



APPENDIX E

KENT COUNTY COUNCIL CORRESPONDENCE

Mark Franklin

From: Joanne.Davies@kent.gov.uk
Sent: 20 April 2019 12:33
To: Mark Franklin
Cc: Andrew Burnley; Izabela Marks; Rio.Daniel@wates.co.uk;
Bronwyn.Buntine@kent.gov.uk; Kent.Highwaysdrainage@kent.gov.uk;
judith@judithashton.co.uk
Subject: RE: Enquiry 411414 - Appledore Road, Tenterden

Hi Mark

Apologises for the delay on this. I can confirm if the drain is carrying highway drainage and is not owned by SW then it can be assumed that it is a highway drain. However we will need evidence to support this. Once your client confirm they are happy to progress with the investigation works of this assumed highway drain then we can meet to go through the required investigation works (including root cutting) to first prove it is a highway drain and following this information we can then meet to go through the necessary remediation works which will be required to enable any connections.

Kind regards Jo

Joanne Davies | Asset Team Leader (Drainage Planned Works) | Highways Asset Management | Kent County Council | Ashford Highway Depot, 4 Javelin Way, Henwood, Ashford, Kent TN24 8AD | Phone: 03000 418181 | www.kent.gov.uk |  @kent_cc

KCC Highways, Transportation and Waste welcome feedback from our customers and we have designed our fault reporting tool so that you can quickly and easily let us know about any problems on the roads and footways or about any of our equipment such as streetlights that may not be working. You can do this by visiting:

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From: Mark Franklin <MFranklin@rsk.co.uk>
Sent: 14 March 2019 13:17
To: Davies, Joanne - GT HTW <Joanne.Davies@kent.gov.uk>
Cc: Andrew Burnley <ABurnley@rsk.co.uk>; Izabela Marks <IMarks@rsk.co.uk>; Daniel, Rio <Rio.Daniel@wates.co.uk>; Buntine, Bronwyn - GT EPE <Bronwyn.Buntine@kent.gov.uk>; Highways Drainage - GT <Kent.Highwaysdrainage@kent.gov.uk>; Judith Ashton <judith@judithashton.co.uk>
Subject: FW: Enquiry 411414 - Appledore Road, Tenterden

Hi Jo and thanks for your help earlier.

Below is the email that we received from your colleague Grace about the know KCC assets in the area of Appledore Road that we are looking at.

The attached PDF is the topo survey with the information from the CCTV overlaid. The length of surface water sewer shown in the dashed sky blue clouding is the sewer that we think must be a Highway Drain as it is the only surface water sewer in the vicinity. The connections from the gullies are unproven and there are none shown on the CCTV information we have, but this is incomplete due to root infestation and siltation. I am presuming that all of the KCC

gullies do not connect to the foul sewer so the only conclusion I can reach at this time is that they connect to this surface water sewer.

I have walked this area with Bronwyn and we seem to agree that any surface water overland flow from our site that reaches the footpath (which is set 500mm lower than the carriageway) discharges from the existing gully directly adjacent to SW0005. There is also a connection from our site just downstream from SW0004 which I suspect is from a ditch heading north – so most likely classified as land drainage.

As discussed, if this sewer is shown to be carrying highway drainage, then it will be classified as a Highway Drain. If it is carrying land drainage (and not highway drainage) then it will be classified as Land Drainage and be the responsibility of the land owner, which in this case is KCC as the Highway Authority and if it is carrying both land drainage and highway drainage it will be a KCC asset too. Could you confirm that this understanding is correct please?

I will need to agree with you exactly what additional survey works needs to be done to qualify the status of this sewer (ie cleaning, root cutting and confirming any gully connections) and I will speak to you about this once I have been through this with our Client.

In the meantime could I come down to you to go through this as well as the proposed scheme, and if possible to meet on site to look at this on the ground? I am happy to come down to you/site any day or time week commencing the 25th March. Failing that I am on site on the 4th April so could certainly do this date too.

I look forward to hearing from you and thanks again.

Regards
Mark

Mark Franklin
Director

RSK

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Registered number: 4723837

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Before printing think about your responsibility and commitment to the ENVIRONMENT!

From: Kent.Highwaysdrainage@kent.gov.uk <Kent.Highwaysdrainage@kent.gov.uk>
Sent: 14 February 2019 14:31
To: Andrew Burnley <ABurnley@rsk.co.uk>
Subject: RE: Enquiry 411414

Good afternoon Andrew,

I've attached the information I have on the system which provides an approximate plot of our drains.

I unfortunately have no other records other than the attached as the County Council are under no statutory obligation to hold records of the highway drainage infrastructure. The information that we do have is largely historic

and often incomplete. Where more recent surveys have been completed for the purpose of highway drainage investigations, renewals and improvements, the findings are routinely recorded in the form of a sketch map which does not necessarily include invert depths or an accurate scale. Whilst these records meet with our requirements as the Highway Authority, they should not be used to inform third party designs or decisions. If development is planned that may impact upon or be affected by the highway drainage system, we would always recommend that a full drainage survey is carried out to inform design and construction.

I hope this helps.

Kind Regards,

Grace Sladden | Drainage & Structures Technician | Highways Asset Management | Kent County Council |
Ashford Highway Depot, Javelin Way, Ashford, Kent, TN24 8AD | Tel: 03000 418181 www.kent.gov.uk |
 [@kenthighways](https://twitter.com/kenthighways)

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From: Andrew Burnley <ABurnley@rsk.co.uk>
Sent: 14 February 2019 10:58
To: Highways Drainage - GT <Kent.Highwaysdrainage@kent.gov.uk>
Subject: RE: Enquiry 411414

Morning Grace,

Thank you for getting back to me. According to our topographical survey there is a section of Surface Water sewer within Appledore Road; a colleague has tried contacting Bronwyn Buntine of the LLFA (see attached correspondence) but hasn't received a response. Do you have access to KCC's asset plans for the area? I have checked Southern Water's plans but the sewer isn't shown on them.

Kind Regards

Andrew Burnley
Infrastructure Engineer

From: Kent.Highwaysdrainage@kent.gov.uk <Kent.Highwaysdrainage@kent.gov.uk>
Sent: 13 February 2019 15:43
To: Andrew Burnley <ABurnley@rsk.co.uk>
Subject: Enquiry 411414

Dear Mr Burnley,

Thank you for your recent enquiry 411414 regarding Appledore Road. Kent County Council do not own any combined sewer systems that take highway surface water, I would recommend contacting Thames Water with your request, <https://www.thameswater.co.uk/>.

Kind regards,

Grace Sladden | Drainage & Structures Technician | Highways Asset Management | Kent County Council |
Ashford Highway Depot, Javelin Way, Ashford, Kent, TN24 8AD | Tel: 03000 418181 www.kent.gov.uk | 
[@kenthighways](https://twitter.com/kenthighways)

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[WARNING: This email originated outside of RSK. DO NOT CLICK links, attachments or respond unless you recognise the sender and know the content is safe]

Appledore Road, Tenterden - 133187

KCC Highway Drainage meeting 2019.6.16

Attendees:

KCC Drainage Jo Davies
RSK Mark Franklin

Apologies:

Item	Description	Action by	Date
1.0	Following on from previous correspondence MEF proceeded to outline the proposed development, with a specific focus on the area of the land adjacent to Appledore Road, to the east of the development site.		
2.0	<p>The status of the existing surface water sewer in Appledore Road was discussed and with regard to the status of the sewer, JD advised as follows:</p> <ol style="list-style-type: none"> 1. If road gully connections to the sewer can be proven and no connections from private areas, then sewer can be considered to be a Highway Drain. 2. If road gully and private roof connections can be proven, then the sewer will be a Southern Water public sewer. If this is the case, then confirmation will need to be obtained from Southern Water. 3. If no connections are proven, then its status is most likely to be a Land Drain and it will be the responsibility of the riparian owners. NOTE: - JD advised that although outside of their curtilage, the residents of Appledore Road will be the riparian owners. JD to email MEF guidance notes on this matter. 	JD	
3.0	<p>To qualify the status of this sewer it will be necessary to carry out the following actions:</p> <ol style="list-style-type: none"> 1. Review the CCTV for evidence of connections from road gullies and private areas. 2. Carry out cleaning and additional CCTV surveys of the road gully outlets to determine their direction of outfall and connection to nearest sewer. 3. Contact Bronwyn Buntine or Emma Burnett at KCC (LLFA) and request their comment on the possibility of the sewer being classified as land drainage. 	MEF Wates/RSK MEF	
4.0	<p>Depending on the scenarios outlined above, MEF asked what the options are with regard to the future adoptions of the proposed road. JD advised as follows:</p> <p>If 2.0.1 then new Section 38 sewer in proposed road, direct connection to existing sewer in Appledore Road.</p> <p>If 2.0.1 then new Section 104 sewer, direct connection to existing sewer in Appledore Road, Southern Water technical approval and consent to connect required.</p> <p>If 2.0.3 then (subject to stakeholders approval), new Section 104 sewer, direct connection to existing sewer in Appledore Road, Southern Water technical approval and consent to connect required. <u>Note:- the existing gully in the path must be shown to connect to this sewer.</u></p>		

5.0	<p>JD advised that the following options can be considered as alternatives to provide a surface water outfall from the site.</p> <p>Collect on-site highway drainage in a separate system and carry out works to replace the sewer in Appledore Road. The status of the on-site and off-site sewers would be a private sewerage and could be placed in the highway areas (both on-site and off-site) under a Section 50 licence.</p> <p>KCC would only adopt the on-site road gullies, and this would allow any future Section 38 submission and adoption to proceed.</p>		
6.0	<p>JD advised that KCC want the following design parameters implemented into any drainage designs and modelling works completed.</p> <ul style="list-style-type: none"> • Highway drainage discharge rates restricted to 2L/S/ha. • Surface water drainage to be modelled for all 100year +40% events. • KCC suggest that if possible a ditch to the side of the carriageway should be considered, to allow direct connections of road gullies. 		

