

Appendix C

Drawings submitted in separate application 'Construction of an underground reservoir and associated culvert and overlying car-park' TRK 00149794.



LEGEND:

- To Construct
- Proposed Road Level

REVISIONS

no	date	details

CLIENT:



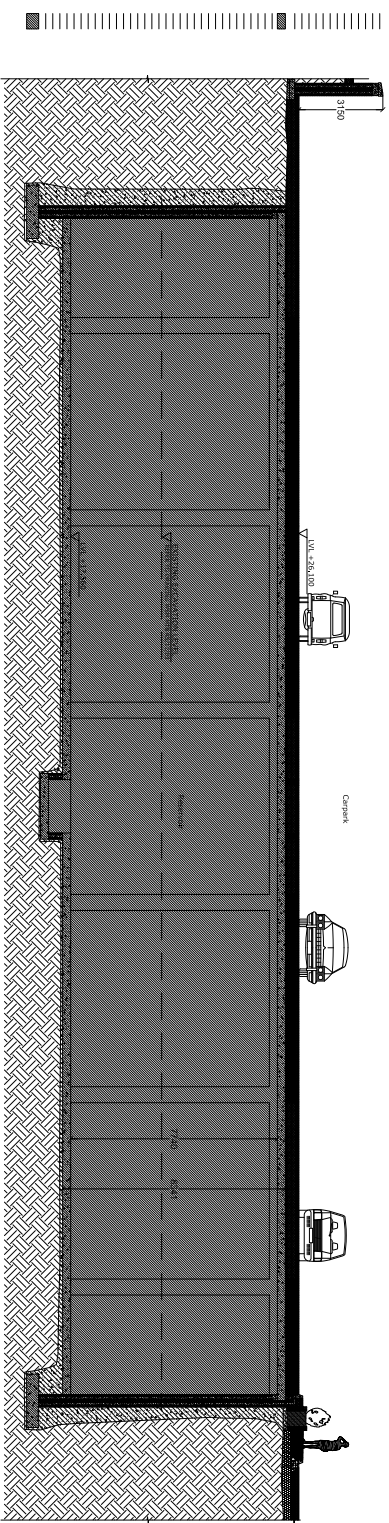
WASTESERV MALTA LTD.

Maghtab Landfill
Construction of Culvert & Reservoir

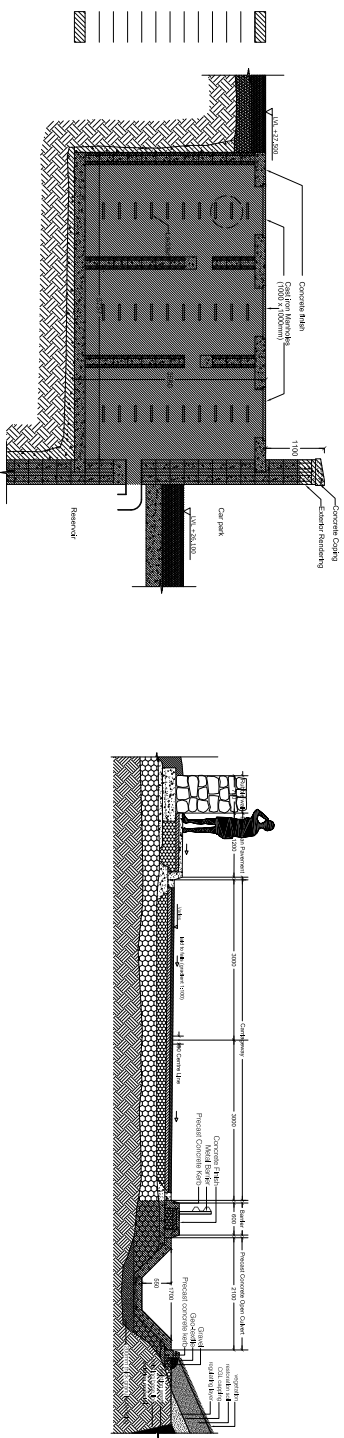
DRAWING TITLE:
Proposed Site Plan

scale	date	no.
A1 1:10000	24/05/2012	WSM MTB RS/12/01
drawn	checked	revision suffix
J.P.	R. Gatt	0

Notes:
Dimensions are in mm, unless indicated otherwise



① RESERVOIR & CARPARK SECTION AA
SCALE 1:100



② SILT TRAP SECTION BB
SCALE 1:50

3
OPEN CULVERT SECTION CC
SCALE 1:50

[illegible]

Annex to Appendix D

Summary of Closure Plan for Ta' Zwejra Landfill

As mentioned in the report, the closure of the site shall consist of 3 phases:

- Re-profiling works need to be carried out
- a gas management system installed
- finally capping is to be installed.

The Capping System

From bottom to top, the capping system shall consist of 6 layers, an inert material, a mineral sealing layer, a protection layer, a drainage layer, a geotextile and a top soil cover. The capping would be placed over all the waste material.

Inert Material: 600mm of inert material is required to be laid over the existing compacted waste.

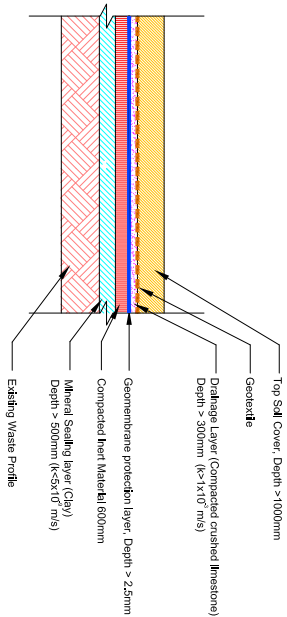
Mineral Sealing Layer: This layer of mineral sealing of depth not less than 500mm is proposed to be laid. Clay material can be used in order to achieve a permeability value of $k < 5 \times 10^{-9}$ m/s

Protection Layer: This can consist of geomembrane of thickness not less than 2.5mm.

