



orkshireWater

Mr D Collett
Manor Farm House
High Street
Hampsthwaite
Harrogate
HG3 2HA

7 July 2016

Yorkshire Water
PO Box 52
Bradford
BD3 7YD

Tel: 01274 407167
Web: www.yorkshirewater.com

Customer Helpline: 0345 1 24 24 24

Our reference: R159109
Your reference: 247260230901216

Dear Mr Collett

I'm writing further to our telephone conversations about the proposed housing development, Hampsthwaite, Harrogate.

I can confirm that development proposals are assessed on a site by site basis. Residential properties have a legal right of connection under Section 106 of the Water Industry Act 1991 for foul water.

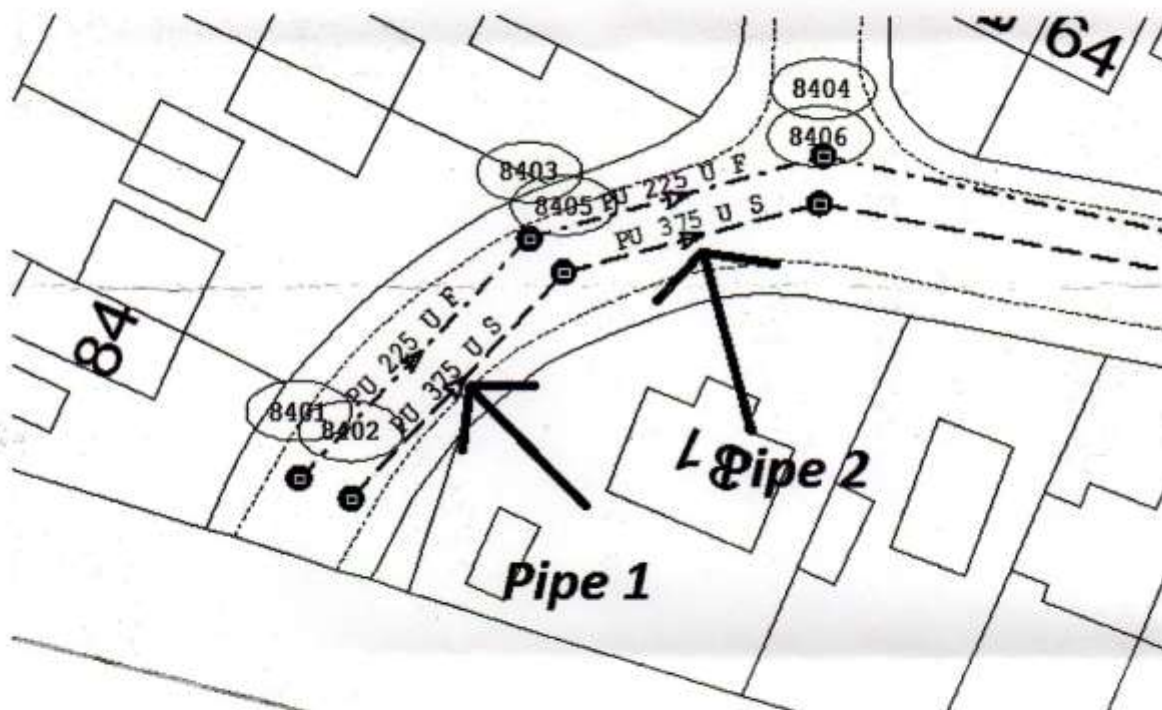
For ease of reading, I have answered the questions you have raised in your letter we received on 20 April 2016 in the order they were presented. Please see the attached information.

Yours sincerely

Robert Storey
Customer Care Co-ordinator

You have the right to have your complaint reviewed by our Head of Customer Service, as explained in the enclosed complaints leaflet.

1. I am unable to provide you with information about the capacity of each leg of the downstream sewer. There is not enough recorded data. I can give you the first two legs from the developers drawing. Please see the image below.



Pipe 1 165 l/s full bore
Pipe 2 280 l/s full bore

No guarantee as to the accuracy of this information can be offered. Secondly a pipe's ultimate carrying capacity depends on the hydraulic gradient along the sewer run.

2. We are unable to advise of the spare capacity of each downstream leg as this information is not available.
3. Across all storm conditions the maximum pass forward flow from the site is to be 10 litres per second.
4. I am unable to confirm the spare capacity, again that information is not available.
5. The public surface water sewer network is for curtilage drainage. Land drainage has no right of connection to public sewer.
6. We are not responsible for water courses, for any information regarding watercourses, please contact the Environment Agency on 03708 506 506 or email enquiries@environment-agency.gov.uk.

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7. Due to data protection, I am not able to provide you with information of specific locations. I could provide you with details of flooding specific to your property, however there have been no reports of flooding here.
8. With regards to the number of times the Sewage Pumping Station (SPS) has 'failed', in terms of having both pumps unavailable, there have been 12 separate incidents since the start of 2015 which is the furthest back I can check. Unfortunately, only 3 have feedback notes on them;
 - 17/03/2015. Planned work on site.
 - 27/09/2015. YEDL power fault.
 - 14/04/2016. Planned work - contractors fitting new flow meters at site.

These issues were not due to rainfall. The nine other incidents unfortunately do not have information on them. I am unable to confirm the cause of these problems.

