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The Secretary  
An Bord Pleanála  
64 Marlborough Street  
Dublin 1

APPROVED BY	17 MAY 2004
LTR-DATED	FROM
PL	

17 May 2004

**Re: Extraction of Sand and Gravel over an Area of 7.8 ha and all associated Development and Works on an Overall Site of 13.9 ha at Ballinderry, Carbury, County Kildare**

**ABP Ref: PL09.205039**

Dear Sir

I refer to the Board's correspondence of 26 April 2004 requesting further information in respect of the above proposed development. The information requested is provided below and in the attached documentation which we trust will provide sufficient information to allow the Board to make an early and favourable decision.

**Item Nos. 1 and 2**

It is respectfully submitted to the Board that Item Nos. 1 and 2 are inter-related and are most appropriately addressed in a combined response.

During the preparation of the EIS in mid-2002 the estimated reserve at Kilglass was c2 million tonnes. A more detailed assessment was undertaken in mid 2003 based on topographical survey information of a substantial part of the site which concluded that there was in excess of 0.5 million tonnes of recoverable material in the overburden mounds and that the total recoverable reserve on the totality of the site was in the order of 2.5 million tonnes.

Based on the operational plan as submitted with the application, the estimated reserve at the Ballinderry site was c2.2 million tonnes. Based on the modified design submitted in response to a request for Further Information which provided for the re-alignment of the County Road and revised access arrangements, the recoverable reserve was reduced to c1.6 million tonnes.

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Directors: Declan Brassil  
Shaun Corman  
Senior Consultants: Una Crossin  
Anna Sheehan

In the event that permission is granted and the Ballinderry site becomes operational, it is likely to be early 2005 before extraction commences. At this time, the recoverable reserve at Kilglass is expected to be in the order of 1.9 million tonnes. Based on a reduced extraction rate of 0.4 million tonnes per annum from 2005, Kilglass will be exhausted by 2010. Based on contemporaneous extraction of 0.2 million tonnes per annum from Ballinderry, the application site will be exhausted by 2013 (8 years).

However, subsequent to the cessation of extraction of sand and gravel from Kilglass, the output from Ballinderry may be increased to supply the concrete and block plants at Kilglass. Accordingly, the output from Ballinderry could rise to 0.6 million tonnes per annum upon cessation of extraction from Kilglass (2010), resulting in exhaustion of reserves at Ballinderry by 2011 (6 years), i.e. 0.2 m tonnes pa to 2010 and 0.6 m tonnes in 2011.

Accordingly, based on current estimates of reserves, the life expectancy of the appeal site is considered to be in the order of 6 years.

**Item No. 3**

As noted above, it is proposed that the Ballinderry site would supply the concrete and block plant at Kilglass upon cessation of extractive operations at Kilglass. However, it is anticipated that operation of the plant at Kilglass would cease upon exhaustion of reserves at Ballinderry unless further reserves and appropriate permissions were secured in advance.

**Item No. 4**

The traffic impact assessment included in the EIS assessed traffic flows on the assumptions contained in the EIS regarding the timeframe for exhaustion of reserves at Kilglass (2006) and the commencement of extraction at Ballinderry (2004). As detailed above, assuming commencement at Ballinderry in 2005 it is now anticipated that Kilglass will be exhausted by 2010. The traffic impact assessment had assumed that 10% of loads (7 no. per day based on an output of 200,000 tpa) would be transported from Ballinderry to Kilglass while both pits were operational, and subsequent to the exhaustion of reserves at Kilglass 50% of loads (52 no. loads per day based on an increased output of up to 600,000 tpa) would be transported from the site to Kilglass.

Based on an output of 600,000 tpa, the Kilglass site generates in the order of 210 no. movements per day, the majority of which turn left out of the site for the N4 and past the Ballinderry site. Assuming a maximum output of 600,000 tpa for one year from Ballinderry and 50% of loads travelling to Kilglass, there will be 104 no. movements generated by the Ballinderry site between Kilglass and Ballinderry. Based on an average 0.9 tonnes of aggregate per tonne of concrete and per tonne of blocks, approximately 114 no. movements per day will be generated by the concrete and block plants at Kilglass. Accordingly, there will be in the order of 218 no. (104 plus 114) movements per day on the road between Kilglass and Ballinderry, representing

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an increase of c10 no. (4.7%) over current levels for a period of approximately on year.

With regard to traffic generation between Ballinderry and the N4, Kilglass generates c210 no. movements per day from Kilglass to the N4. When Kilglass is exhausted, Ballinderry will generate c52 no. loads turning left to the N4 resulting in 104 no. movements generated directly by the site. Adding the concrete and block movements generated by Kilglass utilising the Ballinderry material, the total number of movements on the road between Ballinderry and the N4 will be 218. Accordingly, there will be only a minor net increase (c4.7%) in the number of movements generated between Ballinderry and the N4.

