

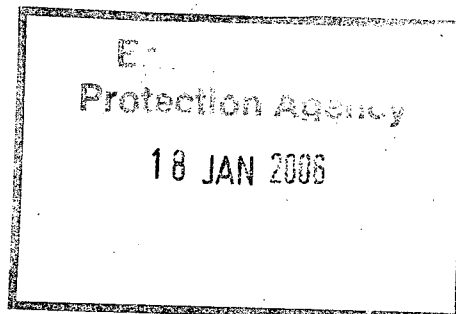
Block 10-3, Blanchardstown Corporate Park, Dublin 15

PH +353 (0) 1 803 0401 FAX +353 (0) 1 803 0410 EMAIL administration@tesltd.ie WEBSITE www.tesltd.ie

Northpoint House, Northpoint Business Park, New Mallow Road, Cork

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Administration,
Waste Management Licensing,
Environmental Protection Agency,
PO Box 3000,
Johnstown Castle Estate,
County Wexford.



17th of January 2005

**Re: 223-1 Waste Licence Application for Kilshane Cross Recycling Park,
Newtown, Kilshane Cross, Dublin 15.**

FAO: Sonya Smith

Dear Ms. Smith,

On behalf of our client Fingal County Council, please find attached an original and two copies of additional information that was sent to An Bord Pleanála on the 10th of January 2006, in relation to the planning application for the above project.

This information consists of generic plan and elevation options for the proposed Biological Treatment Facility. Generic details are given for both the composting facility and for two possible options for the Anaerobic Digestion facility. The plans indicate the type of building that would be built, encompassing the area outlined in black on the site layout drawing (Drawing No. 1234/01/405), the maximum height of the building and various elements of the building.

If you require any further information, please do not hesitate to contact me.

Yours sincerely,



Dermot Burke B.E., M.Eng.Sc., M.I.E.I.,
Project Manager, TES Consulting Engineers.
On behalf of Fingal County Council.

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Ms. Siobhan White,
Executive Officer,
An Bord Pleanála,
64 Marlborough Street,
Dublin 1.

10th January 2006

An BP REF: 06F.EL2045

RE: Kilshane Cross Recycling Park, Newtown, Kilshane Cross, Dublin 15

Dear Ms. White,

Referring to your letter, dated the 8th of December 2005, requesting additional information in relation to the Kilshane Cross Recycling Park, please find enclosed the information as required.

In your letter you request:

(a) Is it envisaged that the area outlined in black and identified as the Biological Waste Treatment Facility will be enclosed by a building? If so the maximum height of this building should be indicated and plans of the building should be submitted.

Fingal County Council wish to develop the Biological Waste Treatment Facility (BTF) through the Design-Build-Operate (DBO) process and thus the final design of the facility at this stage cannot be finalised. The Kilshane Cross BTF will be procured under a Public Private Partnership and delivered through the DBO mechanism. The EIS and supplementary drawings of the proposed BTF submitted herewith, aim to provide flexibility to enable fair competition amongst bidders for alternative biological treatment technologies and approaches.

The plans indicate the type of building that would be built, encompassing the area outlined in black on the site layout drawing (Drawing No. 1234/01/405), the maximum height of the building and various elements of the building.

The drawings attached represent two biological treatment options; Composting and Anaerobic Digestion (AD). In addition, two process options are given for the AD treatment Process - Wet and Semi-Dry waste AD processing, and are numbered as follows:

DIRECTORS SE Finlay (Executive Chairman) BSc, PGeo, CEng, FIMM, FIEI • DM Grehan (Operations) BE, MEngSc, CEng, MIEI • P Miskella (Commercial) BE, CEng, MIEI

A Brinkmann MSc (Dutch) • BJ Downes BE, MProjMgmt, CEng, MIEI • MF Garrick BE, MEngSc, MBA, CEng, FIEI, MCIWEM, MCons EI • RF Tobin BE, MBA, CEng, FIEI

Eurling LE Waldron BE, MBA, CEng, FIEI, MCIWEM, MCons EI • **COMPANY SECRETARY** EJ Harrigan BComm, HDipEd, MBA, ACMA, IACT • **SENIOR CONSULTANT** A Butler BE, MSc, CEng, FIEI

| Drawing Number | Title | Scale |
|----------------------|--|--|
| MDR0321DG0003 AO1 | Indicative Building Plan for Kilshane Composting Plant | 1:500 @ A1 |
| MDR0321DG0004 AO1 | Indicative Building Elevations for Kilshane Composting Plant | 1:500 @ A1, as agreed with Executive Officer Siobhan White |
| MDR0321DG0005 AO1 | Indicative Site Building Plan for Kilshane Anaerobic Digestion Wet Plant | 1:500 @ A1 |
| MDR0321DG0006 AO1 | Indicative Building Plan for Kilshane Anaerobic Digestion Semi-Dry Plant | 1:500 @ A1 |
| MDR0321DG0007 AO1 | Indicative Elevations for Kilshane Anaerobic Digestion Plants | 1:500 @ A1, as agreed with Executive Officer Siobhan White |

The drawings provided are indicative and represent maximum building and ancillary plant envelopes and dimensions. Some variation to the dimensions and design details of proposed buildings and ancillary plant may arise at the detailed design stage and will depend on the appointed service provider.

Some changes to the internal layout, process flows and proprietary systems employed may also arise and will again depend on the appointed service provider.

Any modifications to the proposed facility will only be undertaken provided that they have no additional environmental impacts to those identified within the EIS.

(b) In the event of it not being envisaged that the area outlined in black and referred to as the Biological Waste Treatment Facility will be enclosed by a building please indicate the maximum size and height of the buildings envisaged. Please also indicate the maximum height of plant and stacks envisaged in this area.

It is envisaged that if the BTF is not developed as a composting facility, then an Anaerobic Digestion (AD) facility would be developed to biologically treat the organic waste. Again, Fingal County Council would wish to develop the AD facility through the DBO process and thus the final design of the AD facility at this stage cannot be finalised. We therefore submit generic plans and elevations for the AD facility at this stage, in order to provide the Board with the relevant information as asked and keeping the final design of the AD facility open for the DBO process.

