APPENDIX D1 - FLOOD MAP

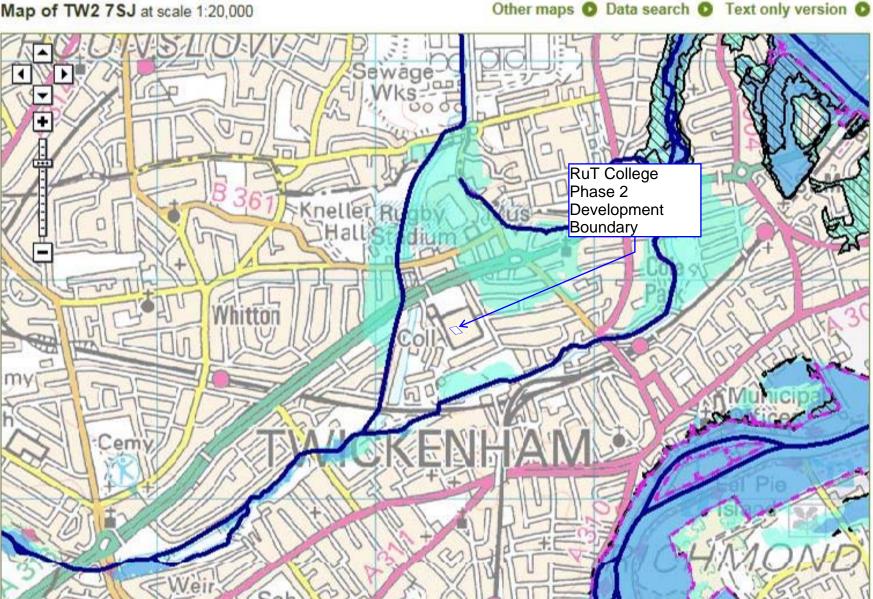
SOURCE - ENVIRONMENT AGENCY WEBSITE

Map legend

Click on the map to see what Flood Zone (National Planning Policy Guidance definitions) the proposed development is in.

