

# Comhairle Cathrach Chorcaí Cork City Council



CITY HALL  
CORK

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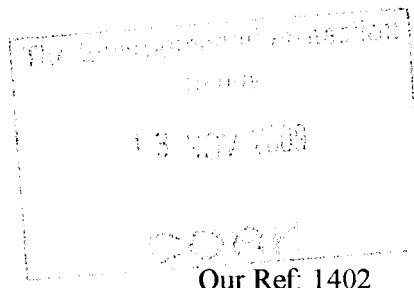
Kinsale Road Landfill Site  
Landfill Office

Tel: 021-4705911  
Fax: 021-4319930



Ms. Sonja Smith,  
Licensing Unit,  
Office of Climate, Licensing & Resource Use,  
Environmental Protection Agency,  
Regional Inspectorate,  
Inniscarra,  
County Cork.

12<sup>th</sup> November 2009



**Re: Waste Licence Review – Letter from EPA dated 28<sup>th</sup> September 2009**

Dear Ms. Smith,

I refer to letter dated 28<sup>th</sup> September 2009 from Mr. Stuart Huskisson, Inspector, Office of Climate, Licensing & Resource Use, to Mr. Michael O'Brien, Senior Engineer, Cork City Council, regarding the City Councils application for a waste licence review of the Kinsale Road Landfill Site, and Cork City Councils letter to the Agency dated 29<sup>th</sup> October 2009 - Ref: 1399

We wish to respond to the queries raised by Mr. Huskisson as follows:

**Composting;**

- (i) Leachate from the compost/facility area drains to road gullies in the concrete slab and then via a manhole chamber to Pump Sump No1 on the main leachate collection system. - See attached Drawing No.LW09-011-04-002 – (Rev A 12/11/09) entitled: Location of Leachate connection from Composting Area.
- (ii) The dimensions of the concrete slab for storing the compost are approximately 55.0 metres x 30.0 metres (1650 m<sup>2</sup>). The compost is produced in static piles, which can measure up to 4.0 metres in height. Assuming that approximately 1/3 of the area of the slab is required for vehicle movements and for turning the piles, this leaves 1,100 m<sup>2</sup> available for compost storage. Allowing for an average static pile height of 2.5 meters, up to 2,750 m<sup>3</sup> of compost could be stored on the concrete slab, providing more than adequate space for the increased maximum permissible quantity of 2,400 m<sup>3</sup> being sought.
- (iii) There are no proposed additional works at the composting facility at present.
- (iv) Compost shall be produced using the static pile method (as per the current practice). The pile shall be completely turned once a week to maintain aerobic conditions.  
Monitoring of the composting process shall continue as per the requirements set out in Schedule F of the current waste licence (W0012-02). In addition, the following parameters shall continue to be monitored:
  - Moisture Content – measured weekly
  - Temperature – measured daily
  - Oxvgen – measured daily

Emissions resulting from the composting process shall be managed in the following manner:

- Leachate shall be collected and managed as per (i) above. The collection sump shall be kept free of compost and other large particles that may cause blockages.
- Dust shall be minimised through strict management of the operations. Turning of the static pile shall not occur during high winds. This should help minimise odours also. All complaints shall be dealt with as per our complaints procedure OP/17 Recording of Complaints / Suggestions and recorded on the Complaints Form SF 12.

**Storm Water/Sewer Network Plan**

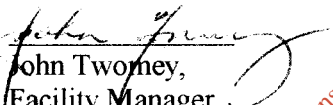
Please see Drawing No. LW09-011-04-003 (Rev A – 12/11/09) entitled: “Layout Plan of Site Storm, Leachate and Foul Water Collection System”

I enclose the following:

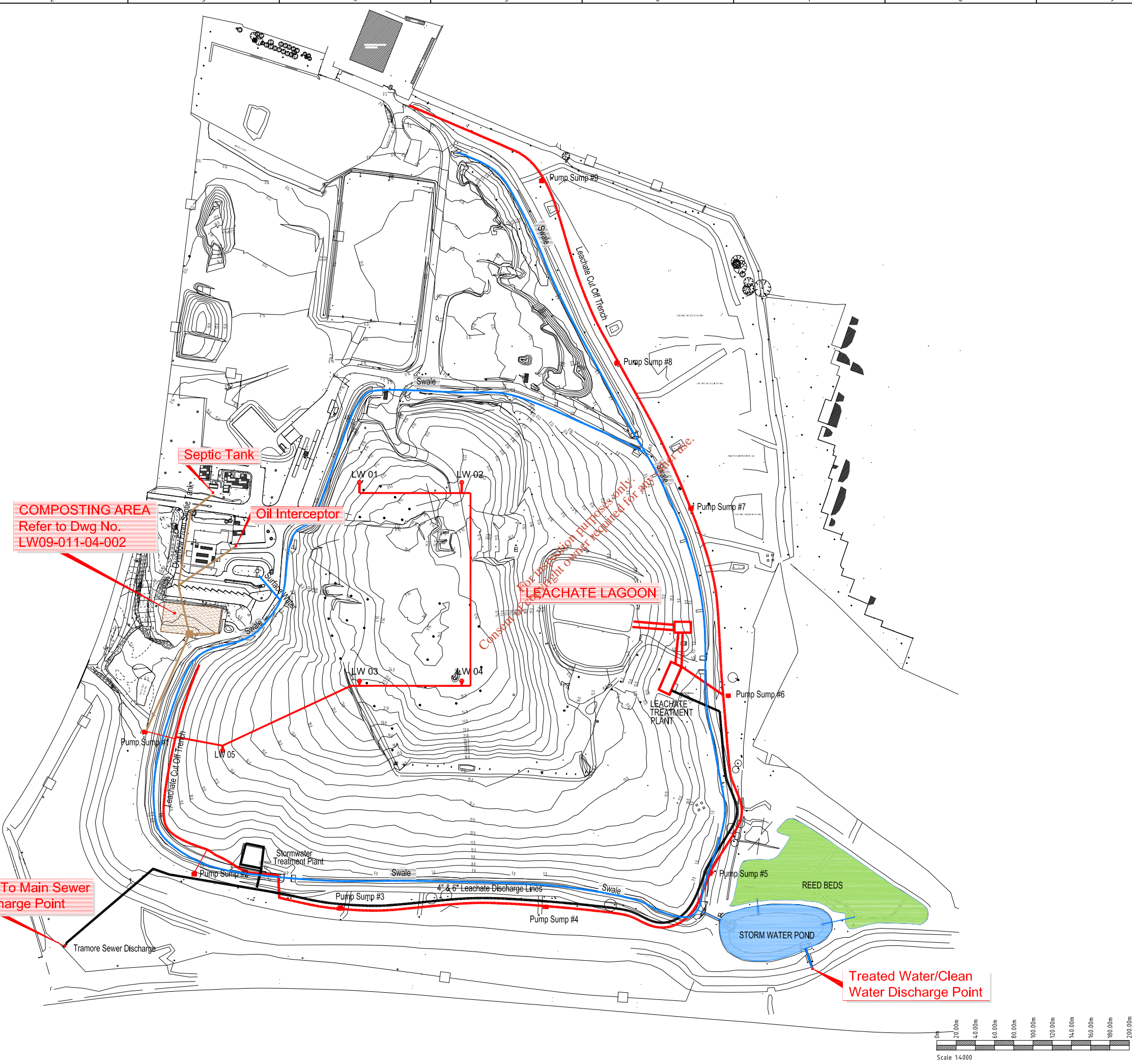
- 4 No. copies of Drawing No. LW09-011-04-002 – (Rev A 12/11/09) entitled: “Location of Leachate connection from Composting Area”.
- 4 No. copies of Drawing No. LW09-011-04-003 (Rev A – 12/11/09) entitled: “Layout Plan of Site Storm, Leachate and Foul Water Collection System”
- CD of above drawings

I trust this is to the satisfaction of the Agency

Yours sincerely,

  
John Twomey,  
Facility Manager,  
Kinsale Road Landfill Site.

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**LEGEND**

- SURFACE WATER COLLECTION
- LEACHATE COLLECTION
- DISCHARGE SYSTEM TO PUBLIC SEWER
- FOUL WATER COLLECTION

Rev.	Drawn	SK	PK	Appd	Rev Origin	Date	Description
A					Cork	12.11.09	ISSUE FOR INFORMATION

