

VOLUME 3 - APPENDICES

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Suirbhéireacht Gheolaíochta Éireann
Tor an Bhacaigh
Bóthar Haddington
Baile Átha Cliath 4



Geological Survey of Ireland
Beggars Bush
Haddington Road
Dublin 4

Susan Mahon
Oxigen Environmental Ltd.
Merrywell Industrial Estate
Ballymount Road Lower
Dublin 22

Irish Geological Heritage Section
Email: sophie.preteseille@gsi.ie
Tel: 01-6782741
<http://www.gsi.ie>

4th March 2010

Re: Proposed additional Processing Building for the Pre-Treatment of Municipal solid Waste of Oxigen Environmental Ltd, at their existing waste recycling and processing facility at Merrywell Industrial Estate, Ballymount road Lower, Clondalkin, Dublin 22

Our Ref. 10/20

Dear Ms Mahon,

With reference to your letter of the 15th February 2010, concerning the above proposed additional facilities, the Irish Geological Heritage Programme (IGH) would like to make the following comments.

For your information, the Geological Survey of Ireland (GSI) is in partnership with the National Parks and Wildlife Service (NPWS) of the Department of Environment, Heritage and Local Government to identify and select important geological and geomorphological sites throughout the country for designation as NHAs (Natural Heritage Areas). This is being addressed under 16 different geological themes. For each theme a larger number of sites from which to make the NHA selection are being examined, in order to identify the most significant scientifically. Our criterion of designating the minimum number of sites to exemplify the theme means that many sites of national importance are not selected as the very best examples. However, a second tier of County Geological Sites (CGS) (as per the National Heritage Plan) means that many of these can be included in County Development Plans and receive a measure of recognition and protection through inclusion in the planning system. Please note that we are still in the process of finalizing these proposed sites.

There are no geological heritage sites currently on our database that lie within the proposed site.

Should development go ahead (all other factors considered), GSI would much appreciate a copy of reports detailing any site investigations carried out. The data would be added to GSI's national database of site investigation boreholes, implemented to provide a better service to the civil engineering sector.

GSI would also request notification of ground excavations, etc. undertaken that might provide good geological exposures for our examination. This would allow recording and gathering of new data in order to enhance our understanding of the area.

Should any significant bedrock cuttings be created, we would ask that they be designed to remain visible as rock exposure rather than covered with soil and vegetated.

P.T.O.



Please note that some maps/databases are available on the GSI website under "Online Mapping" or "Web Mapping"- direct link: <http://www.gsi.ie/Mapping.htm> . Data currently available is for Bedrock, Groundwater, Karst, Geotechnical boreholes, Mineral locations and the Quarry Directory. Geological Heritage data is in the process of being migrated to this website, but please continue to contact me at sophie.preteseille@gsi.ie or Sarah Gatley at sarah.gatley@gsi.ie for any specific geological heritage enquiry directly.

I hope that these comments are of assistance, and if the GSI can be of any further help, please contact me.

Kind regards,



Sophie Préteseille
Irish Geological Heritage Programme

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Dear Sir/Madam,

Re: Environmental Impact Assessments (EIA)/Environmental Impact Statements (EIS)

Thank you for your enquiry. Unfortunately, the Groundwater Section does not have the resources to assess, or make observations on, specific EIAs/EISs.

However, we do advise that when considering environmental impacts of planned activities/developments that all of the Groundwater Section's datasets are taken into consideration. These data comprise:

1) **National Maps**, which can be obtained from the GSI's website (www.gsi.ie), and include:

- *Generalised Bedrock Map*, which groups the different Irish bedrock formations (>1000) into 28 classes based on their stratigraphy and the main lithological and structural properties that influence their groundwater flow properties;
- *Bedrock Aquifer Map*: subdivides Irish bedrock into three main categories and seven sub-categories depending on their specific aquifer properties;
- *Gravel Aquifer Map*: identifies the Irish sand/gravel deposits that function as aquifers and sub-divides them into two categories depending on their specific properties;
- *Interim Vulnerability Map*, which is a composite map comprising (i) full¹ and interim² vulnerability mapping undertaken by the GSI for Local Authorities (i.e. the Groundwater Protection Schemes – 11 available digitally) and (ii) interim vulnerability mapping undertaken by consultants working for one or more of each of the seven River Basin Districts (RBDs);
- *Source Protection Areas Map*, which constitute the outer (zone contributing groundwater to the abstraction point) and inner (estimated 100 day time of travel of the groundwater to the abstraction point) source protection areas delineated by the GSI (120 sources) and other consultants (5 sources).