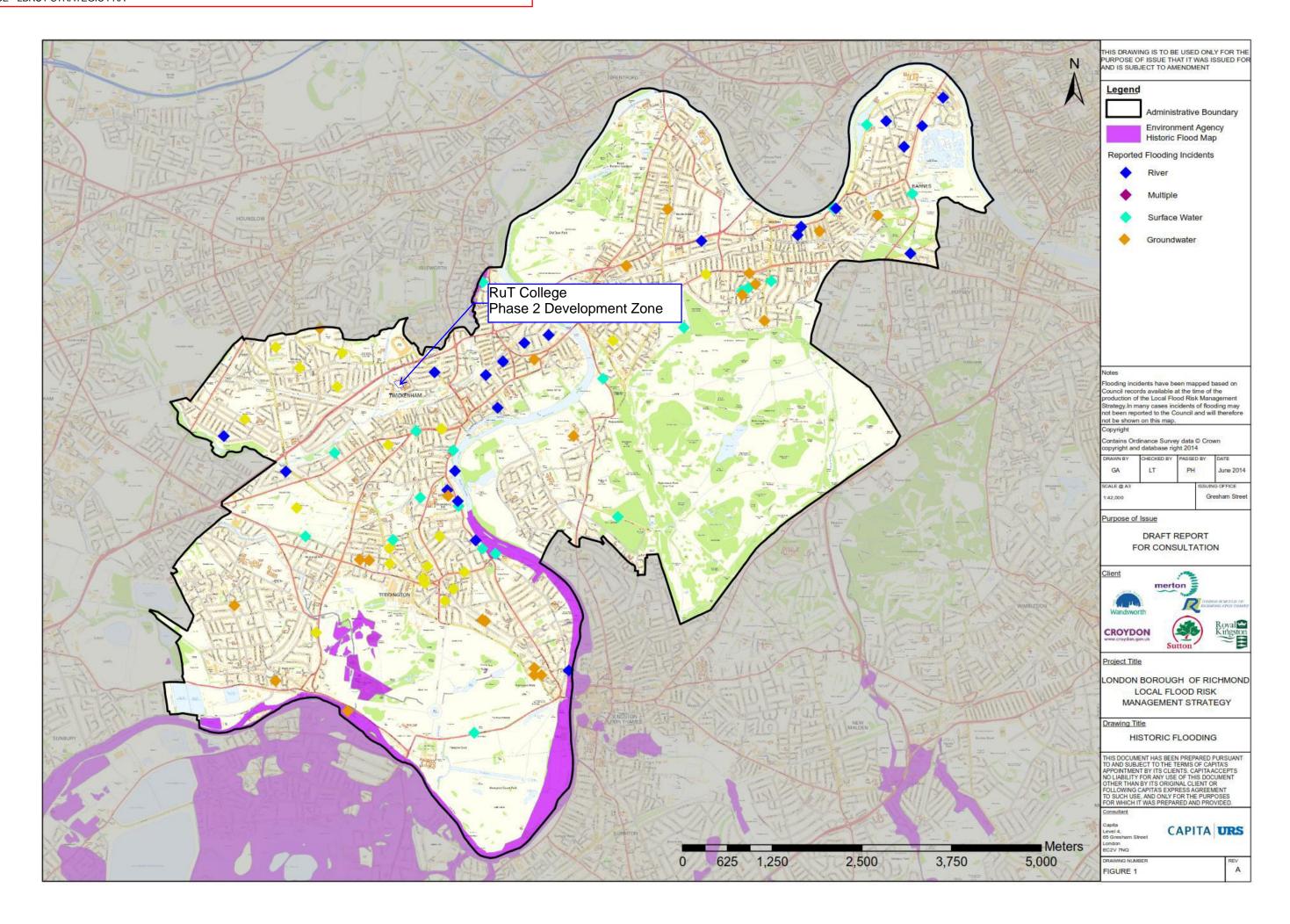
- ─ Flood Map for Planning (Rivers and Sea) (1)
- Flood Zone 3
- Flood Zone 2
- Flood defences (Not all may be shown*)
- Areas benefiting from flood defences (Not all may be shown*)
- Main River
- ☐ ✓ Other national environmental organisations (1)
- Natural Resources Wales Area of responsibility
- Scottish Environment Protection Agency Area of responsibility

