

**Ewa Babiarczyk**

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**Subject:** FW: W0234-01

**Attachments:** Sean M Civil Drawings leachate storage tanks.pdf; Sean M civil Drawings proposed layout.pdf

**From:** Michael Storan [mailto:michael.storan@veolia.ie]  
**Sent:** 22 June 2007 10:40  
**To:** Yvonne Furlong  
**Subject:** RE: Leachate Storage Tank

Hi Yvonne,

Please find attached details of the leachate collection tank and its location on site for the Waterford City Council Compost Facility.

The civil works are to commence on Monday 25<sup>th</sup> June 2007.

If you need any additional information please contact me.

Yours Sincerely,

Mick Storan  
Compost Facility Manager

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**From:** Yvonne Furlong [mailto:Y.Furlong@epa.ie]  
**Sent:** 21 June 2007 16:35  
**To:** Michael Storan  
**Subject:** Leachate Storage Tank

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Hi Michael,

Any drawings or information on the proposed leachate storage tank for Waterford City Composting Facility (W0234-01) would be much appreciated.

*Best Regards*  
*Yvonne Furlong*

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Inspector  
Licensing Unit  
Office of Licensing & Guidance  
Environmental Protection Agency  
PO Box 3000  
Johnstown Castle Estate  
Co. Wexford

Telephone: 053 9170709  
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Email: [y.furlong@epa.ie](mailto:y.furlong@epa.ie)  
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26/06/2007