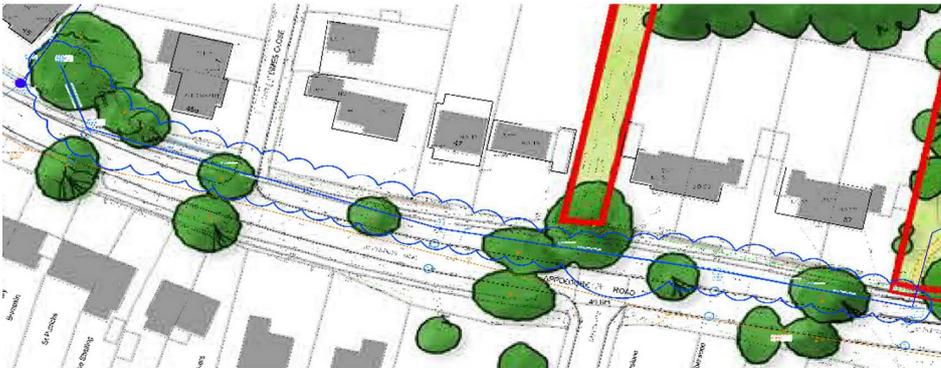
Appledore Road, Tenterden - 133187

KCC Land Drainage meeting on site 2019.7.12

Attendees:

KCC Drainage (LLFA) Alex Brauninger (AB)
 KCC Drainage (LLFA) Daniel Hoare (DH)
 RSK Mark Franklin (MEF)

Apologies:

Item	Description	Action by	Date
1.0	Following on from the recent meeting with Southern Water in relation to the status of the sewers in Appledore Road it was agreed that a further meeting on site with KCC acting as the LLFA would be beneficial to understand the surface water proposals for the scheme and to confirm that the strategic approach to the on-site drainage design was still correct.		
2.0	MEF, AB & DH walked the site starting from the Army Cadet Force building, heading west along Appledore Road and then returned and entered the site by the football pitch and headed west to inspect the existing surface water outfalls from the site.		
3.0	<p>The first length of pipe inspected is shown in the clouded area below, with Land drainage flowing east to west to the front of Nos. 57 to 45 Appledore Road:</p>  <p>It was agreed that any surface water run off from the football fields and grass meadow fields to the north, flows overland and collects in the low spot where a road gully is located in the footpath, to the eastern end of the area clouded. From here it flows west in a 300mm diameter pipe (culvert) that connects in turn to a 375mm diameter pipe within the curtilage of 45 Appledore Road.</p>		
3.1	<p>Although subject to final confirmation, it was agreed that the classification of this sewer is most likely to be Land Drainage. This classification may change if there is evidence that the road gullies in Appledore Road connect to this sewer, in which case the classification would change to KCC Highway Drainage.</p> <p>As the land drain is located within highway land, KCC will be the riparian owner of this land drain.</p>		

	<p>This sewer is not classified as public sewerage and is not the responsibility of Southern Water. As previously discussed and agreed with Bronwyn Buntine of the LLFA, it is possible (subject to detail design) to connect surface water from the proposed development in this location at flow rates that match greenfield runoff rates for the developable area discharging in this area.</p>		
<p>3.2</p>	<p>MEF advised that a CCTV survey of this culverted land drain has been carried out and flows through the pipe are restricted due to root infestation and siltation.</p> <p>AB advised that the reinstatement of this culverted land drain would be necessary to allow the development to connect to this drainage feature.</p> <p>MEF advised that our preference would be to carry out root cutting and cleaning in advance of any planning consent and the performance of this culverted land drain to be monitored in the interim and prior to any construction works commencing to ensure that the impact on the existing services and trees in Appledore Road are kept to a minimum.</p> <p>AB advised that if necessary the developer may have to fund the re-construction of this land drain.</p> <p>(Minute note: This equates to approximately 170m of 300mm diameter pipe, 5 No. Type C manholes, average depth 0.9m)</p>		
<p>4.0</p>	<p>The next area inspected is shown in the clouded area below, with Land Drainage flowing from the development site north to south, then heading south down Shrubcotes. The land drainage/public sewers discussed are shown in the clouded area below:</p>  <p>MEF confirmed that Southern Water are in the process of divesting all public surface water sewers from the development site in this area and as such all surface water outfalls from the development site either are or will be classified as Land Drainage.</p> <p>The condition of the existing public surface water sewer within the curtilage of 15 Appledore Road were discussed and it does seem that manhole SW1553 is located within the hedgerow, but has a large sapling growing out of it.</p> <p>MEF confirmed the Southern Water advice that no new land drainage connections could be made to the existing public sewers, but any connections to land drainage features (and pending land drainage features) are subject to agreement with the riparian land owners. In this case it will be either KCC or land under consideration by the Developer.</p>		

	As previously discussed and agreed with Bronwyn Buntine of the LLFA, it is possible (subject to detailed design) to connect surface water from the proposed development in this location at flow rates that match greenfield runoff rates for the developable area discharging in this area.		
4.1	MEF outlined to AB and DH comments received at the recent public consultation from residents in this area of Appledore Road, who had advised that they have experienced flooding on their rear gardens due to run off from the adjacent green fields to the north. MEF advised that we will be taking steps to intercept these flows prior to them reaching their northern boundaries and manage these greenfield run offs within the proposed on-site drainage systems to be constructed.		
5.0	The next area inspected is shown in the clouded area below, adjacent to the development site southern boundary, in the vicinity of the rear of No.6 Limes Close and 'Rose Cottage' (off Briar Court.  <p>Land drainage from the ordinary watercourses within the development area flows north to south and east to west, to converge on an existing manhole (circled). From here the land drainage is culverted in a 375mm diameter pipe and flows south, connecting to the public surface water sewerage network at manhole MH 2450.</p>		
5.1	MEF advised that this culverted land drain would remain, as would the current connections from the ordinary water courses to the north and east. As previously discussed and agreed with the LLFA, all on-site ordinary watercourses and ponds would be maintained as far as is practicable. Any crossing over the existing watercourses would be at locations where the impact on existing trees could be kept to a minimum and would be perpendicular to the ordinary watercourse.		
5.2	MEF advised that the central surface water catchment is the largest and that as previously discussed and agreed with Bronwyn Buntine of the LLFA, it is possible (subject to detail design) to connect surface water from the proposed development at flow rates that match greenfield runoff rates for the developable area discharging in this area.		
6.0	AB advised that KCC Highways may consider allowing connections from the development site to existing Highway Drainage (specifically to the eastern network if required), subject to agreeing a suitable contribution from the developer where appropriate.		

6.1	MEF confirmed the position and advice from Southern Water that any new proposed surface water connections from the development site to drainage features classified as Land Drainage, allows for a Section 104 application to be made and does not compromise the future, upstream adoption of new surface water sewers.		
6.2	AB confirmed that the principles previously discussed and agreed between RSK and the LLFA still apply, specifically that proposed surface water flows from the development site can connect to existing land drainage features with proposed flows to match existing at greenfield runoff rate, directly apportioned to the developable catchment area.		
6.3	MEF requested a copy of the composite drainage record plans that AB had acquired from the KCC GIS database.		



Mark Davies
Ashford Borough Council
Civic Centre
Tannery Lane
Ashford
Kent
TN23 1PL

Flood and Water Management

Invicta House
Maidstone
Kent
ME14 1XX

Website: www.kent.gov.uk/flooding
Email: suds@kent.gov.uk
Tel: 03000 41 41 41
Our Ref: ABC/2020/077160
Date: 5 February 2020

Application No: 19/01788/AS

Location: Land between Woodchurch Road and, Appledore Road, Tenterden, Kent

Proposal: a) Outline application for the development of up to 250 residential dwellings (40% affordable) including the creation of access points from Appledore Road (all modes) and Woodchurch Road (pedestrian and cycle only), and creation of a network of roads, footways, and cycleways through the site. Provision of open space including children's play areas, community orchards, sustainable urban drainage systems, landscape buffers and green links all on 12.35 ha of the site. (Matters for approval: Access) b) Full planning permission for the change of land use from agricultural land to land to be used as a country park (8.66 ha), and land to be used as formal sports pitches (3.33 ha), together with pavilion to serve the proposal and the surrounding area. Including accesses, ancillary parking, pathways, sustainable urban drainage systems and associated landscaping.

Thank you for your consultation on the above referenced planning application.

The planning application is supported by Flood Risk Assessment and Surface Water Drainage Strategy and a Sustainable Drainage System Management Strategy prepared by RSK (December 2019). Information has been presented which supports that the overall approach to surface water management will be dependent upon attenuation with controlled discharge to the existing drainage network/watercourses.

The site area is stated as 24.5ha and it is assumed that a total developable area of 6.6 ha across three outfall catchments, with 8.2ha comprising a country park. Proposed surface water peak flow discharge rates are tabulated on Drawing 133187-RSK-C-ALL-01-03-01 (23 August 2019) of the FRA.

The site does receive flows from off-site which traverse the site through the existing ditch system. These are noted but have not been quantitatively assessed.