Map of TW2 7SJ at scale 1:20,000



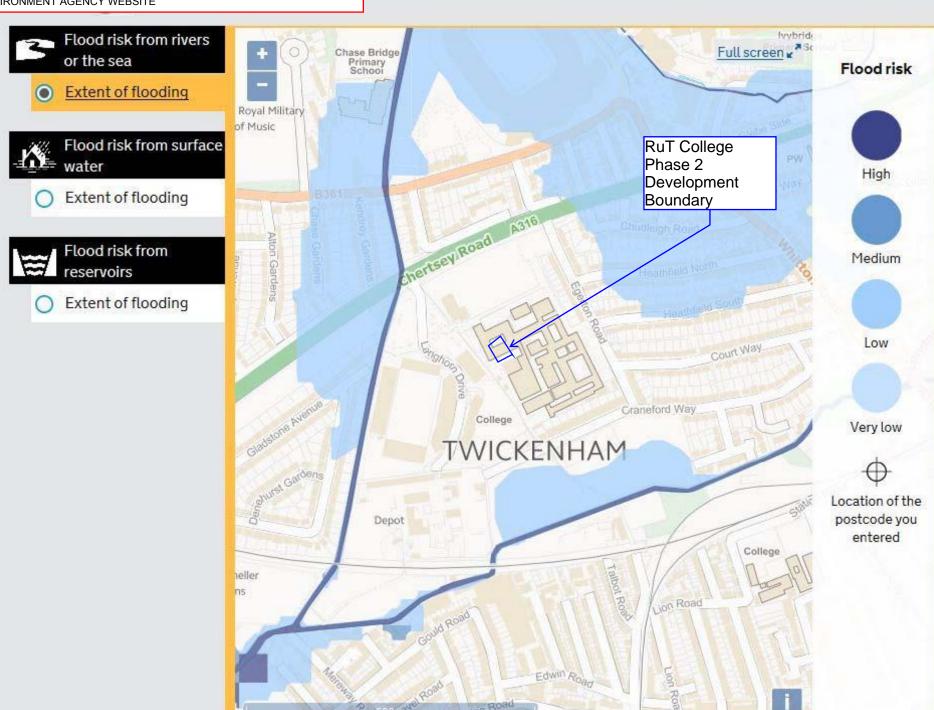
Customers in Wales - From 1 April 2013 Natural Resources Wales (NRW) has taken over the responsibilities of the Environment Agency in Wales. Environment