A map identifying the location of all residential properties, existing and permitted, on the road between the site and Kilglass is attached herewith.

**Item No. 5**

This matter has been addressed by David Jarvis & Associates in the attached Report.

**Item No. 6**

The proposed extractive operations below the water table are detailed in the attached report by David Jarvis & Associates and on Drawing Nos. 1424/005, 1424/006, 1424/007 and 1424/008.

**Item No. 7**

The specifications for the drag line excavator provided by the manufacturer, Kobelco Cranes Co. Ltd., are attached herewith.

**Item No. 8**

An assessment of the impact of the proposed development on Ballinderry House is included in the Report of David Jarvis & Associates.

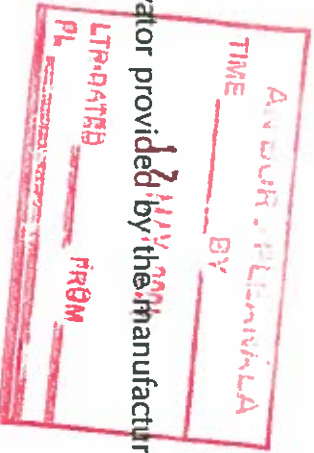
**Item No. 9**

This matter has been addressed in the attached report by David Jarvis & Associates

**Item No. 10**

A well survey has been undertaken by O'Neill Groundwater Engineering for the purposes of this response to the Board. A copy of the map to scale 1:2500 is attached herewith.

We trust that the information provided with this response will assist the Board in arriving at a favourable decision.



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Yours sincerely



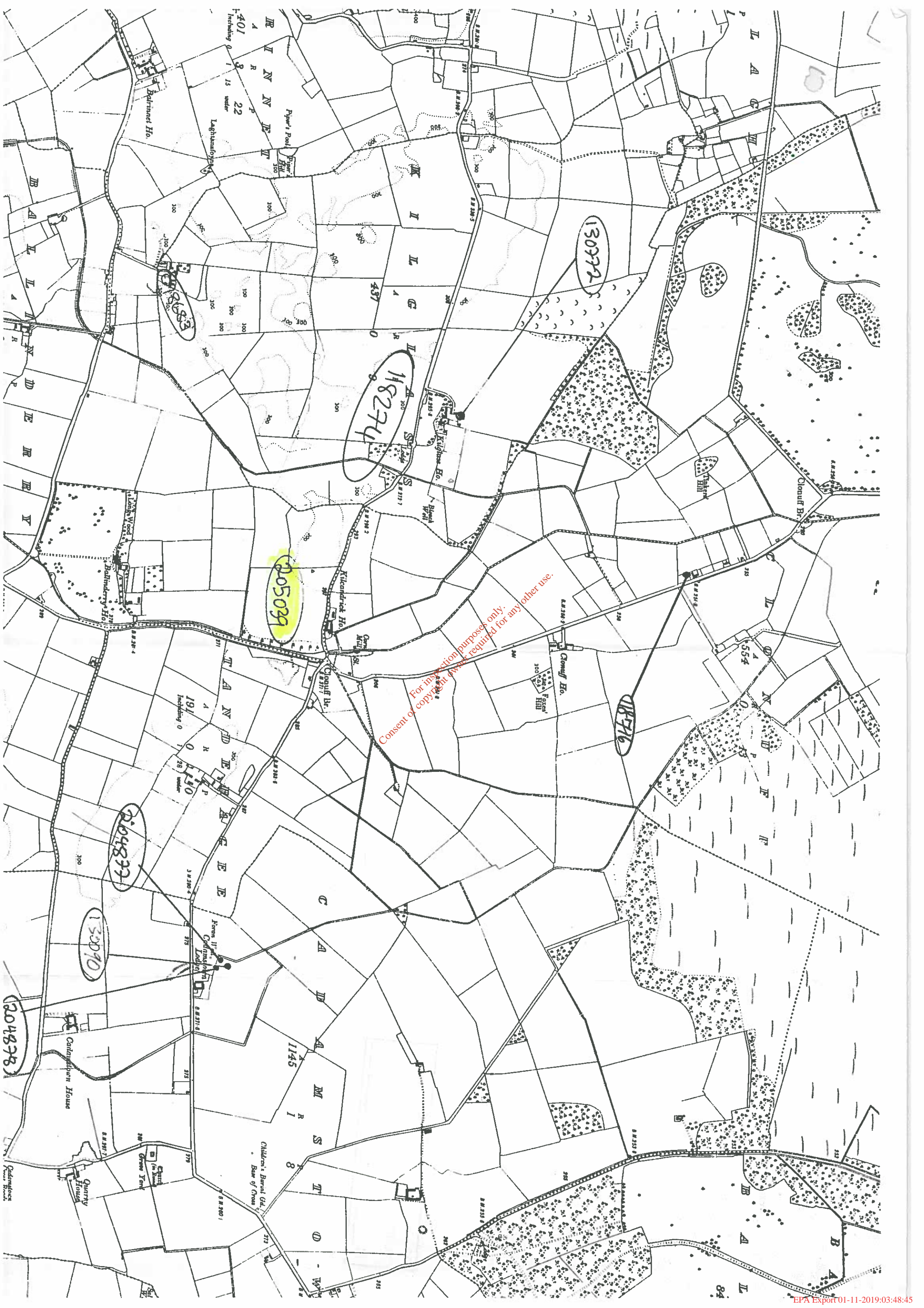
**Declan Brassil**  
**Declan Brassil & Co.**

