

## Salt, Roseanne

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**From:**  
**Sent:** 26 August 2016 18:25  
**To:** Salt, Roseanne  
**Subject:** RE: EXT || FW: National Grid Proposed - Substation at Chilling

Hi Rosie

Just a quick update on the planned surveys for next week. I have spoken to all concerned and they are content. The surveys are planned to take 31<sup>st</sup> August – 1<sup>st</sup> September.

If you become aware of any problems please do not hesitate to contact me.

Many thanks

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**From:** Salt, Roseanne [mailto:Roseanne.Salt@hants.gov.uk]  
**Sent:** 22 August 2016 14:25  
**To:**  
**Subject:** RE: EXI || FW: National Grid Proposed - Substation at Chilling

Excellent – thanks

Kind regards

Rosie

**Rosie Salt MRICS FAAV**  
Rural Estates Surveyor  
Hampshire County Council  
Tel: 01962 846586 Mob: 07834123161  
Email: [Roseanne.Salt@hants.gov.uk](mailto:Roseanne.Salt@hants.gov.uk)  
[www.hants.gov.uk/propertyservices](http://www.hants.gov.uk/propertyservices)

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## Salt, Roseanne

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**From:** Salt, Roseanne  
**Sent:** 25 August 2016 16:12  
**To:**  
**Cc:**  
**Subject:** RE: EXT || Borehole Removal

Dear

Thank you for your emails.

I have no objection to the boreholes being de-commissioned as suggested (I think this is perhaps a better term to use rather than 'removed' if some materials are to remain underground). I am happy for you to proceed on this basis due to the justifications that have been given which claim it is less intrusive, able to be carried out effectively and the works are able to be completed within a shorter time frame than a full removal of all apparatus/infrastructure. All of this means that the drilling of the next crop will not be delayed and no are likely to be affected.

Assuming that clients have no objections, please continue with the de-commissioning works as described in the below email string.

Needless to say, please ensure that all works are carried out as safely as possible, having due regard to the high number of public access routes near to the area where contractors will be working.

Kind regards

Rosie

**Rosie Salt MRICS FAAV**  
Rural Estates Surveyor  
Hampshire County Council  
Tel: 01962 846586 Mob: 07834123161  
Email: [Roseanne.Salt@hants.gov.uk](mailto:Roseanne.Salt@hants.gov.uk)  
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**From:**  
**Sent:** 25 August 2016 15:04  
**To:**  
**Cc:**  
**Subject:** RE: EXT || Borehole Removal

Rosie,

Further to email below.

## Salt, Roseanne

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**From:**  
**Sent:** 25 August 2016 15:04  
**To:**  
**Cc:**  
**Subject:** RE: EXT || Borehole Removal  
**Attachments:** 51829-05\_Figure 5.pdf

Rosie,

Further to [redacted] email below.

Please note that the site investigation scope of work completed was notably less than that shown on the 'IFA2 – Chilling Licence Plan' [redacted] attached to her email. The trial pits shown were not undertaken, just the drilling of the 3 boreholes. I've attached a plan from our consultants which confirms the locations of the boreholes.

Any questions please don't hesitate to call.

Regards

---

**From:**  
**Sent:** 25 August 2016 14:48  
**To:** Salt, Roseanne (Roseanne.Salt@hants.gov.uk)  
**Cc:**  
**Subject:** EXT || Borehole Removal

Rosie,

Following our earlier call, please find some information below from [redacted] at National Grid (NG). [redacted] has outlined the intended method of removal, If you could please review and get back to me with confirmation that you are happy with the proposal.

I also attach a copy of the licence entered into with the occupier [redacted] and the plan which highlights the borehole location. As discussed, I have also sent this information to [redacted] / through [redacted] Agent,

Please be aware that [redacted] are hoping to remove the boreholes next week, which would be before the field is planted with the Winter OSR crop.

In January 2016 three boreholes were drilled within the agricultural field at Chilling. The boreholes were drilled to a maximum depth of 30 m. Following drilling, the boreholes were installed as groundwater monitoring wells. This comprised the insertion of 50 mm diameter pipe into the borehole with the surrounding annulus being backfilled. With the spring barley having now been harvested the intention is to return to site to decommission the boreholes.

Having consulted industry guidance, Advisian has provided a working methodology for decommissioning the boreholes. This is summarised below:

1. Remove all surface 'well-head' material, i.e. the concrete chamber and well cover;
2. Hand excavate to 1.3 m below ground level (bgl) and cut off the pipework to a minimum of 1.2 m bgl. Note that pipework will remain beyond this depth;
3. Pump a grout mix into the borehole. Note that any groundwater displaced via the infilling with grout will be allowed to soak away into the ground;
4. Once the borehole has been filled a 0.3 m thick concrete cap will cover the top of the borehole, i.e. from 1.3 m bgl to 1.0 m bgl. The concrete cap will be approximately 0.3 x 0.3m square.
5. From 1.0 m bgl to surface the pit will be infilled with subsoil and topsoil. The ground surface will be graded to match in with existing.