9. From discussions with the responsible officer of the SPS, there have been no operational issues here for some time. Tankering took place a couple of months ago but this was due to the installation of pressure/flow monitors and was not due to any issues with the SPS.
10. For any information regarding proposed schemes, this information would be available on Harrogate Borough Council's website. You will need to visit their planning section.
11. There are 4 Combined Sewer Overflows (CSOs) in Hampsthwaite.
 - Hirst Lane CSO, Hirst Lane.
This CSO is attached to the SPS and therefore is only active when the SPS wet well is full. It is a Rok2 Rotamat powered screen. It is a "perforated plate" type screen, meaning that flows pass through the screen (and out to a watercourse) whilst any rags and debris are removed back into the wet well. This was installed in April 2005.
 - The Granary CSO, Church Lane.
This CSO is a Stilling pond design. It is a non-mechanical design and works with in line storage. Once the line is full this spills to the watercourse. This was installed in 1995.
 - Village Green CSO, High Street.
This is a simple, non-mechanical single sided low weir wall. Built in 1995.
 - Hollins Close CSO, Hollins Close.
This is a non-mechanical single sided high weir wall. Built in 1995.

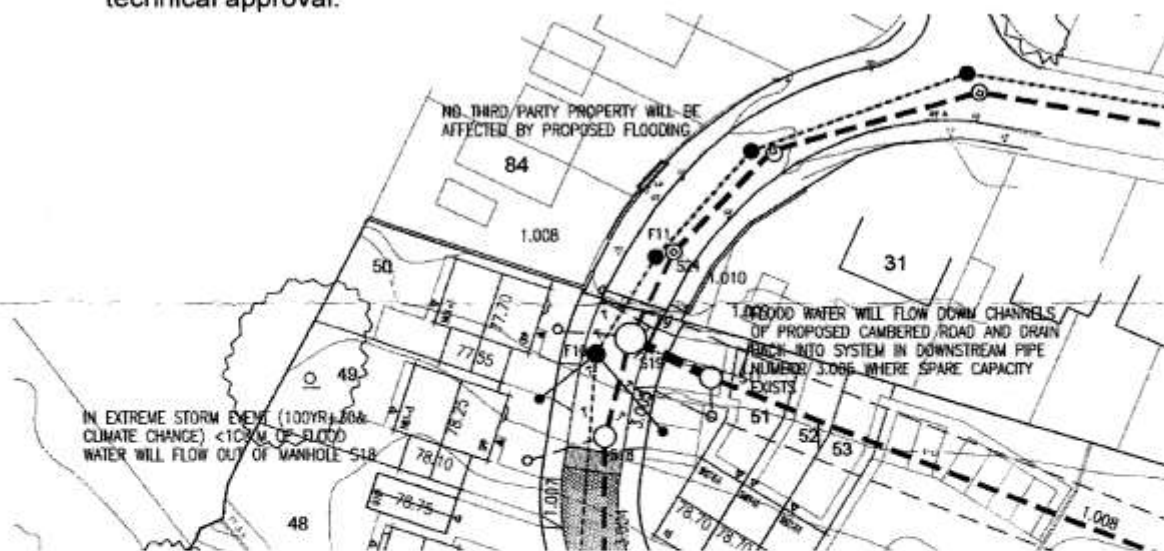
CSOs have a 3 monthly maintenance program which include a visual inspection.

12. Regarding sewage entering Cockhill Beck, this could be from the CSOs nearby. The CSOs are designed to allow some combined sewage to discharge into the Beck under storm rainfall conditions. Any sewage released from them will be very dilute because of the large volumes of rain water within the system.

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Also, as soon as it enters the river, the sewage will be diluted even further and any bacteria will start to be destroyed by natural processes. All CSOs are fitted with screens that help to remove debris; furthermore, the Environment Agency monitor and regulate the activity of our CSOs. However, if there is a specific location you are concerned about, please advise so we can investigate.

13. The drainage details have been uploaded to the planning authorities web site for public inspection under reference 16/01074/DVCMAJ.
14. A discharge consent would be for ground dewatering during construction. If they wanted to discharge to sewer then yes they'd need this. They've currently bunded the site entrance and no application has been made to us. They can't discharge silted water to public sewer and this would be a matter for the trade consent. A means to prevent silt entering the public sewer would have to be provided i.e a sump chamber or silt trap.
15. The site when occupied will not increase flood risk to the residents of Brookfield. What happens while the site is under construction is beyond our control.
16. During construction, in the event that the tank gets silted up we would expect the developer to remove the silt usually via a Vactor type operation. We will inspect during construction, at the time of the "pre-maintenance" inspection (when we start the clock for adoption) and then at the time of vesting. If we found issues at pre-maintenance or vesting we'd expect the developer to get the problem sorted, or we would not progress the adoption of the sewers.
17. Yes we have that plan as part of the Section 104 adoption scheme we have given technical approval.



This plan shows what happens when the rainfall is in excess of what the sewer system is designed for. It's the safe flood routing, where water that escapes the sewer system runs.

In this instance, the blue comments describe how the excess water (based on a 1 in 100 year rainfall event) escape from manhole S18, runs down channels in the road, is collected by gullies and then returned to the sewer system.

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