Kent County Council as Lead Local Flood Authority have the following comments:

- a) The FRA includes a drawing Existing Overland Flow Routes and Catchment Area (Drawing 133187 C ALL 01 03 01) which states the developable area per catchment area with the proposed discharge rate and outfall location. This

demonstrates that the discharge rates are compliant with Ashford Borough Council discharge requirements based upon the developable areas stated.

- b) The development plan has taken consideration of the existing ditch and watercourse system which cross the site. The drawing which shows the drainage features (Drawing no 133187-C-ALL001-02-01_02) indicates that open space and setbacks appear to be provided appropriately for the watercourses; however these setbacks must be fully assessed at reserved matters when the layout is fully set.
- c) The drainage network will receive surface water flows from the adopted public system to the north of the site. This will need to be directed through the site. At later stages of design these flows will need to be accounted for within the channel design for the existing ditch system as well as development contribution.
- d) The report assesses the existing capacity and condition of the sewers in Appledore Road and that surface water sewers are impacted by root ingress. The FRA has proposed that the developer would carry out the necessary repair and pipe clearance works (page 21 of FRA).
- e) A detailed SuDS Management Strategy has been submitted which indicates that maintenance has been considered. The applicant has proposed to undertake works in Appledore Road to address the locations of root ingress. We appreciate that this addresses the existing issues which were identified by residents.
- f) We appreciate the detail assessment provided by the applicant with respect to the existing drainage networks and the integration of the development network into the existing watercourses. This approach has provided for a blue-green network which delivers multi-benefits beyond drainage provision alone.
- g) Given the strategic level of the information submitted at this stage of planning, it would be beneficial if greater detailed is provided for drainage matters when reserved matters for layout and landscape are considered. The layout arrangement proposed must enable easy access for maintenance purposes for any drainage measure, above or below ground. This can only be confirmed when greater details are available and needs to confirmed when the layout is reviewed. Similarly, it is important that landscape provisions are reviewed in the context of the drainage proposal.
- h) With many works proposed to integrate with the existing ordinary watercourses it is important to ensure that any culverts which may be required for access or highway cross-overs are compliant with Kent County Council requirements. We would refer the applicant to Kent County Council's published Land Drainage Policy which can be found on Kent County Council's web pages.
- i) The Flood Risk Assessment includes calculations for the three networks proposed. No drainage schematics have been submitted for the drainage networks and calculations have only been provided for the 1 in 100 year plus

climate change event. Detailed design will be required to demonstrate that the network operates appropriately for smaller rainfall events. We would refer the applicant to Kent County Council's published Drainage and Planning Policy which can be found on Kent County Council's web pages and describes operational requirements. We would also emphasize the importance of provision of a network schematic to accompany any calculations.

We would note that the recent flooding in Appledore Road may be reduced by implementation of the development. Construction of a development with a positive drainage system, attenuation and controlled discharge will provide a positive control on surface water flows from the greenfield site which contribute to accumulation of surface water in Appledore Road. The applicant has also proposed maintenance works on the sewer in Appledore Road which will also improve the capacity of the existing system.

If your authority is minded to approve this application, we would recommend the inclusion of the following conditions on any planning approval for this proposed development:

Condition 1:

No development shall take place until the details considered with respect to reserved matters condition for layout and landscape, shall demonstrate (and be approved in writing) that necessary surface water management infrastructure for the proposed development, is consistent with Flood Risk Assessment and Surface Water Drainage Strategy (RSK, December 2019) and which:

- a) can be accommodated within the proposed residential layout;
- b) provides appropriate spatial arrangements with integration of the drainage system to the existing ordinary watercourses and sufficient access for maintenance;
- c) identifies strategic drainage system measures or networks and phased delivery of any strategic drainage elements; and,
- d) promotes multi-function sustainable drainage measures.

Reason:

To ensure the development is served by satisfactory arrangements for the disposal of surface water and that they are incorporated into the proposed layouts.

Condition 2:

Development shall not begin in any phase until a detailed sustainable surface water drainage scheme for the phase has been submitted to (and approved in writing by) the local planning authority. The detailed drainage scheme shall be based upon the Flood Risk Assessment and Surface Water drainage Strategy (RSK, December 2019) and shall demonstrate that the surface water generated by this development (for all rainfall durations and intensities up to and including the climate change adjusted critical 100

year storm) can be accommodated and disposed of without increase to flood risk on or off-site.

The drainage scheme shall also demonstrate (with reference to published guidance):

- that silt and pollutants resulting from the site use can be adequately managed to ensure there is no pollution risk to receiving waters.
- appropriate operational, maintenance and access requirements for each drainage feature or SuDS component are adequately considered, including any proposed arrangements for future adoption by any public body or statutory undertaker.

The drainage scheme shall be implemented in accordance with the approved details.

Reason:

To ensure the development is served by satisfactory arrangements for the disposal of surface water and to ensure that the development does not exacerbate the risk of on/off site flooding. These details and accompanying calculations are required prior to the commencement of the development as they form an intrinsic part of the proposal, the approval of which cannot be disaggregated from the carrying out of the rest of the development.

Section 106

Drainage infrastructure provided to alleviate the risk of flooding on-site and off-site will be agreed as part of detailed matters submitted through the planning application process as discussed above. However, establishment and implementation of the drainage measures can be critical to ensuring that surface water can be managed through the phases of development for both conveyance through the site and discharge from the site. In addition to the conditions recommended above, we would therefore recommend that S106 terms be included to ensure that the drainage measures inherent in the landscape provision are established and maintained in accordance with agreed standards till such time as they are fully established or are transferred for adoption to the designated adopting authority.

Kent County Council would specifically recommend that consideration should be given to the following being secured through the Section 106 agreement:

- (a) Implementation of the Surface Water Strategy approved under the appropriate condition of planning permission;
- (b) Responsibilities of the management body (or authority), including keeping a maintenance record;
- (c) Repairing obligations;
- (d) Control over any future alterations to the drainage system; and,
- (e) Monitoring arrangements including payment of a monitoring sum to the LLFA for a limited time during construction and establishment.

The conditions and S106 terms recommended provide a means to ensure the adequacy of detailed design which will be confirmed with a fully developed housing layout, that implementation is undertaken as approved and to ensure that the system is established appropriately with an ongoing maintenance program.

Please note:

Any feature capable of conveying water can be considered to fall under the definition of an 'ordinary watercourse' and we would urge the applicant to contact us prior to undertaking any works that may affect any watercourse/ditch/stream or any other feature which has a drainage or water conveyance function. Any works that have the potential to affect the watercourse or ditch's ability to convey water will require our formal flood defence consent (including culvert removal, access culverts and outfall structures). Please contact flood@kent.gov.uk for further information.

This response has been provided using the best knowledge and information submitted as part of the planning application at the time of responding and is reliant on the accuracy of that information.

Yours faithfully,

Bronwyn Buntine

Sustainable Drainage Team Leader
Flood and Water Management



APPENDIX F ASHFORD BOROUGH COUNCIL CORRESPONDENCE

Mark Franklin

From: Martin Kempshall <martin.kempshall@ashford.gov.uk>
Sent: 26 March 2018 08:19
To: Mark Franklin
Cc: Adan Banga
Subject: RE: Appledore Road, Tenterden
Attachments: Flood-and-Drainage-Charging-schedule.pdf

Hi Mark,

Thank-you for the email, good to hear from you.

So as you are aware the process has changed a little bit in the last few years, however the general principles of what are required remain the same. Ultimately pre-applications for major schemes now go through KCC, they have a pre-application process you can go through. They do charge for this process, fees are attached. My understanding is that this typically consists of a meeting and then a summary of the meeting notes supplied by KCC afterwards setting out the points agreed, this obviously assists when the planning application comes through. Due to the above I only usually get involved pre-application when requested by the planning department, typically this occurs if a pre-application request has come directly through them.

Once the application is submitted KCC and I are consulted (Similar to before), our responses are generally well aligned and we do discuss these with one another so the messages should remain largely consistent. (As you may be aware) Whilst the ABC Sustainable Drainage SPD remains part of an active policy (CS20) some of the design requirements changed within the Non-statutory technical guidance, this has been taken a step further with the Kent Drainage and Planning Policy Statement (June 2017), factors to be considered using these 3 planning documents. With regards to the requirements for SuDS, the required type and use are much the same as before with developers being requested to provide green / open SuDS features and steer away from systems heavily reliant on tanks and pipes. Runoff rates remain as stated within the SPD but the design can now be to the 1:100+20%CC but should be tested at 1:100+40%CC (For the design for exceedance). KCC now expect all modelled data to be completed using the FEH dataset, or the FSR dataset adjusted to use a M5-60 of 26.25mm, as would be expected this can increase attenuation volume requirements (This is set out in the KCC Drainage and Planning Policy Statement).

They are probably the highlights, but certainly speak to Bronwyn first as they will be the best contact moving forward, they are a really good team (and very receptive) so they will be pleased you are contacting at a nice early stage!

Hopefully this is all clear, but please feel free to call should you wish to discuss any of the above.

Kind regards,

Martin

Martin Kempshall BSc (Hons.) MSc CEng MICE

Project Delivery Engineer
Corporate Property and Projects
Ashford Borough Council

Tel. 01233 330309

From: MFranklin@rsk.co.uk
Sent: 23 March 2018 16:27
To: Martin Kempshall
Cc: ABanga@rsk.co.uk
Subject: Appledore Road, Tenterden

Hi Martin, I trust that you are well.

We are involved with a site in Tenterden that is being promoted by Wates Group and we have been tasked with sorting out foul and surface water drainage strategies for the site to the satisfaction of the drainage stakeholders.

