

WATER SERVICES CORPORATION

Triq Qormi Luqa LQA 9043

Freephone: (+356) 8007 2222 Fax: (+356) 2244 3900

E-mail: customercare@wsc.com.mt Website: www.wsc.com.mt

Application for a Public Sewer Discharge Permit (based on L.N.139 of 2002 Schedule D)

SECTION A

I ANTONIO MONTEBELLO (Full Name), I.D. Card number 80374 (M)
residing at C/o WasteServ Malta Ltd.
Ekocentre, Lalmija Rd., Marsascala
telephone 2385 8000 fax 21441930 mobile —
e-mail tonio.montebello@wasteservmalta.com
as representative of WasteServ Malta Ltd.

am applying for a permit to discharge effluent into the public sewer, during the one year period

from

DD	MM	YY
01	06	2015

 to

DD	MM	YY
31	05	2016

Address of premises from which effluent will be discharged:

Malta North Waste Treatment Plant
410 Għallis, Naqqar

The following is a brief outline of activities/processes envisaged to be carried out at the above premises during the above mentioned period:

Refer to Appendix A

The substances that will be used at the above premises (not necessarily discharged in the effluent) during the said period are:

Substances	Kg
<u>Refer to Appendix B</u>	

The proposed point of discharge is indicated in the attached site plan, scale 1:2500, which is signed by Architect and Civil Engineer

ERIC FORHOSA
name in BLOCK LETTERS

Declaration by Applicant (tick appropriate box)

☐ I declare that the effluent to be discharged from the above mentioned premises is exclusively domestic sewage i.e. effluent resulting exclusively from activities related to the habitation of humans, such as the use of toilets, wash hand basins, showers and kitchen facilities.

☐ I declare that the effluent to be discharged from the above mentioned premises is trade effluent having the same characteristics as approved in Public Sewer Discharge Permit No _____

covering the period from

DD	MM	YY
----	----	----

 to

DD	MM	YY
----	----	----

(If one of the above options are chosen, you may proceed to SECTION E)

☒ I declare that the effluent to be discharged from the above mentioned premises is, at least partly, trade effluent, as defined in the Environment Protection (Sewer Discharge Control) Regulations, 2002. For this reason, I am supplying the following information which, I understand, shall be treated as strictly confidential:

SECTION B to be filled in for the discharge of trade effluent, please tick appropriate box/boxes

Type of industrial activity/process envisaged to take place in above premises during the year

Activity I – Manufacturing and Processing

- | | | |
|---|--|--|
| <input type="checkbox"/> Textiles & clothes | <input type="checkbox"/> Soap & detergent | <input type="checkbox"/> chemical(s) specify which |
| <input type="checkbox"/> Shoes | <input type="checkbox"/> Carpentry | _____ |
| <input type="checkbox"/> Food | <input type="checkbox"/> Glass & porcelain | _____ |
| <input type="checkbox"/> Beer | <input type="checkbox"/> Electronic components | _____ |
| <input type="checkbox"/> Wines & spirits | <input type="checkbox"/> Metal goods | _____ |
| <input type="checkbox"/> Soft drinks | <input type="checkbox"/> Batteries | _____ |
| <input type="checkbox"/> Mineral water | <input type="checkbox"/> Leather | |
| <input type="checkbox"/> Paint & pigments | <input type="checkbox"/> Tiles | <input type="checkbox"/> Other specify which |
| <input type="checkbox"/> Paper & cardboard | <input type="checkbox"/> Glue | _____ |
| <input type="checkbox"/> Plastic & resin | <input type="checkbox"/> Explosives | _____ |
| <input type="checkbox"/> Tobacco | <input type="checkbox"/> Rubber | _____ |
| <input type="checkbox"/> Stone & marble | <input type="checkbox"/> Lime | _____ |
| <input type="checkbox"/> Carpentry | <input type="checkbox"/> Candles | _____ |

Activity II – Servicing

- ☐ Electroplating ☐ Laundries ☐ Other *specify which*
- ☐ Motor vehicles ☐ Dry cleaning _____
- ☐ Photographic printing ☐ Shipbuilding

Activity III – Miscellaneous

- ☐ Catering
 ☒ Waste processing
 ☐ Other *specify which*

☐ Agricultural
 ☐ Petroleum

☐ Animal husbandry
 ☐ Power generation

☐ Hotel
 ☐ Hospital/clinic

☐ School
 ☐ Dyeing

☐ Water desalination
 ☐ Printing

☐ Aquaculture

SECTION C

VOLUME of effluent to be discharged during the year: 53,000 m³

MAXIMUM FLOW per hour: L

To be discharged by bowser

SECTION D

I declare that the effluent characteristics will be as follows:

[illegible]

NAME OF SUBSTANCE

(a) *

(b) **

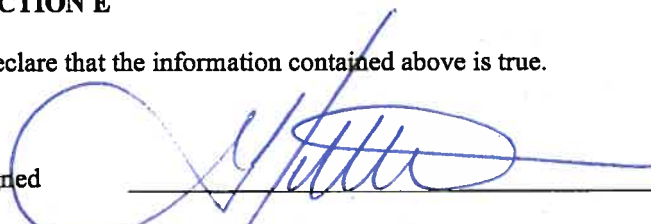
* (a) Maximum concentration in effluent, expressed in mg/L

** (b) Total amount of material to be discharged in sewerage system during year, expressed in Kg

SECTION E

I declare that the information contained above is true.

Signed



Date 22/10/2014

Name in Full

Antonio Montebello

Tonio Montebello
Chief Executive Officer
WasteServ Malta Limited

*Official company/personal
stamp of industrial concern*

€11.65 fee for the first application
or any subsequent application not being a renewal

DATA PROTECTION

The information in this application form is used by the Water Services Corporation but may also be shared with Enemalta Corporation in accordance with the Water Services Corporation Act (Chapter 355) and shall be dealt with in strict confidence. You have the right to access, rectify, and where applicable, erase any data that concerns you. The Water Services Corporation guarantees fair processing of personal data. Furthermore, the Water Services Corporation will only send you information related to the Corporations' own services.