2) **National Data**, which can be requested from Groundwater Section enquiries desk (Groundwaterinfo@gsi.ie), and include:

- *Groundwater Body (GWB) Delineation and Descriptions*: subdivision of the aquifers based on their flow regime and no-flow boundaries. Each GWB is fully described, with all available data and information sources referenced.
- *Wells Database*: c.36,000 wells and boreholes, from different sources, with varying amounts of information e.g. location, depth to bedrock, yields.
- *Karst Features Database*: c.4,000 recorded features with varying amounts of information.
- *Karst Tracer-Tests Database*: c.275 recorded connections with varying amounts of information.

¹ Full vulnerability maps comprise up to five vulnerability classes – E (Rock near Surface or Karst), Extreme, High, Moderate and Low).

² Interim vulnerability maps comprise three vulnerability classes – E (Rock near Surface or Karst), Extreme and undifferentiated High-Low.



3) Other Reports

- *Groundwater Protection Scheme (GWPS) Reports*: more recent (digital) GWPSs are available for 11 counties, older schemes are available for 4 counties and 2 are due to be completed in 2007 (Groundwaterinfo@gsi.ie).
- *Source Protection Reports*, which describe all available information for the particular source and how the source protection zones were delineated (Groundwaterinfo@gsi.ie).
- *Various historic reports*, which can be obtained on the Document Management System (via the GSI's Customer Centre).

It is hoped that most of these data will be soon available through the website. In the meantime, when making an enquiry, please supply a location map and/or grid coordinates in order to facilitate the data search.

Other useful and related data can be found on Water Framework Directive Ireland website (<http://www.wfdireland.ie>)

I hope that you find this information of use.

Yours faithfully,

Monica Lee.
Groundwater Section.

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ÚDARÁS EITLÍOCHTA NA HÉIREANN
IRISH AVIATION AUTHORITY

TEACH EITLÍOCHTA, SRAID HÁICÍN, BAILE ÁTHA CLATH 2, EIRE
AVIATION HOUSE, HAWKINS STREET, DUBLIN 2, IRELAND
T: (01) 671 8655 F: (01) 679 2934
www.iaa.ie

1 March 2010

Ms Susan Mahon, Facility Development & Planning Officer
Oxigen Environmental Ltd.
Merrywell Industrial Estate
Ballymount Road Lower
Dublin 22

Dear Ms Mahon

I refer to your query of 15 February 2010 to the Irish Aviation Authority concerning a proposed additional processing facility at your plant in Clondalkin, Dublin 22.

I wish to advise that provided no putrescible waste is stored or handled in the open we have no observations on your proposals.

Yours sincerely

Tom Cooney
Corporate Affairs

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Our Ref: **100411/TAN**

26th February, 2010

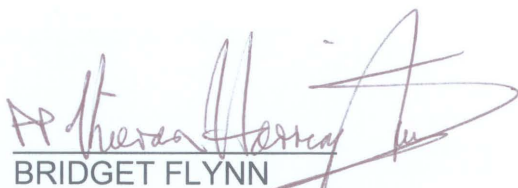
Ms Susan Mahon
Facility Development & Planning Officer
Oxigen Environmental Ltd
Merrywell Industrial estate
Ballymount Road Lower
Dublin 22

Dear Ms Mahon,

I wish to acknowledge receipt of your recent letter to the Tánaiste and Minister for Enterprise, Trade and Employment, Ms. Mary Coughlan T.D., regarding the proposed additional Processing Building for the Pre-Treatment of Municipal Solid Waste for Oxigen Environmental Ltd at their existing waste recycling and processing facility at Merrywell Industrial Estate, Ballymount Road Lower, Clondalkin, Dublin 22.

I will bring your correspondence to the Tánaiste's attention at the earliest opportunity.

Yours sincerely,


BRIDGET FLYNN
PRIVATE SECRETARY



Comhshaol, Oidhreacht agus Rialtas Áitiúil
Environment, Heritage and Local Government



Oifig an Aire
Office of the Minister

Please Quote Ref: REP1194/JG/10

18 February, 2010.

Ms. Susan Mayhon,
Facility Development & Planning Officer,
Oxigen Environmental Ltd.,
Merrywell Industrial Estate,
Ballymount Road Lower,
Dublin 22.

