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Our ref: 8108-02-06

Your ref:

Industrial Emissions Licensing,
EPA Headquarters
Johnstown Castle
Johnstown
Co Wexford

24th of April 2017



ENVIRONMENTAL PROTECTION AGENCY
27 APR 2017

Re: Proposed Developments at the Drehid Waste Management Facility, Carbury, County Kildare (Industrial Emissions (IE) Licence Reg. No. W0201-03)

Dear Sir/Madam,

Pursuant to Section 98A of the Environmental Protection Agency Act 1992, Bord Na Móna Plc. herein gives notice of proposals to effect alterations/facility extensions to the Drehid Waste Management Facility (WMF), Carbury, County Kildare currently operating under Industrial Emissions (IE) Licence Reg. No. W0201-03.

The alterations/facility extensions will consist of further developments to the existing Drehid Waste Management Facility including

- Changes to the volume and nature of wastes to be accepted at the landfill disposal facility;
- Development of additional non-hazardous and hazardous landfill capacity to provide for sustainable landfill of these waste streams for a period of twenty five years;
- Pre-treatment or processing of certain waste streams prior to landfill;
- Increasing the volume of waste to be accepted at the composting facility;
- On-site treatment of leachate; and
- Development of associated buildings, plant, infrastructure and landscaping.

The proposed developments are shown on the Site Layout Plan and the Facilities Master Plan attached.

The development will take place on a total site area of 272 hectares (ha) site in the townlands of Timahoe West, Coolcarrigan, Killinagh Upper, Killinagh Lower, Drummond, Kilkeaskin, Loughnacush, and Parsonstown, Carbury, County Kildare, and comprise:

Directors: L.E. Waldron (Chairman) R.F. Tobin (Managing Director) E. Connaughton (Company Secretary)
B.J. Downes D. Grehan M. McDonnell C. McGovern
M.F. Garrick J.P. Kelly B. Mulligan

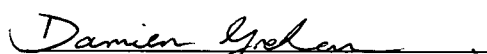
Associate Directors: T. Cannon B. Carroll P. Cloonan D. Conneran S. Connolly B. Gallagher B. Heaney E. McPartlin A. Mulligan S. Tinnelly

- (A) the development of a new landfill footprint of approximately 20.89 hectares (ha) to accommodate the sustainable landfill of an additional 250,000 tonnes per annum (TPA) of non-hazardous waste including incinerator bottom ash (IBA), construction and demolition (C&D) waste including fine fraction, soil and stone, and stabilised biowaste arising from the biological treatment of the biodegradable fraction of municipal waste [over and above the already permitted disposal of 120,000 TPA of non-hazardous municipal waste permitted for a 20-year period to 2028, and the already permitted disposal of an additional 240,000 TPA which is scheduled to cease by the end of 2017];
- (B) the onsite recovery of approximately 15,000 TPA of metals prior to landfilling of the residual IBA in a Non-Hazardous IBA Maturation and Metals Recovery Facility which includes; (i) a reception and maturation building with a floor area of 7,380 square metre (sq.m.) and maximum height of 12m and (ii) a metals recovery building with a floor area of 2,520 sq.m. and maximum height of 12m;
- (C) the provision of a 4.47ha inert material storage area;
- (D) the development of a new landfill footprint of approximately 10.79ha to accommodate the sustainable landfill of 85,000TPA of hazardous wastes, including incinerator fly ash and other residues, as well as other hazardous waste streams which are currently exported from this country;
- (E) on-site pre-treatment of incinerator fly ash and flue gas treatment residues prior to landfilling in the Ash Solidification Facility entailing (i) an ash solidification building with a floor area of 530 sq.m, and maximum height of 14m with associated external silos approximately 22m in height and 2 No. external bunded liquid additive tanks with a maximum height of 5m; and (ii) a control room with a floor area of 24 sq.m, with a maximum height of 3m;
- (F) a Hazardous Waste Handling Building with floor area of 400 sq.m. and a maximum height of 12m;
- (G) a Hazardous Waste Treatment Storage Bund with a floor area of 400 sq.m. and a maximum height of 5.9m;
- (H) an increase by 20,000 TPA in the volume of waste to be accepted at the existing Composting Facility (from the currently permitted 25,000 TPA), and removal of the restriction on the operating life of this facility, which is currently aligned with the landfill life. [This will not require any changes to the existing footprint of the facility];
- (I) an extension to the existing Composting Facility to cater for an additional 45,000 TPA entailing (i) a composting building, including biofilters / odour abatement, with a floor area of 6,905 sq.m. and maximum height of 12.0m and (ii) a composting plant control room with a floor area of 536 sq.m. and maximum height of 4.75m;
- (J) a Waste Control Building with a floor area of 110 sq.m. and maximum height of 4.0m within a 13,165 sq.m. waste control area, including delineated holding areas for waste delivery vehicles;
- (K) a Maintenance and Welfare Building with a floor area of 675 sq.m and maximum height of 9m, with an associated yard;
- (L) the provision of a Leachate Treatment Facility (within a 3,402 sq.m. bunded area) to cater for the treatment of leachate from the existing and proposed landfill infrastructure at the Drehid WMF, prior to transport off site by road tankers, for safe disposal at a licensed municipal wastewater treatment plant (WwTP);