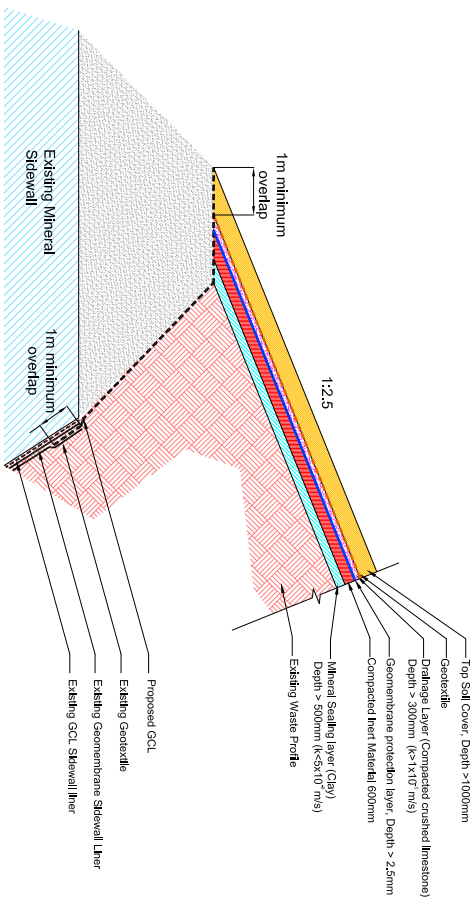
Drainage Layer: This layer consisting of compacted crushed limestone of depth not less than 300mm in order to obtain a permeability value of $k > 1 \times 10^{-3}$ m/s. This is to be placed over the geomembrane.

Geotextile: This is to be laid over the drainage layer.

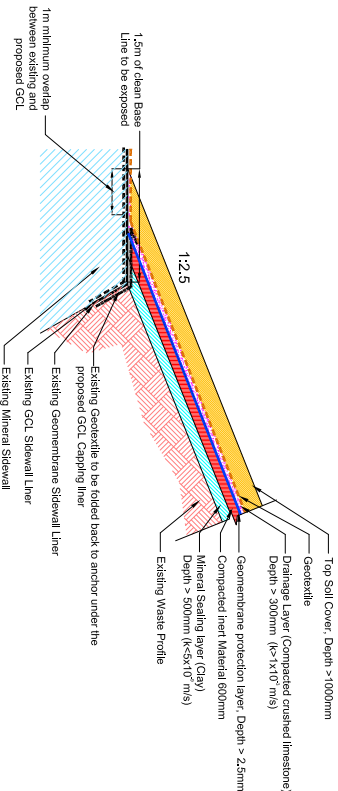
Top Soil Cover: This layer is to have a depth of not less than 1000mm and is to be placed over the geotextile..



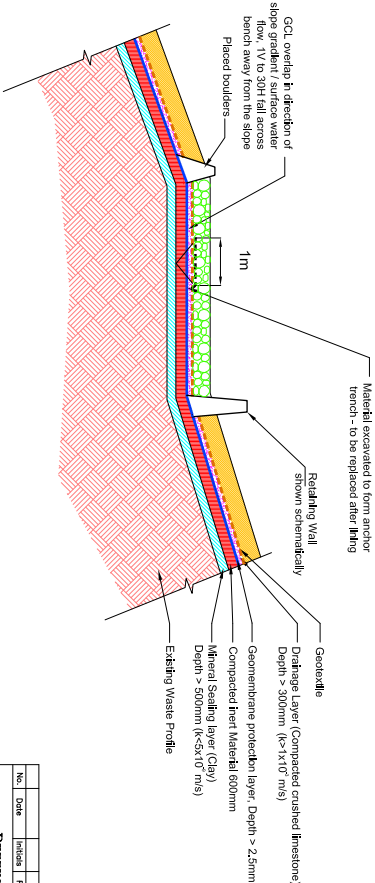
TYPICAL SECTION THROUGH CAPPING SYSTEM
SCALE 1:100



GCL CAP TO EXISTING GEOMEMBRANE / GCL / GEOTEXTILE SIDEWALL LINER BUND DETAIL
SCALE 1:100



GCL CAP TO EXISTING GEOMEMBRANE / GCL / GEOTEXTILE SIDEWALL LINER
SCALE 1:100



GCL CAP TEMPORARY ANCHOR TRENCH DETAIL ON BENCH
SCALE 1:100

No.	Date	Revised	Revision Details
BEZZINA & COLE ARCHITECTS & ENGINEERS 24 Argyle Street, Glasgow G3 7LN Tel: 0141 248 1100, Email: info@bezzina.co.uk			
Partner in Charge		Project Architect	
A. Bezzina		LOATEA	
Job Title			
PROPOSED WORKS WITHIN THE ZWILRA - CHALLIS LANDFILL AREA			
Drawing Title			
CAPPING SYSTEM INSULATION DESIGN			
Job No.	27-2006	Draw. No.	AM2.11020
File Path			
Scale	1:100	1:50	1:20
Scale	1:100/150/20/10,2012	1:50/0.5	1:20