Two process options are given for the AD treatment Process - Wet and Semi-Dry waste AD processing. The plans outline the various elements of an AD plant and indicate maximum building and plant heights and dimensions.

(c) Page 275 of one of the environmental impact statements submitted to the Board is missing (this page is part of the landscape/ visual assessment). It is also noted that 'References' contained at the end of the environmental impact statement are missing from one of the copies. Please forward to the Board an additional copy of the environmental impact statement with page 275 and the 'References' included.

We submit an additional copy of the environmental impact statement with page 275 and the References section included.

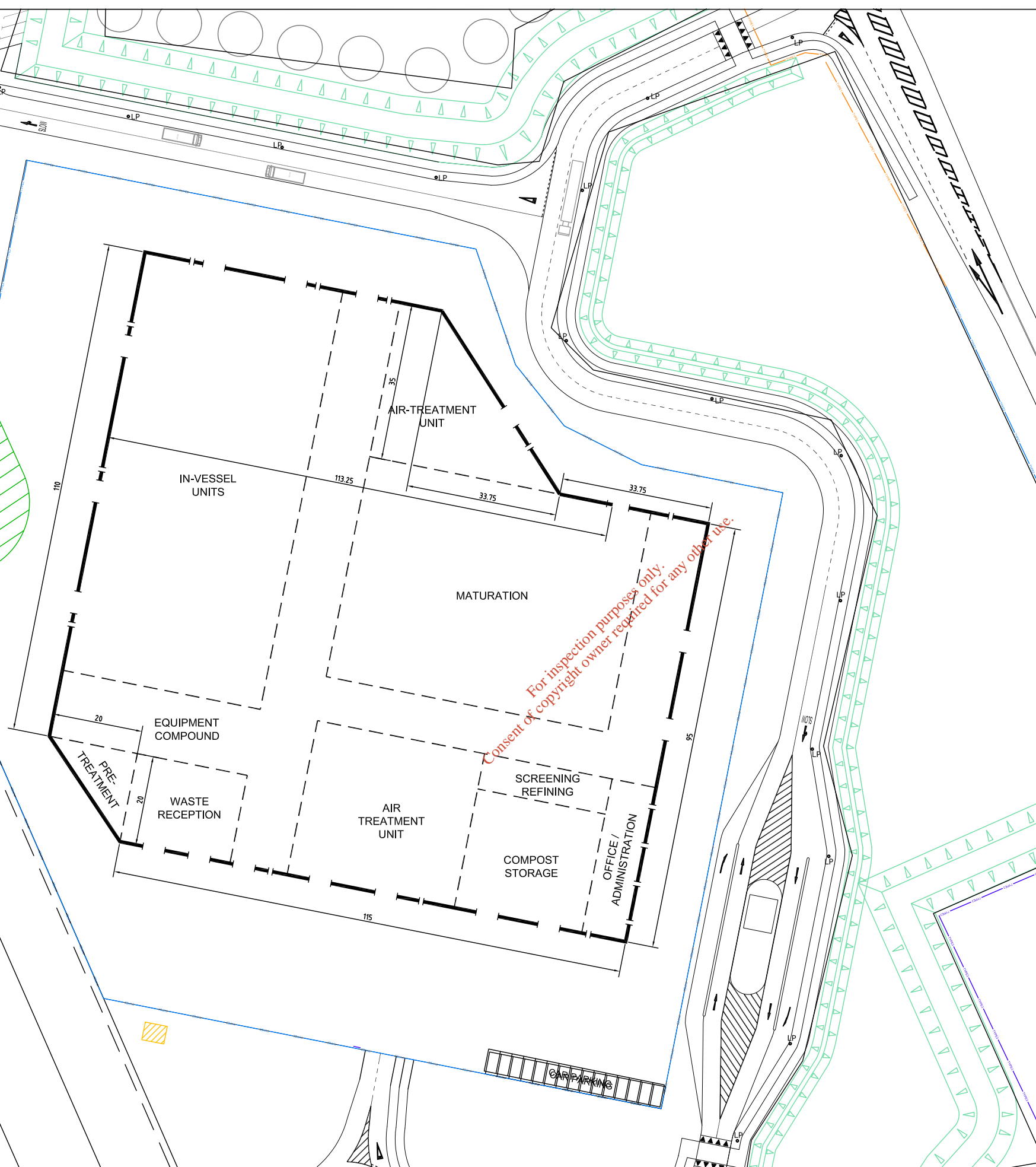
If you require any further information/clarification on this matter, please do not hesitate to contact me.

Yours sincerely,



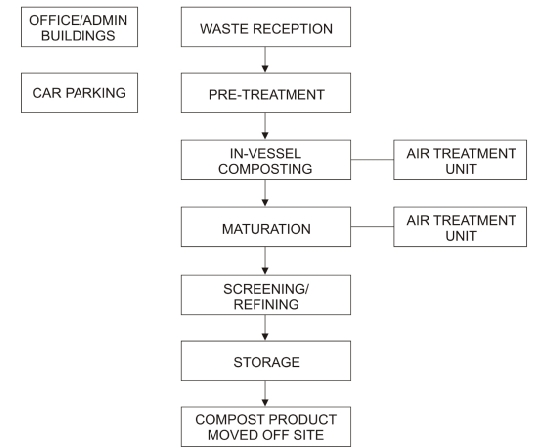
Dermot Burke B.E., M.Eng.Sc., M.I.E.I.
TES Consulting Engineers,
On Behalf of Fingal County Council