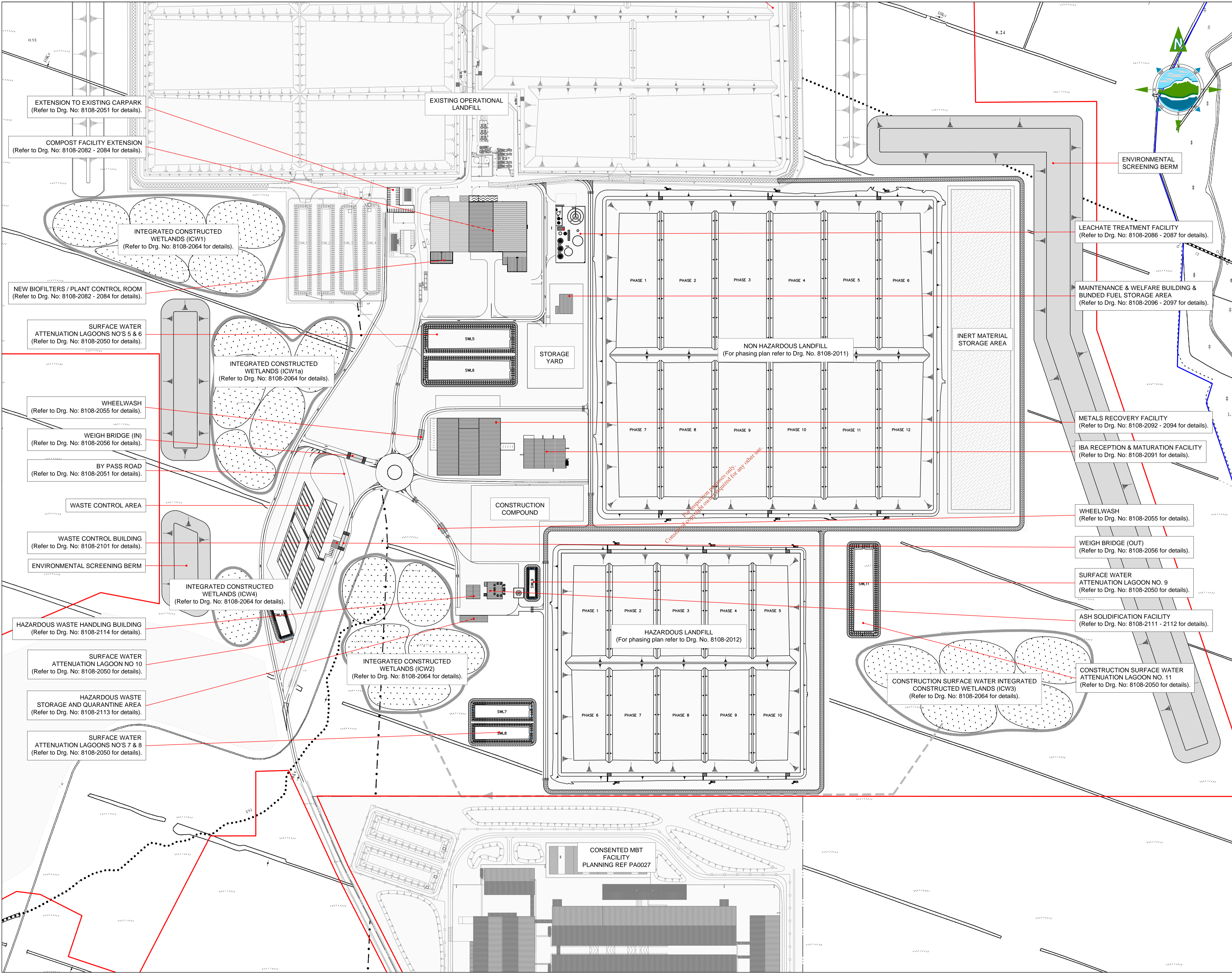
- (M) the provision of 7 No. additional surface water attenuation lagoons comprising (i) surface water attenuation lagoon No. 5 (6,365 sq.m.) (ii) surface water attenuation lagoon No. 6 (6,365 sq.m.) (iii) surface water attenuation lagoon No. 7 (3,263 sq.m.) (iv) surface water attenuation lagoon No. 8 (3,263 sq.m.) (v) surface water attenuation lagoon No. 9 (1,148sq.m.) (vi) surface water attenuation lagoon No. 10 (1,772 sq.m.) and (vii) construction surface water attenuation lagoon No. 11 (6,564 sq.m.);
- (N) the provision of 4 No. additional integrated constructed wetlands (ICW);
- (O) service and dedicated circulation roads with new junctions from the existing internal site access road serving the Drehid Waste Management Facility;
- (P) an 829 sq.m. extension to the existing parking area to provide for 35 No. additional parking spaces;
- (Q) 2 No. 238 sq.m. weigh-bridges and bypasses, 2 No. 43 sq.m. wheel-washes and areas of hard-standing;
- (R) landscaped areas and screening bunds of varying heights; and,
- (S) all associated ancillary development works necessary to facilitate the proposed development and the restoration of the site following cessation of waste acceptance.