We have the ball rolling with Southern Water and have completed the Pre-development enquiry and I shall be contacting Bronwyn at KCC next but I wanted to sound you about a possible initial high level meeting to go over the design principles for the site. In line with best practice it will be a SuDS led scheme, but it would be very helpful if I could sit down with you for half an hour and go through what we are planning to do and level of information that we anticipate will be required for the planning submission. We can also discuss any charges that you department will have as the design/development of the project proceeds, so that I can advise our client accordingly.

If this possible please let me know a suitable date. I am happy to come down Wednesday of next week, or any date/time from WC 23.04.18 onwards.

Many thanks
Mark

Mark Franklin
Director

RSK
18 Frogmore Road, Hemel Hempstead, Hertfordshire, HP3 9RT, UK

Switchboard: +44 (0)1442 437500
Mobile: +44 (0)7917 425186
email: mfranklin@rsk.co.uk

<http://www.rsk.co.uk>

RSK Land & Development Engineering Ltd is registered in England at Spring Lodge, 172 Chester Road, Helsby, Cheshire, WA6 0AR, UK
Registered number: 4723837

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This e-mail, including any attachments, is intended for the named addressee(s) only and may contain marked material up to RESTRICTED and should be handled accordingly.

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APPENDIX G

SOUTHERN WATER CORRESPONDENCE



RSK
18
Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Your ref 133187
Our ref 284329
Date 09 March 2018
Contact searches@southernwater.co.uk
Tel 0845 272 0845
0330 303 0276
Fax 01634 844514

Attention: Jemma Cooling

Dear Customer

Re: Provision of public sewer record extract
Location: Land at Appledore Road, Tenterden, Kent TN30 7DR

Thank you for your order regarding the provision of extracts of our sewer and/or water main records. Please find enclosed the extracts from Southern Water's records for the above location.

We confirm payment of your fee in the sum of £49.92 and enclose a VAT receipt for your records.

Customers should be aware that there are areas within our region in which there are neither sewers nor water mains. Similarly, whilst the enclosed extract may indicate the approximate location of our apparatus in the area of interest, it should not be relied upon as showing that further infrastructure does not exist and may subsequently be found following site investigation. Actual positions of the disclosed (and any undisclosed) infrastructure should therefore be determined on site, because Southern Water does not accept any responsibility for inaccuracy or omission regarding the enclosed plan. Accordingly it should not be considered to be a definitive document.

Should you require any further assistance regarding this matter, please contact the LandSearch team.

Yours faithfully

LandSearch

Mark Franklin
RSK Land and Development
Engineering Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Developer Services
Southern Water
Sparrowgrove House
Sparrowgrove
Otterbourne
Hampshire
SO21 2SW

Tel: **0330 303 0119**

Email: developerservices@southernwater.co.uk

F.A.O: Mr. Franklin,

Your Ref:

Our Ref:

DS_CC_PDE-100628

Date:

12 April 2018

Site: Appledore Farm, Appledore Road, Tenterden, Kent, TN30 7DD.

We have completed the capacity check for the above development site and the results are as follows:-

Foul Capacity Check:

There is currently inadequate capacity within the foul sewerage network to accommodate a foul flow of 13 l/s at manhole reference TQ89331501. The proposed development would increase flows to the public sewerage system, and existing properties and land may be subject to a greater risk of flooding as a result. Additional off-site sewers, or improvements to existing sewers, will be required to provide sufficient capacity to service the development.

The nearest point where capacity is currently available is at Tenterden WTW which is located approximately 2.6 km West of the proposed development site.

Another option is to carry out off site reinforcement works in order to provide capacity for the proposed foul flow to be accommodated within the local sewerage system. The extent of the works required to provide capacity for the development site could be obtained via a Feasibility Study Application available at the following link:

<https://developerservices.southernwater.co.uk/CapacityCheck/FeasibilityStudy>

It should be noted as from the 1st April 2018 we are moving to the “New Connections Services Charging Arrangements”. We understand that moving to new arrangements presents uncertainty for customers, particularly where they may have already committed to a development based on previous charging arrangements. We have worked with our stakeholders and Water UK to agree a set of principles by which we will base our charges. Please read through our new charging arrangement documents which are now available to read our website via the following link:

<https://beta.southernwater.co.uk/infrastructure-charges>

Alternatively, new appointees and variations (NAVs), also known as ‘inset’ companies, can provide new connection services or take ownership of the new water and wastewater connection infrastructure provided for a new development. NAVs are appointed by Ofwat and replace the regional water company. It is for the developer to choose whether to use a NAV or the regional water company to supply services for new sites, according to certain legal criteria.

It should be noted that this information is only a hydraulic assessment of the existing sewerage network and does not grant approval for a connection to the public sewerage system. A formal S106 connection application is required to be completed and approved by Southern Water Services. Please see the link below:

[https://developerservices.southernwater.co.uk/ConnectiontoPublicSewer/Application Form](https://developerservices.southernwater.co.uk/ConnectiontoPublicSewer/ApplicationForm)

Surface Water Capacity Check:

There is currently inadequate capacity within the local surface network to accommodate a flow of 50 l/s at manhole reference TQ8933**2450** and TQ8933**1553**.

Surface water should be disposed of by alternative means such as,

- a. discharge the surface water into soakaways if effective at this location or to any local drainage water courses, subject to all interested parties approval.

Note: There are no surface water sewers with sufficient capacity in the vicinity of the development site.

Another option is to carry out off site reinforcement works in order to provide capacity for the proposed foul flow to be accommodated within the local sewerage system. The extent of the works required to provide capacity for the development site could be obtained via a Feasibility Study Application available at the following link:

<https://developerservices.southernwater.co.uk/CapacityCheck/FeasibilityStudy>

It should be noted as from the 1st April 2018 we are moving to the “New Connections Services Charging Arrangements”. We understand that moving to new arrangements presents uncertainty for customers, particularly where they may have already committed to a development based on previous charging arrangements.

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[https://developerservices.southernwater.co.uk/ConnectiontoPublicSewer/Application Form](https://developerservices.southernwater.co.uk/ConnectiontoPublicSewer/ApplicationForm)

Should you require any further information, please contact us at the above mentioned phone number or address.

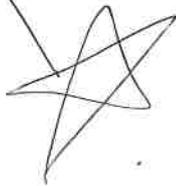
Yours faithfully,



Geoffrey Hall
Developer services

Please note: -

The information provided above does not grant approval for any designs/drawings submitted for the capacity analysis. The results quoted above are only valid for 12 months from the date of issue of this letter.



Appledore Road, Tenterden - 133187

Southern Water Service Drainage meeting 2019.6.28

Attendees:

Southern Water Services (SWS) Stuart Ward (SWd)
 Southern Water Services Dan Champion (DC)
 RSK Mark Franklin (MEF)

Item	Description	Action by	Date
1.0	<p>Introductions: Introductions made. SW advised that he is leaving his role and that Phillip Jones will be taking over from him.</p>		
2.0	<p>Site location and description: Site located to the east of Tenterden village centre. MEF gave a basic overview of current site under consideration. Topography and current site features outlined. Approximate areas of development discussed.</p>		
3.0	<p>Overview of the proposed development: MEF outlined the areas where new housing development is proposed, including the proposed highway connection routes into the development. The outline of the Country Park was described and the intention to keep these generally in their current form.</p>		
4.0	<p>Surface water drainage: The SWS sewer records in and around Appledore were inspected.</p> <p>SWd advised that SWS are in the process of reviewing the status of the existing public sewers in and around Appledore and he is of the opinion that the surface water drainage network from 13 Appledore Road will have it's status reversed from 'Public Sewerage' to 'Land drainage. SWd expects this review to be completed in the next couple of weeks and he will report the findings to RSK straight away.</p> <p>It is acknowledged that public surface water sewers discharge into the development site in the vicinity of 'Linford' in Woodchurch Lane and that they connect to land drainage features.</p> <p>The surface water sewers to the east of Appledore Road as well as the sewer passing through the rear gardens of properties in The Limes will be classified as Land Drainage.</p> <p>SWd advised that the general rules will apply to surface water flows from the development site:</p> <ul style="list-style-type: none"> • If surface water is shown to connect to a public surface water sewer in Appledore Road, the existing rates of flow can be maintained at the same point of connection. • SWS will not accept any new surface water flows from the development site into their existing surface water network in Appledore Road. • If surface water is shown to connect to land drainage features, then any connections and rates of flow will have to be agreed with the land owner at the point of connection and the Lead Local Flood Authority. Note: MEF confirmed that the principles of like-for-like discharge has been agreed with the LLFA. • If applicable, any new surface water connection to the public surface water network will require a Section 106 consent. • Any new surface water connection to an existing land drainage feature will not require consent from SWS. 		

