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Date: 17th August 2018

APPLICATION CONSULTATION RESPONSE

Application Number:	06/2018/0711
Location:	Land south of Whittingham Lane, Grimsargh
Grid Ref:	E 357980, N 434346
Proposal:	Outline application for up to 70 dwellings with associated infrastructure with all matters reserved except for access

Thank you for inviting the Lead Local Flood Authority (LLFA) to comment on the above application. The Flood and Water Management Act 2010 sets out the requirement for LLFAs to manage 'local' flood risk within their area. 'Local' flood risk refers to flooding or flood risk from surface water, groundwater or from ordinary watercourses.

Comments provided in this representation, including conditions, are advisory and it is the decision of the Local Planning Authority (LPA) whether any such recommendations are acted upon. It is ultimately the responsibility of the Local Planning Authority to approve, or otherwise, any drainage strategy for the associated development proposal. The comments given have been composed based on the current extent of the knowledge of the LLFA and information provided with the application at the time of this response.

Lead Local Flood Authority Position

The Lead Local Flood Authority has **no objection** to the proposed development subject to the inclusion of the following conditions, in consultation with the Lead Local Flood Authority:

Condition 1 - Appropriate surface water drainage scheme to be submitted

No development shall commence until details of the design, based on sustainable drainage principles, and implementation of an appropriate surface water sustainable drainage scheme have been submitted to and approved in writing by the local planning authority.

Those details shall include, as a minimum:

- a) Information about the lifetime of the development, design storm period and intensity (1 in 1, 1 in 2, 1 in 30 & 1 in 100 year + allowance for climate change see EA advice [Flood risk assessments: climate change allowances](#)'), discharge rates and volumes (both pre and post development), temporary storage facilities, the methods employed to delay and control surface water discharged from the site, and the measures taken to prevent flooding and pollution of the receiving groundwater and/or surface waters, including watercourses, and details of floor levels in AOD;
- b) The drainage strategy should demonstrate that the surface water run-off must not exceed the pre-development greenfield runoff rate calculated using the FEH Statistical or ReFH2 methods. The scheme shall subsequently be implemented in accordance with the approved details before the development is completed.
- c) Flood water exceedance routes, both on and off site;
- d) A timetable for implementation, including phasing as applicable;
- e) Evidence of an assessment of the site conditions to include site investigation and test results to confirm infiltrations rates;
- f) Details of water quality controls, where applicable.
- g) Breakdown of attenuation volume in pipes, manholes and attenuation tank/pond.

The scheme shall be implemented in accordance with the approved details prior to first occupation of any of the approved dwellings, or completion of the development, whichever is the sooner. Thereafter the drainage system shall be retained, managed and maintained in accordance with the approved details.

Reasons

- 1. To ensure that the proposed development can be adequately drained.
- 2. To ensure that there is no flood risk on or off the site resulting from the proposed development

Condition 2 - No Occupation of Development until completion of SuDS in accordance with agreed SuDS Scheme and Management & Maintenance Plan

No development hereby permitted shall be occupied until the sustainable drainage scheme for the site has been completed in accordance with the submitted details.

The sustainable drainage scheme shall be managed and maintained thereafter in accordance with the agreed management and maintenance plan.

Reasons

- 1. To ensure that the drainage for the proposed development can be adequately maintained.
- 2. To ensure that there is no flood risk on- or off-the site resulting from the proposed development or resulting from inadequate the maintenance of the sustainable drainage system.

Condition 3 - Surface Water Lifetime Management and Maintenance Plan

No development shall commence until details of an appropriate management and maintenance plan for the sustainable drainage system for the lifetime of the development have been submitted which, as a minimum, shall include:

- a) The arrangements for adoption by an appropriate public body or statutory undertaker, management and maintenance by a Residents' Management Company
- b) Arrangements concerning appropriate funding mechanisms for its on-going maintenance of all elements of the sustainable drainage system (including mechanical components) and will include elements such as:
 - i. on-going inspections relating to performance and asset condition assessments
 - ii. operation costs for regular maintenance, remedial works and irregular maintenance caused by less sustainable limited life assets or any other arrangements to secure the operation of the surface water drainage scheme throughout its lifetime;
- c) Means of access for maintenance and easements where applicable.

The plan shall be implemented in accordance with the approved details prior to first occupation of any of the approved dwellings, or completion of the development, whichever is the sooner. Thereafter the sustainable drainage system shall be managed and maintained in accordance with the approved details.

Reasons

1. To ensure that appropriate and sufficient funding and maintenance mechanisms are put in place for the lifetime of the development
2. To reduce the flood risk to the development as a result of inadequate maintenance
3. To identify the responsible organisation/body/company/undertaker for the sustainable drainage system.

Informative 1 - Land Drainage Consent

The proposals indicate that the applicant intends to discharge surface water into an un-named watercourse.

Under the Land Drainage Act 1991 (as amended by the Flood & Water Management Act 2010), you need consent from the Lead Local Flood Authority if you want to build a culvert or structure (such as a weir) or carry out works within the banks of any ordinary watercourse which may alter or impede the flow of water, regardless of whether the watercourse is culverted or not.

As a minimum, the applicant will be expected to:

- Carry out studies of the existing culvert/watercourse condition and capacity;

- Undertake an examination of the downstream condition and implications of the development proposal, and;
- Restrict discharge rates so that the peak runoff rate from the development to the ordinary watercourse for the 1 in 1 year rainfall event and the 1 in 100 year rainfall event should never exceed the peak greenfield runoff rate for the same event.

As per Lancashire County Council Consenting and Enforcement Policy, it should be noted that the Lead Local Flood Authority will generally refuse consent applications which seek to culvert an existing ordinary watercourse. This is in line with Environment Agency guidance on protecting watercourses: <http://evidence.environment-agency.gov.uk/FCERM/en/FluvialDesignGuide/Chapter8.aspx?pagenum=6>

You should contact the Flood Risk Management Team at Lancashire County Council to obtain Land Drainage Consent. Information on the application process and relevant forms can be found here: <http://new.lancashire.gov.uk/roads-parking-and-travel/roads/flooding/alterations-to-a-watercourse.aspx>

For the avoidance of doubt, once planning permission has been obtained it does not mean that land drainage consent will be given.

We ask to be re-consulted following the submission of additional information addressing surface water drainage proposals. We will provide you with comments within 21 days of receiving formal re-consultation.

Yours faithfully,

Steven Warren
Lead Local Flood Authority