Bord na Móna Plc. pursuant to Section 98A herein gives notice to the EPA of the proposed alterations/facility extensions as outlined above and seeks direction from the EPA as to whether to submit an application to the EPA for an I.E. licence review or for a new licence.

Yours sincerely,


Damien Grehan
Director – Energy & Environment
For and on Behalf of
TOBIN Consulting Engineers

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GENERAL LEGEND
 BORD NA MÓNA OWNERSHIP BOUNDARY APPLICATION BOUNDARY

DRAFT
 FOR DISCUSSION PURPOSES ONLY

- NOTES:**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
 3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
 4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES
 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

OSI 1:5,000 SERIES SHEET NO'S:
 3187, 3188, 3253, 3254, 3318, 3319, 3381, 3382.

50m 0 50m 100m 150m

Rev	Date	Description	By	Chkd.
D04	24.04.17	DRAFT PLANNING	MN	DC
D03	04.04.17	Draft Planning	MN	DC
D02	24.02.17	Draft Planning	MN	DC
D01	26.08.16	Draft Planning	EW	DC

Client: **BORD NA MÓNA**
 Naturally Driven

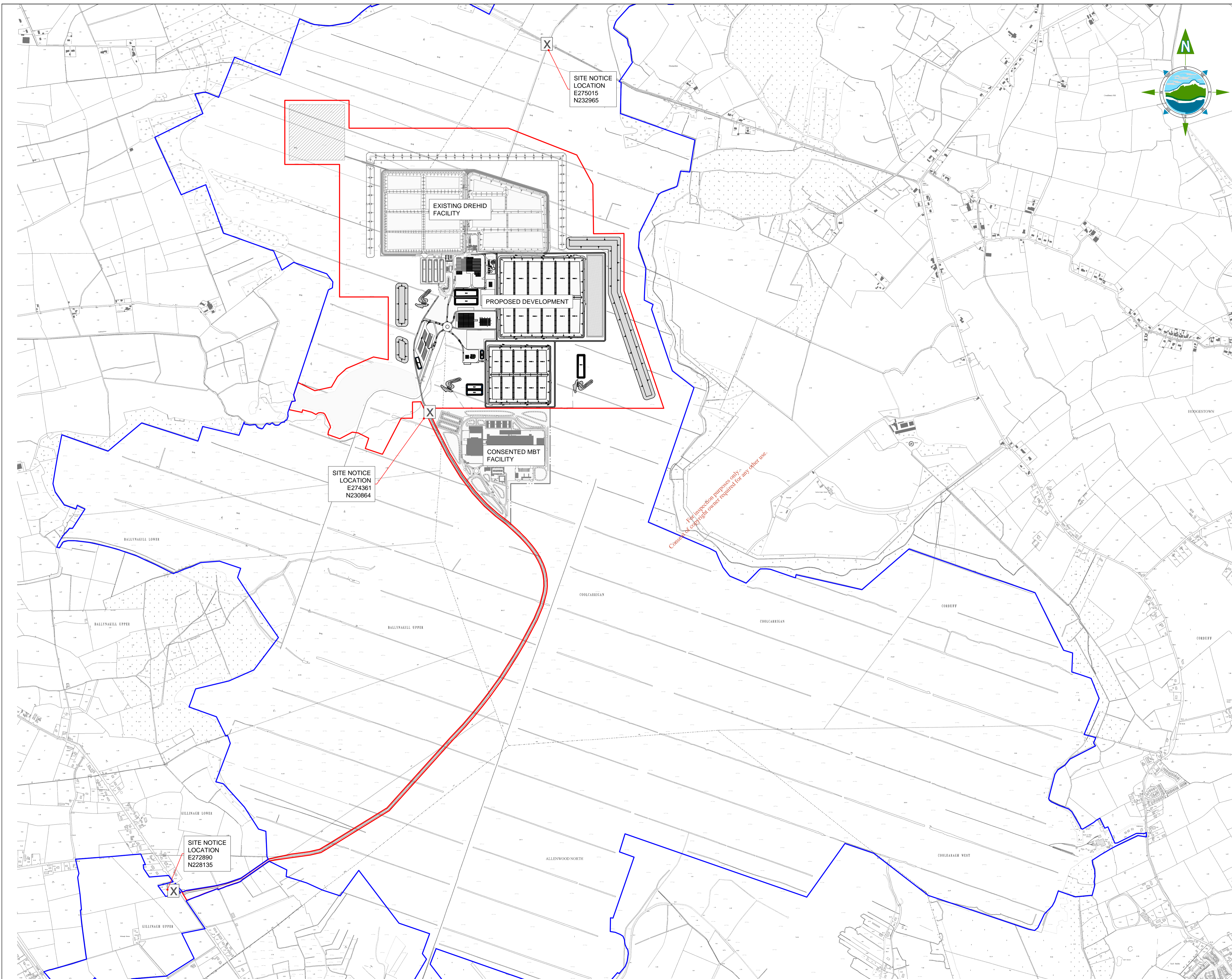
Project: **PROPOSED DEVELOPMENT AT DREHID WASTE MANAGEMENT FACILITY**

