

29th May, 2019

Office's ref: 2918/04

PA ref: EC/00438/12

Location: Quarry HM 19, Triq Tal-Mizieb, Hal Far, Zurrieq

Project Description: Reinstatement of area excavated outside the permitted quarry boundaries

Method Statement Description

Project's Objectives

The site, at Triq Tal-Mizieb, Hal Far, is an area of land adjacent to Quarry HM 19 which was excavated for mineral extraction purposes as part of the adjacent quarrying activities. The general objective is to restore the section of the quarry under enforcement reference EC/00438/12 to its original state of agricultural field by interventions that ensure that it blends with its surroundings. The land to the east of the enforced area remained untouched and always retained its natural state. Having said that, any variations in the enforcement boundary in respect to the actual unauthorized quarrying on this site, will be also reinstated for a homogenous restoration of the east side of the quarry. 'Document A' affirms the original use and state of the site as agricultural land dating back to 1967. This sustains the rationale of restoring the site to its original state for the use of agricultural field. It is within the scope of this reinstatement to respect the original contours of the site as well as to reconstruct the rubble walls that were present in the 1967 orthophoto.

The site in question was excavated to a depth of approximately 7.6m from the original site levels including top soil. The reinstatement process will necessitate deposit of inert waste resulting from the onsite quarrying activities and construction inert material which will be already separated at source, up to a level of 0.6 meters below the original site levels and to deposit an upper layer of agricultural top soil.

Location and Description of Site and its Surroundings

The Location of the site is in the limits of Zurrieq in an area known as Ta' Wied Moqbol. Attached please find (Doc'2918-04-01') a block plan of the site location with the regarding site clearly marked. The attached block plan also indicates the applicant's quarry and access to site.

The characteristic of the site and the proposed reinstatement in scale, volume and design are as detailed in the attached drawings: Doc'2918 - 04 - 02', Doc'2918 - 04 - 03', Doc'2918 - 04 - 04'

The area to be infilled has an area of 4,885 m² and an average depth of 7.6 m. Considering a depth of 0.6m top soil, the resultant volume of inert waste to be deposited amounts to 32,241cu.m. The upper layer of 0.6m deep top soil would result in a deposition of approximately 2,931 cu.m. Please note that all areas, sizes and volumes are only indicative.

The site is in an Out of Development Zone (ODZ) area which is primarily characterised by agricultural land use. Other activities in the area are related to quarrying, industrial purposes as part of Hal-Far industrial estate and a small number of residential accommodations in the form of farmhouses.

‘Document B’, the ‘Zurrieq-East environmental constraints map’ as part of the ‘South Malta Local Plan’, shows how the site (outlined in red) is within agricultural areas – SMAG 01 and just out of the scheduled sites (lined in blue). It is also important to note that in 1992 the functioning quarry adjacent to the site in question was de-scheduled from the scheduled sites as evident in ‘Document C’

Additionally, Natura 200 protection act surrounds the site as shown in the attached ‘Documents D’ and ‘E’, on to which the site in caption was marked. As evident the site is located out of this protection act and has no influence on the intention of protecting these areas and their natural elements.

Project Timeline and Logistics

The Reinstatement process is anticipated to be carried out in different phases as follows:

Phase 1 – Deposit of inert waste – Duration of 1 year 6 months;

- i) Raw materials to be used: Nil — (infilling with onsite quarrying inert waste and construction inert waste).
- ii) Waste generated: Nil
- iii) Method of storage: Not applicable as inert waste is deposited immediately at point of infill.
- iv) Handling of materials: The inert material which will be already on site, will be transported to infill area by lorry tipper, and placed in position and compacted by the mechanical shovel. Similarly, the construction inert material which will be already separated at source, will be transported to site by lorries. offloaded on site by lorry tipper, and placed in position and compacted by the mechanical shovel.
- v) Plant and machinery needed during construction phase: Lorry tipper & mechanical shovel
- vi) Plant & machinery needed during operational phase: Not applicable.