Psaila Daniela at WasteServ

From: Trevor Giles Chircop Bray <TrevorGiles.ChircopBray@wsc.com.mt>
Sent: 17 November 2014 15:47
To: Psaila Daniela at WasteServ
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Thanks Daniela!

Regards,

Trevor Chircop Bray

Senior Professional Waste Water Quality | IWT | Water Services Corporation | Triq Ħal Qormi, Ħal Luqa LQA 9043

✉ email: trevorgiles.chircopbray@wsc.com.mt ☎ Tel: +356 2244 3128 📠 Fax: +356 2244 3125



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From: Psaila Daniela at WasteServ [<mailto:daniela.a.psaila@wasteservmalta.com>]
Sent: 17 November 2014 15:39
To: Trevor Giles Chircop Bray
Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Trevor,

Definitely – FYI the facility is planned to be commissioned early summer 2015.

Will notify you at a later stage.

Regards,

Daniela Psaila
Department Manager – Operations Division | WasteServ Malta Ltd

T: +356 2385 8168 | E: daniela.a.psaila@wasteservmalta.com
Web: www.wasteservmalta.com | www.twitter.com/WasteServ | www.facebook.com/WasteServ



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Think before you print! Consider the environment before printing this e-mail.

From: Trevor Giles Chircop Bray [<mailto:TrevorGiles.ChircopBray@wsc.com.mt>]
Sent: 17 November 2014 15:32
To: Psaila Daniela at WasteServ
Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici

Subject: RE: Wastewater discharge permit for the Malta North MBT plant
Importance: High

Dear Daniela,

I agree with you that they are still at an early stage. Would you kindly contact us when construction is completed and it would be safe for us to come and visit?

Thanks and regards,

Trevor Chircop Bray

Senior Professional Waste Water Quality | IWT | Water Services Corporation | Triq Ħal Qormi, Ħal Luqa LQA 9043

✉ email: trevorgiles.chircopbray@wsc.com.mt ☎ Tel: +356 2244 3128 📠 Fax: +356 2244 3125



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From: Psaila Daniela at WasteServ [<mailto:daniela.a.psaila@wasteservmalta.com>]

Sent: 17 November 2014 15:00

To: Trevor Giles Chircop Bray

Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici

Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Trevor,

Please see the attached. These are the two sites being currently constructed.

They are in their early phases therefore I believe that we can carry out the site visit at a later stage.

Still, should you wish to go now, I can organise.

Regards,

Daniela Psaila

Department Manager – Operations Division | WasteServ Malta Ltd

T: +356 2385 8168 | **E:** daniela.a.psaila@wasteservmalta.com

Web: www.wasteservmalta.com | www.twitter.com/WasteServ | www.facebook.com/WasteServ



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Think before you print! Consider the environment before printing this e-mail.

From: Trevor Giles Chircop Bray [<mailto:TrevorGiles.ChircopBray@wsc.com.mt>]

Sent: 17 November 2014 11:54

To: Psaila Daniela at WasteServ

Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Dear Daniela,

Thanks a lot for this! Has work started yet on the project in order to assess whether we can perform an inspection?

Thanks and regards,

Trevor Chircop Bray

Senior Professional Waste Water Quality | IWT | Water Services Corporation | Triq Ħal Qormi, Ħal Luqa LQA 9043
✉ email: trevorgiles.chircopbray@wsc.com.mt ☎ Tel: +356 2244 3128 📠 Fax: +356 2244 3125



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From: Psaila Daniela at WasteServ [<mailto:daniela.a.psaila@wasteservmalta.com>]
Sent: 04 November 2014 07:58
To: Trevor Giles Chircop Bray
Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Dear Trevor,

No, there isn't a direct connection to sewer.

With regards to treatment of effluent please find the attached document which gives all the details.

Regards,

Daniela Psaila
Department Manager – Operations Division | WasteServ Malta Ltd

T: +356 2385 8168 | E: daniela.a.psaila@wasteservmalta.com
Web: www.wasteservmalta.com | www.facebook.com/WasteServ



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Think before you print! Consider the environment before printing this e-mail.

From: Trevor Giles Chircop Bray [<mailto:TrevorGiles.ChircopBray@wsc.com.mt>]
Sent: 29 October 2014 11:23
To: Psaila Daniela at WasteServ
Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Dear Daniela,

Thanks a lot for this will be waiting for the originals then! As regards the drain layout, if I understand correctly you will not be connected directly to sewer right? Moreover, what kind of treatment process will be used to treat your effluent?

Thanks and regards,

Trevor Chircop Bray

Senior Professional Waste Water Quality | IWT | Water Services Corporation | Triq Ħal Qormi, Ħal Luqa LQA 9043
✉ email: trevorgiles.chircopbray@wsc.com.mt ☎ Tel: +356 2244 3128 📠 Fax: +356 2244 3125



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From: Psaila Daniela at WasteServ [<mailto:daniela.a.psaila@wasteservmalta.com>]
Sent: 29 October 2014 09:05
To: Trevor Giles Chircop Bray
Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici
Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Dear Trevor,

Further to your email below please find application. Original documents are being sent by post, including the cheque.

This facility is currently in its construction phase and it is planned to be commissioned by mid-next year.

I look forward to receiving your comments and should you require further information please let me know.

Regards,

Daniela Psaila
Department Manager – Operations Division | WasteServ Malta Ltd

T: +356 2385 8168 | **E:** daniela.a.psaila@wasteservmalta.com
Web: www.wasteservmalta.com | www.facebook.com/WasteServ

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AND A SPONSORSHIP OF UP TO €1000!

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Think before you print! Consider the environment before printing this e-mail.