Title: **FACILITY MASTER PLAN**

Scale @ A1: **1:2,500**
 Prepared by: **E.Weldon** Checked: **D. Conneran** Date: **Aug 2016**
 Project Director: **D. Grehan**
 Drawing Status: **Planning**

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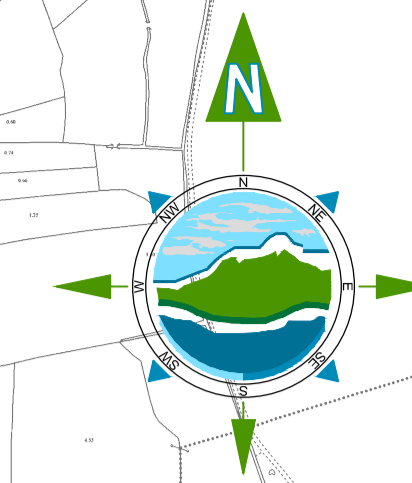
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 Drawing No.: **8108-2010 D04** Revision:



GENERAL LEGEND

BORD NA MÓNA OWNERSHIP BOUNDARY
 APPLICATION BOUNDARY
 SITE NOTICE LOCATION

BOUNDARY
 BOUNDARY
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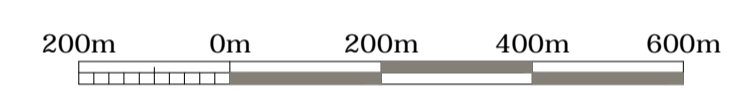


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- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

OSI 1:5,000 SERIES SHEET NO'S:
 3187, 3188, 3253, 3254, 3318, 3319, 3381, 3382.



Rev	Date	Description	By	Chkd.
D02	24.02.17	Planning Issue	MN	DC
D01	26.08.16	Draft Planning	EW	DC

Client: **BORD NA MÓNA**
 Naturally Driven

Project:
PROPOSED DEVELOPMENT AT DREHID WASTE MANAGEMENT FACILITY

Title:
SITE LAYOUT PLAN

Scale @ A1: **1:10,000**
 Prepared by: **E. Weldon** Checked: **D. Conneran** Date: **Aug 2016**
 Project Director: **D. Grehan**
 Drawing Status: **Planning**

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