Enclosures: David Jarvis & Associates Report  
David Jarvis & Associates Drawing Nos. 005, 006, 007 and 008.  
O'Neill Groundwater Engineering Map indicating Well Locations  
Kobelco Cranes Co. Ltd. Brochure  
Map indicating location of Dwellings between Kilglass and Ballinderry



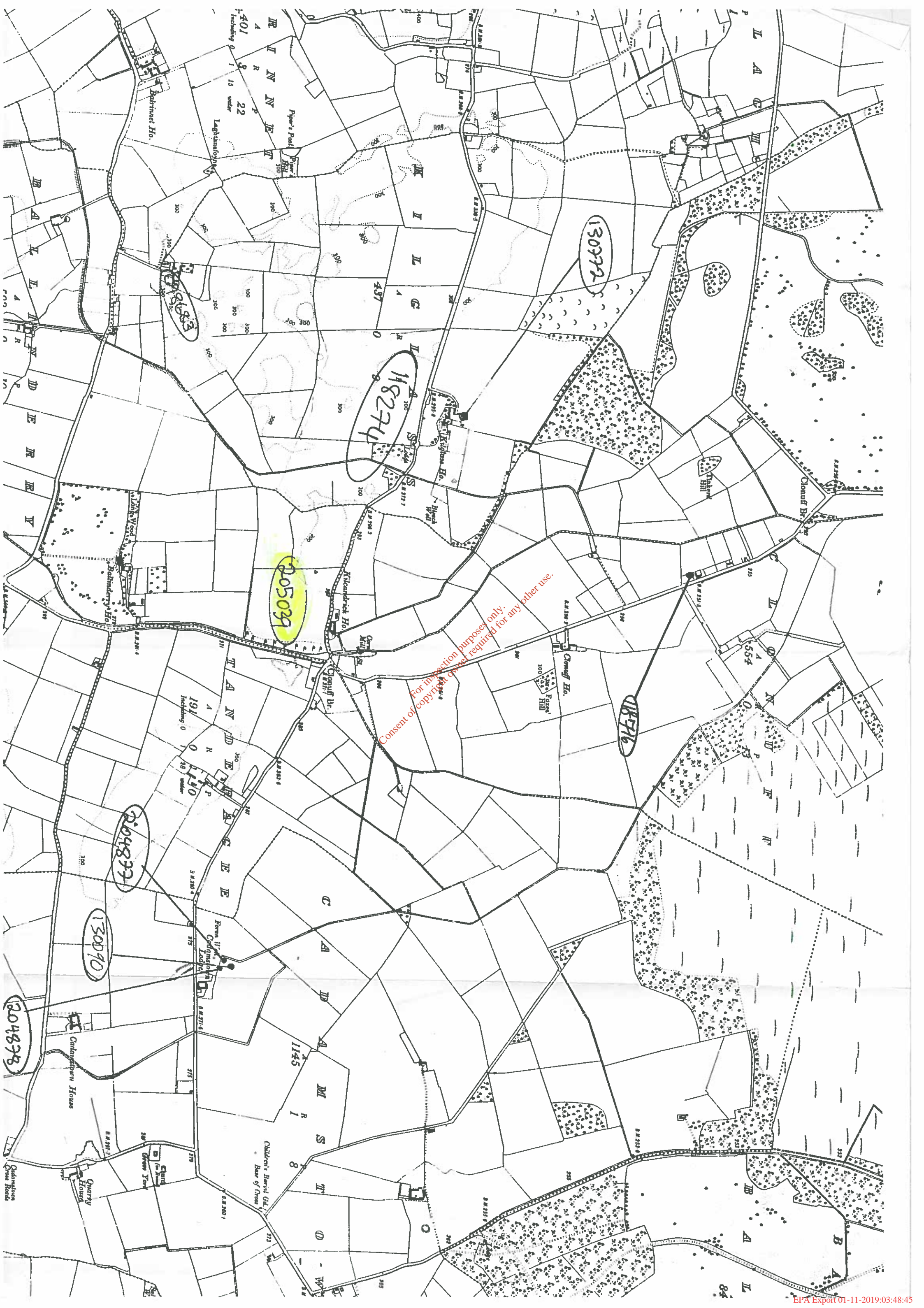
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