Agency copyright and database rights 2016.
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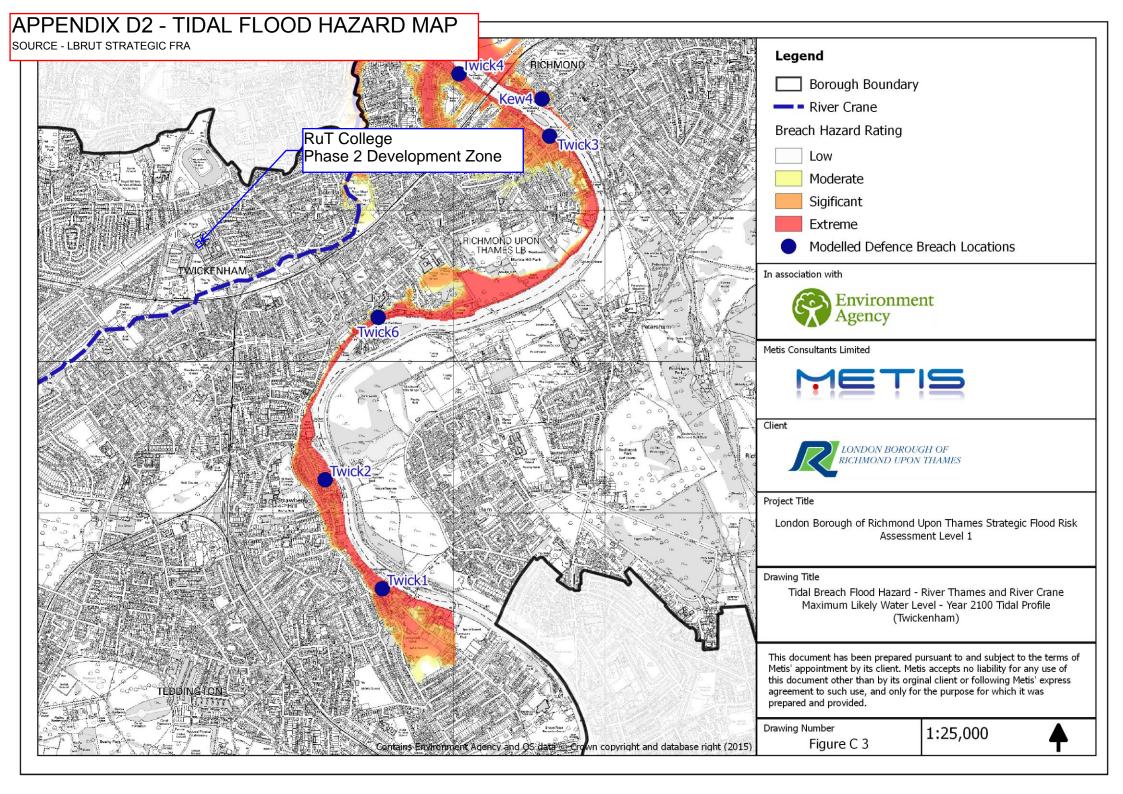
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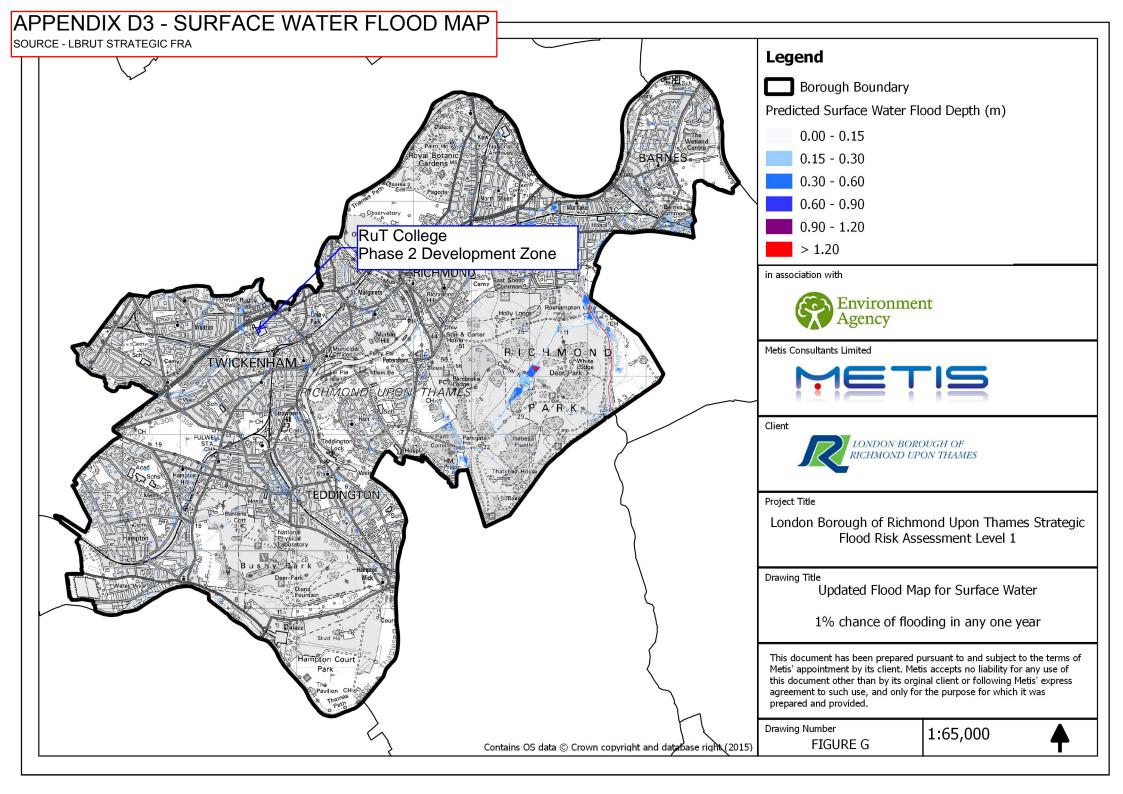