The top 1m of the soil profile will therefore be an obstruction-free zone. It is believed this will exceed anticipated ploughing and sowing depths.

The proposed methodology achieves the desired objectives, such that:

- The boreholes are infilled and therefore don't present an open hole hazard;
- The use of grout to infill the borehole will serve to prevent the borehole acting as a conduit for surface infiltration, including for example fertiliser, to migrate to underlying groundwater bearing geology;
- The use of grout will serve to prevent the mixing of groundwater from different geological units;
- A 1 m clearance depth will allow unobstructed ploughing; and,
- The ground surface and therefore the vista across the field will be returned to the pre-works condition.

It is noted that clause 6 within the licence agreement, dated 22 December 2015 between [redacted] and National Grid Interconnector Holdings Ltd states, *'On completion of the Investigations.....the Licensee agrees as soon as reasonably practicable to remove all materials, plant and equipment from the Property and make good the Property as near as reasonably practicable to the state and condition of the Property at the commencement of the licence to the reasonable satisfaction of the Licensor'*.

With reference to the proposed Advisian methodology it is acknowledged that equipment, comprising 50 mm vertical pipe with concrete caps, will remain at the property from a depth of 1.0 m to up to c.30 m. When considering an alternative methodology whereby the pipework is fully removed, the following should be noted:

- The proposed methodology requires minimal plant and equipment (3 vehicles with only 1 accessing the working area) and is anticipated to be completed within 2-3 days. To remove the pipework it would be necessary to re-mobilise the drill rigs and JCB and attempt to drill-out the pipework. There is no guarantee this would be successful with the anticipated programme being 1.5-2 weeks.
- The extended programme associated with full pipework removal may impact upon the sowing of the next crop.
- We have been advised that [redacted] may start to return to the south coast from mid-September onwards.

We have been advised by Advisian that they and their contractor have availability to undertake the decommissioning works next week (31<sup>st</sup> August & 1<sup>st</sup> Sept). Being able to work to these timescales will avoid disruption to the sowing of the next crop whilst avoiding potential ecological impacts associated with [redacted]

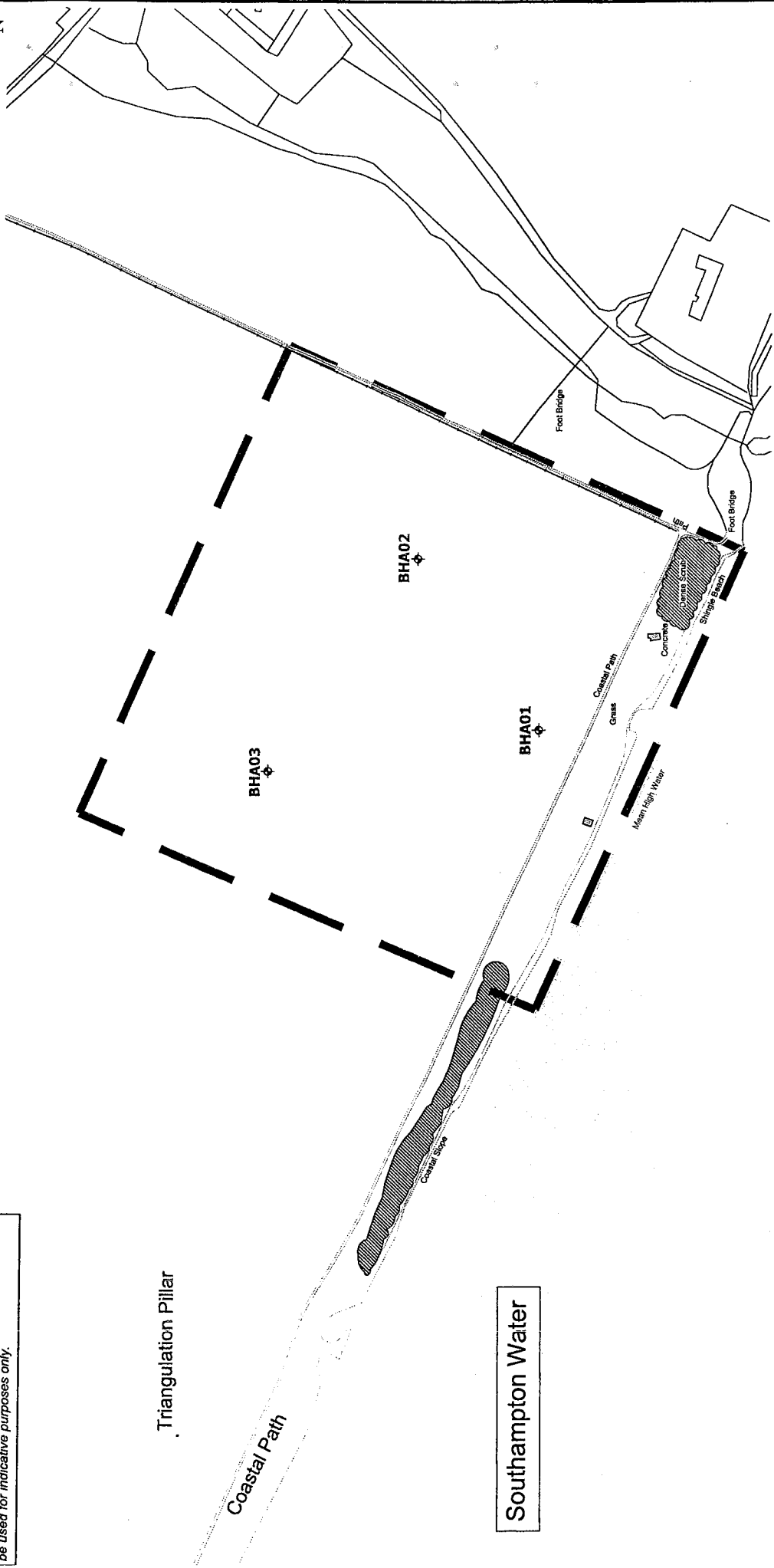
Should the above methodology be acceptable, noting that vertical pipework will remain from depths of 1.0 m to up to c. 30 m, please confirm this in writing.