Phase 2 – Deposit of top soil and construction of rubble walls – Duration of 3 months;

- 1) Raw materials to be used: Nil [top soil already stored on site and additional rubble stones and top soil which will be generated from excavation works of other sites].
- ii) Waste generated: Nil
- iii) Method of storage: Not applicable as top soil and rubble stones respectively are deposited immediately within the area required.

iv) Handling of materials: The top soil and rubble stones will be transported to site by lorries, offloaded on site by lorry tipper, and placed in position by the mechanical shovel.

v) Plant & machinery needed during construction phase: Lorry tipper & mechanical shovel.

Vi) Plant & machinery needed during operational phase: Not applicable.

The access and parking

arrangements on and off site during construction are marked on attached drawing

Doc'2918 - 04 - 02'

It is also estimated that one employee per phase will be employed throughout this project.

The envisioned timeline is based on assumptions of which part are beyond the control of the applicant. These include the generation and availability of inert waste and the availability of top soil.

During the land filling processes the following measures will be taken:

- a) All measures will be taken such that waste will not be tipped off during windy hours.
- b) Wheel washing facility will be installed at site exit
- c) Wetting down of site in dry/windy days.

Environmental Impacts

The only impacts which can be generated are very minor and are described for each phase as follows:

Phase 1 – Deposit of inert waste;

The noise during this phase will be generated primarily from lorries and mechanical shovels which will be loading and un-loading the inert waste from one part to another within the same site. This noise is however less than the threshold noise for the area and the cumulative noise is considered to be negligible. The noise generated by the mechanical shovel is also negligible due to the fact that this will be operating in a depressed area, thus sound is highly attenuated and for a duration of 30 minutes towards the end of each working day.

Phase 2 — Deposit of top soil

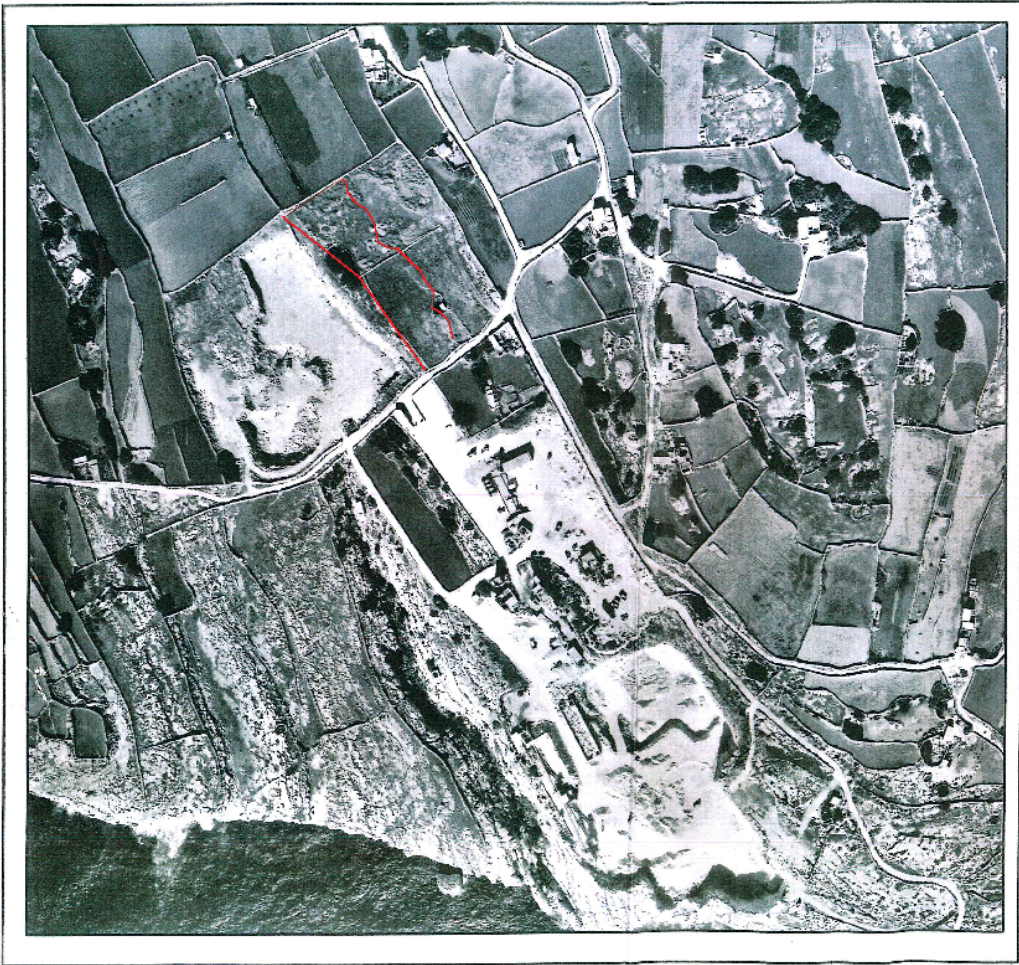
Noise will be generated during the access on and off site by the lorries and by the mechanical shovel. This noise is however less than the threshold noise for the area and the cumulative noise is considered to be negligible. The noise generated by the mechanical shovel is also negligible due to the fact that the material will only be placed on the infilled area and doesn't require compacting. Even more the duration of works will be of 30 minutes towards the end of each working week.