APPENDIX D2 - FLUVIAL AND TIDAL FLOOD MAP

SOURCE - ENVIRONMENT AGENCY WEBSITE

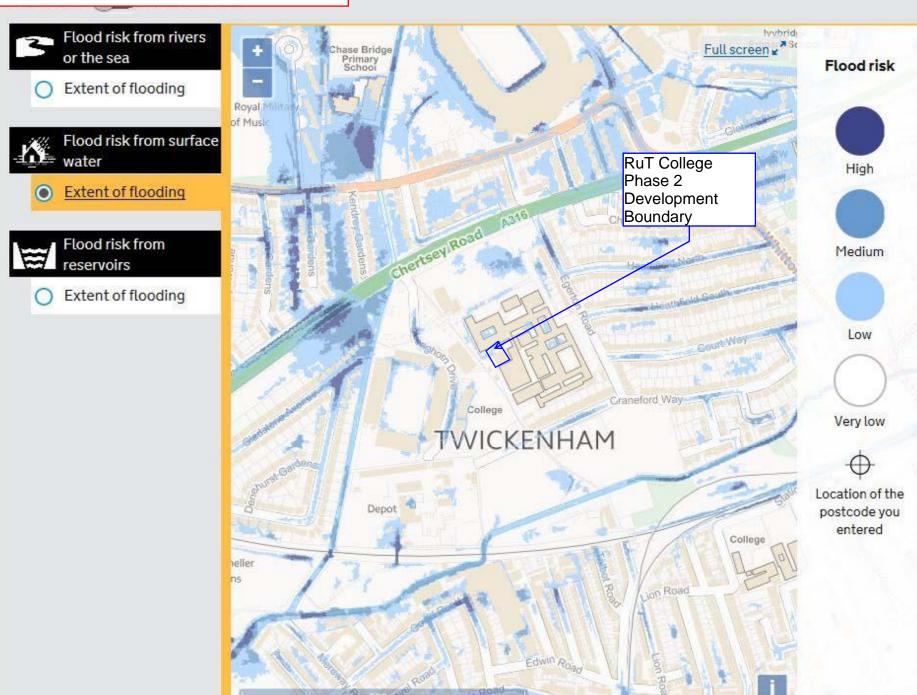




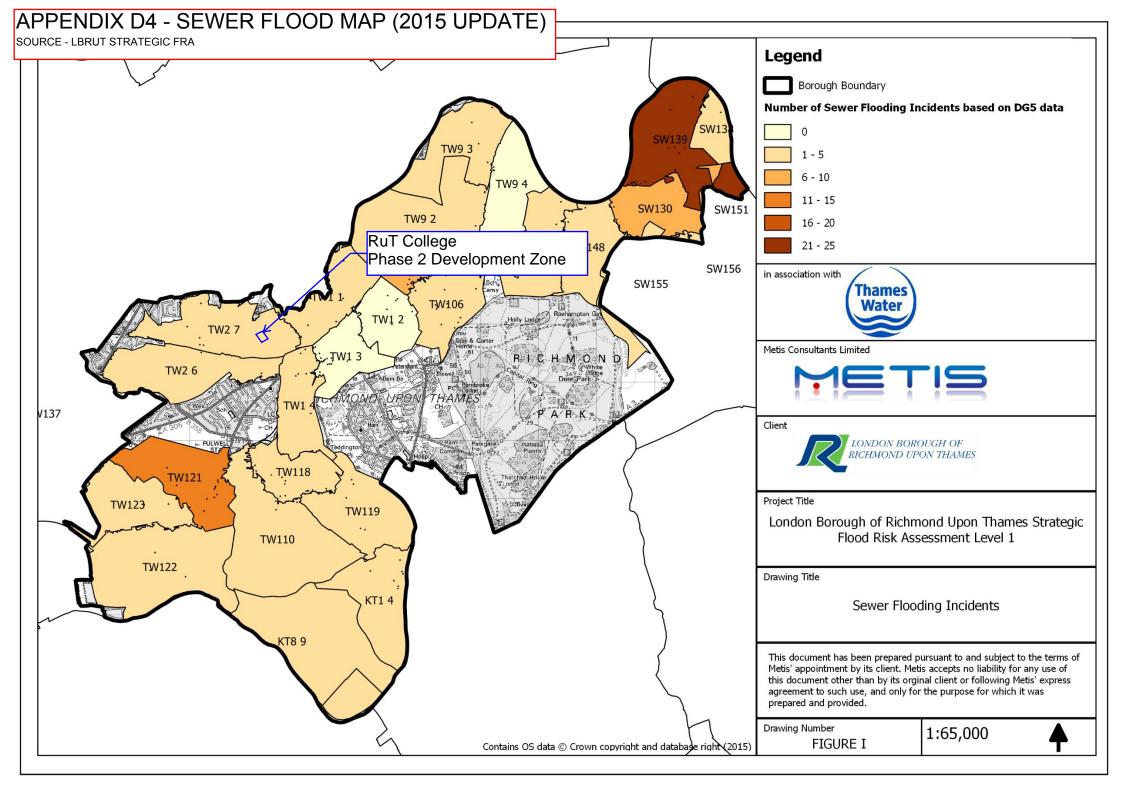


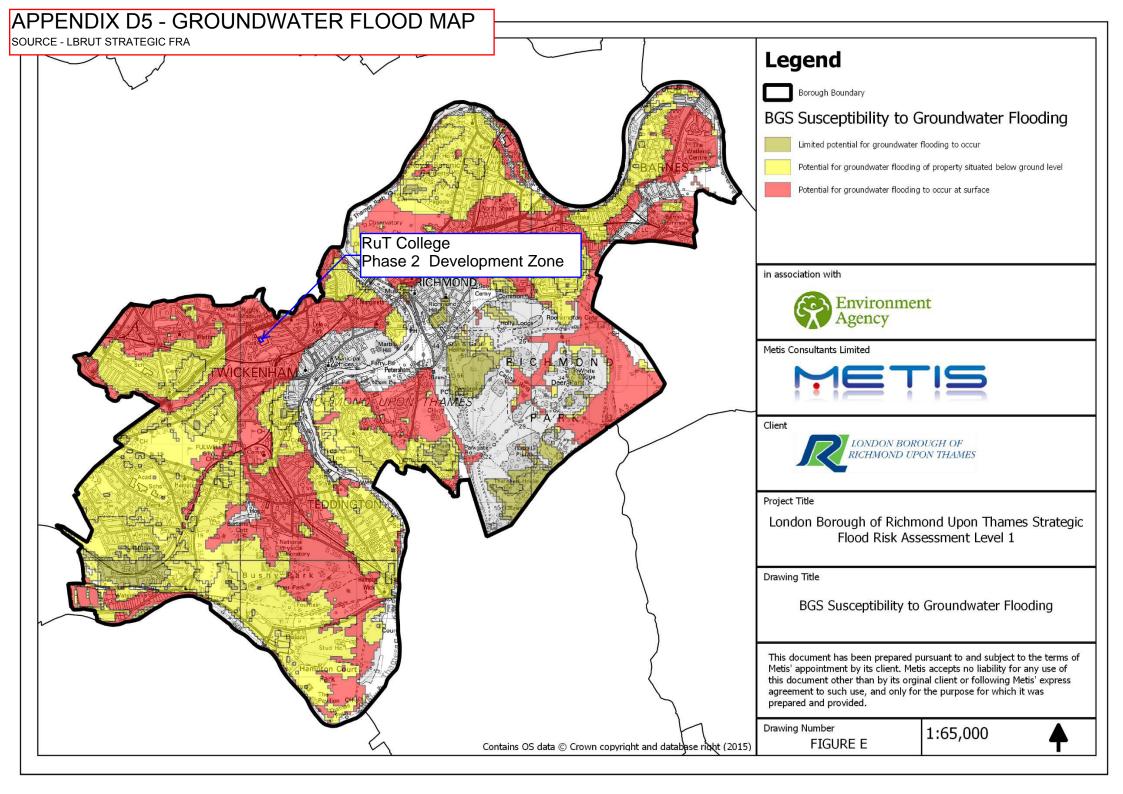
APPENDIX D3 - SURFACE WATER FLOOD MAP

SOURCE - ENVIRONMENT AGENCY WEBSITE



APPENDIX D4 - SEWER FLOOD MAP (2011) THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED Legend NORTH Borough Administrative Boundary Sewer Flooding Incidents TW8 0 No. of Sewer Flood Records None SW139 1-5 6 - 10 TW9 4 11 - 20 21 - 50 SW130 TW9 2 51 - 100 101+ London Borough of Hounslow SW147 SW148 SW156 RuT College Phase 2 Development Zone TW7 7 TW3 2 SW155 London Borough of Wandswo TW106 **Notes** TW4 5 TW2-7 1. Sewer flood records relate to internal and external flooding of properties 2. Data supplied by Thames Water Ltd and is correct TW1 3 RICHMOND as at June 2010 3. Point data supplied by Borough Council TW2 6 Deer Park TW105 SW154 **London Borough of** SW153 TW1(4 Richmond TW107 TW2 5 A/R K LONDON BOROUGH OF RICHMOND UPON THAMES TW136 TW118 **Preliminary Flood Risk Assessment** London Borough of Merton © Crown Copyright. All rights reserved. GLA (LA100032379) 2011 Covers all data that has been supplied and distributed under TW123 TW119 license for the Drain London project. **KT25** Digital geological data reproduced from British Geological Survey TW110 **KT27** (c) NERC Licence No 2011/053A Scale at A3 Date Drawn by Approved by 1:45,000 13/05/2011 **D.SKILTON E.CRAVEN** TW165 TW122 **Sewer Flooding Incidents** Royal Borough of Kingston upon Thames URS / Scott Wilson 6 - 8 Greencoat Place KT8 1 **CAPITA SYMONDS** Flood Risk Management KT8 9 **Drain London Programme Board Members** LONDON Environ Agency Environment Thames COUNCILS **GREATERLONDON** AUTHORITY **KT70** 0 0.25 0.5 FIGURE 3