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UNIT PROCESSES-COMPOSTING

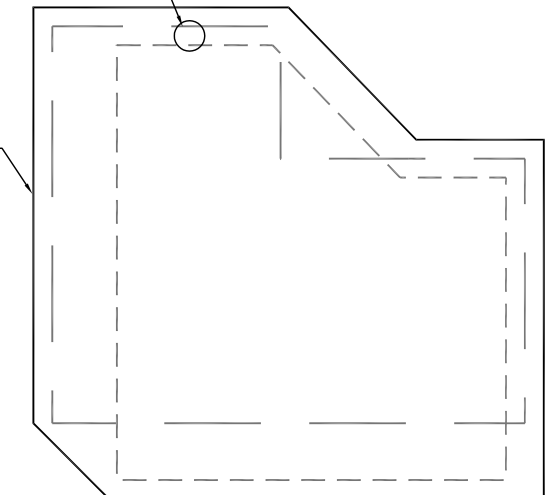


NOTE: SPATIAL ARRANGEMENT OF PROCESS ELEMENTS WITHIN BUILDING MAY VARY DEPENDING ON DESIGN SELECTED BY CONTRACTOR

ADDITIONAL OPTIONS FOR BUILDING FOOTPRINT - INDICATIVE ONLY



MAXIMUM BUILDING FOOTPRINT AS DRAWN OPPOSITE



NOTE: BUILDING PLAN AREA AND LAYOUT MAY CHANGE AT DETAILED DESIGN STAGE BUT WILL NOT EXCEED FOOTPRINT PROPOSED IN E.I.S.

INDICATIVE BUILDING FOOTPRINT

Scale 1:1000

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| No. | Date | By | Amendment / Issue | App. |
|-----|--------|----|--------------------|------|
| A01 | Jan'06 | HF | Issue for Approval | CB |

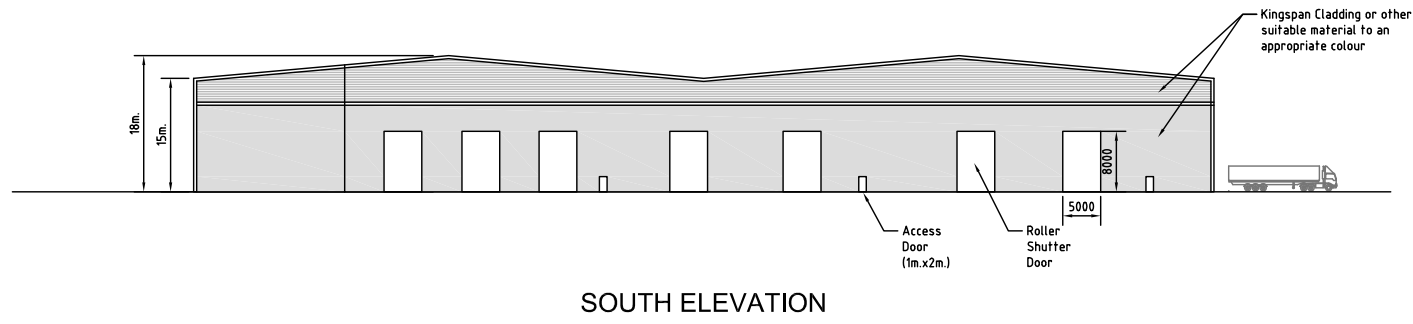
Project: **DUBLIN BIOLOGICAL PLANT**

Title: **INDICATIVE BUILDING PLAN FOR KILSHANE COMPOSTING PLANT**

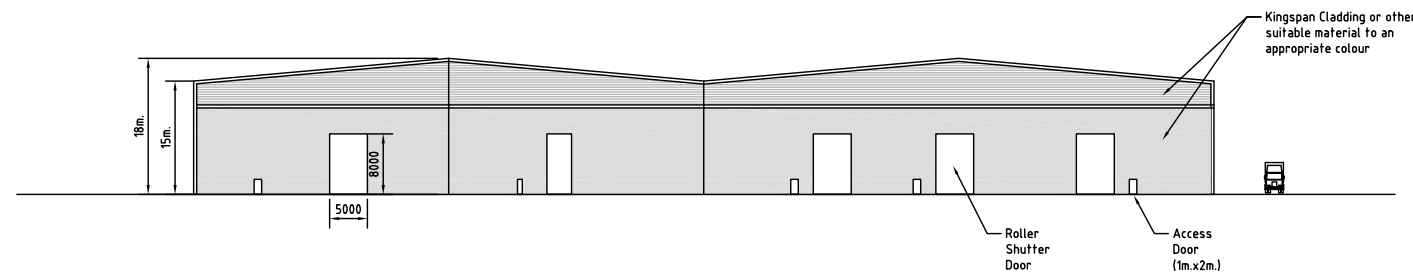
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| Checked by: | LH | File No: | mdr0321DG0003DA01 |
| Approved by: | CB | Org. No: | Rev: |
| Scale: | 1:500@A1 | DG0003 | A01 |
| Date: | Jan, '06 | | |

OPTION 1

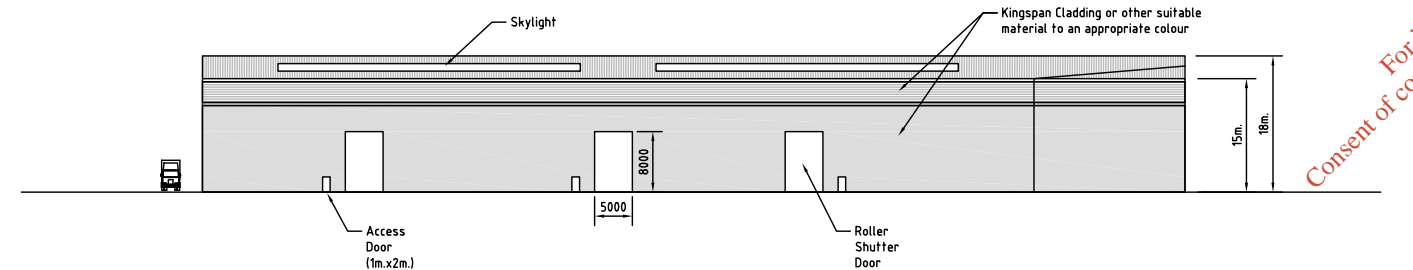
(as per Plan Drawing DG0003)