	<ul style="list-style-type: none"> All new, on-site surface water sewers will be technically approved and adopted under a Section 104 agreement. The connection of new, on-site adoptable surface water drainage to land drainage systems would not compromise any Section 104 adoptions. <p>SWd advised that it will be necessary to confirm the existing points of connection from the development site to either the public sewerage system in Appledore Road or land drainage feature.</p>		
5.0	<p>Foul water drainage:</p> <p>The SWS sewer records in and around Appledore were inspected. MEF advised that there is thought to be a foul water outfall to the public foul sewers in Appledore Road from the Army Cadet Volunteer Force hut to the east of the development site.</p> <p>MEF outlined the current proposed points of connection to the existing public foul water sewers in Appledore Road. At this time there are two points of connection proposed – both in the general vicinity of the new site entrance roads.</p> <p>SWd advised that the proposed build out information that RSK issued to SWS in May 2019 has been issued to the SWS Growth Team and this information is included in the foul water infrastructure planning for the region. SWS have the proposed build out programme and if necessary will gear up to provide capacity if necessary once planning consent is awarded.</p> <p>Based on the maximum anticipated flows SWd advised that it would be necessary to connect to the nearest 225mm diameter foul water sewer in Appledore Road.</p> <p>SWd advised that there are several gateways to concluding the provision of foul capacity in the receiving public foul water sewers. The first trigger is planning consent, at which time SWS has +24 months to provide capacity.</p> <p>The cost of any foul water sewerage upgrade works will be met by SWS, with infrastructure charges applicable to the new residents.</p> <p>SWS will work with developers to provide foul capacity on a phased basis as necessary. If preferred the developer can fund or part fund these works to provide foul water capacity earlier.</p>		
6.0	<p>Planning submission and programme:</p> <p>MEF advised that Wates will be making a hybrid planning submission for the development of up to 250 units, country park, sports pitches and pavilion.</p> <p>It is the current intention to make the planning submission by the end of August 2019.</p>		
7.0	<p>Next steps and actions:</p> <p>SWd to issue information on the status of the public sewers in and around Appledore that may be subject to change.</p> <p>RSK to contact Bronwyn Buntine of the LLFA to discuss the status of the existing land drainage features and pipes in and around the development site.</p>		
8.0	<p>Project contacts:</p> <p>DW is still the point of contact for SWS for this project.</p> <p>SWd is moving to a new post and his role is being taken on by Phillip Jones.</p>		
9.0	<p>Any other business:</p> <p>MEF passed on the contact details for Lucy Dalton at Thames Water with reference to the TWU 'Ask the Expert' scheme that they currently run.</p>		



APPENDIX H CCTV SURVEY

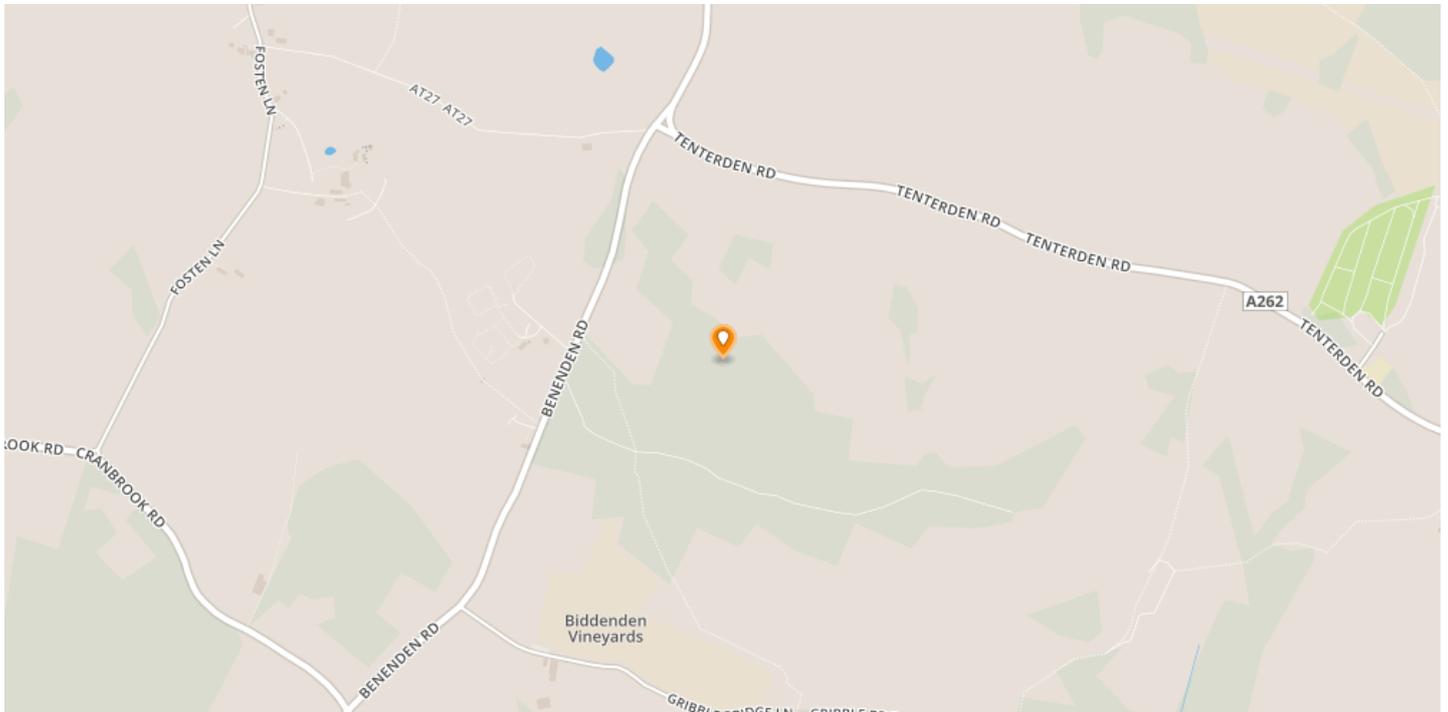


Work Export for Order No.: 90117057

This Visit

Client Ref Number:	Wates	
Engineer:	georgehowardflow@gmail.com	Activity Type: CCTV
Work Start:	10th September 2018 @ 06:31	«RedlineCapturedLabel» «RedlineCaptured»
Work Complete:	10th September 2018 @ 14:46	
Work Duration:	8 hours 14 minutes	
Date Uploaded:	Last Modified:	Last Modified By:
10th September 2018 @ 06:31	10th September 2018 @ 14:46	georgehowardflow@gmail.com

Location Work Start GPS: 51.101074,0.645625



Work Export for Order No.:

90117057

Work Activity Details

CCTV Surveys

Start Point	Finish Point	Length Surveyed (m)	Pipe Size (mm)	Debris Level	Comments
SW0005	SW0004	9.13	225	0-25%	Overlap complete
SW0005	SW0006	19.15	255	50-75%	Survey abandoned
SW0006	SW0005	11.71	225	25-50%	Survey abandoned
SW0006	SW0007	29.35	225	25-50%	Survey abandoned
SW0007	SW0006	26	225	50-75%	Survey abandoned
SW0007	SW0008	300	41.68	25-50%	Survey abandoned
SW0008	SW0007	14.59	300	25-50%	Survey abandoned
SW0008	SW000X	14.2	375	0-25%	No problems found
4401	5402	14.73	225	0-25%	Survey abandoned roots
4401	4402	32.65	225	25-50%	Survey abandoned roots
5402	4401	7.86	225	25-50%	Survey abandoned roots
4402	4401	19.34	225	25-50%	Overlap complete

Other Visits (1 more)

Site Arrival	Site Departure	Engineer	Activity	Visit Status
07/09/2018 @ 09:15:01	07/09/2018 @ 14:17:46	georgehowardflow@gmail.com	CCTV	Complete

Images (28)



Image No.: 1
 Captured: 07/09/2018 @ 10:58:22
 Uploaded: 07/09/2018 @ 10:58:24
 GPS Location: 51.068825,0.704259



Image No.: 2
 Captured: 07/09/2018 @ 11:07:16
 Uploaded: 07/09/2018 @ 11:07:19
 GPS Location: 51.06891,0.703909



Image No.: 3
 Captured: 07/09/2018 @ 11:18:31
 Uploaded: 07/09/2018 @ 11:18:33
 GPS Location: 51.06889,0.704195



Image No.: 4
 Captured: 07/09/2018 @ 11:27:08
 Uploaded: 07/09/2018 @ 11:27:10
 GPS Location: 51.06889,0.704195

Work Export for Order No.:

90117057



Image No.: 5
Captured: 07/09/2018 @ 11:41:53
Uploaded: 07/09/2018 @ 11:41:55
GPS Location: 51.06888,0.704074



Image No.: 6
Captured: 07/09/2018 @ 12:10:28
Uploaded: 07/09/2018 @ 12:10:30
GPS Location: 51.06888,0.704074



Image No.: 7
Captured: 07/09/2018 @ 13:00:05
Uploaded: 07/09/2018 @ 13:00:12
GPS Location: 51.06845,0.705229



Image No.: 8
Captured: 07/09/2018 @ 13:31:12
Uploaded: 07/09/2018 @ 13:31:16
GPS Location: 51.068596,0.704662



Image No.: 9
Captured: 10/09/2018 @ 08:48:59
Uploaded: 10/09/2018 @ 08:49:04
GPS Location: 51.069153,0.702418



Image No.: 10
Captured: 10/09/2018 @ 08:49:08
Uploaded: 10/09/2018 @ 08:49:12
GPS Location: 51.069153,0.702418



Image No.: 11
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GPS Location: 51.069035,0.702471



Image No.: 12
Captured: 10/09/2018 @ 09:08:25
Uploaded: 10/09/2018 @ 09:08:28
GPS Location: 51.06925,0.702009



Image No.: 13
Captured: 10/09/2018 @ 09:10:43
Uploaded: 10/09/2018 @ 09:10:47
GPS Location: 51.06916,0.701938



Image No.: 14
Captured: 10/09/2018 @ 09:28:07
Uploaded: 10/09/2018 @ 09:28:10
GPS Location: 51.06916,0.701938



Image No.: 15
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Image No.: 16
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Work Export for Order No.:

90117057



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Image No.: 23
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Image No.: 24
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Image No.: 25
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Image No.: 26
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Image No.: 27
Captured: 10/09/2018 @ 12:00:19
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GPS Location: 51.06885,0.70332



