

## LLFA Planning Consultation Response

<b>Application Number</b>	<b>17/04673/OUT</b>
<b>Proposal</b>	<b>Proposal:</b> Outline application for up to 93 residential dwellings including open space  <b>Applicant:</b> Hallam Land Management
<b>Address</b>	Land At Junction With Carr Road, Hollin Busk Lane, Sheffield, S36 1GH,
<b>Date of Consultation Reply</b>	05/01/18
<b>Drainage Officer:</b>	Roger Nowell
<b>Time for response</b>	1 hour

### **Summary/recommendations on SuDS**

#### **General comment and key outstanding information at application stage**

The scheme will need to provide a satisfactory SuDS design statement. The following comments are made.

#### **Discharge routes and rates**

The Qbar rate should be the rate for site discharge as this is a greenfield site. The rates provided do not seem to correspond to this although the volumes of suggested storage do appear to be approximately what would be expected for such a scale of site. This needs to be clarified. It is suggested that as the site is sloping in nature that the 1 in 100 plus a 30% allowance for climate change should be catered for within the drainage system.

#### **SuDS recommendations**

This site will be discharging into a natural watercourse and needs to consider the impacts on the ecology. It needs to ensure pollutants are captured and prevented from entering the watercourse through SuDS techniques such as permeable paving, roadside swales or treatment basins with bypass for higher flows. Opportunities should be sought to increase the amenity and biodiversity value of green SuDS solutions. Any detailed design or adoption arrangements with the Council should be discussed early within any further stages of this development .

#### **Drainage infrastructure management**

Management arrangements for drainage need to be provided. See table

#### **Surface water flood risk**

No comment

**Recommended conditions**

**Full Details of Proposed SW Drainage Required **\*\*Condition\*\*****

DR21

DR23

Please see below tracker tables giving an indication of required information with regard to design and management arrangements. This will be used by the LLFA to record received information whether submitted at full planning or as part of fulfilling conditions and is provided for guidance. Note if a SuDS design statement has not been submitted the elements of the site surface water infrastructure, indicated in the design tables below, will not be completed 'as provided' until a representation is made for the chosen drainage design.

**Site and application number 17/04673/OUT**

**Management arrangements tracker**

<b>As built drawings of site surface water infrastructure/features</b>	<b>Responsibility</b>	<b>Maintenance schedule/details attached</b>	<b>Resourcing method</b>	<b>Communication/agreement</b>

<b>Site and application number 17/04673/OUT</b>				
<b>Fulfilling Design requirements tracker</b>				Provided
<b>Confirmation of hydraulic criteria</b>				
Site area	Including identifying significant open space			
Impermeable area before				
Impermeable area proposed				
Discharge location	Provision of case for choice /choices			
	Confirmation from owner			
Discharge rate	Evidence of existing discharge rates for different return periods, rates as a result of the development including 1 in 100 plus 30% for climate change (20% for commercial) and proposed rate based on QBar, or variable flow for different return periods OR brownfield 30% rate based on 1 in 1 year return period providing evidence of continued use of existing discharge routes.			
Discharge volume	Evidence of existing discharge volumes for different return periods, volumes as a result of development including 1 in 100 plus climate 30% for change (20% for commercial) and proposed volumes of storage considering any losses through infiltration. Volume expressed as cubic metres per sq metre to facilitate SUDs design			
<b>SuDS Design Statement</b>	See guidance			
<b>Elements of site surface water infrastructure (expand as needed)</b>	Plan	Design detail cross/long sections	Specification of materials	
<b>Evidence of performance</b>				
1 in 30 No site flooding				
1 in 100 plus climate change safely contained onsite				

Modelling evidence		
Exceedance	Evidence that surface flows for higher return periods have been considered to avoid properties	