From: Trevor Giles Chircop Bray [<mailto:TrevorGiles.ChircopBray@wsc.com.mt>]

Sent: 22 September 2014 13:44

To: Psaila Daniela at WasteServ

Cc: WSC DPU; Anthony Gili; Paula Grech Bonnici

Subject: RE: Wastewater discharge permit for the Malta North MBT plant

Importance: High

Dear Daniela,

I'm sorry for the delay! I have checked regarding your query however I couldn't find any records of any entry regarding the North MBT. I am attaching an application form which you should fill in to initiate the process for a PSDP. There is also an application fee of €11.65. We will need a site plan, internal drains layout and also a list of chemicals used. If you have a waste management plan, I would appreciate if you could send a copy too. After we receive this documentation, I will review it and set up an inspection/meeting on-site.

Should you have any query, please do not hesitate to contact me.

Thanks and regards,

Trevor Chircop Bray

Senior Professional Waste Water Quality | IWT | Water Services Corporation | Triq Ħal Qormi, Ħal Luqa LQA 9043

✉ email: trevorgiles.chircopbray@wsc.com.mt ☎ Tel: +356 2244 3128 📠 Fax: +356 2244 3125



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From: Paula Grech Bonnici

Sent: 15 September 2014 11:03

To: Trevor Giles Chircop Bray

Subject: FW: Wastewater discharge permit for the Malta North MBT plant

Dear Trevor,

Would you kindly see to this?

TY

Paula

From: Psaila Daniela at WasteServ [<mailto:daniela.a.psaila@wasteservmalta.com>]

Sent: 15 September 2014 10:59

To: Paula Grech Bonnici

Subject: Wastewater discharge permit for the Malta North MBT plant

Paula,

Hope this email finds you well.

I have taken over Henriette's work and I would like to check whether WasteServ has lodged an application for the waste water sewer discharge for the Malta North MBT plant.

If not, can you please let me know how we can proceed in submitting an application.

Thanks,

Daniela Psaila
EMS Manager

WasteServ Malta Ltd.

EkoCentre

Triq il-Latmija

Marsaskala MSK 4613

Malta

Tel: +356 2385 8168

www.wasteservmalta.com

www.facebook.com/WasteServ



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WasteServ Malta Ltd

Water Services Corporation

Triq Qormi
Luqa
LQA 9043

VAT Reg. No 12435416

Date 23/10/2014

IntRef 010843

Code WSC001

Remittance No. 010843

Please find enclosed our remittance of € 11.65

Cheque No./Reference 16632

Date	Sys Ref	Int Ref	Ext Ref	Amount in Eur
23/10/2014	00162783	On Account		11.650

WasteServ Malta Ltd, EkoCentre, Triq il-Latmija, Marsaskala MSK 4613 - Malta Company Reg. No. C30560
Tel: (00356) 2385 8000 Fax: (00356) 2144 1930 Email: info.ws@wasteservmalta.com Website: www.wasteservmalta.com

Bank of Valletta p.l.c.

Skyparks Business Centre,
MIA, Triq Hal-Far, Luqa LQA 4000



WasteServ Malta Ltd

22-286

PAY TO THE
ORDER OF

Water Services Corporation

Date 23/10/2014

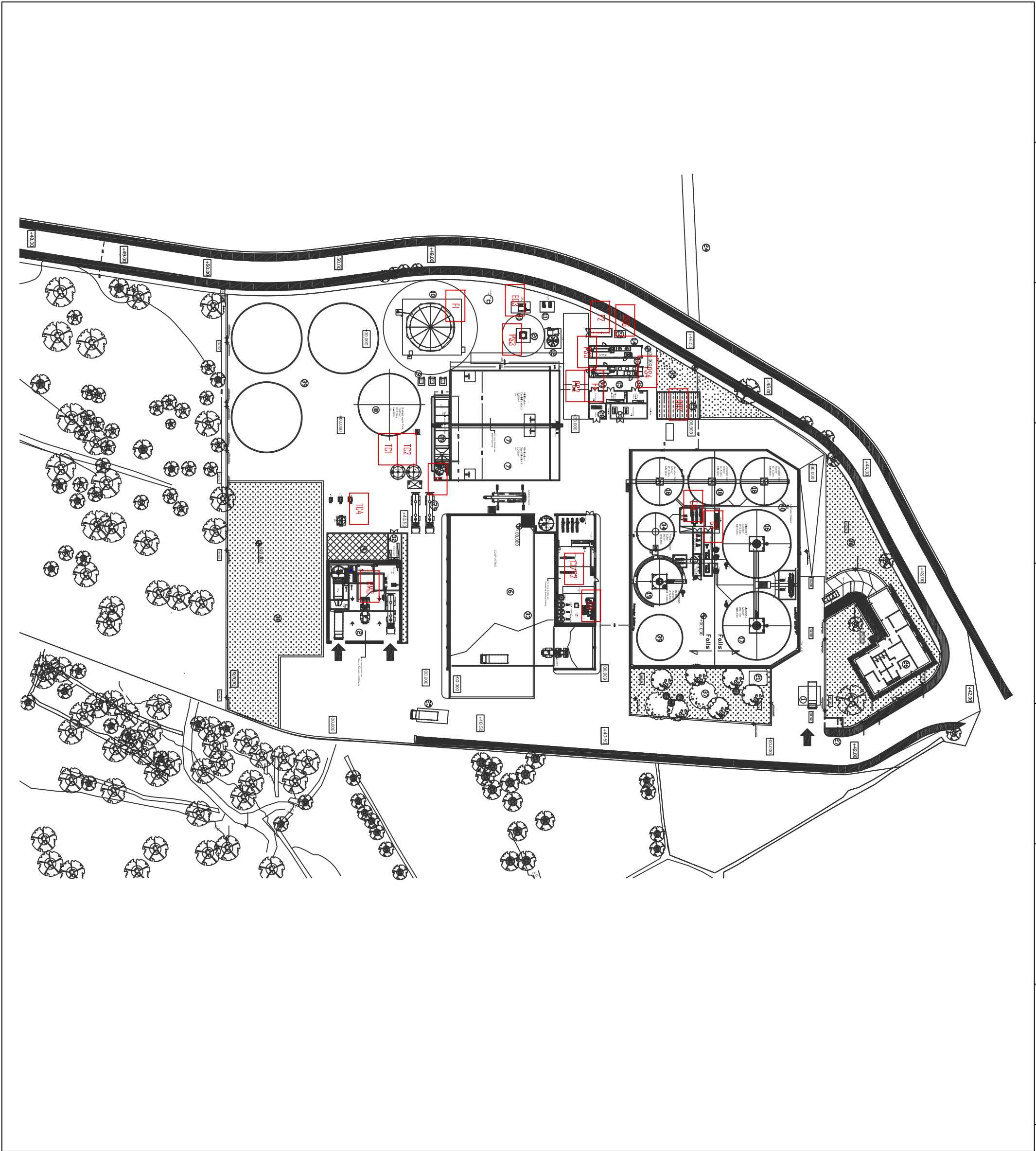
€10,000's	€1000's	€100's	€10's	€1's	AMOUNT IN FIGURES
Zero	Zero	Zero	One	One	€ 11.65