Image No.: 28
Captured: 10/09/2018 @ 12:20:39
Uploaded: 10/09/2018 @ 12:20:42
GPS Location: 51.06885,0.70332

Risk Assessments (4)



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Work Export for Order No.:

90117057

Start Time	Assessment Type	Engineer
07th Sep 2018 @ 10:15	Personal Risk Assessment	mattheadflow@gmail.com
07th Sep 2018 @ 10:15	Risk Assessment	georgehowardflow@gmail.com
10th Sep 2018 @ 06:31	Personal Risk Assessment	mattheadflow@gmail.com
10th Sep 2018 @ 06:31	Risk Assessment	georgehowardflow@gmail.com

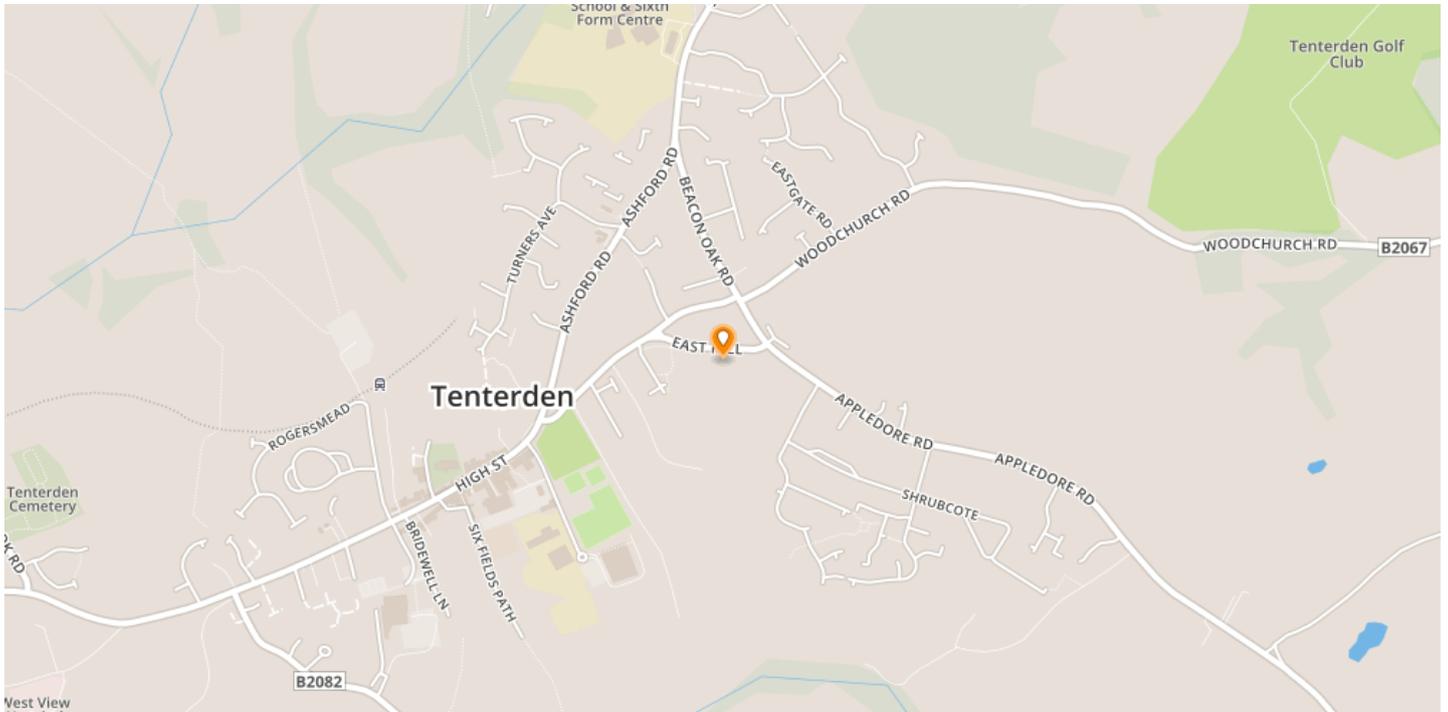


Work Export for Order No.: 90117057

This Visit

Client Ref Number:	Wates	
Engineer:	georgehowardflow@gmail.com	Activity Type: CCTV
Work Start:	07th September 2018 @ 10:15	«RedlineCapturedLabel» «RedlineCaptured»
Work Complete:	07th September 2018 @ 15:17	
Work Duration:	5 hours 3 minutes	
Date Uploaded:	Last Modified:	Last Modified By:
07th September 2018 @ 10:15	07th September 2018 @ 15:17	georgehowardflow@gmail.com

Location Work Start GPS: 51.070763,0.695419



Work Export for Order No.:

90117057

Work Activity Details

CCTV Surveys

Start Point	Finish Point	Length Surveyed (m)	Pipe Size (mm)	Debris Level	Comments
SW0003	SW0002	34.74	225	50-75%	Sa due to debris
SW0003	SW0004	60.5	225	25-50%	Complete debris through out
SW0004	SW0005	40.72	225	0-25%	Sa loss of traction
SW0001	SW0002	1.7	225	25-50%	Sa pipe broken unable to pass
SW0002	SW0001	28.73	225	25-50%	Sa unable to pass debris
SW0002	SW0003	18.35	225	50-75%	Sa due to heavy debris

Other Visits (1 more)

Site Arrival	Site Departure	Engineer	Activity	Visit Status
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Images (28)



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GPS Location: 51.06916,0.701938



Image No.: 15
Captured: 10/09/2018 @ 09:30:10
Uploaded: 10/09/2018 @ 09:30:14
GPS Location: 51.06926,0.701235



Image No.: 16
Captured: 10/09/2018 @ 09:31:59
Uploaded: 10/09/2018 @ 09:32:05
GPS Location: 51.06926,0.701235

Work Export for Order No.:

90117057



Image No.: 17
Captured: 10/09/2018 @ 09:50:53
Uploaded: 10/09/2018 @ 09:50:56
GPS Location: 51.06926,0.701235



Image No.: 18
Captured: 10/09/2018 @ 09:53:20
Uploaded: 10/09/2018 @ 09:53:23
GPS Location: 51.069427,0.700325



Image No.: 19
Captured: 10/09/2018 @ 10:01:39
Uploaded: 10/09/2018 @ 10:01:43
GPS Location: 51.069427,0.700325



Image No.: 20
Captured: 10/09/2018 @ 10:10:53
Uploaded: 10/09/2018 @ 10:10:57
GPS Location: 51.069427,0.700325



Image No.: 21
Captured: 10/09/2018 @ 11:02:45
Uploaded: 10/09/2018 @ 11:02:47
GPS Location: 51.06905,0.702643



Image No.: 22
Captured: 10/09/2018 @ 11:05:21
Uploaded: 10/09/2018 @ 11:05:23
GPS Location: 51.06898,0.702629



Image No.: 23
Captured: 10/09/2018 @ 11:12:49
Uploaded: 10/09/2018 @ 11:12:51
GPS Location: 51.06896,0.702542



Image No.: 24
Captured: 10/09/2018 @ 11:30:13
Uploaded: 10/09/2018 @ 11:30:15
GPS Location: 51.06896,0.702542



Image No.: 25
Captured: 10/09/2018 @ 11:52:58
Uploaded: 10/09/2018 @ 11:53:01
GPS Location: 51.06896,0.702542



Image No.: 26
Captured: 10/09/2018 @ 11:53:04
Uploaded: 10/09/2018 @ 11:53:06
GPS Location: 51.06885,0.70332



Image No.: 27
Captured: 10/09/2018 @ 12:00:19
Uploaded: 10/09/2018 @ 12:00:21
GPS Location: 51.06885,0.70332



Image No.: 28
Captured: 10/09/2018 @ 12:20:39
Uploaded: 10/09/2018 @ 12:20:42
GPS Location: 51.06885,0.70332

Risk Assessments (4)



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Work Export for Order No.:

90117057

Start Time	Assessment Type	Engineer
07th Sep 2018 @ 10:15	Personal Risk Assessment	mattheadflow@gmail.com
07th Sep 2018 @ 10:15	Risk Assessment	georgehowardflow@gmail.com
10th Sep 2018 @ 06:31	Personal Risk Assessment	mattheadflow@gmail.com
10th Sep 2018 @ 06:31	Risk Assessment	georgehowardflow@gmail.com