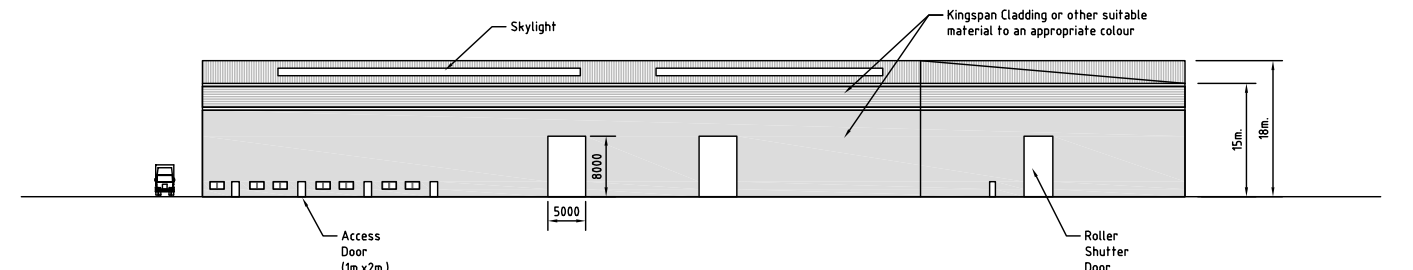
SOUTH ELEVATION



NORTH ELEVATION



WEST ELEVATION

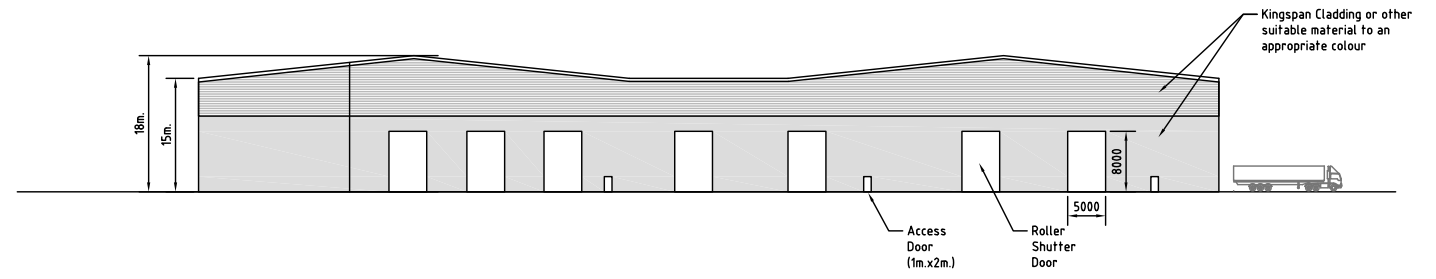


EAST ELEVATION

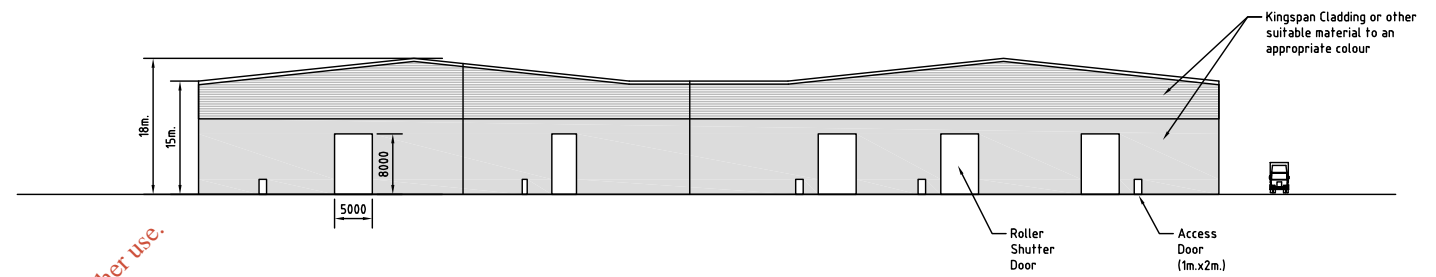
OPTION 2

(Indicative Alternative)

Note: The elevations drawn are indicative of the building design and may vary depending on the final detailed design. Option 1 matches the plan layout shown on DG0003. Options 2 & 3 indicate possible alternative elevations. The maximum building height is 18m. The number and position of doors may vary depending on detail design. Skylights may be employed.