Cent as in Figures

WASTESERV MALTA LTD

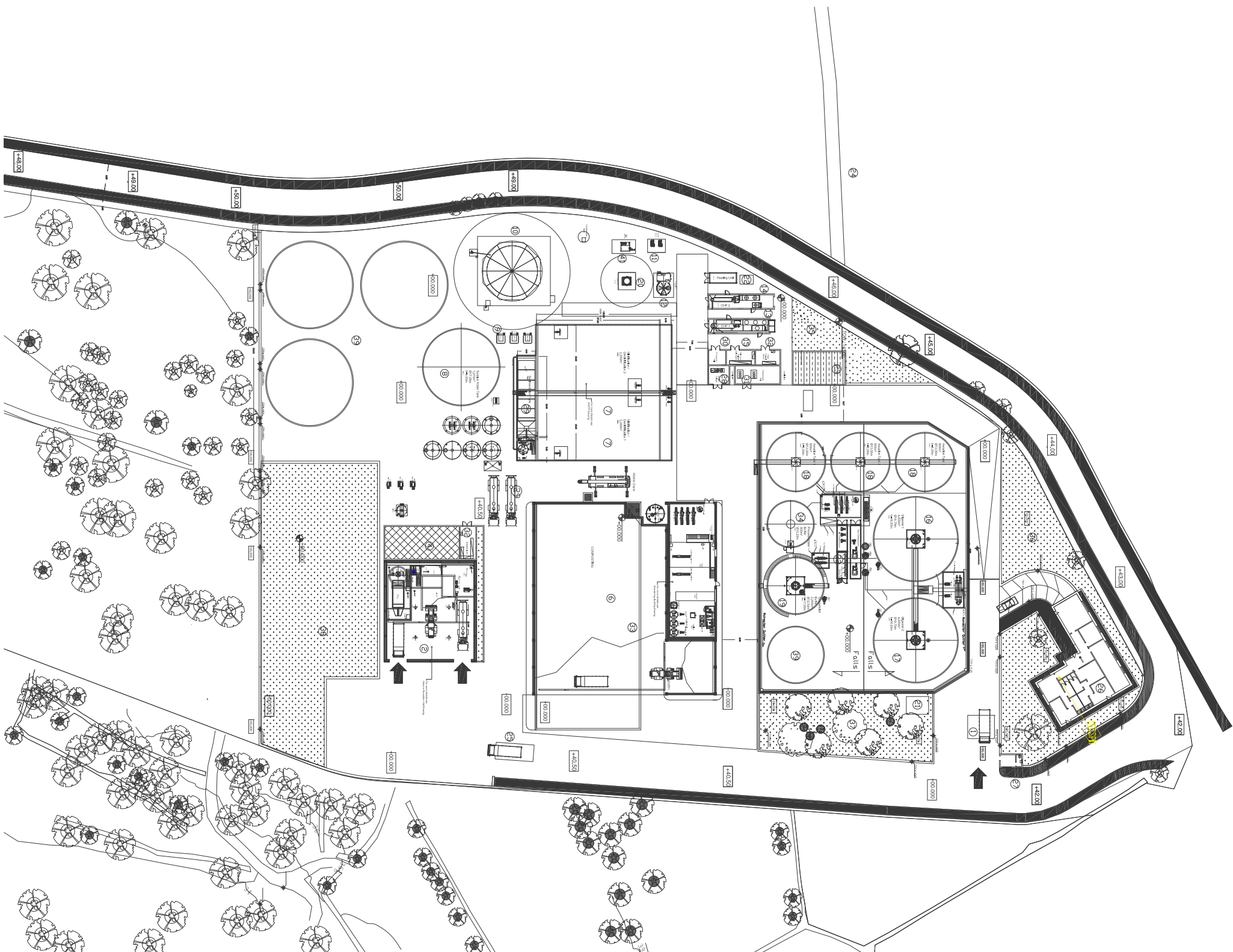
Ms. Lucienne Bongailas
Accounts Clerk

0016632 22 286 400 2160354



Architects:		Structural Engineer:	
			
Project:			
WORKS TENDER FOR THE DESIGN, BUILD, DEVELOP AND CONSTRUCT AND OPERATE OF A MECHANICAL, AND BIOLOGICAL WASTE TREATMENT PLANT AT THE NORTH OF MALTA			
Consent:			
  			
