

**Contracting Authority:** WasteServ Malta Ltd.

**Site Address:** Ecohive Complex, Magtab

**PA reference number:** PA/03144/19 Proposed conversion of an un-used existing hazardous cell, including extension of cell boundary and sanctioning of excavation;

**Commencement date of works:** 16<sup>th</sup> April 2021

**Details of person commissioning the works:**

Name and Surname: WasteServ Malta Limited  
Address: Ecohive Complex, Tul il-Kosta, Naxxar, NXR 9030  
Contact Number: 21424120/79424120

**Details of Architect:**

Company Name: Perit William Lewis  
Name and Surname: Perit William Lewis  
Address: 83, Triq il-Gdida, Qormi, QRM2122  
Contact Number: 79444845

**Details of Contractor:**

Company Name: Rockcut Limited  
Name and Surname: Mr.Rhys Buttigieg  
Address: N/S Valletta Road, Ghaxaq, ZTN 14  
Contact Number: 79806624

## **Method Statement for the Rock Excavation Works to form Waste Management Landfill at Ecohive Complex for WasterServ Malta**

This method statement is intended to control the excavation works which shall be carried out on site and to mitigate any potential environmental, health and safety impacts. The statement shall be detailing the general excavation procedure that shall be implemented in the site of Ecohive Complex in Maghtab.

### **1. Project Outline**

The contract shall include rock excavation and ancillary activities to allow the establishment of a non-inert, non-hazardous waste landfill facility at the Ecohive Complex in Maghtab.

### **2. Excavation Works**

The Contracting Authority carried out a geological report including rock mass analysis and proposals for stabilization. The report provide detailed information on the type of rock present within the site. The site is predominantly excavated in Lower Coralline Limestone formation.

The volume of rock that shall be excavated is circa. 530,000m<sup>3</sup>. The site extents are indicated in the drawings 'New Landfill Location Plan' included in Appendix A of this Report.

At present the site has been already partly excavated and the final level has been reached over the central part of the site. Excavation was suspended in certain areas due to rock instability. This area includes the North-East, North-West and South-West facing side in the southern region of the excavation site and no further excavation shall be carried out in this region.

The Contractor shall ensure that the excavation work does not undermine or affect adjacent properties including two underground reservoir. The site has been already partly excavated and the extents are clearly delineated. Therefore, the site perimeter is detached from adjacent properties minimizing the risk of direct or indirect damages as a result of the excavation works due to vibration etc.... Consequently, the appropriate excavation procedure would entail the use of a hydraulic breaker hammer and hydraulic shovel excavators so that rock to be excavated is cut off from the adjacent rock strata. To this end, the Contractor shall ensure that adequate protection and support is provided.

The horizontal plane shall be lowered in steps (not exceeding 3 meters in height) to allow the formation of ramps for constant vehicular access and ensure the vertical plane can be excavated with minimized risk.

In the event that different ground conditions are present, the excavation procedure shall be devised such that stability of the geological strata is preserved. No explosives are to be used for rock cutting.

Fissures, cavities, soft rock areas, and changes in types of rock quality that were not identified in the geological survey are to be reported immediately to the undersigned Perit in Charge for any decision that he deems appropriate in the circumstances.

The Contractor shall cart away all material extracted, as a result of the excavation, from the site, in securely loaded and covered vehicles, taking care to prevent the spreading of debris on the adjoining roads.

All excavation work shall be carried out in accordance to the Local Standards. Any clearing/ excavation of inert/ hazardous material shall be done by the Contracting Authority and are excluded from the scope of the Contractor.

### **3. Timeframe**

Works are expected to be completed within 11 months.

### **4. Access Points**

The site is located within the Maghtab Complex. Access to the site shall be from Triq ir-Ramla off Triq il-Kosta, Maghtab. The current access can accommodate the construction vehicles envisaged for the project and no improvements to the site access is required.

### **5. Storage Areas for Materials and Plant**

There will be limited storage of excavated material on site and all resulting material will be transported off the site to authorized sites at the earliest.

### **6. Traffic Management**

The objective is to avoid disruption of vehicular traffic caused by the excavation works and ensure the safety of all road users.