It is also relevant to consider that the same quarry is currently registered and has permits as a fully operational quarry. The additional noise is considered as negligible in respect to the quarrying activities.

Records of Site Operations

It is hereby confirmed that records will be kept during the operational phase of the site and these are to include records of the deployed inert materials and soil. Note that there will be no waste for off—site disposal as inert waste material will be sourced from the adjacent quarry and from construction sites, which material will be already separated at source. Thus no temporary storage for non-inert waste is required.

Document A





L-Awtorita' ta' Malta Dwar l-Ambjent u l-Ippjanar
Malta Environment & Planning Authority

Aerial Photography

Year: 1967

Run: 33

Film: 07

Photo No: 1787 *(part of)*

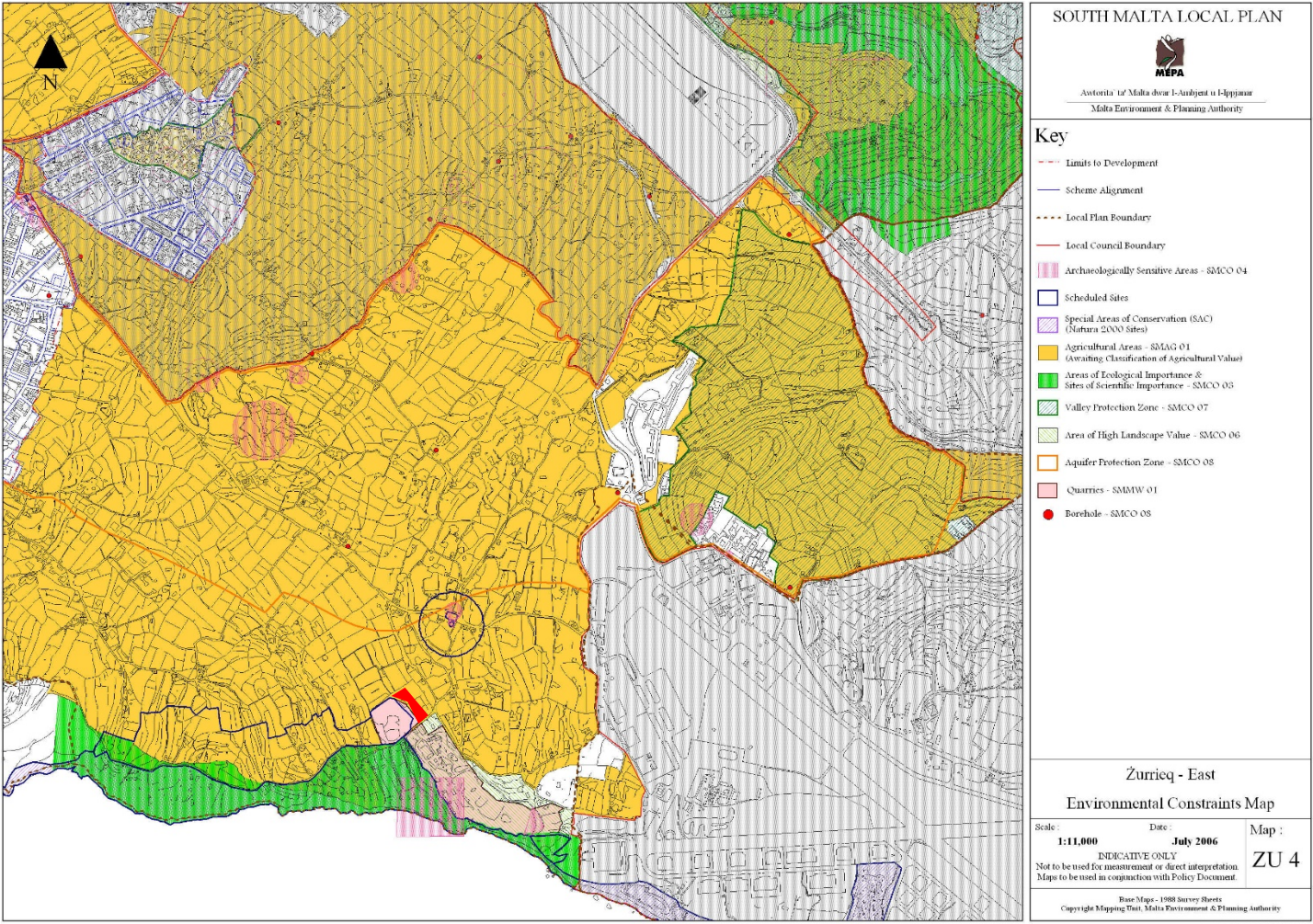
Order No. 3763

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<http://www.mepa.org.mt>
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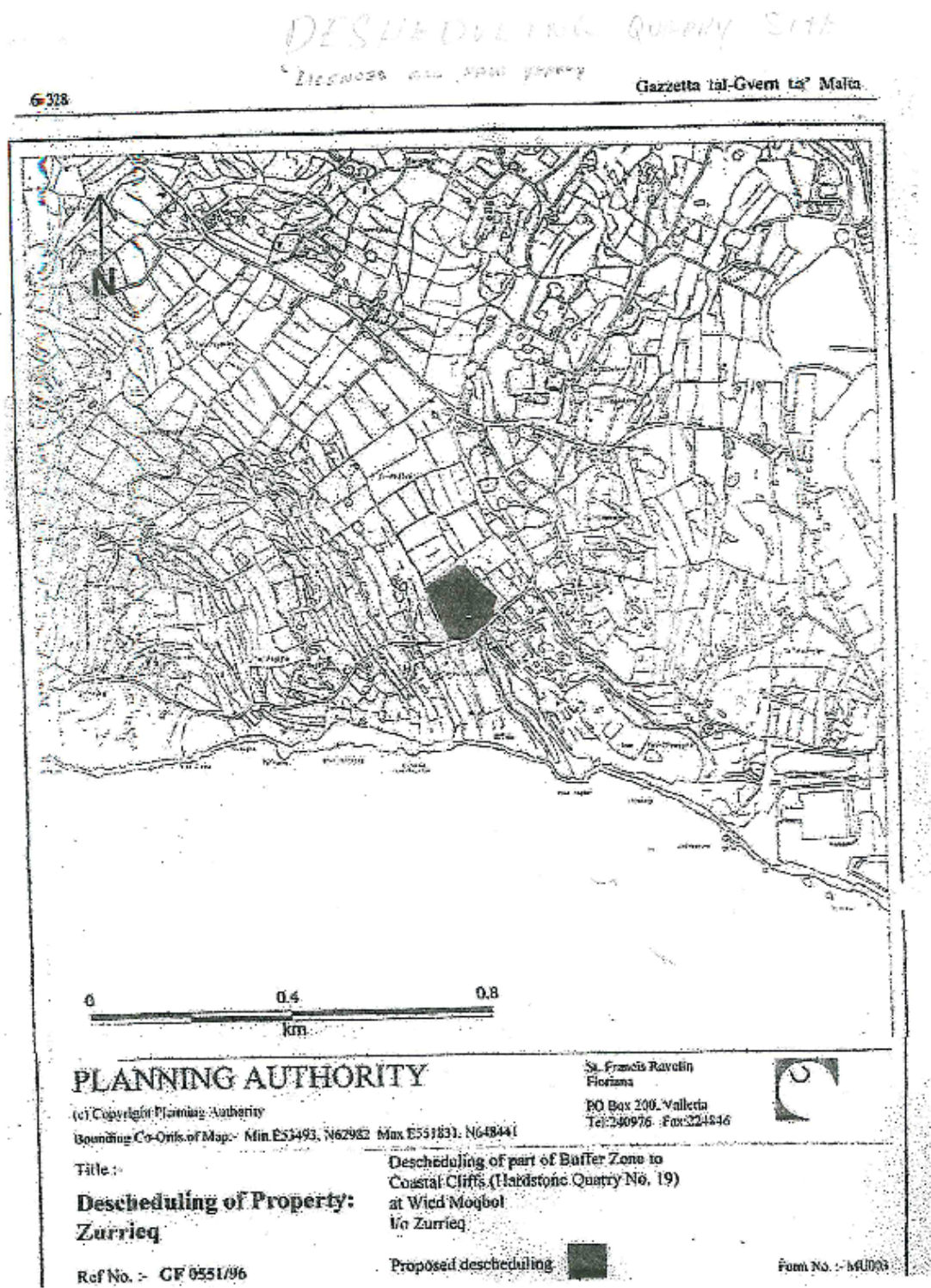
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Document B