Project:		26th June 2014	
Drawn:			
Checked:			
Approved:			
Scale:		A1	
Drawing Title:		Drawing n°:	
AD General Layout Plan- Relevant locations for PPC Application		VOL-AD-014-ARC-016-0008	
Revision:			
A			
Designation:			
Legend:			
<div><div><div>① Wheelwash</div><div>② Acid Scrubber</div><div>③ Bioreactor</div><div>④ Dewatering Area</div><div>⑤ Nutritation Area</div><div>⑥ Biological Nitrogen Removal 1</div><div>⑦ Biogas Storage Tank</div><div>⑧ Biogas Storage Station</div><div>⑨ Gas Booster Station</div><div>⑩ Biological Desalpurisation</div><div>⑪ CHP 1</div><div>⑫ CHP 2</div><div>⑬ Main Low Voltage Switchboard</div><div>⑭ Digester 1</div><div>⑮ Digester 2</div><div>⑯ Separation Tank</div><div>⑰ Separation Buffer</div><div>⑱ First Class Reservoir</div><div>⑲ III Storage For Chemicals</div><div>⑳ Pipeline from HTP to AD Site</div><div>㉑ Disinfectant Wheelwash</div><div>㉒ Operations Office</div><div>㉓ Main Gate</div><div>㉔ Medium Voltage</div><div>㉕ Waste Water Discharge station</div><div>㉖ Emergency Group Hall</div><div>㉗ Transformation Power Station Hall</div><div>㉘ Switchboards Hall</div><div>㉙ Reservoir 8000 cu m</div><div>㉚ Process Water Buffer</div><div>㉛ Planter A1</div><div>㉜ Planter A2</div><div>㉝ Planter A3</div><div>㉞ Planter A4</div><div>㉟ Area For Future Development</div><div>㊱ Access For Site Operation Offices</div><div>㊲ Bogie Dryer</div></div></div>			

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Age	Sex	Height	Weight	Body mass index	Waist circumference	Waist-hip ratio	Waist-hip ratio squared	Waist-hip ratio cubed
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50	50	50	50	50	50	50	50	50
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52	52	52	52	52	52	52	52	52

Designation:

Architects:  <p>CGE CONSULTING GROUP ENGINEERS</p>	Structural Engineer:  <p>CGE CONSULTING GROUP ENGINEERS</p>	
---	--	--

Architects: Structural Engineer:

Project:

WORKS TENDER FOR THE DESIGN, BUILD (DEVELOP AND CONSTRUCT) AND OPERATE OF A MECHANICAL AND BIOLOGICAL WASTE TREATMENT PLANT AT THE NORTH OF MALTA

Consortium:

BTA
International

efacec
Engenharia e Sistemas, S.A.

nmn
VASALTO BUILDERS LIMITED



VASSALLO BUILDERS LIMITED

Drawn		26th June 2014

2014


 Department of Land Use,
Water & Planning
Planning
617-285-6464

Approved		
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1111

HEC

Scale

Al

Drawing Title	Drawing n.º
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ALL-FOUR Water Drainage Layout

VBL-AD-CIV-TDT-DWG-0004

Revision

A							
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[illegible]

APPENDIX A

Outline of activities – Malta North Waste Treatment Plant

The current application is for a waste water sewer discharge permit related to the operation of the Malta North Waste Treatment Plant (the facility) in Ghallis L/O Naxxar.

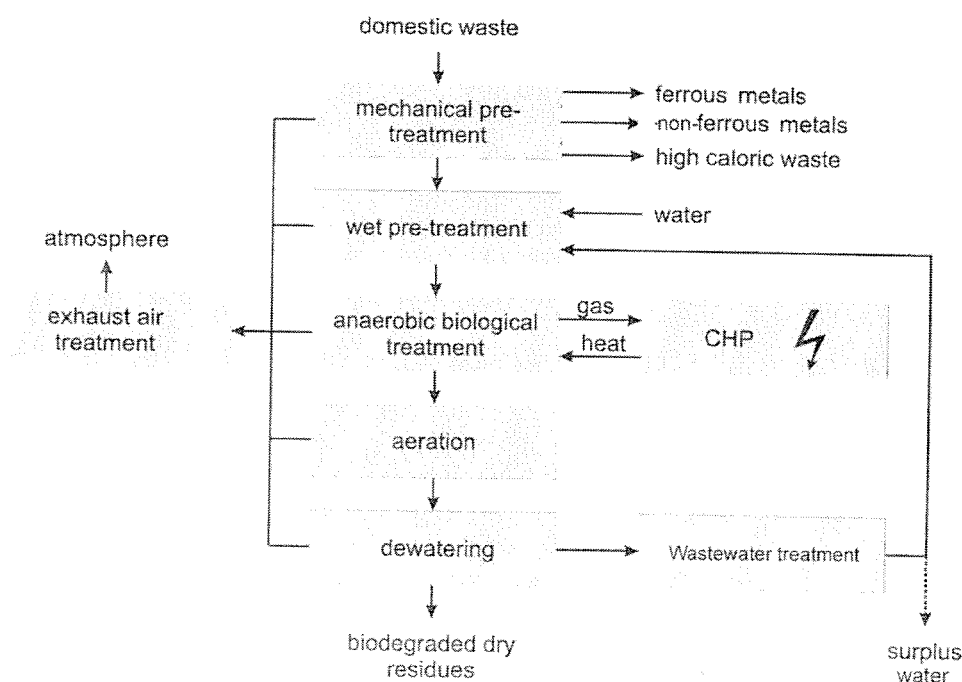
The facility, which shall be operated by WasteServ Malta Limited, shall consist of two main elements which may operate independently:

- A Mechanical Treatment Plant (MTP) coupled with an Anaerobic Digester (AD) able to process either municipal solid waste (MSW) or at source separated biowaste in a series of mechanical and biological treatment steps with a capacity of 100,000 tonnes of waste per annum. The facility will also include a sorting facility for bulky waste with a capacity of 47,000 tonnes per annum.
- A biogas plant for the receipt and treatment of manure with a capacity of 39,000 tonnes of manure per annum.

Similar to other WasteServ facilities, a quality management system (QMS) and environmental management system (EMS) shall be developed; the latter will ensure the continuous improvement of the environmental performance of the facility.

An environmental monitoring programme covering air, land, water and noise is currently being implemented for the neighbouring landfill facilities; this shall be pursued and adapted to include monitoring of parameters relevant to the operation of the new facility.

The following is a block diagram of the MBT plant:



Process water resulting from the dewatering process of the digestion product, shall be used for slurring the organic waste fraction before digestion takes place. Surplus water will be treated together with the liquor from digested manure to meet the discharge limits. The exhaust air is cleaned by means of acid scrubbing and biofilter systems which provide odour control.

