

**From:** [REDACTED]  
**To:** [M25 Junction 28](#)  
**Subject:** FW: EXT || NOTIFICATION: Cadent and National Grid Plant Enquiry Response - Your Ref: TR010029 (KS)  
Our Ref: NL\_GE4A\_3NWP\_027573  
**Date:** 01 April 2021 08:50:12  
**Attachments:** [image001.png](#)  
[NATIONAL\\_GRID\\_NL\\_GE4A\\_3NWP\\_027573\\_1\\_10508.pdf](#)  
[Gas No Objection 2 01-04-2021 08-42-39 NL\\_GE4A\\_3NWP\\_027573.pdf](#)

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Planning Inspectorate,

Our engineer has reviewed this enquiry and has issued a No Objection with condition. Following confirmation that the works involve planning 100mm from the existing carriageway and resurfacing, we are happy to issue a No Objection on the condition that vibration over the pipeline is monitored and a site visit is carried out with a member of the National Grid Operations team prior to works commencing. Three previous No Objections have been offered to this project which remain true.

Kind Regards  
Jackie Webb

Technical Assistant  
Gas Operations  
Nationalgrid



National Grid House, B2, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA



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**From:** Cadent EAGLES System [REDACTED]  
**Sent:** 15 January 2021 15:59  
**To:** .box.assetprotection <assetprotection@nationalgrid.com>  
**Subject:** EXT || NOTIFICATION: Cadent and National Grid Plant Enquiry Response - Your Ref: TR010029 (KS) Our Ref: NL\_GE4A\_3NWP\_027573

**NOTIFICATION: Formal Planning Application - Ref: NL\_GE4A\_3NWP\_027573; Your Ref: TR010029 (KS)**

This is a notification about an enquiry received by the Plant Protection team on 13/01/2021.

**Reason for Notification:**

This Notification has been triggered by proposed imminent activities which may require Asset Protection Consultation. See below for details.

**Details:**

Formal Planning Application Requiring Asset Protection Consultation (NTS Affected)

\*\*\*\*\*  
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For the registered information on the UK operating companies within the National Grid group please use the attached link: <https://www.nationalgrid.com/group/about-us/corporate-registrations>

Planning Inspectorate  
The Planning Inspectorate  
3/25 Hawk Wing  
Temple Quay House  
2 The Square  
Bristol  
BS1 6PN

**National Gas Emergency Number:**  
0800 111 999\*

**National Grid Electricity Emergency Number:**  
0800 40 40 90\*

\* Available 24 hours, 7 days/week.  
Calls may be recorded and monitored.

[www.cadentgas.com](http://www.cadentgas.com)

**Date:** 15/01/2021

**Our Ref:** NL\_GE4A\_3NWP\_027573

**Your Ref:** TR010029 (KS)

**RE: Formal Planning Application, CM14 5ND M25, The Poplars, Brentwood, Essex**

Thank you for your enquiry which was received on 13/01/2021.

Please note this response and any attached map(s) are valid for 28 days.

An assessment has been carried out with respect to Cadent Gas Limited, National Grid Electricity Transmission plc's and National Grid Gas Transmission plc's apparatus. Please note it does not cover the items listed in the section "Your Responsibilities and Obligations", including gas service pipes and related apparatus.

For details of Network areas please see the Cadent website (<http://cadentgas.com/Digging-safely/Dial-before-you-dig>) or the enclosed documentation.

### **Are My Works Affected?**

**Searches based on your enquiry have identified that there is apparatus in the vicinity of your enquiry which may be affected by the activities specified.**

**Can you please inform Plant Protection, as soon as possible, the decision your authority is likely to make regarding this application.**

If the application is refused for any other reason than the presence of apparatus, we will not take any further action.

Please let us know whether Plant Protection can provide you with technical or other information that may be of assistance to you in the determination of the application.

**As your proposed activity is in close proximity to National Grid's Transmission assets we have referred your enquiry/consultation to our Asset Protection team for further detailed assessment. We request that you do not commence work or take further action with regards to your proposal until you hear from us. We will endeavour to contact you within 21 days from the date of this response. Please contact us at [assetprotection@nationalgrid.com](mailto:assetprotection@nationalgrid.com) if you have not had a response within this time frame.**

Due to the presence of Cadent and/or National Grid apparatus in proximity to the specified area, the contractor should contact Plant Protection before any works are carried out to ensure the apparatus is not affected by any of the proposed works.

## Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your scheduled activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near Cadent and/or National Grid's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to Cadent Gas Limited, National Grid Electricity Transmission plc (NGET) and National Grid Gas Transmission plc (NGGT) and apparatus. This assessment does **NOT** include:

- | Cadent and/or National Grid's legal interest (easements or wayleaves) in the land which restricts activity in proximity to Cadent and/or National Grid's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact Plant Protection.
- | Gas service pipes and related apparatus
- | Recently installed apparatus
- | Apparatus owned by other organisations, e.g. other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on either the [National Grid](#) or [Cadent](#) website.