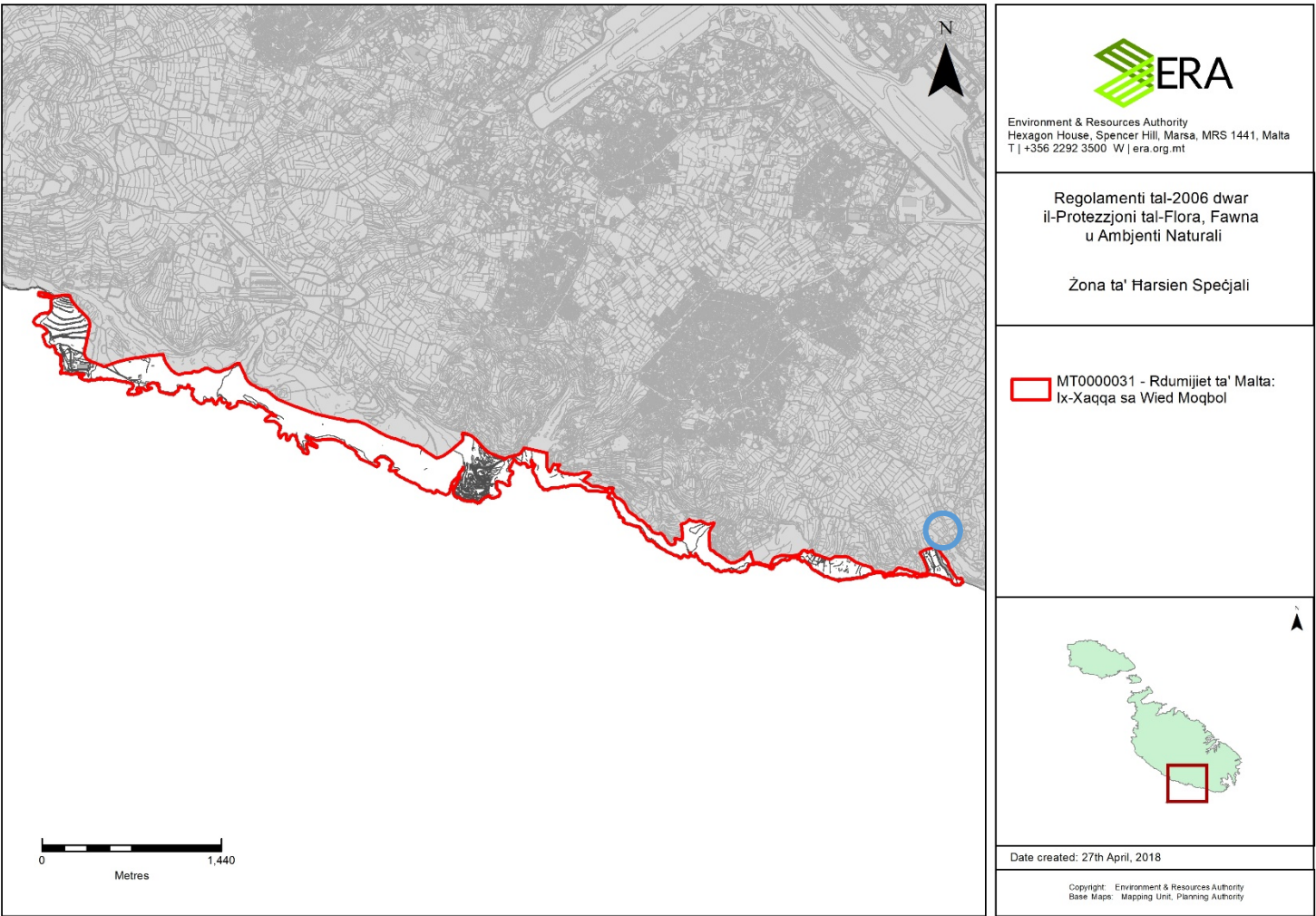


Site

Document C

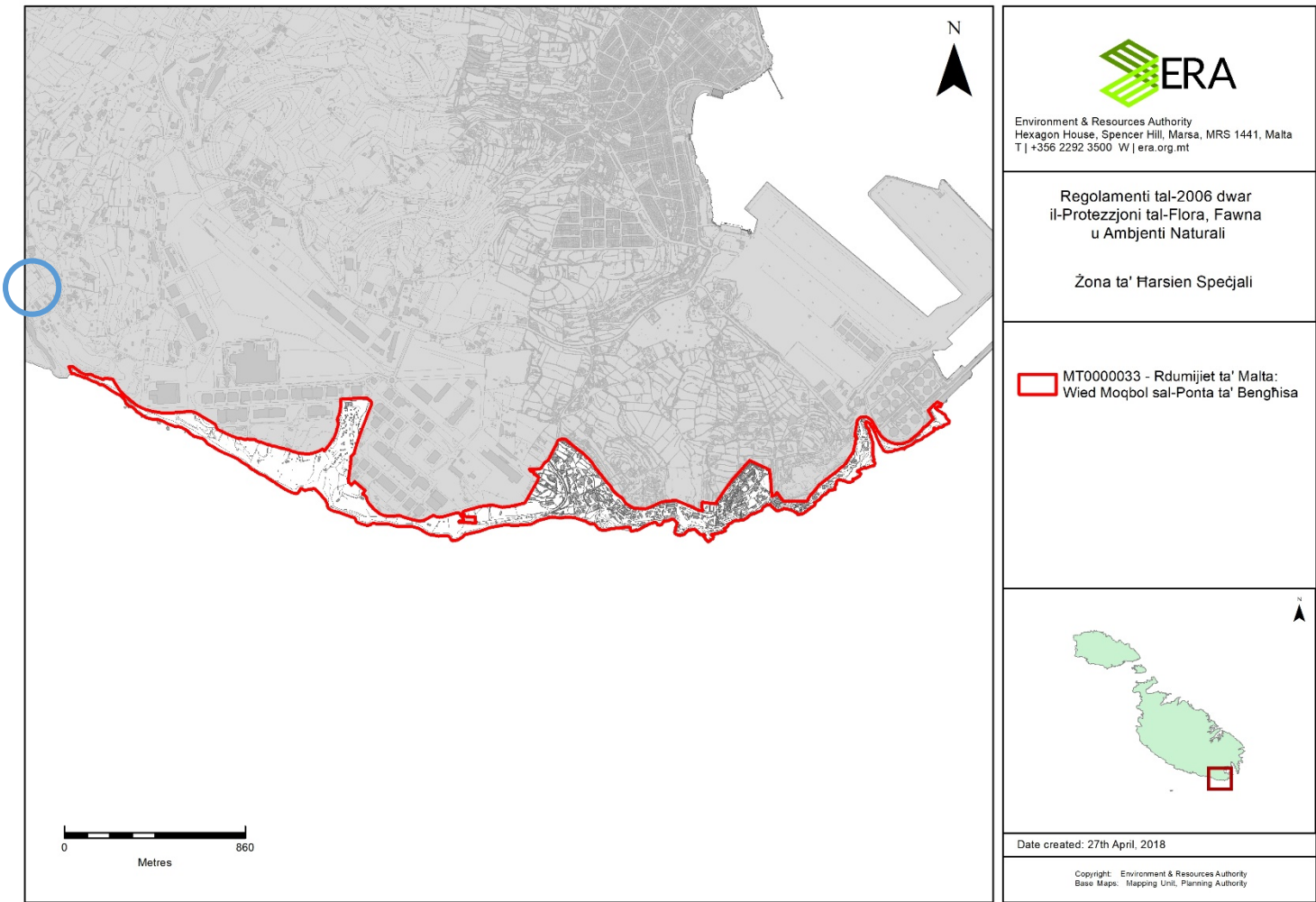


Document D



○ - location of site