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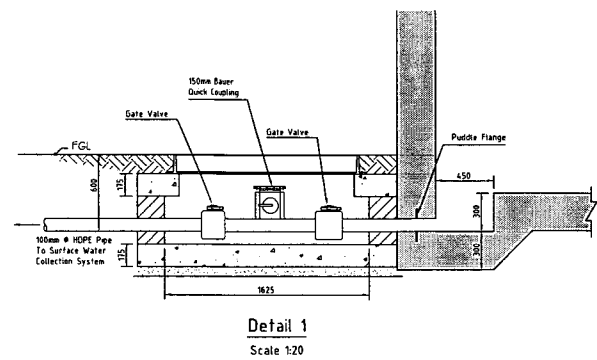
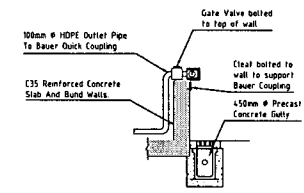
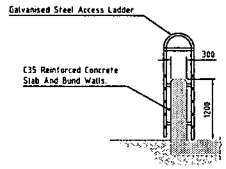
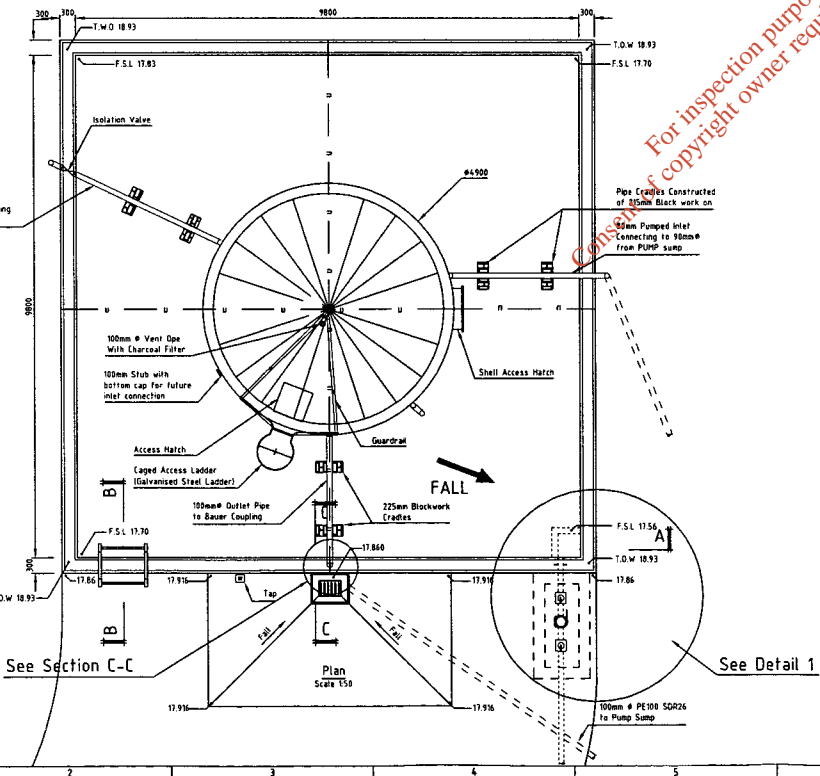
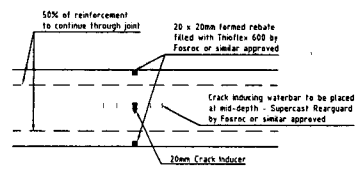
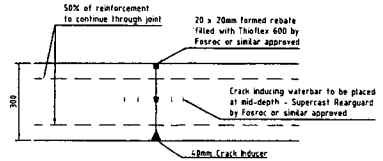
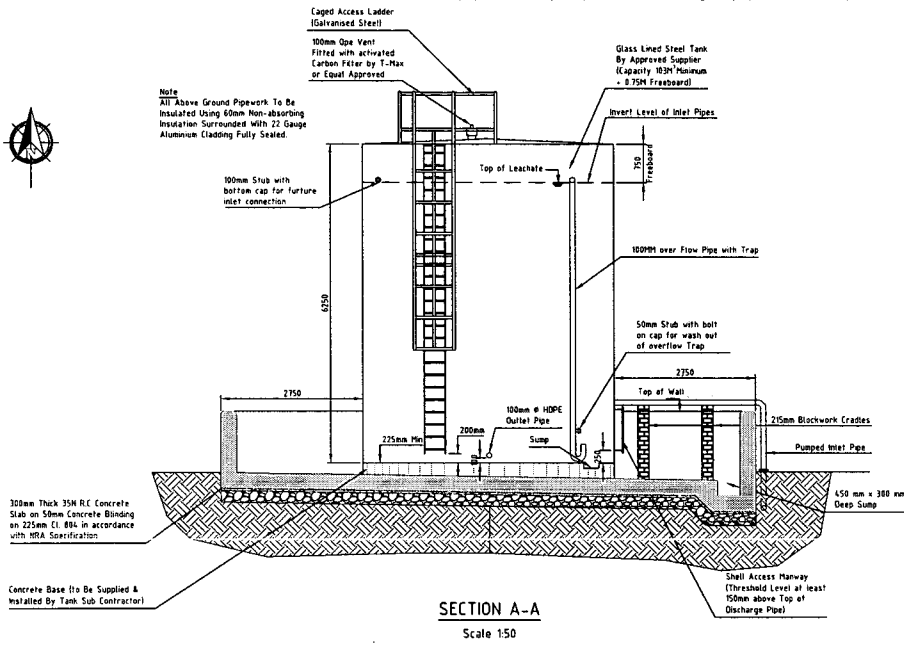
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- Notes:**
- This drawing is to be read in conjunction with all other Engineer's drawings.
  - This drawing is not to be scaled.
  - Any queries or discrepancies are to be referred to the Engineer immediately.
  - All dimensions are in millimeters unless otherwise stated.
  - Ground bearing capacity of 100kN/m<sup>2</sup> is assumed. This to be verified prior to construction of tank bund by plate bearing tests.
  - All exposed vertical concrete to have fair-faced finish.
  - Tops of bund walls to have steel float finish.
  - Bund floor to have brushed finish in the direction of grade.
  - All exposed concrete edges to have 25 x 25 mm chamfer.
  - Inside faces of bund wall and bund floor to be coated with HC DOR 188 by HC Building Chemicals Muller and Partners or equal approved water based epoxy resin resistant to leachate.
  - Glass lining internally shall extend over concrete base pour. Alternative proposals for sealing the tank base will be considered.
  - All internal tank materials shall be capable of withstanding the chemical effects of leachate for the service life of the tank. Refer to Particular Specification Appendix 3 for details of typical leachate composition.
  - The tank shall be tested in accordance with Section 4.3 of the Particular Specification for watertightness prior to commissioning.
  - Refer to drawing 2006-289-02-105 for existing services details.
  - Refer to drawing 2006-289-02-401 for proposed services details.
  - Refer to drawing 2006-289-02-403 & 404 for reinforcement details.
  - All above-ground pipework to be cement lined ductile iron.
  - All pipework connections to be flanged and bolted.
  - Refer to Specification Section 4.3 for works specification.

**FAHY TIMONEY & COMPANY**  
**DRAFT**  
PROJECT NO: 2006-289-02-402  
DATE: 24.11.06  
SCALE: 1:50  
DRAWN BY: J. O'NEILL  
CHECKED BY: J. O'NEILL

Rev.	Description	Issue Date	By	Check	Date
1	ISSUE FOR TENDER	24.11.06	J. O'NEILL	J. O'NEILL	24.11.06