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to Cadent and/or National Grid's easements or wayleaves nor any planning or building regulations applications.

Cadent Gas Limited, NGGT and NGET or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the Plant Protection team via e-mail ([click here](#)) or via the contact details at the top of this response.

Yours faithfully

Plant Protection Team

# ASSESSMENT

## Affected Apparatus

The apparatus that has been identified as being in the vicinity of your proposed works is:

- | National Gas Transmission Pipelines and associated equipment
- | High or Intermediate pressure (above 2 bar) Gas Pipelines and associated equipment
- | Low or Medium pressure (below 2 bar) gas pipes and associated equipment. (As a result it is highly likely that there are gas services and associated apparatus in the vicinity)
- | Electricity Transmission overhead lines
- | Above ground electricity sites and installations

As your proposal is in proximity to apparatus, we have referred your enquiry / consultation to the following department(s) for further assessment:

- | Land and Development Asset Protection Team (High Pressure Gas Transmission and Electricity Transmission Apparatus)
- | Cadent Pipelines Team

**We request that you take no further action with regards to your proposal until you hear from the above. We will contact you within 28 working days from the date of this response. Please contact us if you have not had a response within this timeframe.**

## Requirements

**BEFORE carrying out any work you must:**

- | **Ensure that no works are undertaken in the vicinity of our gas pipelines and that no heavy plant, machinery or vehicles cross the route of the pipeline until detailed consultation has taken place.**
- | Carefully read these requirements including the attached guidance documents and maps showing the location of apparatus.
- | Contact the landowner and ensure any proposed works in private land do not infringe Cadent and/or National Grid's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- | Ensure that all persons, including direct labour and contractors, working for you on or near Cadent and/or National Grid's apparatus follow the requirements of the HSE Guidance Notes HSG47 - 'Avoiding Danger from Underground Services' and GS6 – 'Avoidance of danger from overhead electric power lines'. This guidance can be downloaded free of charge at <http://www.hse.gov.uk>
- | In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

# GUIDANCE

## **High Pressure Gas Pipelines Guidance:**

If working in the vicinity of a high pressure gas pipeline the following document must be followed: 'Specification for Safe Working in the Vicinity of Cadent and/or National Grid High Pressure Gas Pipelines and Associated Installations - Requirements for Third Parties' (SSW22). This can be obtained from: <http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=33968>

## **National High Pressure Gas Pipelines Guidance:**

<http://www.nationalgrid.com/NR/rdonlyres/9934F173-04D0-48C4-BE4D-82294822D29C/51893/Above7barGasGuidance.pdf>

## **Dial Before You Dig Pipelines Guidance:**

<http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=33969>

## **Working Near National Grid Electricity Transmission equipment:**

If you are carrying out any work in proximity to an overhead line or any excavation that may be near an underground cable then please consult National Grid Technical Guidance Note 287 that can be found at [https://www.nationalgrid.com/sites/default/files/documents/8589935533-TGN%20287\\_Third%20party%20guidance%20for%20working%20near%20NGET%20equipment.pdf](https://www.nationalgrid.com/sites/default/files/documents/8589935533-TGN%20287_Third%20party%20guidance%20for%20working%20near%20NGET%20equipment.pdf) Further guidance related to underground cables can also be found at <https://www.nationalgrid.com/sites/default/files/documents/8589936512-Excavating%20Safety%20Leaflet%20Electricity.pdf>

## **Excavating Safely - Avoiding injury when working near gas pipes:**

[http://www.nationalgrid.com/NR/rdonlyres/2D2EEA97-B213-459C-9A26-18361C6E0B0D/25249/Digsafe\\_leaflet3e2finalamends061207.pdf](http://www.nationalgrid.com/NR/rdonlyres/2D2EEA97-B213-459C-9A26-18361C6E0B0D/25249/Digsafe_leaflet3e2finalamends061207.pdf)