Dear Ms. Mayhon,

I have been asked by Mr. John Gormley, T.D. Minister for the Environment, Heritage and Local Government, to acknowledge receipt of your recent letter in connection with Oxigen Environmental Ltd..

A further letter on this matter will issue to you as soon as possible.

If you wish to receive this reply by e-mail please send your e-mail address, quoting the above reference number to: minister@environ.ie.

Yours sincerely,


Eddie Kiernan
Private Secretary

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Connecting You to

Land Use, Economic and Transport Planning Department.
County Hall, Tallaght, Dublin 24.

Telephone: 01 4149000

Fax: 01 4149104

Email: planning.dept@sdblincoco.ie

Oxigen Environmental Ltd.
Merrywell Industrial Estate
Lower Ballymount Road
Ballymount
Dublin 12

Date: 23-Feb-2010

**PLANNING & DEVELOPMENT ACT, 2000 AND PLANNING
REGULATIONS THEREUNDER**

Register Reference: SCOPE10/0001

Development: Additional processing building for pre-treatment of municipal solid waste.

Location: Merrywell Industrial Estate, Lower Ballymount Road, Ballymount, Dublin 12

Applicant: Oxigen Environmental Ltd. Merrywell Industrial Estate, Lower Ballymount Road, Ballymount, Dublin 12

Application Type: Scoping Request

Registered Date: 18-Feb-2010

Dear Sir/ Madam,

With reference to the above, I acknowledge receipt of your Scoping Request received on 18-Feb-2010.

As required by Article 95(2) of the Planning and Development Regulations 2001, you are hereby advised that the Scoping Request has been referred to the following: South Dublin County Council's Roads Dept., Environmental Services Dept. (Environmental Waste and Pollution Control Sections), Development Plan Team, Heritage Officer; Environmental Protection Agency, Environmental Health Officer, Health and Safety Authority.

A submission may be made in relation to the information to be contained in the Environmental Impact Statement within 4 weeks of the registered dated above.

Yours faithfully,

Mary Crowley

.....
For **Senior Executive Officer**

Ms. Susan Mahon
Facility Development & Planning Officer
Oxigen Environmental Ltd.
Merrywell Industrial Estate
Ballymount Road Lower
Dublin 22

Teach Naomh Máirtín / Bóthar Waterloo / Baile Átha Cliath 4
St. Martin's House / Waterloo Road / Dublin 4
Teil: / Tel: + 353 1 660 2511 Facs: / Fax: + 353 1 668 0009

Dáta | Date 15 March 2010

Ár dTag. | Our Ref.

NRA10 77532

Bhur dTag. | Your Ref.

Re: Proposed Additional Processing Building for the Pre-treatment of Municipal Solid Waste for Oxigen Environmental Ltd. at their existing waste recycling and processing facility at Merrywell Industrial Estate, Ballymount Road Lower, Clondalkin, Dublin 22.