The MBT plant shall be erected at two separate sites. Waste reception as well as mechanical and wet pre-treatment shall be located at the MBT site. The biological treatment process shall be located at the planned site for the BGP to optimize the use of biogas and the digestate handling as well as waste water treatment.

APPENDIX B

Substances to be used within facility

<i>Substance</i>	<i>Approximate annual quantity used</i>
Ferric chloride (40%)	
Sulphuric acid (96%)	<570 t
Antifoaming agent	25 t
Polymer powder	60 t
Nutrients	700kg
Lubricating Oil	9,000 L
Grease	
Hydraulic oil	
Diesel fuel	No storage
Acetic Acid	BTA
Methyl alcohol	BTA
Sulphuric acid (98%)	Estimate 17,500 L
Solution pH correction	No estimate
Nutrients	No estimate

MSDSs may be provided on request.

APPENDIX C

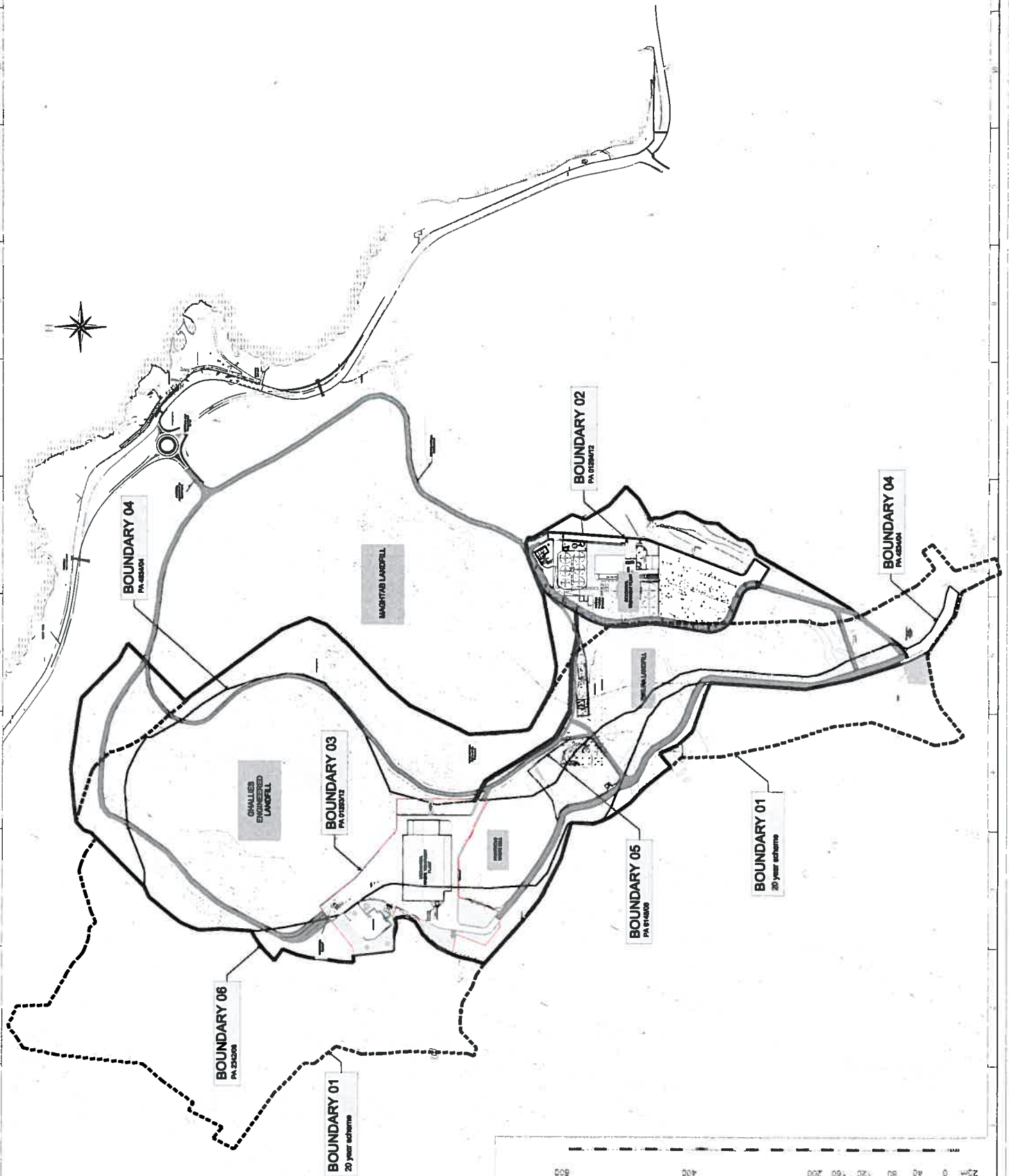
Notes : General

- 1. All dimensions are in meters unless otherwise stated.
- 2. All dimensions are to the centerline of the road or boundary unless otherwise stated.
- 3. All dimensions are to the centerline of the road or boundary unless otherwise stated.
- 4. All dimensions are to the centerline of the road or boundary unless otherwise stated.
- 5. All dimensions are to the centerline of the road or boundary unless otherwise stated.

