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MOOR PARK GOLF CLUB

Planning Application for New Practice Ground.

FLOOD RISK ASSESSMENT (09 February 2009, Annex 16 to Design and Access Statement.)

The area proposed for the new practice area is outlined in red on the map of the Moor Park Mansion & Estate (attachment No.13 to the Design and Access Statement of the planning application) the relevant section of which is reproduced and attached. It is marked up to show the relevant drainage considerations.

The area comprises of approx 1.25 ha and is relatively flat but at the edge slopes sharply to the NE where the rainwater run-off tends towards the area marked with a blue circle on the map. This is a natural soak away area and rarely is surface water observed here. Provision for an eventual overflow already exists in the form of an underground pipe of some 30cm diam. connecting this area to a collection point (marked on the map) where water from the storm drains are collected and transferred via underground piping to a large natural wetland area as shown.

The new practice ground will have a drainage system consisting of 80 mm diameter perforated plastic pipe laid across the area at 5 metres apart and connected to a diagonal pipe of the same dimensions leading into the soak away area (circled in blue). The soak away area is essentially a dry pond into which the rainwater from the proposed development area is already directed and the discharge from the proposed drainage will not materially alter the quantity of water discharged. The dry pond has good soak away characteristics and water rarely collects there and normally soaks away before the culvert comes into use.

As far as can be ascertained the max daily rainfall experienced is approx 20mm so the anticipated drainage is more than adequate and will not result in a significant change from what is currently the case.

Prepared by

M Ryan B.Sc. Ph.D MRSC (09 February 2009) to provide further information requested by Mr. Brawn /Environment Agency

Rickmansworth, Hertfordshire, WD3 1QN
Tel: 01923 773146 Fax: 01923 777109 enquiries@moorparkgc.co.uk www.moorparkgc.co.uk

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creating a better place



Environment
Agency

Michael Ryan
Moor Park Golf Club Ltd.
Moor Park
Rickmansworth
Hertfordshire
WD3 1QN

Our ref: NE/2008/107422/01-L01

Your ref: -

Date: 11 December 2008

Dear Michael

SUBMISSION OF DRAFT FRA - CREATION OF NEW PRACTICE GROUND INCLUDING REGRADING OF LAND, ERECTION OF 10M HIGH GREEN NETTING WITH SUPPORT POLES AND ERECTION OF SINGLE STOREY WOODEN STRUCTURE TEEING AREA.

MOOR PARK GOLF CLUB, BATCHWORTH HEATH, RICKMANSWORTH, WD3 1QN

Thank you for your email dated 20 November 2008. Having reviewed the information submitted, we provide the following comments:

We are satisfied that the draft Flood Risk Assessment along with the annotated plan in connection with the proposed new practice ground meet our requirements with regard to the control of any additional surface water that may be generated by the new underground drainage system. The plan should however have a drawing number so that it can be referenced in any further correspondence.

We are likely to request a planning condition that links the FRA directly to the surface water drainage details.

Yours sincerely

Mr Sandeep Shankar
(for and behalf of Keira Murphy)
Planning Liaison Officer
Direct dial 01707 632332
Direct fax 01707 632515
Direct e-mail colneplanning@environment-agency.gov.uk

Environment Agency
Apollo Court (2) Bishops Square Business Park, Hatfield, Hertfordshire, AL10 9EX.
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.gov.uk
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