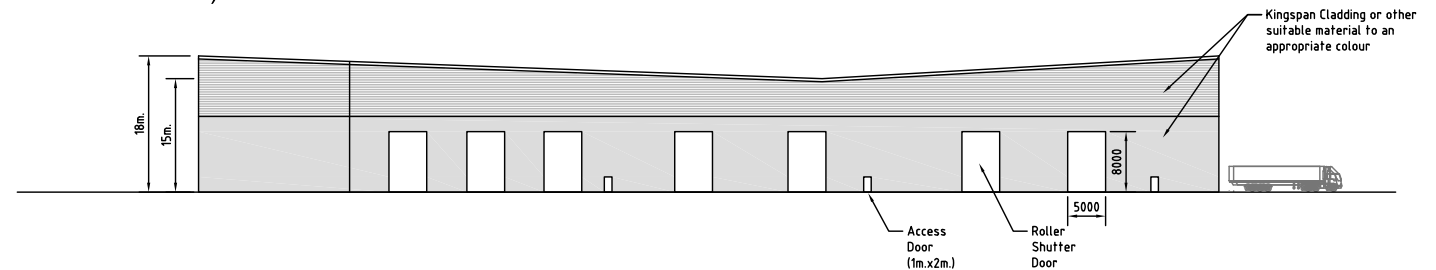
SOUTH ELEVATION



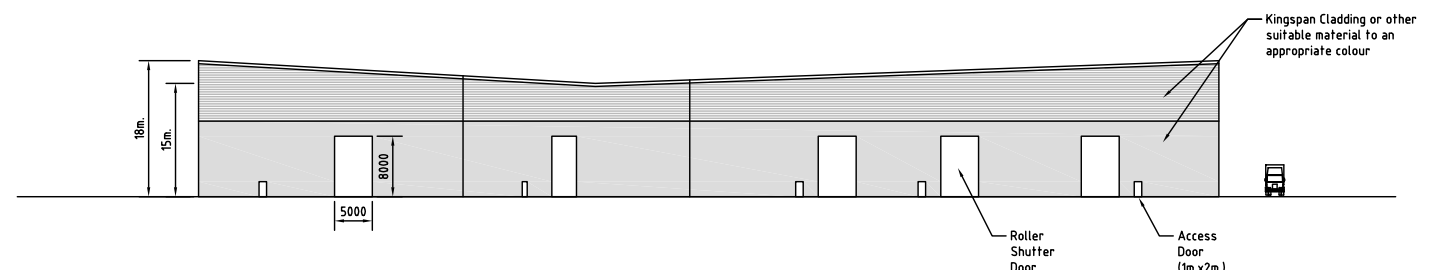
NORTH ELEVATION

OPTION 3

(Indicative Alternative)



SOUTH ELEVATION



NORTH ELEVATION

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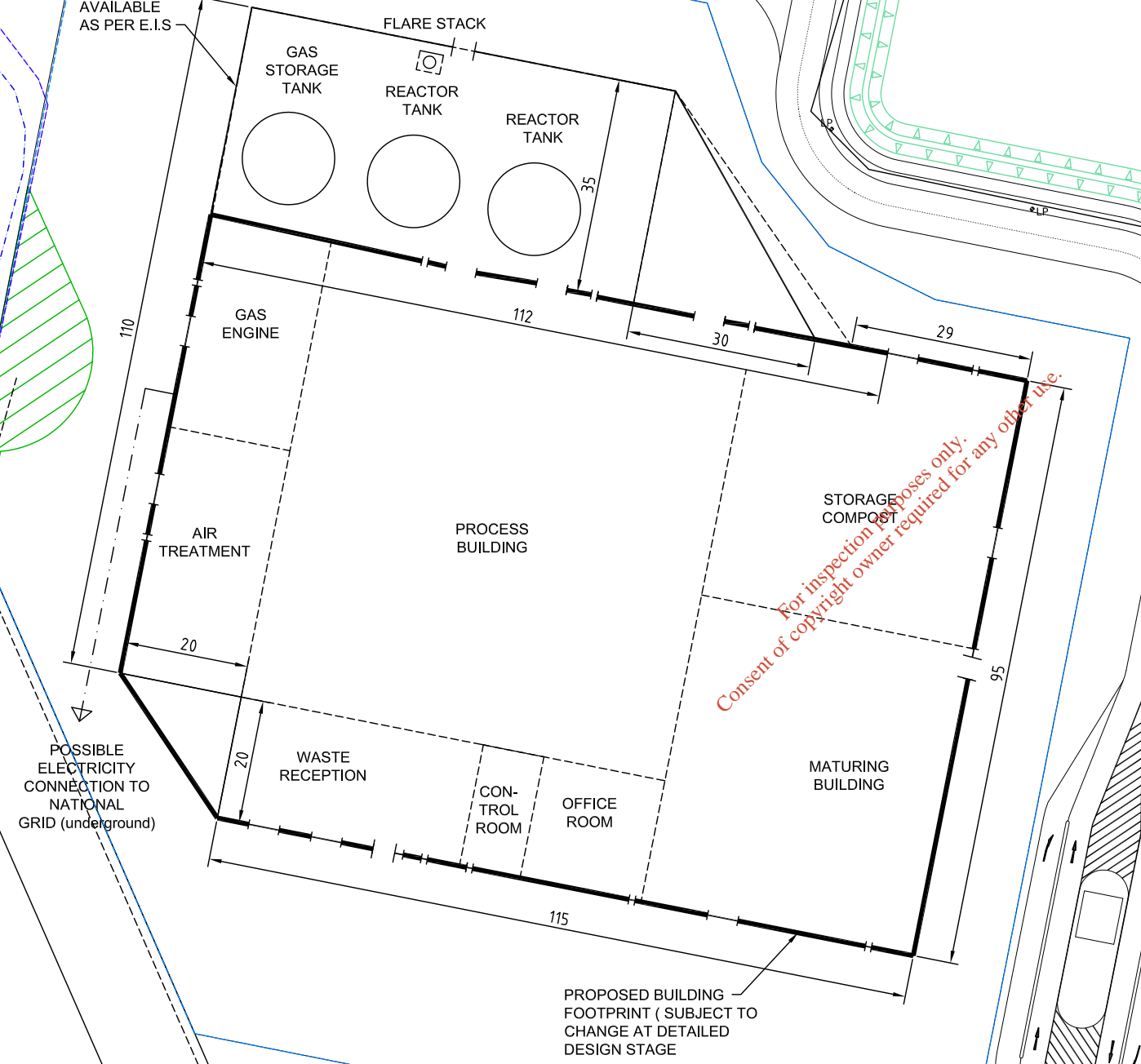
Project:
DUBLIN BIOLOGICAL PLANT

Title:
INDICATIVE BUILDING ELEVATIONS FOR KILSHANE COMPOSTING PLANT

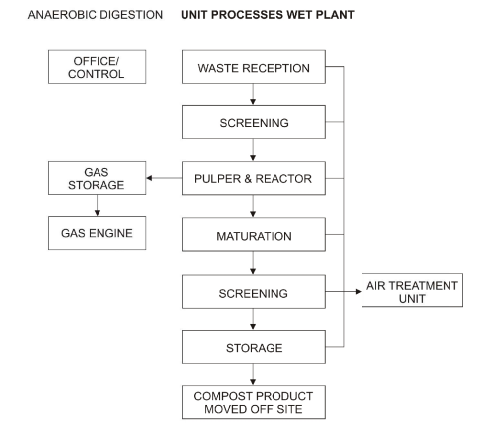
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| Checked by: | LH | File No: | mdr0321DG0004A01 |
| Approved by: | CB | Org. No: | Rev: |
| Scale: | 1:500@A1 | DG0004 | A01 |
| Date: | Jan.'06 | | |



MAXIMUM BUILDING FOOTPRINT AVAILABLE AS PER E.I.S.