The adjacent waste management treatment plant and ancillary buildings accesses shall be unobstructed at any time.

It is envisaged that traffic to and from the site shall be circa. eighty (80) to eighty-five (85) trucks daily.

### **7. Air and Dust Management**

Air quality (airborne dust and pollutants) in and around a construction site is to be maintained at acceptable levels throughout the excavation period. Dumping of loose material on site is to be avoided, otherwise adequate measures for preventing dust and other airborne matter impacting on the surrounding area are to be ensured.

### **8. Time-scale and Hours of Construction**

Excavation works on site shall be undertaken within the following hours:

- The normal working hours within the Site shall be Monday to Friday between 07:00 and 19:00 hours and Saturday between 07:00 and 17:00 hours. However, the Contractor's hours shall be on a 24/7 basis including Public and National Holidays.

Excavation activities outside normal hours shall be accepted, on the basis of the following considerations:

- Nature, location and extent of work to limit potential nuisance,
- The urgency or emergency nature of the works,
- Sequential / timing issues,
- Noise reduction measures,
- Measures taken to address any potential complaints,
- Public interest.

## **9. Health and Safety**

The general duties of both employer and employees are to comply with all provisions listed in the Code of Practice for the Building Construction Industry in Malta and the guidelines for Health and Safety on the construction site. A number of the below-mentioned health and safety procedures were adopted from the information provided on the website of the Occupational Health & Safety Authority (OHSA) ([www.ohsa.org.mt](http://www.ohsa.org.mt)). It is being understood by the contractors and the client that the OHSA can carry out a site inspection at any time and can take action including suspending ongoing works if they consider the working environment not to be safe enough.

Works will be undertaken in such a manner so that:

- Dangers liable to arise at the place of work are prevented as soon as possible.
- The health and safety of all workers, persons accessing the site and third parties are seriously taken into account.
- All precautions are taken to protect workers against harmful effects of chemical and physical agents.

## **10. Legal Obligation**

Contractor is to comply with all current legislation and code of practice. Contractor must keep himself up-to-date with, and be aware of, all relevant Health and Safety Acts, Regulations, Approved Codes of

Practice, and Guidance. Compliance with such documents etc. is a requirement whilst working for the Client.

#### **11. Safety**

A high standard of safe working is expected from the contractor to ensure the safety, not only of their own employees, but also of WasteServ employees and/or third parties.

It will be expected that the main Contractor make all his sub-contractors aware of the Health and Safety Guidelines, which will be included with their contract upon being assigned a particular scope of works. These guidelines, although not exhaustive shall be an indication of the client's expectation for all contractors working on site.

#### **12. Information to Contractor's Employees**

Contractor must ensure that his employees have seen these Guidelines and have been instructed to comply with them. They must have a copy on site.

#### **13. Safety Wear and Welfare**

Safety wear must be worn by all workers and crane operators on site. This includes but is not limited to safety hats, working gloves, safety shoes working jackets and other protective wear. Contractors are responsible for providing all welfare facilities for his employees and sub-contractors.

#### **14. First Aid**

First Aid equipment shall be available at the site office or an accessible point.

#### **15. Conclusion**

The Contractor is to inform the site manager, workers and sub-contractors of the above- mentioned procedures prior to the commencement of any works at the above site. The contractor is working in a scenario where problems must be addressed as they occur. Through this report, the contractor is outlining methods used during the programme of works, and to ensure that no worker will be placed at risk in the above-mentioned working environment and considering also the qualifications mentioned above.