Document E



○ - location of site



project title:
Reinstatement of agricultural land.

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notes:

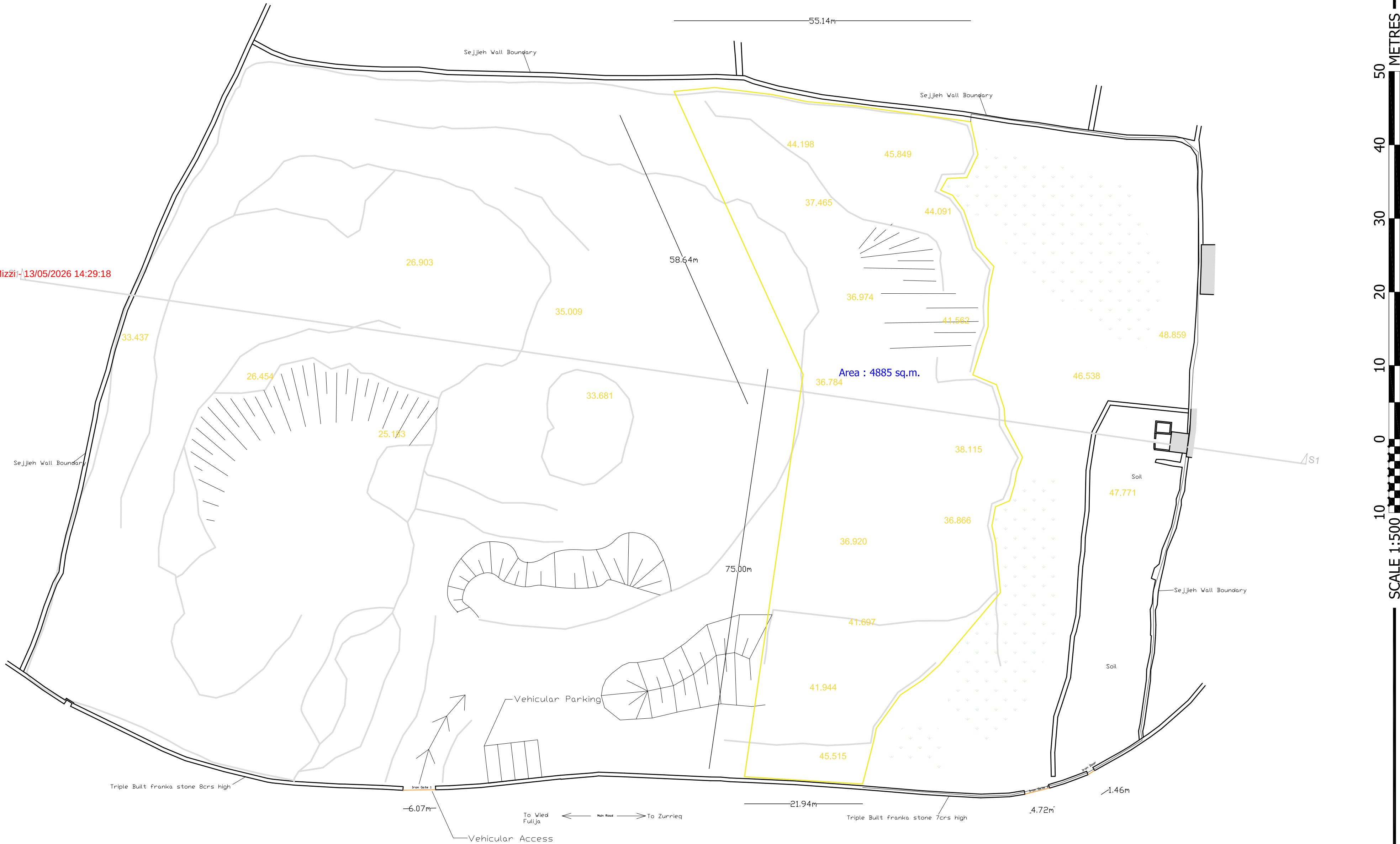
As Proposed - To Reinstatement
Land owned by Applicant