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NOTE: SPATIAL ARRANGEMENT OF PROCESS ELEMENTS WITHIN BUILDING MAY VARY DEPENDING ON DESIGN SELECTED BY CONTRACTOR

LEGEND:

- Maximum Building Footprint available
- Proposed Building Footprint (subject to change at detailed design stage)

NOTE:

Footprint shown represents maximum plan area. Smaller footprint may be employed depending on detailed design. Tanks and Flare Stack will be external to building.

Client:

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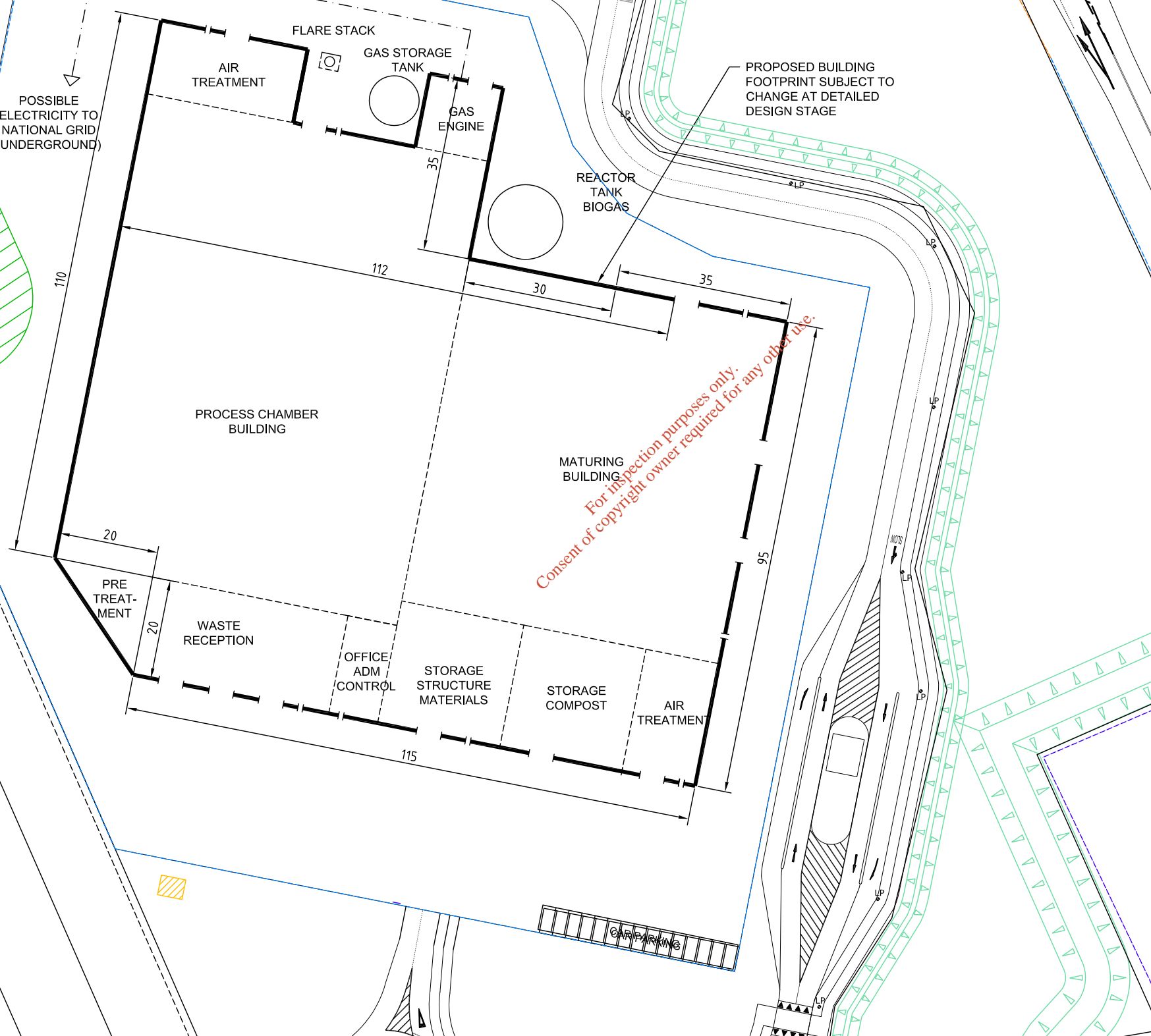
Project: **DUBLIN BIOLOGICAL PLANT**

Title: **INDICATIVE BUILDING PLAN FOR KILSHANE ANAEROBIC DIGESTION WET PLANT**

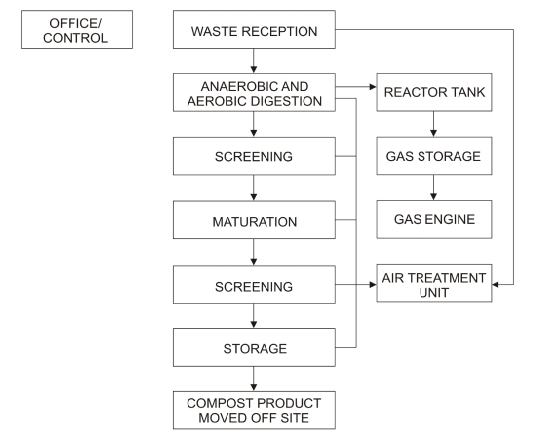
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| Approved by: | CB | Org. No: | DG0005 |
| Scale: | 1:500@A1 | Rev: | A01 |
| Date: | Jan, '06 | | |