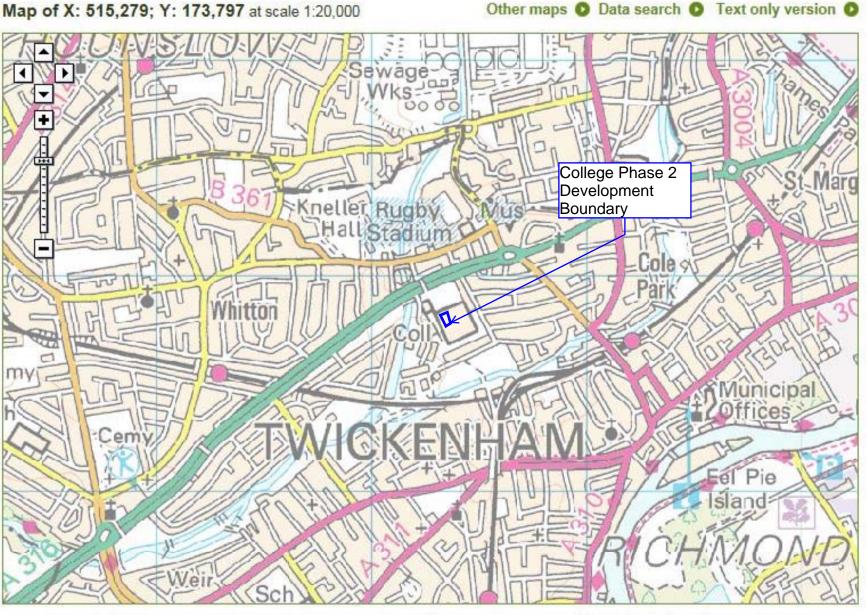


APPENDIX D5 - GROUNDWATER FLOOD MAP

SOURCE - ENVIRONMENT AGENCY WEBSITE

Map legend protection zones (1) Inner zone (Zone 1) Inner zone - subsurface activity only (Zone 1c) Outer zone (Zone 2) Outer zone - subsurface activity only (Zone 2c) Total catchment (Zone 3) Total catchment subsurface activity only (Zone 3c) Special interest (Zone 4) BGS Aquifer Maps -Superficial Deposits Designation (1) Principal Secondary A Secondary B Secondary (undifferentiated) Unknown (lakes and

landslip)



Customers in Wales - From 1 April 2013 Natural Resources Wales (NRW) has taken over the responsibilities of the Environment Agency in Wales.

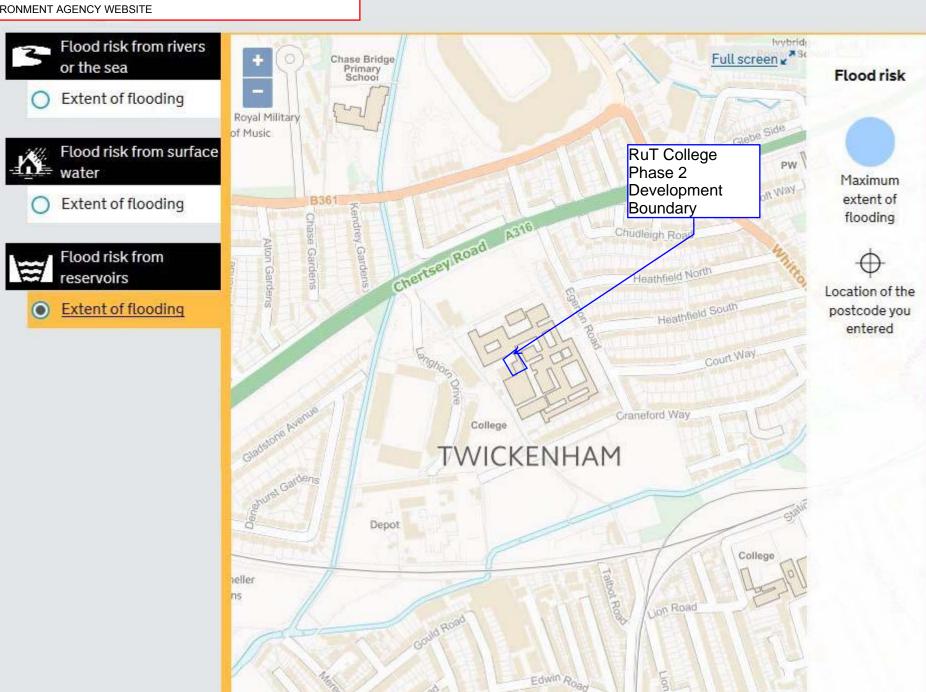
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APPENDIX D6 - RESERVOIR FLOOD MAP

