

From: Planning
Subject: FW: 3/2021/0203

From: Dunderdale, Chris <
Sent: 22 June 2021 11:45
To: Adam Birkett <
Cc: Brenton, Robert <
Subject: FW: Whalley Road, Barrow, PLANNING APPLICATION NUMBER 3/2018/1149 - discharge of condition 7

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Good morning Adam,

Thank you for re-consulting us on planning application 3/2021/0203. I've had a quick look through the information provided (drawing ENG001 Rev P10 and supporting flow calculations) and I've identified the following issues/discrepancies:

- Pipe number S1.002 is shown as a 150mm diameter pipe on the drainage layout plan, but it's been modelled as a 1500mm diameter pipe according to the supporting flow calculations. Please can this be checked by the applicant and amended for accuracy?
- The supporting flow calculations are incomplete as they fail to include details for the online controls and storage structures. This is an important part of our audit process. Please can a full set of calculations be provided so that we can complete our audit assessment?
- According to the annotations on the drainage layout plan, an additional 10% allowance has been included within the drainage design to allow for future urban creep. It's not clear to me from the calculations how this 10% allowance has been applied. Please can we have some further clarification on this?
- It's not clear whether the drainage network has been modelled with a free flowing outfall or with a surcharged outfall. Please can we have some further clarification on this? For the avoidance of doubt, we'd expect for the drainage network to be modelled with a surcharged outfall, unless it can be demonstrated that a free flowing outfall can be achieved.

In addition to the above, the following information is also still outstanding:

Information	Requirement
A plan that identifies the areas that will contribute to the surface water drainage network, including surface water flows from outside the curtilage as necessary.	Con 7 (a) (c)
A plan that shows the flood water exceedance routes, both on and off-site.	Con 7 (d)
A timetable for implementation, including phasing where applicable	Con 7 (e)

Again, I've no further comments to make with regards to conditions 9 and 12 as that information is still outstanding.

Many thanks,

Chris

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