

## Annette Griffiths

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**From:** Jones-Hughes Henry <Henry.Jones-Hughes@dwrcymru.com>  
**Sent:** 25 July 2017 12:11  
**To:** Vincent Williams  
**Cc:** Jonathan Smith  
**Subject:** RE: 13375/5049 Rhos Road Soakaways - 217-111

Hi Vince

Thanks for sending through the information. Im happy to agree the discharge of surface water from the site into the surface water sewer at no more than 5l/s

Regards  
Henry



**Henry Jones-Hughes**  
**Development Control Officer | Developer Services | Wholesale Business Services | Services Dwr Cymru Welsh Water**  
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**From:** Vincent Williams [mailto:VincentWilliams@ajpstructeng.com]  
**Sent:** 25 July 2017 08:50  
**To:** Jones-Hughes Henry <Henry.Jones-Hughes@dwrcymru.com>  
**Cc:** Jonathan Smith <jonathansmith@ajpstructeng.com>  
**Subject:** FW: 13375/5049 Rhos Road Soakaways - 217-111  
**Importance:** High

\*\*\*\*\* External Mail \*\*\*\*\*

Good morning Henry.

Our SI team have gone out and now undertaken the BRE digest 365 soakaway tests in 2 locations as requested.

As you can see from the attached results / email below the soils have proven to be more impervious than normal with no movement of water whatsoever confirming our original statement that SuDS is not a viable solution for this scheme.

We have also completed a drainage survey of the area which I've attached a PDF of for reference

As you can see from the attached sewer survey the adjacent site installed a new 300 sw sewer which discharges to a river outfall not too far downstream and is where the original planning layout proposed connecting to (within ex play area)

Are we now in a position to agree that we can discharge at greenfield run-off (5 l/sec for sites of less than 1 Ha) into this SW sewer at MH SJ29617407 to enable me to start progressing this scheme?

Kind regards

Vince Williams

Alan Johnston Partnership LLP

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**From:** Stacey Chappell [<mailto:SChappell@starfish-group.co.uk>]

**Sent:** 24 July 2017 16:43

**To:** Vincent Williams <[VincentWilliams@ajpstructeng.com](mailto:VincentWilliams@ajpstructeng.com)>; Jonathan Smith <[jonathansmith@ajpstructeng.com](mailto:jonathansmith@ajpstructeng.com)>

**Cc:** Jim Wilcock <[jwilcock@starfish-group.co.uk](mailto:jwilcock@starfish-group.co.uk)>; Carl Watkin <[cwatkin@starfish-group.co.uk](mailto:cwatkin@starfish-group.co.uk)>; Simon Woodward <[Simon@starfish-group.co.uk](mailto:Simon@starfish-group.co.uk)>; Tom Sykes <[Tom.Sykes@watsonbattv.com](mailto:Tom.Sykes@watsonbattv.com)>

**Subject:** FW: 13375/5049 Rhos Road Soakaways

**Importance:** High

Hi Vincent

Soakaway results as requested.

Regards

Stacey

**Stacey Chappell**

Design and Technical Manager

**From:** Joseph Morley [<mailto:Joseph.Morley@MetEngineers.com>]

**Sent:** 24 July 2017 16:37

**To:** Stacey Chappell <[SChappell@starfish-group.co.uk](mailto:SChappell@starfish-group.co.uk)>

**Cc:** Matthew Young <[Matthew.Young@MetEngineers.com](mailto:Matthew.Young@MetEngineers.com)>

**Subject:** 13375/5049 Rhos Road Soakaways

Hi Stacey,

Further to your conversation with Matt I can confirm that the soakaway tests I carried out at Rhos Road did not work.

Please see the attached photos of the two soakaway tests (SA). The photos show the tests at the start and finish. Over a 2 hour test the water in SA1 went up from 310mm to 320mm, this is most likely due to a small amount of infiltration from perched water within the clay. The second soakaway (SA2) showed no movement from 330mm over the 2 hours period.

I have also attached the site plan and the window sampler logs for your convenience. Please note BH01 on the window sampler logs was taken to a depth of 6.09mbgl. The updated phase 2 report will be issued by 1<sup>st</sup> August.

Regards,

Joseph Morley B.Sc.(Hons.), M.Sc., F.G.S.

**Assistant Engineer**

For and on behalf of Met Engineers Ltd



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