

Project Description Statement Report

Coordination and Maintenance Unit

Description: Project Description Statement Report for proposed soakaways for flood relief purposes.

Location: Haz-Zebbug

Version	Date	Comments
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Site and Project Description

Site 01.

The site is listed as an agricultural area at Triq Wied is-Sewda, Haz-Zebbug. The site is located at the south of Malta and encounters light traffic load.

Aim of Project & Justification - A description of the aspects of the environment likely to be affected by the project.

The aim of this project is to provide a sustainable process to ease localized flooding through a natural infiltration system into the ground. The scope for this project is to address run-off caused by heavy rainfall, which is causing damage to public property as can be seen in the attached image below.



Site Operation & Organisation.

Proposed work is within the extents marked in red in Figure 1. Road works are to be carried out with full road closures and in phases according to the approved traffic management plan.

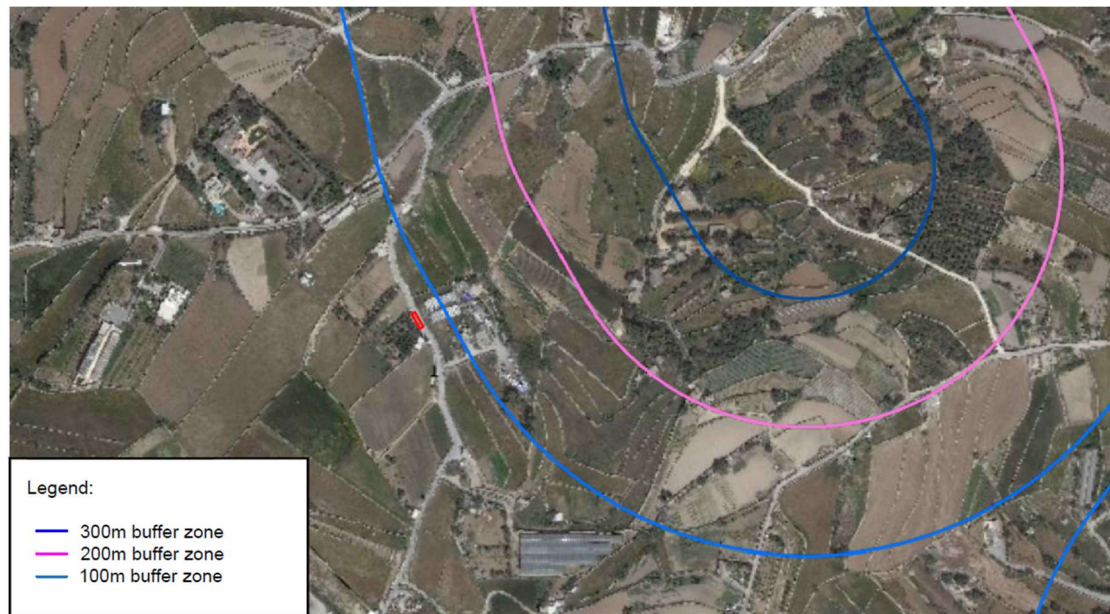


Figure 1 – Site Extents

Logistics

Timeframes

The work is thought to take circa 1 week. Works on site will be carried out between 7:00am and 6pm. No works is envisaged to be carried out on Sundays and public holidays.

The table below provides a general overview of the planned program of works.

Action	Duration in days
Site Mobilization	1Day
Coring by piler	1 Day
Formation of manhole	2 Days
Cleaning & Demobilization	1 Days

Table above assumes that ground conditions is good for construction works to be carried out.

Plant & Materials to be used and stored on site

It is earmarked that the following plant will need to be deployed on site: Tipper Truck, Concrete Mixer, Concrete Pump, Excavator, Jigger, Sawcut, Pneumatic/Hydraulic Tools, Piler and Utility Van.

The material excavated will be carted away immediately and disposed of at an approved site.

Personnel on site

It is envisaged that the contractor will have circa 4 workers on site at any one time. The number of workers may change depending on the type of work being executed.

Methodology

Site Preparation

The contractor will be responsible to temporary hoard the site and render the area safe for operational purposes. Hoarding will be temporary and will be done depending on the area in consideration.

The main tasks earmarked for the works are listed hereunder.

1. Piling for core

Works are to commence by using a piler, for coring up to depths specified in drawings attached in annex A. A reinforced fiber glass sleeve shall be embedded approximately at 10m depth from manhole chamber bottom, to contain the ground and avoid water seepage in the top ground strata.

2. Formation of manhole chamber

The construction of manhole chamber shall consist of a reinforced slab supported by reinforced masonry walls on all sides, supported onto a concrete ground slab. At the top of the manhole chamber, a galvanized steel gutter D400 is to be installed.

The detail between the reinforced fiber glass sleeve and the reinforced ground slab shall be watertight and reinforced by a galvanized steel saddle. The reinforced fiber glass sleeve is to be left approximately 300mm from the top of the ground slab. This shall allow sediments to settle at the bottom of the manhole chamber. A galvanized mesh shall be placed on top of the sleeve to avoid any sediments to seep through.

Once the work is completed, the contractor will demobilize the site and clean the area.

Mitigation Measures

General

Considering the nature of the project, the Contractor will be responsible to implement effective measures to safeguard the environment during works.

The contractor will be obliged to leave the site clean every day. No loose material will be left on site uncovered. Furthermore, the contractor will be obliged to make good any damages on site resulting from his intervention.

Material is to be handled with caution to avoid dust emissions on the surrounding biodiversity. No excavated material shall be stored on site and extracted material shall be carted away and covered.

The contractor shall also provide bins, skips and bunds for the placement and temporary storage of waste/debris on site, prior to their removal and legal disposal.

Once all the work has been completed, the contractor will be responsible to survey the area for any fallen construction debris and material. In the eventuality of such material present, the contractor will be obliged to remove the material and clean the area prior to demobilisation.

Contractor is to secure the site and provide pedestrian access when required daily. Site closure is to be phased with progress of works or as deemed necessary. Any open trenches are to be hoarded with orange warning mesh and flashers.

Vegetation that is sensitive to the stabilization of road embankments and its surroundings is to be protected.

Annex A

Attached Drawings.