Name of Client  
**WATERFORD COUNTY COUNCIL**

Name of Job  
**WATERFORD COUNTY COUNCIL IMMEDIATE CIVIL WORKS**

Title of Drawing  
**LEACHATE STORAGE TANK DETAILS**

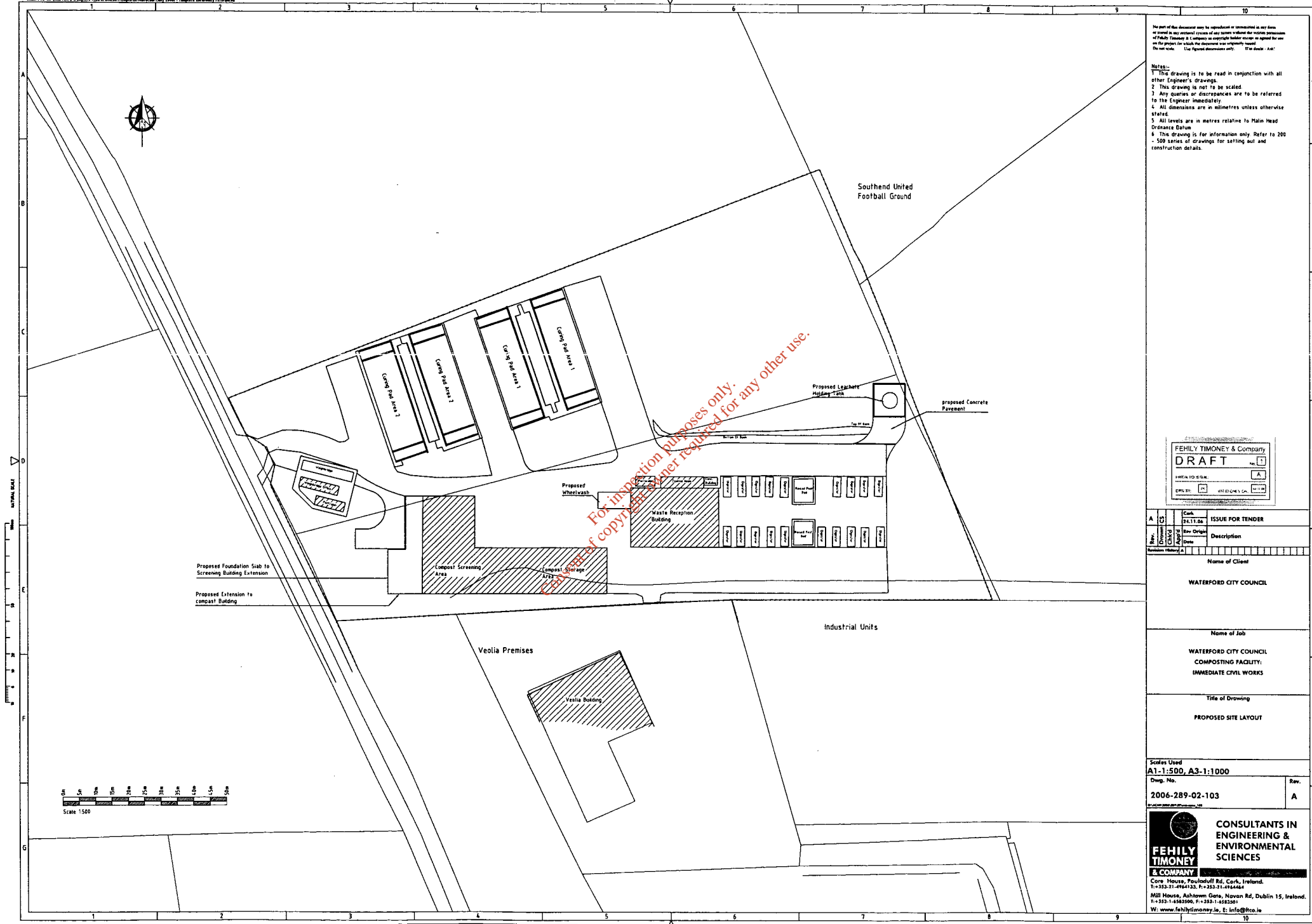
Scales Used  
**A1-1:50, A3-1:100**

Dwg. No.  
**2006-289-02-402**

Rev.  
**A**

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Notes:  
 1. This drawing is to be read in conjunction with all other Engineer's drawings.  
 2. This drawing is not to be scaled.  
 3. Any queries or discrepancies are to be referred to the Engineer immediately.  
 4. All dimensions are in millimetres unless otherwise stated.  
 5. All levels are in metres relative to Main Head Ordnance Datum.  
 6. This drawing is for information only. Refer to 200 + 500 series of drawings for setting out and construction details.

FEHILY TIMONEY & Company  
**DRAFT**  
 PROJECT NO. 2006-289-02-103  
 DATE 24.11.06  
 DRAWN BY: [Signature]  
 CHECKED BY: [Signature]

Rev. No.	Rev. Date	Description
A	24.11.06 <td>ISSUE FOR TENDER</td>	ISSUE FOR TENDER

Name of Client  
**WATERFORD CITY COUNCIL**

Name of Job  
**WATERFORD CITY COUNCIL  
 COMPOSTING FACILITY:  
 IMMEDIATE CIVIL WORKS**

Title of Drawing  
**PROPOSED SITE LAYOUT**

Scales Used  
**A1-1:500, A3-1:1000**

Draw. No.	Rev.
2006-289-02-103	A

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