LEGEND

SITE BOUNDARY PA REFERENCES

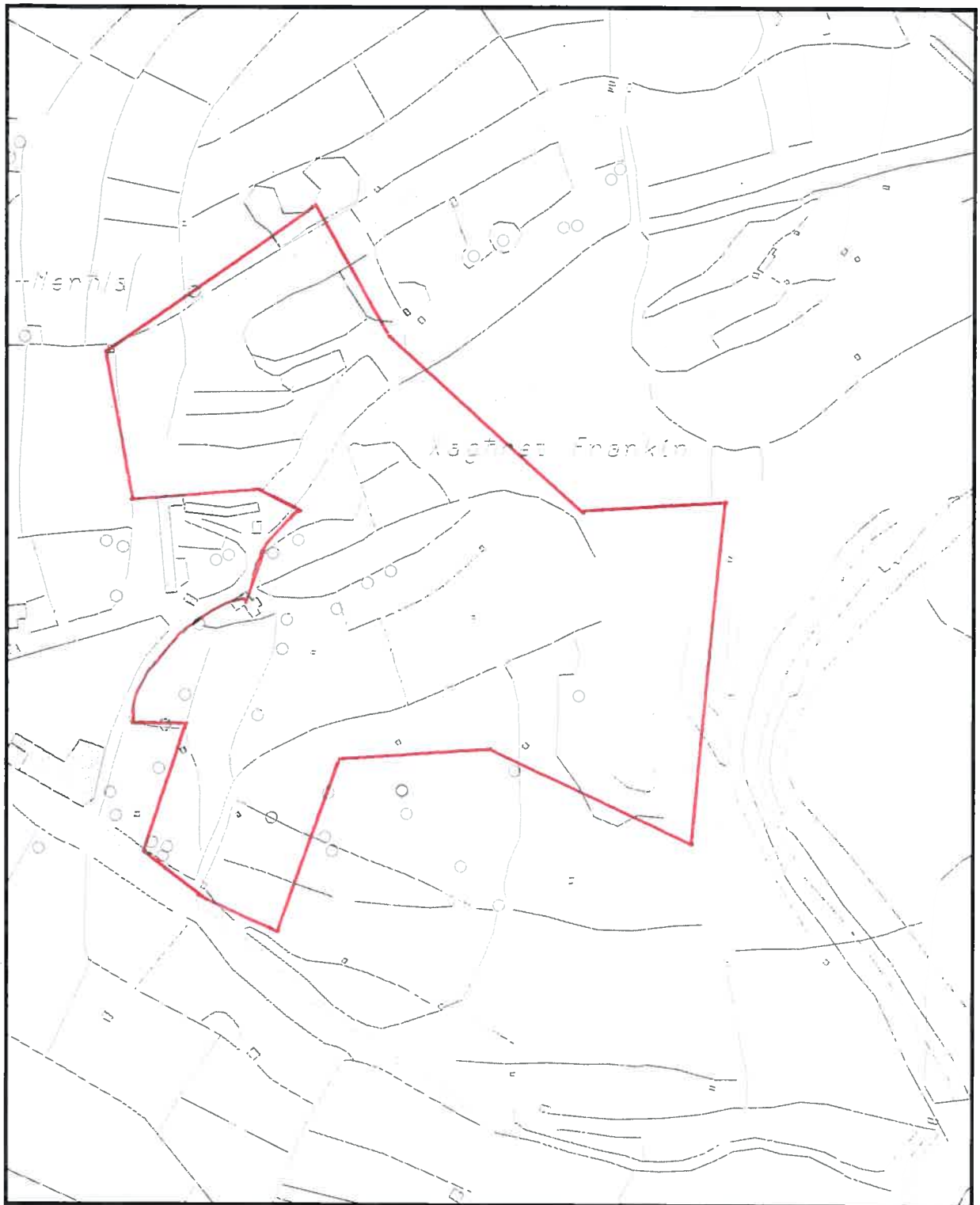
- 01 25 YEAR MASTER PLAN
- 02 PROPOSED AD & MANURE TREATMENT PLANT
- 03 PROPOSED MECHANICAL TREATMENT PLANT
- 04 PA REF 4254 / 04
- 05 PA REF 8142 / 05
- 06 PA REF 2342 / 06



<p>Engineering, Procurement, Construction, Management, Operation & Maintenance (EPCOM) for the design, construction, operation and maintenance of the proposed AD & Manure Treatment Plant for the town of Mafikeng.</p>	

500m

0m



Min Easting 49112.26, Min Northing 78080.99, Max Easting 49512.26, Max Northing 78580.99

0m

400m

MEPA - www.mepa.org.mt

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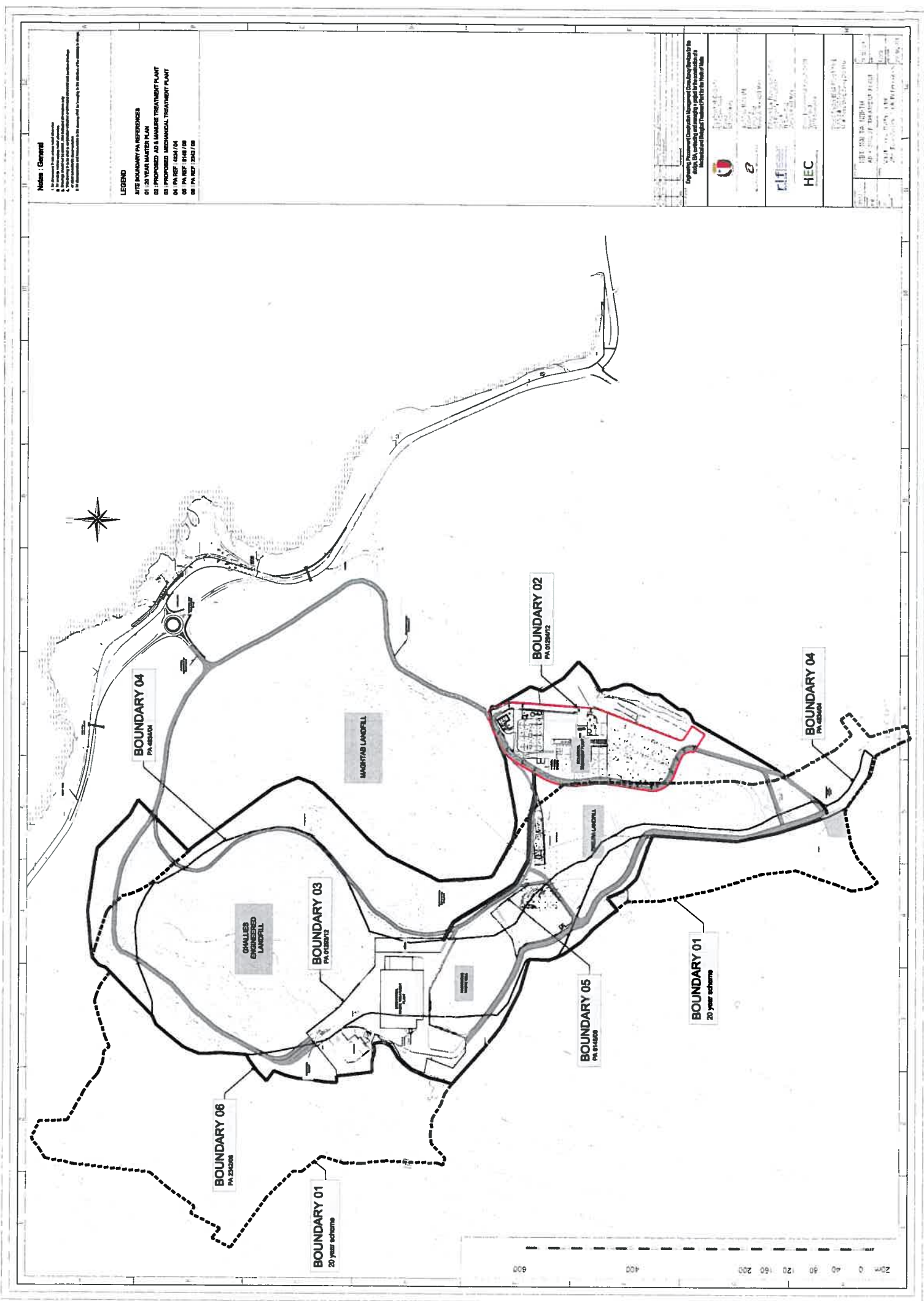
Site Plan, Scale 1:2500
Printed on: Monday, September 29, 2014