Should you have any questions please do not hesitate to contact us.

As discussed, I will be out of the office tomorrow and for the next week or so, please respond to [redacted]


[redacted] is also copied into this email, if you have any direct queries relating to the removal.

**Note:** Locations shown are overlaid from relevant historical maps, site plans and reports (see report text for details). All locations shown are approximate and are to be used for indicative purposes only.



- Legend**
- Chilling HDD study area
  - Current structures
  - Overgrown vegetation
- Site Investigation Locations (2016)**
- Borehole

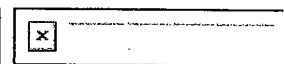
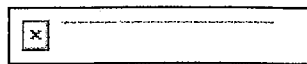
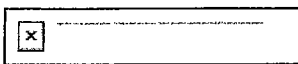
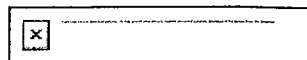
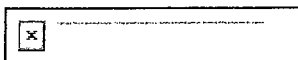
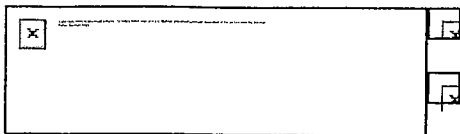
**Approximate Site Centre:** (451595, 103560)  
**Drawing References:**  
 Baseplan detail from Promap OS plan (July 2015)  
 Ordnance Survey, (c) Crown Copyright 2015. All rights reserved. Licence number: 100022432

PROJECT: 51829-05 IFA 2 - CHILLING HORIZONTAL DIRECTIONAL DRILLING STUDY AREA				NATIONAL GRID PROPERTY HOLDINGS LIMITED			
EXPLORARY HOLE LOCATION PLAN				 <b>Advisian</b> WorleyParsons Group			
DRAWN BY PM	STATUS DRAFT	APPROVER	PAPER SIZE A3	DATE MAR 2016	SCALE 1:2000	OFFICE LEEDS	REV
				T +44 (0)117 825 1304 www.advisian.com			
				FIGURE 5			

NOTES: THIS PROPERTY OF THIS DRAWING AND DESIGN IS VESTED IN WORK/PERSONS AND MUST NOT BE COPIED OR REPRODUCED IN ANY WAY WITHOUT THEIR WRITTEN CONSENT

Kind regards

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**Attachments:**

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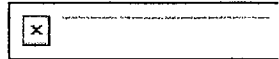
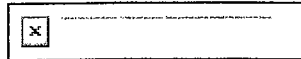
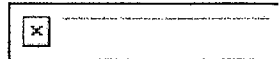
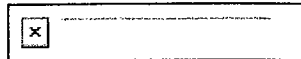
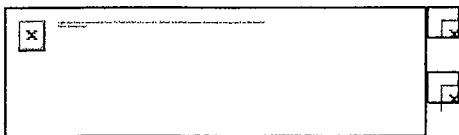
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