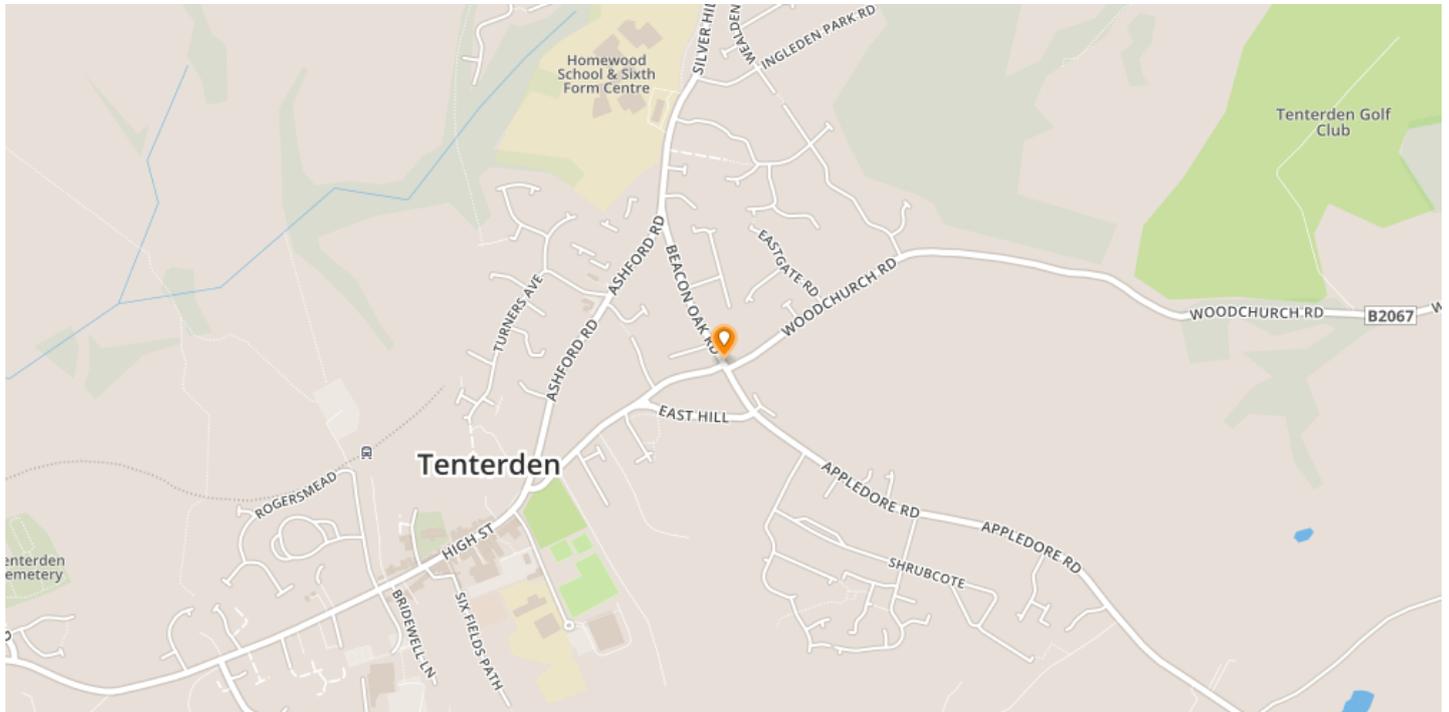


Work Export for Order No.: 90117057

This Visit

Client Ref Number:	Wates		
Engineer:	georgehowardflow@gmail.com	Activity Type:	CCTV
Work Start:	11th September 2018 @ 06:34	«RedlineCapturedLabel»	«RedlineCaptured»
Work Complete:	11th September 2018 @ 15:04		
Work Duration:	8 hours 29 minutes		
Date Uploaded:	11th September 2018 @ 06:34	Last Modified:	11th September 2018 @ 15:04
		Last Modified By:	georgehowardflow@gmail.com

Location Work Start GPS: 51.072067,0.695818



Work Export for Order No.:

90117057

Work Activity Details

CCTV Surveys

Start Point	Finish Point	Length Surveyed (m)	Pipe Size (mm)	Debris Level	Comments
FW2401	FW4402	80.88	225	0-25%	Survey abandoned roots
FW2401	FW2401A	60.92	225	0-25%	Survey abandoned encrustation
SW2450	SW2552	9.44	225	0-25%	Survey abandoned stone
SW2450	UNKNOWN	19.63	225	0-25%	Survey stopped at un named mh
SW2450	245X	5.28	375	25-50%	Survey abandoned intruding connection
SW2552	SW2551	0.56	225	0-25%	Survey abandoned stone
FW2401A	FW2401	85.91	225	0-25%	Overlap complete
2401A	1501	11.69	225	0-25%	No problems found
SW245X1	SW245X	12.36	300	0-25%	No problems found
SW065A	SW245X	21.85	225	0-25%	No problems found
065A	065B	0.2	255	50-75%	Survey abandoned roots

Other Visits (2 more)

Site Arrival	Site Departure	Engineer	Activity	Visit Status
07/09/2018 @ 09:15:01	07/09/2018 @ 14:17:46	georgehowardflow@gmail.com	CCTV	Complete
10/09/2018 @ 05:31:37	10/09/2018 @ 13:46:00	georgehowardflow@gmail.com	CCTV	Complete

Images (51)



Image No.: 1
 Captured: 07/09/2018 @ 10:58:22
 Uploaded: 07/09/2018 @ 10:58:24
 GPS Location: 51.068825,0.704259



Image No.: 2
 Captured: 07/09/2018 @ 11:07:16
 Uploaded: 07/09/2018 @ 11:07:19
 GPS Location: 51.06891,0.703909



Image No.: 3
 Captured: 07/09/2018 @ 11:18:31
 Uploaded: 07/09/2018 @ 11:18:33
 GPS Location: 51.06889,0.704195



Image No.: 4
 Captured: 07/09/2018 @ 11:27:08
 Uploaded: 07/09/2018 @ 11:27:10
 GPS Location: 51.06889,0.704195

Work Export for Order No.:

90117057



Image No.: 5
Captured: 07/09/2018 @ 11:41:53
Uploaded: 07/09/2018 @ 11:41:55
GPS Location: 51.06888,0.704074



Image No.: 6
Captured: 07/09/2018 @ 12:10:28
Uploaded: 07/09/2018 @ 12:10:30
GPS Location: 51.06888,0.704074



Image No.: 7
Captured: 07/09/2018 @ 13:00:05
Uploaded: 07/09/2018 @ 13:00:12
GPS Location: 51.06845,0.705229



Image No.: 8
Captured: 07/09/2018 @ 13:31:12
Uploaded: 07/09/2018 @ 13:31:16
GPS Location: 51.068596,0.704662



Image No.: 9
Captured: 10/09/2018 @ 08:48:59
Uploaded: 10/09/2018 @ 08:49:04
GPS Location: 51.069153,0.702418



Image No.: 10
Captured: 10/09/2018 @ 08:49:08
Uploaded: 10/09/2018 @ 08:49:12
GPS Location: 51.069153,0.702418



Image No.: 11
Captured: 10/09/2018 @ 09:04:44
Uploaded: 10/09/2018 @ 09:04:48
GPS Location: 51.069035,0.702471



Image No.: 12
Captured: 10/09/2018 @ 09:08:25
Uploaded: 10/09/2018 @ 09:08:28
GPS Location: 51.06925,0.702009



Image No.: 13
Captured: 10/09/2018 @ 09:10:43
Uploaded: 10/09/2018 @ 09:10:47
GPS Location: 51.06916,0.701938



Image No.: 14
Captured: 10/09/2018 @ 09:28:07
Uploaded: 10/09/2018 @ 09:28:10
GPS Location: 51.06916,0.701938



Image No.: 15
Captured: 10/09/2018 @ 09:30:10
Uploaded: 10/09/2018 @ 09:30:14
GPS Location: 51.06926,0.701235



Image No.: 16
Captured: 10/09/2018 @ 09:31:59
Uploaded: 10/09/2018 @ 09:32:05
GPS Location: 51.06926,0.701235

Work Export for Order No.:

90117057



Image No.: 17
Captured: 10/09/2018 @ 09:50:53
Uploaded: 10/09/2018 @ 09:50:56
GPS Location: 51.06926,0.701235



Image No.: 18
Captured: 10/09/2018 @ 09:53:20
Uploaded: 10/09/2018 @ 09:53:23
GPS Location: 51.069427,0.700325



Image No.: 19
Captured: 10/09/2018 @ 10:01:39
Uploaded: 10/09/2018 @ 10:01:43
GPS Location: 51.069427,0.700325



Image No.: 20
Captured: 10/09/2018 @ 10:10:53
Uploaded: 10/09/2018 @ 10:10:57
GPS Location: 51.069427,0.700325



Image No.: 21
Captured: 10/09/2018 @ 11:02:45
Uploaded: 10/09/2018 @ 11:02:47
GPS Location: 51.06905,0.702643



Image No.: 22
Captured: 10/09/2018 @ 11:05:21
Uploaded: 10/09/2018 @ 11:05:23
GPS Location: 51.06898,0.702629



Image No.: 23
Captured: 10/09/2018 @ 11:12:49
Uploaded: 10/09/2018 @ 11:12:51
GPS Location: 51.06896,0.702542



Image No.: 24
Captured: 10/09/2018 @ 11:30:13
Uploaded: 10/09/2018 @ 11:30:15
GPS Location: 51.06896,0.702542



Image No.: 25
Captured: 10/09/2018 @ 11:52:58
Uploaded: 10/09/2018 @ 11:53:01
GPS Location: 51.06896,0.702542



Image No.: 26
Captured: 10/09/2018 @ 11:53:04
Uploaded: 10/09/2018 @ 11:53:06
GPS Location: 51.06885,0.70332



Image No.: 27
Captured: 10/09/2018 @ 12:00:19
Uploaded: 10/09/2018 @ 12:00:21
GPS Location: 51.06885,0.70332



Image No.: 28
Captured: 10/09/2018 @ 12:20:39
Uploaded: 10/09/2018 @ 12:20:42
GPS Location: 51.06885,0.70332

Work Export for Order No.:

90117057



Image No.: 29
Captured: 11/09/2018 @ 08:22:01
Uploaded: 11/09/2018 @ 08:22:34
GPS Location: 51.069355,0.700111

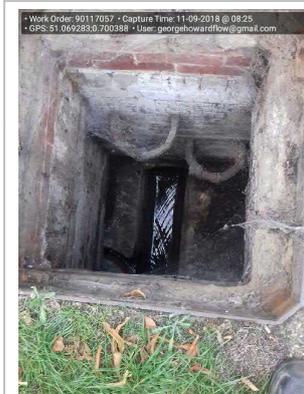


Image No.: 30
Captured: 11/09/2018 @ 08:25:53
Uploaded: 11/09/2018 @ 08:25:55
GPS Location: 51.069283,0.700388