drawing title:
Block Plan

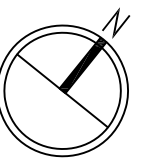
drawing details:
drawing No: 2918 /04 PA 01
revision: -
drawn: JS

scale: 1:500 (A3)
date: 29/05/19
checked: rs

EP 002/1/25 - 62A - Hannah Mizzi - 13/05/2026 14:29:18



Proposed Reinstatement Site Plan
Scale 1:500



project title:
Reinstatement of agricultural land.

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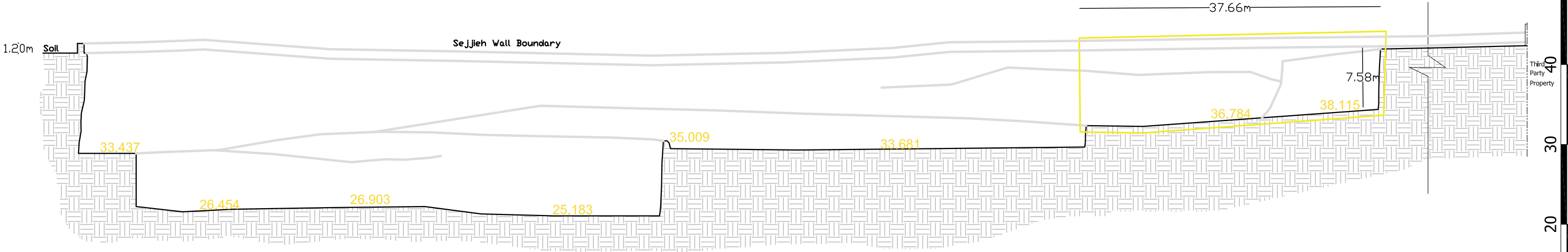
notes:

As Existing

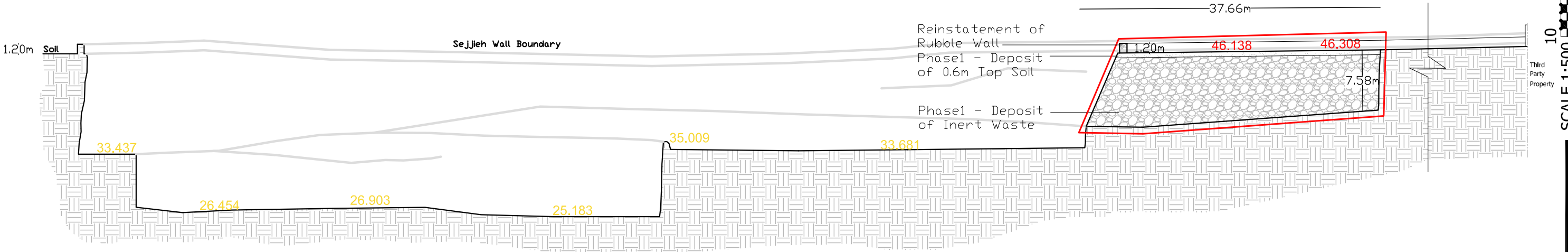
drawing title:
As Existing Site Plan

drawing details:
drawing No: 2918 /04 PA.02
revision: -
drawn: JS

scale: 1:500 (A2)
date: 29/05/19
checked: rs



Existing Site Section S1
Scale 1:500



Proposed Site Section S1
Scale 1:500

project title:
Reinstatement of agricultural land.

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notes:

As Existing
As Proposed - To Reinstatate

drawing title:
Existing and Proposed Sections

drawing details:
drawing No: 2918 /04 PA 04
revision: -
drawn: JS

scale: 1:500 (A3)
date: 29/ 05/ 19
checked: rs