SOURCE - ENVIRONMENT AGENCY WEBSITE



Appendix E. Thames Water Drainage Acceptance Letter



Jessica Taylor Atkins Euston Tower 286 Euston Road London NW1 3AT



Your account number DS4007616



thameswater.co.uk



0800 009 3921 Mon – Fri 9am-5pm, 05th May 2016

Pre Development Enquiry

Site Address: Richmond College, Twickenham, Middlesex, TW2 7SQ

Development Details: New Campus with occupancy of 3300 (including staff), Residential Development comprising 179 properties and Haymarket group technical hub with occupancy of 100

Dear Miss Taylor

I write in relation to the above site regarding the proposed development here.

Please note: your initial fee of £398+ VAT covers the expense of our asset planners reviewing your proposed discharges in relation to the capacity in our existing network. They also carry out flood risk assessments. At this stage if your proposal is accepted, we issue an approval letter for you to progress with your development.

Foul Water

In this instance we have notified our Catchment Planners for the area and they have made comment regarding the capacity of the public sewers. The proposed discharge rates are acceptable providing that the flow rate from the Nuffield St Health Centre as shown in submitted calculations. If the flows proves to be higher than the rate allowed in the calculations provided following flow testing, Thames Water should be consulted.

Surface Water

Please note that discharging surface water to the public sewer network should only be considered after all other methods of disposal have been investigated and proven to be not viable. In accordance with the Building Act 2000 Clause H3.3, positive connection to a public sewer will only be consented when it can be demonstrated that the hierarchy of disposal methods have been examined and proven to be impracticable. The disposal hierarchy being: 1st Store rain water for Later Use; 2nd Use infiltration techniques, such as porous surfaces in nonclay area; 3nd Attenuate rainwater in ponds or open water features for gradual release to a watercourse; 4th Attenuate rainwater by storing in tanks or sealed water features for gradual release to a watercourse; 5th Discharge rainwater direct to a watercourse; 6th Discharge rainwater to a surface water drain; 7th Discharge rainwater to the combined sewer.

You should be aware that in the public sewer system will be unable to accommodate any storm greater than a 1 in 20 year event. You should assume this level of storm when calculating the current discharge rate. Please ensure that storm flows are attenuated or regulated into the receiving public network through on or off site storage.

Only when it can be proven that soakage into the ground or a connection into the adjacent watercourse is not possible would we consider a restricted discharge into the public surface water sewer network. A reduction of at least 50% on existing flows from the same site area would be sought for a range of storm conditions.

Please Note

All connection requests are subject to a full Section 106 (Water Industry Act 1991) application before the Company can confirm approval to the connection itself. Please also note that capacity in the public sewerage system cannot be reserved.

The views expressed by Thames Water in this letter are in response to this pre development enquiry at this time and do not represent our final views on any future planning applications made in relation to this site.

Yours sincerely

Natalya Collins

Development Engineer

Deleur

Jessica Taylor Atkins Euston Tower 286 Euston Road London NW1 3AT

jessica.taylor@atkinsglobal.com

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