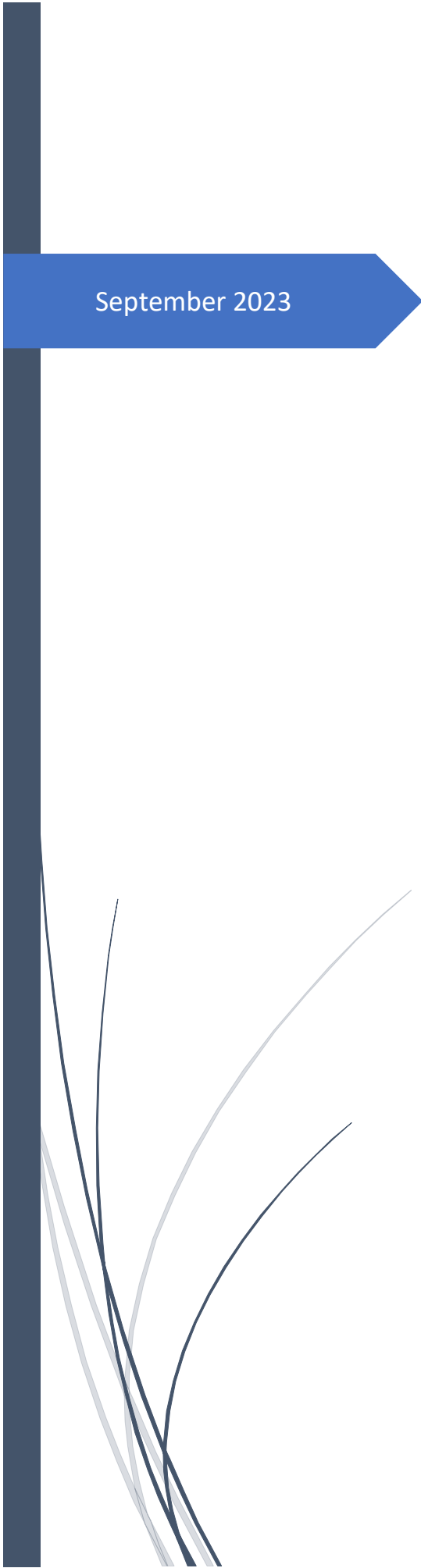




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B1339 Weardale Road bridge replacement scheme

Flood Risk Assessment (FRA) for
proposed location of site compound

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Introduction

Weardale Road bridge is a single span structure crossing the Monks Brook in Chandlers Ford, Hampshire.

The existing bridge (see Figure 1) is in deteriorating condition and needs to be replaced in order to maintain the highway at this location.



Figure 1: Existing bridge

The project is currently planned to start in March 2024. The construction is expected to last around 9-10 months.

During this work, the Contractor requires a site compound. Due to the very limited space on site, Hampshire County Council (HCC) has agreement from Hampshire and Isle of Wight Fire Service to utilise some green space in Steele Close opposite the fire station.

This FRA has been produced to consider the risks associated with the compound location.

Risks of carrying out the proposed activity

The main risk of the compound location is the installation of temporary offices on a site which is located in flood zone 3. The site under consideration is shown in Figure 2 below. Other risks have been considered within the sections below.



Figure 2: Image of the site on Steele Close

Weardale Bridge Deck Replacement Site compound proposal

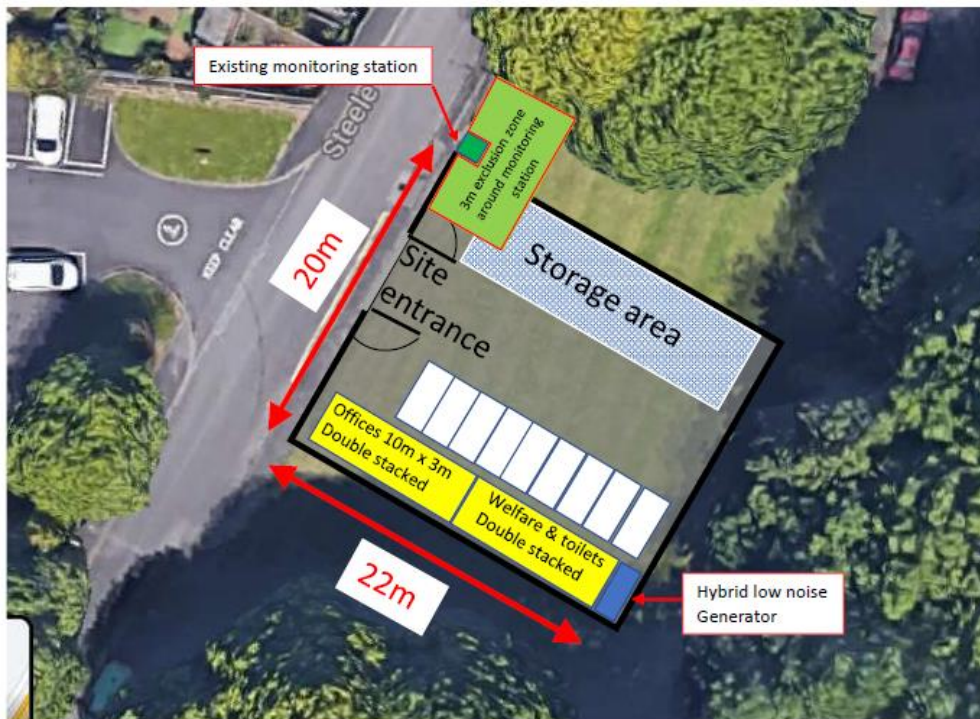


Figure 3: Plan view of the proposed compound layout

Creating or worsening flood risk or impeding drainage

The proposed compound will not worsen flood risk or impede drainage at this location. This document shall be read in conjunction with drawing CJ253013-ECS-SBR-B1339-DE-S-1715 which gives further information regarding the compound arrangement and usage.

Disturbing or undermining the stability of a bank

This is not applicable to this scenario.

Damaging structural integrity or performance

i.e. flood defence structures, river control works, land drainage works, sea defences, remote defences

There are no elements present on or near site that will be affected by the proposed compound.

Damaging habitats and species

The proposed compound will not cause any loss or damage to surrounding habitats or species.

Receptors

There are several receptors that are at potential risk from the site compound. These include the following:

- The adjacent highway – Steele Close
- The residential properties along Steele Close

Planning Permission

HCC have submitted a Planning Application to Eastleigh Borough Council with regard to the proposed site compound as it represents a change of land use for the duration of the works.

Risk Assessment – Summary Table

The risks discussed in this report have been tabulated below for easy reference.

Hazard	Receptor	Pathway	Probability of exposure	Consequence	Severity	Mitigation
Additional flooding due to site compound	Steele Close and adjacent land	Overland flow from river	Low	Flooding of road and property	Medium/High	Compound area shall be treated with terram geogrid which is permeable

Appendix A – Flood Zone map

