

Appendix B

STAKEHOLDERS CORRESPONDENCE



Appendix B.1

ENVIRONMENT AGENCY



Our reference: SSD155517

SENT BY EMAIL ONLY: [REDACTED]@wsp.com

3 January 2020

Dear [REDACTED],

Thank you for your request of 16/12/19 to use Environment Agency Product 4 data, for the site at A29 Realignment.

Response to your request

The Environment Agency's records indicate that the above site is located in Flood Zone 1 (land assessed as having less than 0.1% (1 in 1,000) chance of flooding in any given year from **rivers or the sea**). Therefore, the likelihood of flooding from rivers and sea in this area is estimated as 'very low'.

Proximity to Flood Zones 2 or 3

The above site is approximately 392 metres away from Flood Zone 2. We are therefore unable to provide data from our detailed fluvial or tidal models which is relevant to your site.

More information on Flood Zones can be found on the GOV.UK website:

<http://planningguidance.planningportal.gov.uk/blog/guidance/flood-risk-and-coastal-change/flood-zone-and-flood-risk-tables/table-1-flood-zones/>

Surface water flooding

Our mapping indicates that this site is at risk of surface water flooding.

For information on flooding from all other sources, such as surface water, please contact the Lead Local Flood Authority, which in this case is West Sussex County Council. A link to their information available online is shown below:

<https://www.westsussex.gov.uk/fire-emergencies-and-crime/dealing-with-extreme-weather/dealing-with-flooding/flood-risk-management/local-flood-risk-management-strategy/>

Please note that the above is a link to an external website which the Environment Agency does not control or maintain. Therefore, the link may not be the most up-to-date at the date of this letter. If the link does not work, and you are unable to find the information about surface water flooding on the relevant website, please contact the authority named above directly.

Where you can find further information

- Detailed long-term flood information and maps can be found on the GOV.UK website:
<https://flood-warning-information.service.gov.uk/long-term-flood-risk/>
- Flood maps for planning can be found on the GOV.UK website:
<https://flood-map-for-planning.service.gov.uk/>
- Please be aware that in February 2016 the Environment Agency updated its guidance on climate change allowances. The standard allowance of adding 20% to peak flows – as per previous guidance in the National Planning Policy Framework, may not be applicable for the purposes of informing development proposals. It is possible that our current modelling has under estimated flood risk when taking climate change into consideration. This does not however have an effect on Flood Zones 2 or 3. For further information please visit:
<https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances>
- Further details about the Environment Agency information supplied can be found on the GOV.UK website:
<https://www.gov.uk/browse/environment-countryside/flooding-extreme-weather>
- If you have requested this information to help inform a development proposal, then you should note the information on GOV.UK on the use of Environment Agency information for Flood Risk Assessments:
<https://www.gov.uk/planning-applications-assessing-flood-risk>
<https://www.gov.uk/government/publications/pre-planning-application-enquiry-form-preliminary-opinion>

If you have any queries or would like to discuss the content of this letter further please call us on 03708 506 506, or reply to the email sent to you with this letter attached.

Please get in touch if you have any further queries or contact us within two (2) months if you would like us to review the information we have sent.

For information on what you can expect from us and our full service commitment to you, please click on this link:

<https://www.gov.uk/government/publications/environment-agency-customer-service-commitment--2/environment-agency-customer-service-commitment>

Yours sincerely,



Customers and Engagement Officer

[REDACTED]

From: SSD Enquiries <SSDEnquiries@environment-agency.gov.uk>
Sent: 03 January 2020 11:17
To: [REDACTED]
Subject: 200103 SSD155517 Flood risk, Drainage and Groundwater Enquiry -
CONFIDENTIAL
Attachments: Product 4 FZ1 letter.pdf; Surface Water map.pdf

Dear [REDACTED],

Thank you for your email of 16/12/19. Please see the below response that we have received from the technical team:

For the minimum depth of the base of the infiltration swale/ basin we refer you to the CIRIA SuDS Manual C753. Generally a minimum distance of 1m should be provided between the base of an infiltration system and the groundwater.

Please be advised that we do not have any detailed modelling for the site, nor do we hold any historical records of flooding at the site, Please also note that the site is within Flood Zone 1, please see the attached letter which provides further information. I have also attached a surface water map for your information.

This information is supplied subject to the notice which can be viewed via the following link:
<http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/>

Please get in touch if you have any further queries or contact us within two months if you would like us to review the information we have sent.

Kind regards,
[REDACTED]

Customers & Engagement Team
Environment Agency | Solent and South Downs Area | Pevensey Office | Coast Road | Pevensey Bay | East Sussex | BN24 6ND
email: ssdenquiries@environment-agency.gov.uk

From: [REDACTED] [[mailto:\[REDACTED\]@wsp.com](mailto:[REDACTED]@wsp.com)]
Sent: 16 December 2019 15:41
To: Enquiries, Unit <enquiries@environment-agency.gov.uk>
Subject: A29 - Flood risk, Drainage and Groundwater Enquiry - CONFIDENTIAL

Dear Sirs,

A29 REALIGNMENT – PHASE 1 (CONFIDENTIAL)

WSP is currently working on the drainage strategy for the A29 re-alignment Phase 1. Preliminary ground investigation data indicates that the ground is highly permeable which provides a good opportunity for infiltration, however groundwater levels vary across the site.