**Name of Client**  
CORK CITY COUNCIL

**Name of Job**  
PREPERATION OF SUBMISSION TO EPA REGARDING WASTE LICENCE REVIEW

**Title of Drawing**  
LAYOUT PLAN OF SITE  
STORM, LEACHATE & FOUL  
WATER COLLECTION SYSTEM

**Scales Used**  
1:4000  
This Drawing was printed to A3

**Dwg. No.**  
LW09-011-04-003

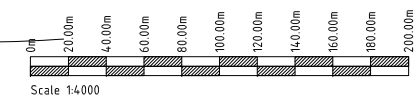
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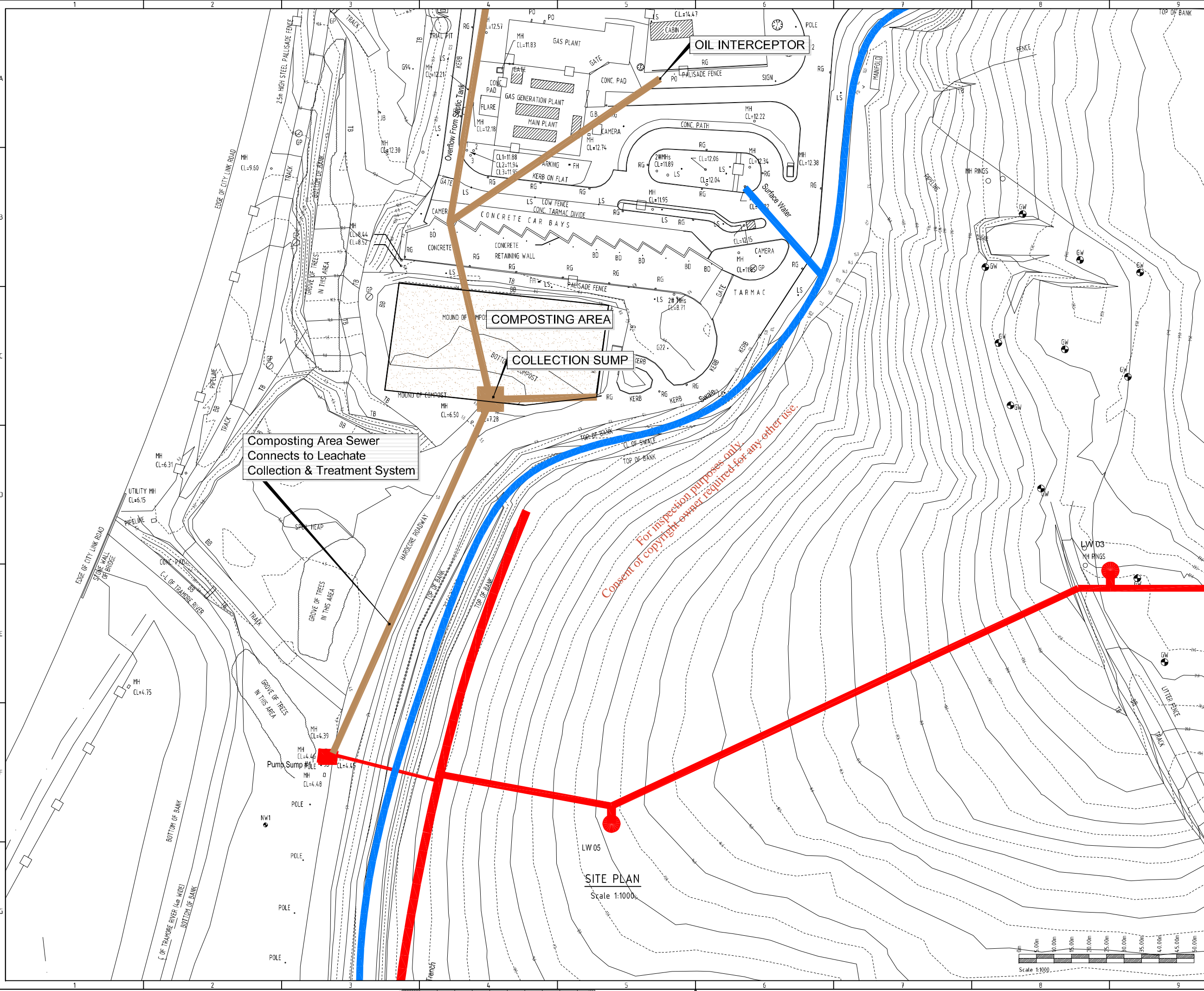
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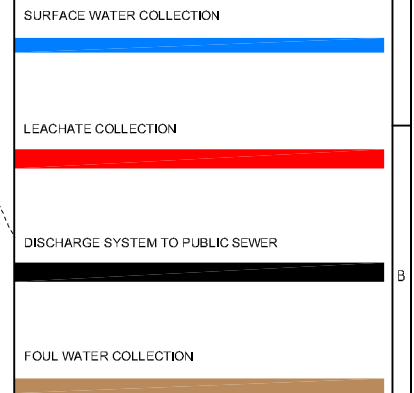


Composting Area Sewer Connects to Leachate Collection & Treatment System

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SITE PLAN  
Scale 1:1000

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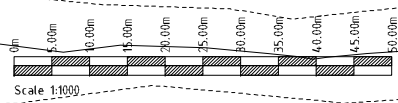
**Name of Job**  
PREPARATION OF SUBMISSION TO EPA REGARDING WASTE LICENCE REVIEW

**Title of Drawing**  
LOCATION OF LEACHATE CONNECTION FROM COMPOSTING AREA

Scale Used	This Drawing was printed to
1:1000	A3
Dwg. No.	Rev.
LW09-011-04-002	A

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SCALE - VERTICAL

SCALE - HORIZONTAL