Regards,

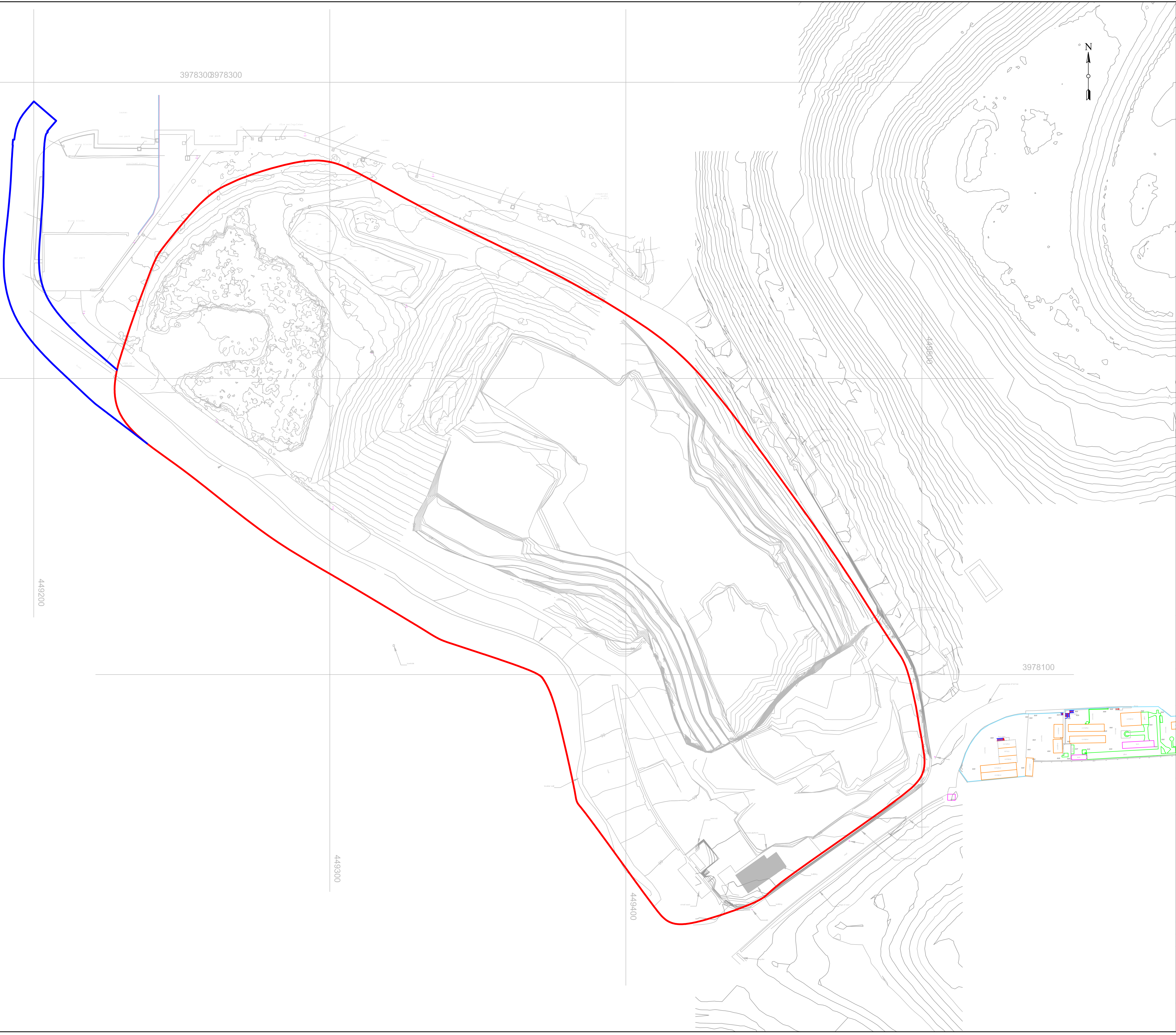


Perit William Lewis

## **Appendix A**

### **New Landfill Location Plan**





NOTES

Topographic survey data  
November 2018

Drawings are produced to present a conceptual design of the proposed engineering design. Designs are subject to final approval and subject to change. Drawings must not be used as construction drawings.

LEGEND

- New landfill boundary
- New landfill access road boundary



PROJECT TITLE			
Construction of a Steep Wall Non-Hazardous Waste Landfill			
PROJECT NUMBER			
30374			
CLIENT			
Wasteserv Malta Ltd.			
LOCATION			
Maghtab Environmental Complex			
DRAWING TITLE			
New Landfill Location Plan			
REVISIONS			
1	05/04/2019	DB	Drawing number changed from 02 & note added
0	13/02/2018	DB	First Issue
Rev	Date	Chkd	Description
DESIGNED	RWS	DRAWN	RWS
SCALES @ A1	1:500	DATE	05/04/2019
DRAWING NUMBER			REV
30374/WSM/SW/FD/01			01