Image No.: 31
Captured: 11/09/2018 @ 08:28:05
Uploaded: 11/09/2018 @ 08:29:09
GPS Location: 51.069443,0.700188



Image No.: 32
Captured: 11/09/2018 @ 09:13:23
Uploaded: 11/09/2018 @ 09:13:37
GPS Location: 51.069447,0.700166



Image No.: 33
Captured: 11/09/2018 @ 09:13:30
Uploaded: 11/09/2018 @ 09:14:04
GPS Location: 51.069447,0.700166



Image No.: 34
Captured: 11/09/2018 @ 09:24:56
Uploaded: 11/09/2018 @ 09:25:01
GPS Location: 51.069527,0.700278



Image No.: 35
Captured: 11/09/2018 @ 10:02:54
Uploaded: 11/09/2018 @ 10:04:26
GPS Location: 51.069683,0.700202



Image No.: 36
Captured: 11/09/2018 @ 10:03:18
Uploaded: 11/09/2018 @ 10:04:31
GPS Location: 51.06967,0.699821



Image No.: 37
Captured: 11/09/2018 @ 10:12:31
Uploaded: 11/09/2018 @ 10:12:34
GPS Location: 51.06992,0.699347



Image No.: 38
Captured: 11/09/2018 @ 10:14:19
Uploaded: 11/09/2018 @ 10:14:23
GPS Location: 51.069878,0.69924



Image No.: 39
Captured: 11/09/2018 @ 11:49:51
Uploaded: 11/09/2018 @ 11:49:53
GPS Location: 51.070354,0.69832



Image No.: 40
Captured: 11/09/2018 @ 11:49:59
Uploaded: 11/09/2018 @ 11:50:00
GPS Location: 51.07023,0.698484

Work Export for Order No.:

90117057



Image No.: 41
Captured: 11/09/2018 @ 11:50:49
Uploaded: 11/09/2018 @ 11:50:51
GPS Location: 51.070045,0.698855



Image No.: 42
Captured: 11/09/2018 @ 12:03:51
Uploaded: 11/09/2018 @ 12:03:53
GPS Location: 51.070248,0.698571



Image No.: 43
Captured: 11/09/2018 @ 12:20:54
Uploaded: 11/09/2018 @ 12:20:56
GPS Location: 51.0702,0.698292



Image No.: 44
Captured: 11/09/2018 @ 12:24:32
Uploaded: 11/09/2018 @ 12:24:34
GPS Location: 51.0702,0.698292



Image No.: 45
Captured: 11/09/2018 @ 12:29:37
Uploaded: 11/09/2018 @ 12:29:38
GPS Location: 51.0702,0.698292



Image No.: 46
Captured: 11/09/2018 @ 12:37:08
Uploaded: 11/09/2018 @ 12:37:09
GPS Location: 51.070263,0.698354



Image No.: 47
Captured: 11/09/2018 @ 13:00:58
Uploaded: 11/09/2018 @ 13:01:00
GPS Location: 51.070263,0.698354



Image No.: 48
Captured: 11/09/2018 @ 13:11:06
Uploaded: 11/09/2018 @ 13:14:24
GPS Location: 51.07028,0.697992



Image No.: 49
Captured: 11/09/2018 @ 13:12:25
Uploaded: 11/09/2018 @ 13:18:46
GPS Location: 51.07028,0.697992



Image No.: 50
Captured: 11/09/2018 @ 13:39:43
Uploaded: 12/09/2018 @ 12:11:59
GPS Location: 51.070503,0.697697



Image No.: 51
Captured: 11/09/2018 @ 13:49:42
Uploaded: 12/09/2018 @ 12:11:58
GPS Location: 51.070908,0.696978

Risk Assessments (6)



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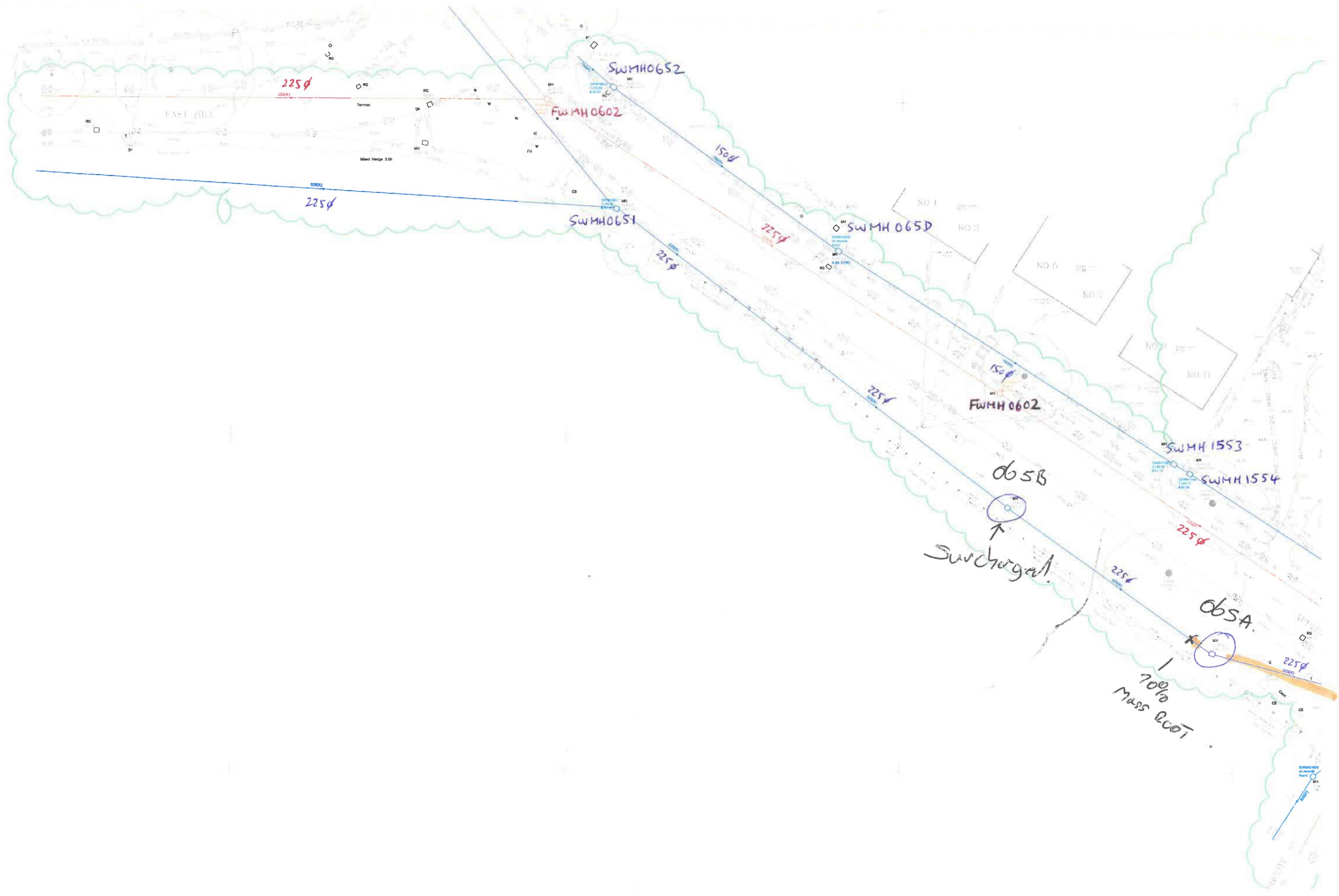
Work Export for Order No.:

90117057

Start Time	Assessment Type	Engineer
07th Sep 2018 @ 10:15	Personal Risk Assessment	mattheadflow@gmail.com
07th Sep 2018 @ 10:15	Risk Assessment	georgehowardflow@gmail.com
10th Sep 2018 @ 06:31	Personal Risk Assessment	mattheadflow@gmail.com
10th Sep 2018 @ 06:31	Risk Assessment	georgehowardflow@gmail.com
11th Sep 2018 @ 06:34	Personal Risk Assessment	mattheadflow@gmail.com
11th Sep 2018 @ 06:34	Risk Assessment	georgehowardflow@gmail.com

~~90117057~~

90117057





Unable to locate

Details of run to be confirmed by CCTV
Access to property limited

Unable to list
FWHH2401A

Unable to list

Details of run to be confirmed by C

100 SA
ENCUSTATION

Signal
15506

FWHH1501
SWMH2450
SWMH2451
SWMH2452
SWMH2453
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SWMH2495
SWMH2496
SWMH2497
SWMH2498
SWMH2499
SWMH2500

UTL

SHRUBCOTE

MARNE COURT

MARNE HOUSE

ROSE COTTAGE

NO. 13
NO. 15

NO. 17
NO. 19

NO. 21
NO. 23

NO. 25
NO. 27

NO. 29
NO. 31

NO. 33
NO. 35

NO. 37
NO. 39

NO. 45

APPLEDORE ROAD

APPLEDORE ROAD

MARNE COURT





VEY STATION CO-ORDINATE SCHEDULE

STATION	EASTING	NORTHING	LEVEL	DESCRIPTION
309428	130427	130427	89.105	SURVEY NAIL
309479	130469	130469	89.115	SURVEY NAIL
309520	130465	130465	89.081	SURVEY NAIL
309542	130481	130481	89.045	SURVEY NAIL
309598	130496	130496	89.020	SURVEY NAIL