

Project: CCE Sidcup CHP Project, Coca Cola Enterprises Limited, Cray Road, Sidcup DA14 5DF

FLOOD RISK ASSESSMENT:

Proposed installation of new CO2 tanks and water treatment plant.

20th October 2021

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Project Number:

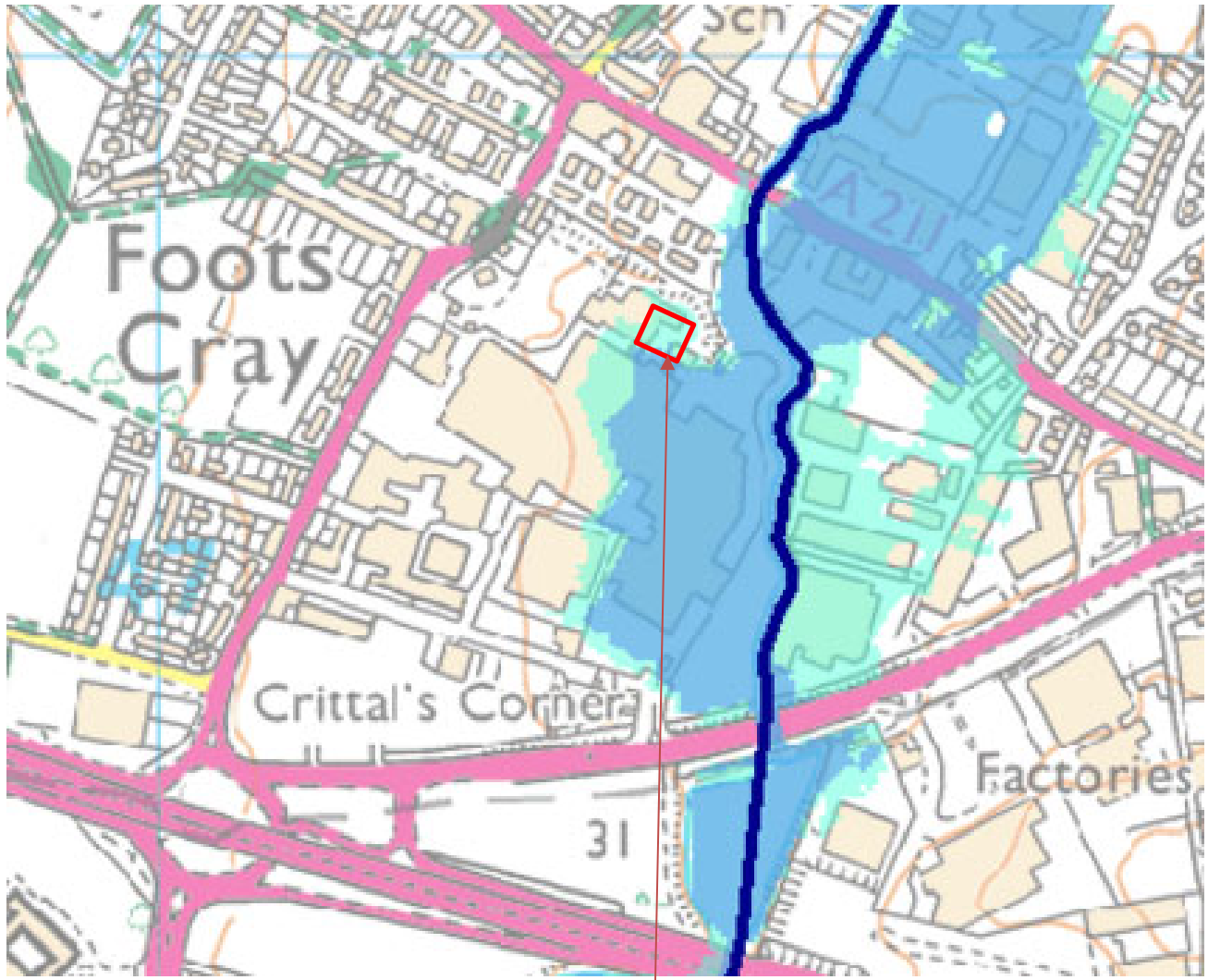
Revision: A10906

1. Introduction

- 1.1 The site address is CCE, Cray Road Sidcup, DA14 5DF
- 1.2 Strictly Structural Engineering Ltd have been appointed to provide a Flood Risk Assessment (FRA) to accompany the Planning Application for the installation of new plant and equipment to facilitate operations and increase productivity of soft drink production and distribution facility in Sidcup.

2. Flood Risk Assessment

- 2.1 The proposed development is to install 2 number CO2 storage tanks on an existing hardstanding area currently used for a portacabin office and to extend the existing water treatment roof of the main production building.
- 2.2 Guidance advises that the planning system should ensure that new development is safe and not exposed to unnecessary flooding by considering flood risk.
- 2.3 Guidance advises that the Environment Agency's indicative Flood Plain Maps represent the best available current information on the extent of flood risk, but notes that these are only indicative and is based on the approximate event of floods with a 1% annual probability of flood occurrence for rivers.
- 2.4 According to the Environment Agency's Flood Plain Maps the site is partially in Flood Zone 2 and 3. The siting of the plant is within Flood Zone 2 and the area did not become at risk during the recent floods of 2007 - although other parts of the site have flooded in the past 30 years, this has not extended to the area where the plant is to be located.



1.1 Environment Agency Flood Plan: Location of Proposed Plant and Building Extension.

3.0 Conclusion and Recommendation

- 3.1 The FRA confirms that the proposed development is in a flood Zone 2, where there is a moderate risk of flooding.
- 3.2 There has been no flooding in this particular area in the past. And as the site use is commercial, it is classified under the National Policy Framework as less vulnerable to flooding. Therefore, no additional measures are required. However, all new plant will be sited on concrete plinths and raised above ground level by a minimum 200mm.