Dear Ms. Mahon

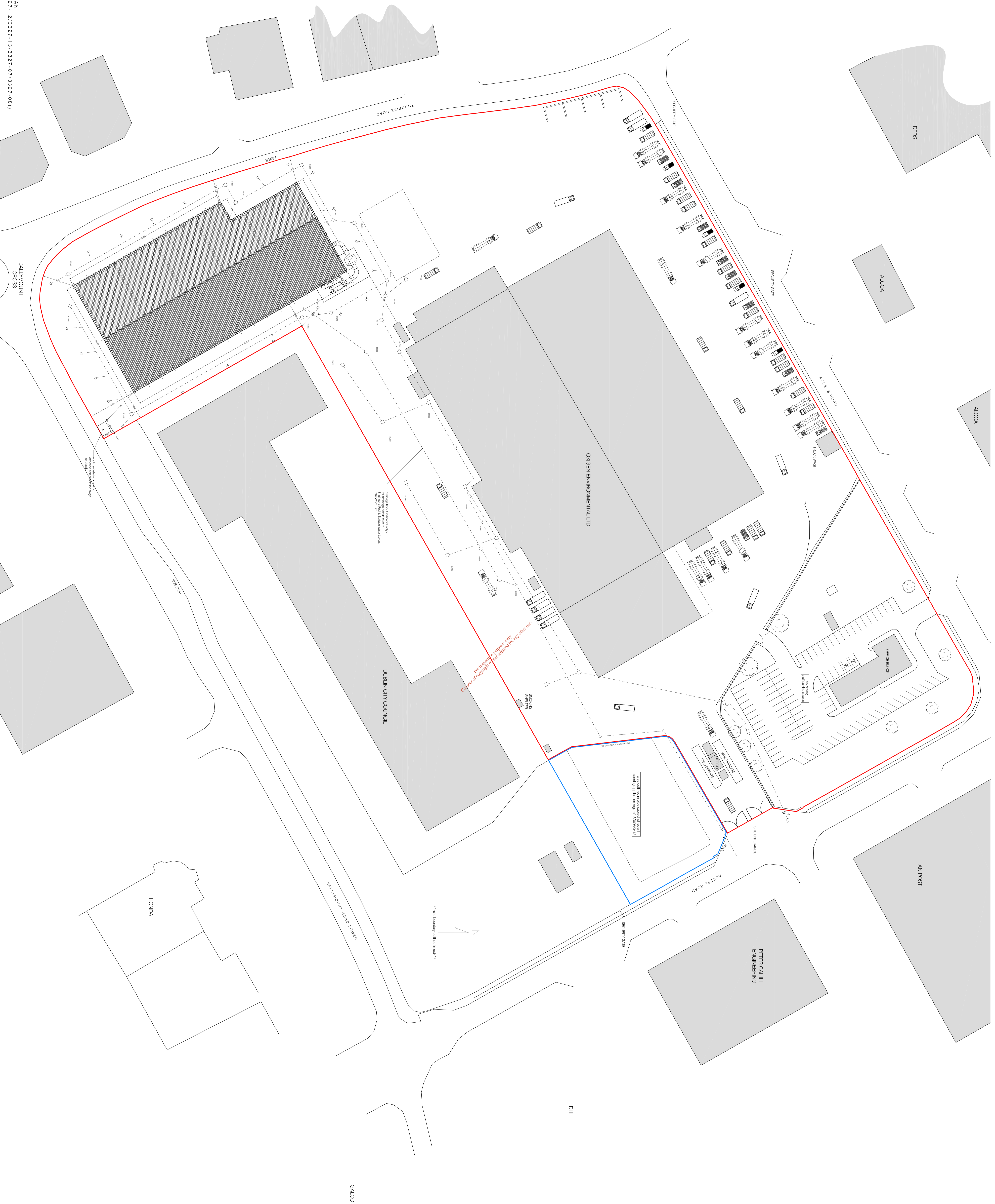
Thank you for your letter of 15 February 2010 regarding the above.

The Authority is not in a position to deal with your request due to inadequate information provided in your correspondence.

Yours sincerely



Olivia Morgan
Programme & Regulatory Unit



| NO. | DATE | DESCRIPTION | CHANGED BY | DATE |
|-----|------|-------------|------------|------|
| | | | | |
| | | | | |
| | | | | |

PLANNING
Department of the Environment, Heritage and Local Government

GARETH BRENNAN ARCHITECT
 72 LESTER AVENUE, NORTH STRAND, DUBLIN 3
 T: 01 4523098 F: 01 4523013 M: 089 8262407
WWW.BRENNANARCHITECTS.COM

CLIENT:
 OMBEN ENVIRONMENTAL LTD

PROJECT:
 PROPOSED ADDITIONAL PROPOSED BUILDING FOOTPRINTS IN REFORMED INDUSTRIAL ZONE, BALLYMOUNT ROAD, DUBLIN 12.

DRAWING NUMBER:
 06.07.0005

DRAWING NAME:
 PROPOSED SITE PLAN

REVISION:

SCALE:
 1:500 @ A4

DATE:
 02/03/2013



| Rev | Date | Description | By | Check |
|-----|------------|-------------|----|-------|
| D01 | 20/02/2010 | DRAFT | DM | GT |

Client:
OXIGEN ENVIRONMENTAL

Project:
MERRYWELL ESTATE INTEGRATED WASTE MANAGEMENT FACILITY

Title:
FOUL AND SURFACE WATER LAYOUT

Scale @ A1: **1:500**
 Prepared by: **D. Mitchell** Checked: **G. Turley** Date: **February 2010**
 Project Director: **David Conneran**
 Drawing Status: **PLANNING**

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Drawing No: **5993-2001** D01