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Eric Formosa
Architect

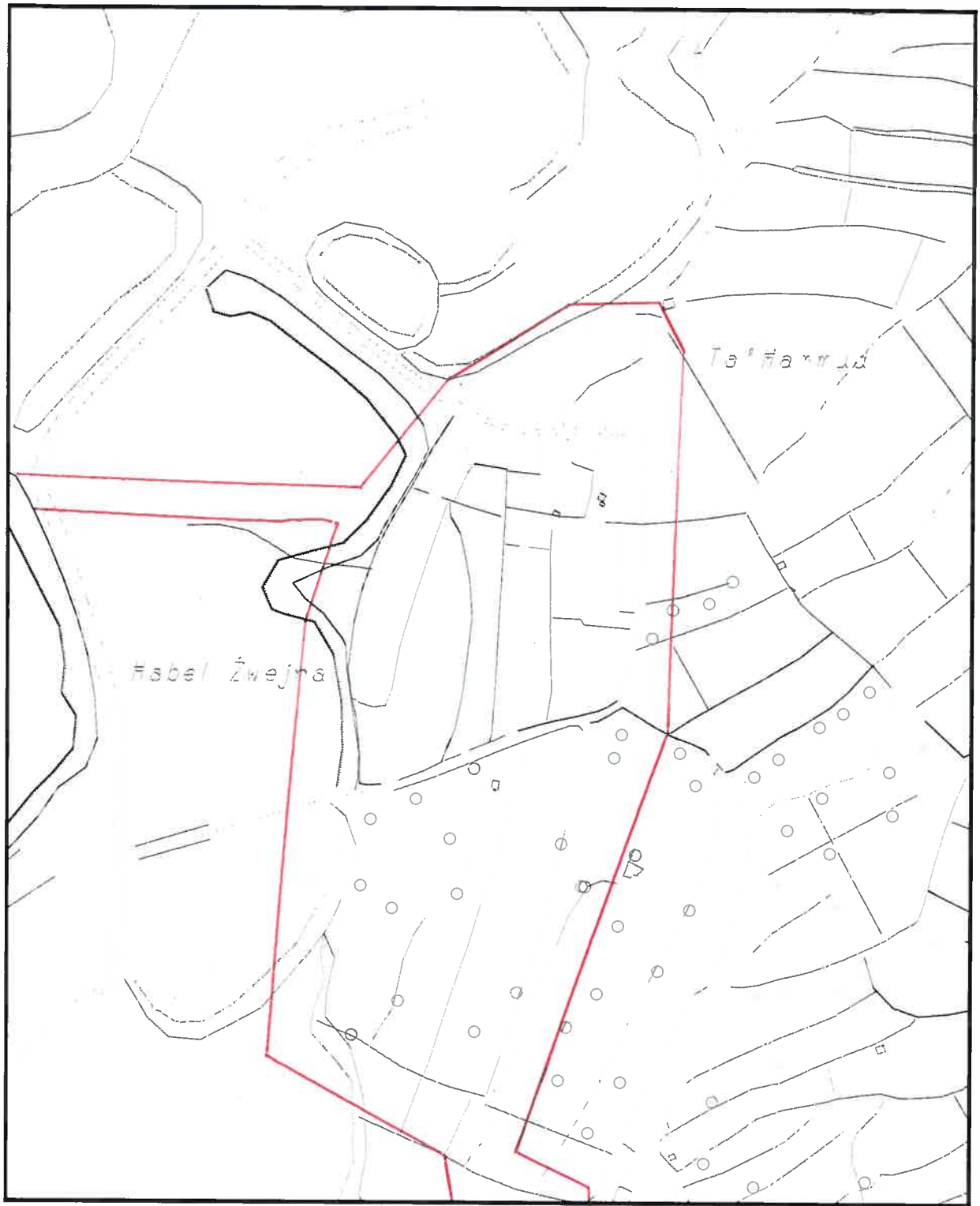
WasteServ Malta Limited





500m

0m



Min Easting 49544.64, Min Northing 77794.71, Max Easting 49944.64, Max Northing 78294.71

0m

400m

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