POSSIBLE ELECTRICITY TO NATIONAL GRID (UNDERGROUND)



ANAEROBIC DIGESTION UNIT PROCESSES SEMI-DRY PLANT



NOTE: SPATIAL ARRANGEMENT OF PROCESS ELEMENTS WITHIN BUILDING MAY VARY DEPENDING ON DESIGN SELECTED BY CONTRACTOR

NOTE:

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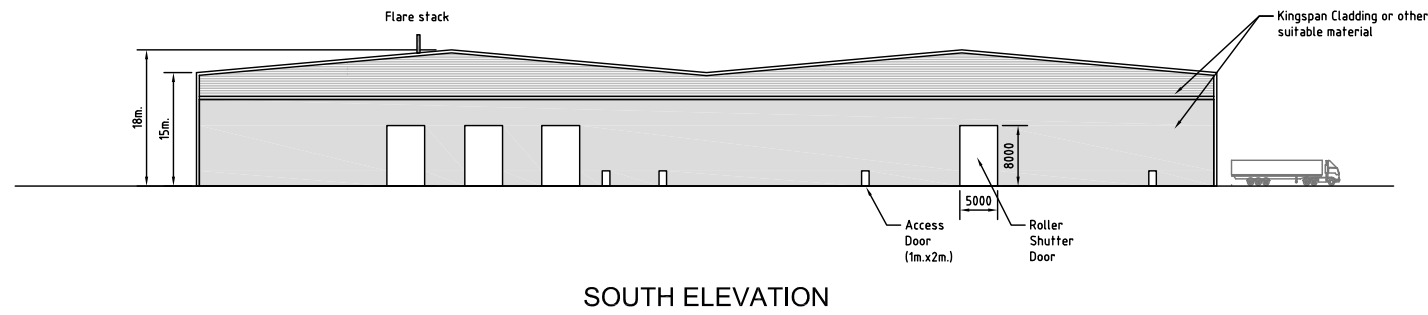
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| A01 | Jan'06 | HF | Issue for Approval | CB |

Project: **DUBLIN BIOLOGICAL PLANT**

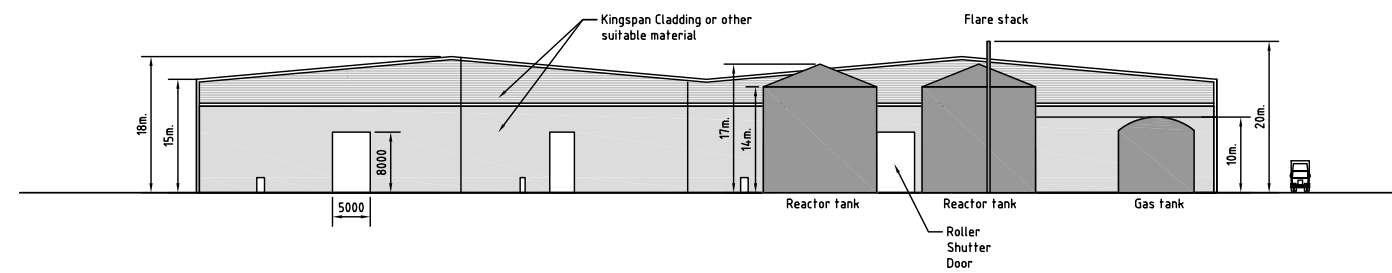
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| Checked by: | LH | File No: | mdr0321DG0006A01 |
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| Scale: | 1:500@A1 | DG0006 | A01 |
| Date: | Jan, '06 | | |

