessed off Denmark Road.

The site is the long established Heineken Brewery and is used for Brewing along with its associated Packaging and has grown progressively over many years. It is located generally within an urban area comprising a mixture of Industrial, Retail, Commercial and Residential uses.

This development is located in the South-West corner of the site adjacent the traffic lights where Moss Lane East meets Princess Road (see image below).

Surround Area

To the North of the site is a residential development with a Mosque to the North-East. To the East is the Greenhays Police Station which borders the site along with further residential development and slightly further afield the Webster Primary School. Immediately to the South of the site is open land then further residential properties along with community buildings. To the West on the other side of the Princess Road is a retail development including a large Asda Superstore.

Access to the site is off Denmark Road to the East via the current Security Building.



Plan indicating the location of the works.

3.0 PROPOSED DEVELOPMENT

The existing Mash Conversion Vessels were installed in the mid-1970's when the Brewhouse was constructed. These vessels are now approaching 50 years old and are now encountering problems. The vessels themselves have now become uneconomical as technology has developed whilst they have passed their original intend working life and are now in constant need of repair. Heineken are, therefore, looking to replace these with new vessels which embrace new technology developed within the brewing industry over subsequent years since the original installation along with looking for more economical and eco-friendly ways of producing their beverages.

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Overall, the new vessels will be smaller in volume and diameter than the original vessels which has freed up additional room for the installation of a new Cereal Cooker which will be sat between the new MCV's.

4.0 GENERAL OVERVIEW OF WORKS

The installation of these new vessels creates no additional new floor space. The three new vessels will occupy the space within the Brewhouse where the existing vessels sit.

The existing flat roof to the Brewhouse will be removed in part and the existing MCV1 will be lifted out whole via a crane sat on Moss Lane East. The following day the new MCV1 will be lowered into the Brewhouse via the same crane and a temporary roof covering installed to the building. These works will require a temporary closure of Moss Lane East for a two-day period over a weekend commencing 12 midnight on Friday through to 12 midnight on Sunday. The proposed road closure has already been discussed in principle with Manchester City Council. Separate application will be submitted in due course when finalised dates have been agreed.

The same process will be undertaken for the removal of the existing MCV2 and installation of the new vessel. This will take place some 8 to 10 weeks after the first vessel installation. Finally, the new Cereal Cooker will be installed, again some 8-10 weeks after the second MCV installation. Once all the new vessels have been installed the removed flat roof section of the Brewhouse roof will be reinstated permanently with a thicker layer of insulation board introduced to meet current U-values as designated by the Building Regulations.

There is an existing screen on the roof of the Brewhouse which will be removed for the duration of the works and reinstalled once the new roof has been completed. There is also a disused feed conveyor in the area which will be removed.

There are a couple of existing flues, one off each existing Mash Conversion Vessel which pass through the existing roof discharging waste steam into the atmosphere. These will be replicated in the new installation alongside an additional flue from the Cereal Cooker. As indicated above these are to remove steam to atmosphere during the brewing process. The steam currently produced and that in the proposed development is purely clean water vapour. There is **no** colour or taint to this vapour, whilst with the new technology now in place this will be significantly less than the current emissions.

5.0 APPEARANCE

The overall view of the site will be unaffected after the new installation is completed. As indicated above this is an application to change two existing internal vessels for three new more efficient vessels. The only additional is the requirement for an additional flue to the new Cereal Cooker. As with the existing flues this will be hidden behind the existing screen on the roof of the building and will not be visible to the general public in any way.



Photograph of the existing flues from the adjacent roof showing the existing screening which will be retained.

6.0 ACCESS

The existing site access off Denmark Road will be unaffected by these proposed works.

7.0 ADDITIONAL REQUIREMENTS

Ecological Report – Internal alteration only to accommodate new vessels – no report required.

Flood Risk Assessment – Refer to attached Flood Risk Assessment document.

Landscaping – Internal alterations only to accommodate new vessels, however, the external area adjacent the Brewhouse will be used to store the vessels prior to installation. There are a number of trees and bushes adjacent to this area along the side of Moss Lane East and these will be temporarily fenced off and protected whilst works are undertaken to ensure there is no damage to these. Fencing will consist of Heras type panels and associated bases erected at least 3m from any existing planted areas.