Please could you provide us with the following:

- your position on the minimum depth you require between the base of infiltration swale/basin and the watertable.
- Product 4
- Historical records of flooding at or within the vicinity of the site, including groundwater flooding. If the Environment Agency does not hold any records, please can you confirm that the site has no record of flooding in the past.

- Any additional flood data or policy the Environment Agency considers useful for the above site, including any previous historical agreements associated with this specific development site.

A location plan is attached for reference. If any questions please let me know

Kind regards,

[Redacted Name]

Engineer - Water



T+ [Redacted Phone Number] 1

Mountbatten House, Basing View
Basingstoke, Hampshire
RG21 4HJ

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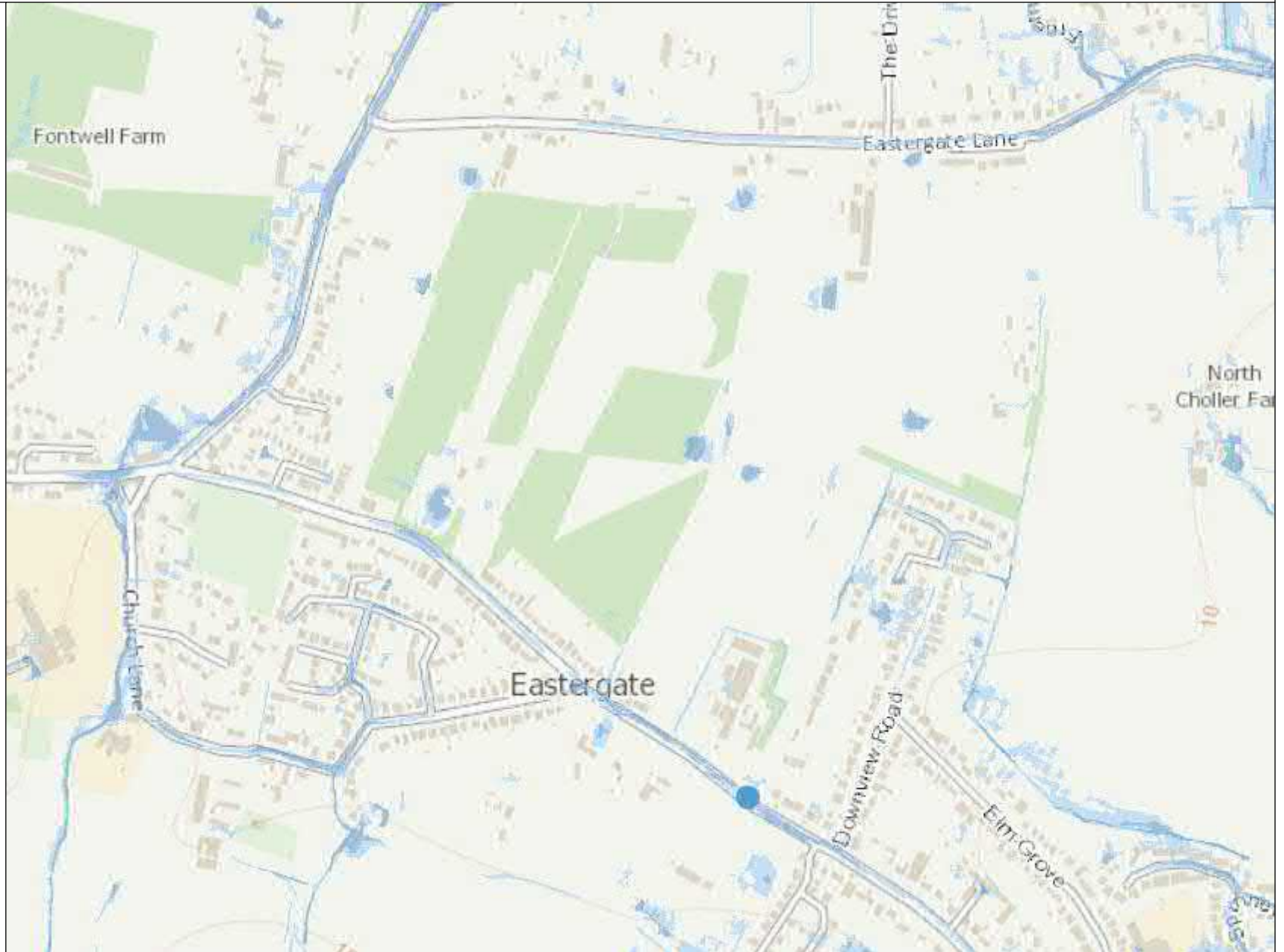
LAEmHhHzdJzBITWfa4Hgs7pbKI

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Risk of Flooding from Surface Water, Created 3/1/2020