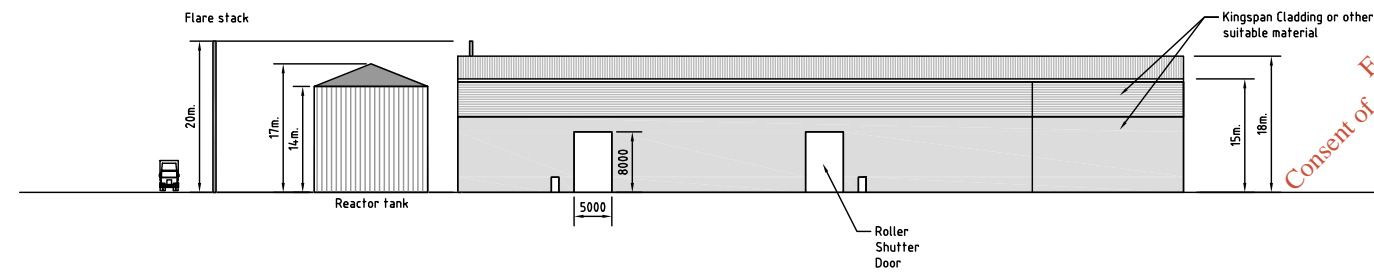
A.D. WET PLANT OPTION



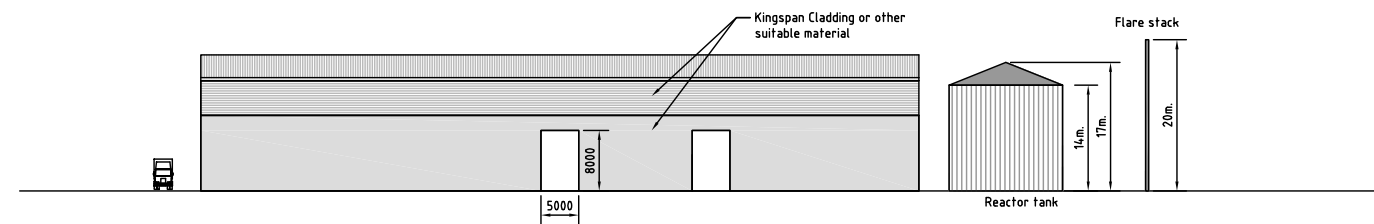
SOUTH ELEVATION



NORTH ELEVATION



WEST ELEVATION

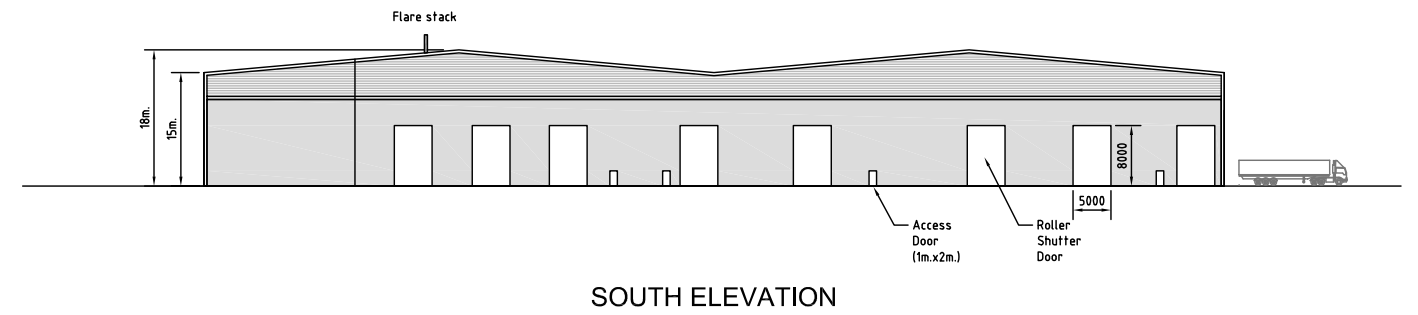


EAST ELEVATION

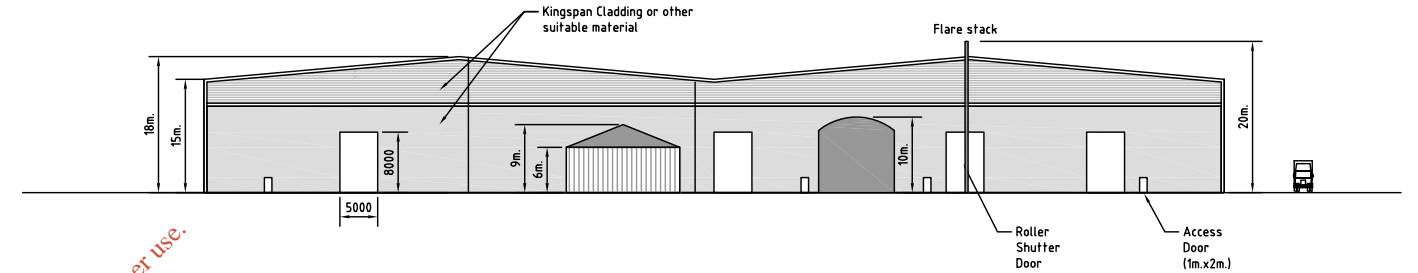
Note: Refer to plan drawing DG0005.

A.D. SEMI-DRY PLANT OPTION

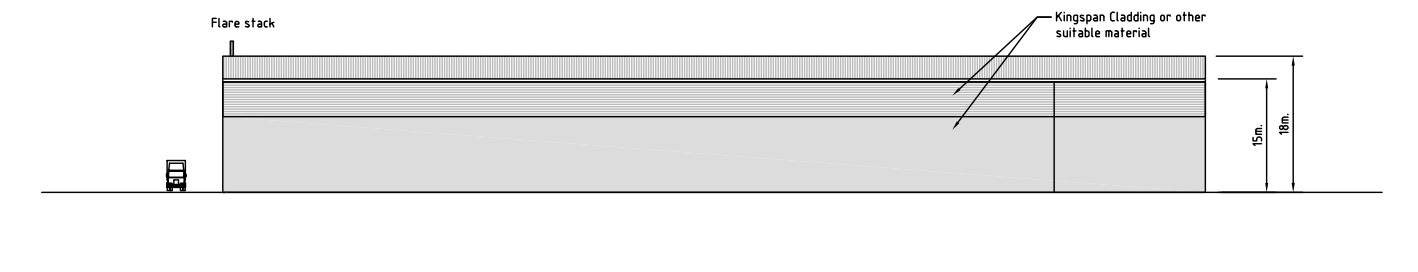
Note: The elevations drawn for both options are indicative and may vary depending on final detailed design. The maximum building height is 18m. Maximum heights are also shown for flare and tanks. The number of doors may vary depending on detailed design. Skylights and office windows may be employed. Other Roof Options as outlined on DG0004 may also be applicable.



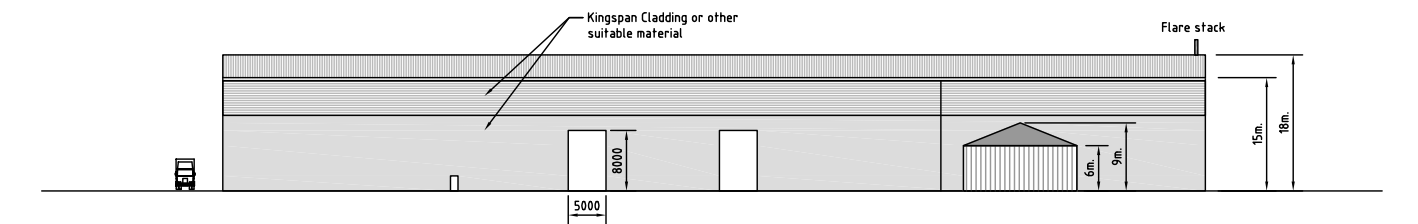
SOUTH ELEVATION



NORTH ELEVATION



WEST ELEVATION



EAST ELEVATION

Note: Refer to plan drawing DG0005.

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| A01 | Jan'06 | RH | CB | Issue for Approval |

Project:
DUBLIN BIOLOGICAL PLANT

Title:
INDICATIVE ELEVATIONS FOR KILSHANE ANAEROBIC DIGESTION PLANT

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| Checked by: | LH | File No: | mdr0321DG0007A01 |
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| Date: | Jan.'06 | | |