Legend

-  Flood Extent 1 in 100
-  Flood Extent 1 in 1000



Appendix B.2

WEST SUSSEX COUNTY COUNCIL
(LEAD LOCAL FLOOD AUTHORITY)
AND ARUN DISTRICT COUNCIL



[REDACTED]

From: [REDACTED]@arun.gov.uk>
Sent: 30 April 2020 13:01
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: A29 realignment Phase 1 - Historic Flooding and Unlicensed Abstraction Data

[REDACTED],

Just add to [REDACTED]'s comments and mentioning some known flooding in the vicinity;

1. Chantry Mead – there is no flooding but issues with the construction of the suds system. This is almost resolved. Prior to the development there was flooding on the site in 1993/94.
2. As Kevin says, the surface water flood map pretty much replicates most potential/known flooding locations. An example; Highway outside Follyfoot Farm on Fontwell Avenue flooded in 1993/94.
3. Groundwater in Murrells Gardens/Chantry Mead has been know to peak at around 150mm to 300mm below ground level.
4. Historic flooding at junction of Wandleys Lane/Fontwell Avenue (highway and possibly properties) – numerous occasions - likely to be due to the Portsmouth borehole going artesian.
5. Flooding outside Hill View, Eastergate Lane in 2010 – details unknown

Regards

[REDACTED]

Principal Engineer (Drainage)

[REDACTED] Principal Engineer (Drainage), Engineering Services, Arun District Council Location: First Floor, Arun Civic Centre, Maltravers Road, Littlehampton, BN17 5LF
Internal: [REDACTED] External: +[REDACTED] Fax: [REDACTED] E-mail: [REDACTED]@arun.gov.uk
Arun is Working in Partnership with Chichester District Council
Visit Arun's web site at http://www.arun.gov.uk/ and www.chichester.gov.uk
 Save the environment - think before you print.

From: [REDACTED]@westsussex.gov.uk>
Sent: 30 April 2020 11:51
To: [REDACTED]@wsp.com>
Cc: [REDACTED]@westsussex.gov.uk>; P [REDACTED]@arun.gov.uk>
Subject: RE: A29 realignment Phase 1 - Historic Flooding and Unlicensed Abstraction Data

[REDACTED],

The actual area that the A29 Phase 1 realignment will be built over is currently agricultural land, therefore we have no knowledge of historic flooding for this location. We are aware, based on the current ground water monitoring, that the ground water adjacent to 'Murrell Gardens and Chantry Mead is generally high during the winter months. As you said in your email we are aware of historic flooding in the surrounding area, much of which follows the 'surface water flood mapping' flow routes as shown on the attached plan.

I have attached a plan showing the existing Portsmouth Water pumping stations which at times of elevated groundwater have gone artesian, winter 2013/14 being the most recent example I believe. Then the water followed the 'surface water flood mapping' flow routes i.e. south down the A29 and south down Northfield Lane.

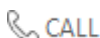

We do not hold any records of unlicensed private water abstractions.

Regards,

[Redacted]

[Redacted]

Flood Risk Management – Team Leader
Highways, Transport and Planning
Place Services
West Sussex County Council

Location: Western Area Office, Drayton Lane, Nr. Chichester, West Sussex. PO20 2AJ.

[Redacted]

E-mail: [Redacted]@westsussex.gov.uk

[Report a problem with a road or pavement](#) or [raise a highways related enquiry](#)

Follow us at  [@WSHighways](#)

From: [Redacted] a@wsp.com]
Sent: 29 April 2020 19:40
To: [Redacted]
Cc: [Redacted]
Subject: A29 realignment Phase 1 - Historic Flooding and Unlicensed Abstraction Data

Dear all,

I am writing to you in relation to the A29 realignment Phase 1. WSP is undertaking a Flood Risk Assessment and an Environmental Impact Assessment for this scheme and we would like to request relevant flood risk data as well as records of unlicensed water abstraction.

- Please could the WSCC (LLFA) and Arun District Council provide us with the following:
- Updated historic flood records near the scheme, including groundwater flooding in the area. In previous correspondence with Arun District Council, dated March 2018, we are been informed of flooding in Chantry Mead (north of the proposed roundabout with Barnham Road) – please could you confirm;
 - Whether you hold any records of unlicensed private water abstractions (surface water and groundwater). Licensed abstraction records are held by the Environment Agency, and represent abstractions over 20,000m³;
 - Any other relevant flood risk information.

Please find attached a highways layout of the scheme which might be subject to further detailed design and boundary agreements.

Feel free to contact myself on the number below with any questions.

Kind regards,

[Redacted]
Engineer – Water Specialisms



[Redacted]

Mountbatten House, Basing View
Basingstoke, Hampshire
RG21 4HJ

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<http://www.arun.gov.uk>

DX 57406 Littlehampton

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Surface Water Flood Risk Areas



Crown Copyright 2017

Date: April 2020
Author: K Macknay
Scale: 1:10,000
Map Notes:

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West Sussex County Council
100023447 (2017)