## Standard Guidance

### **Essential Guidance document:**

<http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=8589934982>

### **General Guidance document:**

<http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=35103>

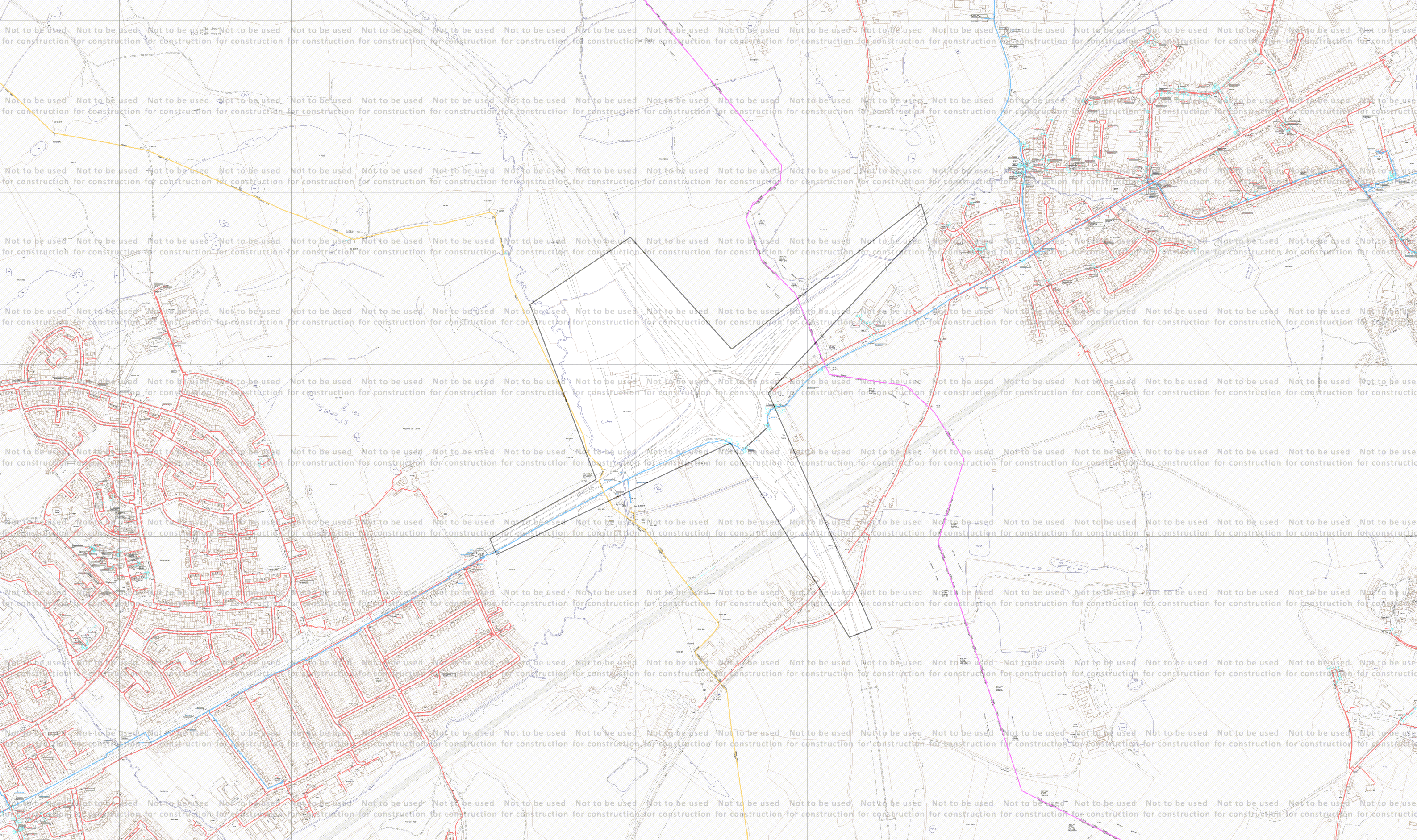
### **Excavating Safely in the vicinity of gas pipes guidance (Credit card):**






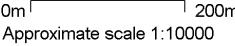

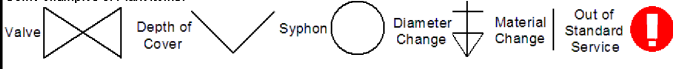
<http://www.nationalgrid.com/NR/rdonlyres/A3D37677-6641-476C-9DDA-E89949052829/44257/ExcavatingSafelyCreditCard.pdf>

### **Excavating Safely in the vicinity of electricity cables guidance (Credit card):**

<http://www.nationalgrid.com/NR/rdonlyres/35DDEC6D-D754-4BA5-AF3C-D607D05A25C2/44858/ExcavatingSafelyCreditCardelectricitycables.pdf>

Copies of all the Guidance Documents can also be downloaded from the [National Grid](#) and [Cadent](#) websites.



ID: NL_GE4A_3NWP_027573		View extent: 4120m, 2440m		<b>Do not proceed without further consultation</b>		Map 1 of 2 (GAS)			
USER: Kauther.Sheikh		LP MAINS  MP MAINS  IP MAINS  LHP MAINS  NHP MAINS 		<p>This plan shows those pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc., are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.</p>		MAPS Plot Server Version 1.11.0			
DATE: 15/01/2021		 Approximate scale 1:10000 on A3 Colour Landscape				 <b>Your Gas Network</b>			
DATA DATE: 14/01/2021								Requested by: The Planning Inspectorate	
REF: TR010029 (KS)								This plan is reproduced from or based on the OS map by Cadent Gas Limited, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Ordnance Survey Licence number 100024886	
MAP REF: TQ5692									
CENTRE: 556713, 192338									



ID: NL\_GE4A\_3NWP\_027573 View extent: 4120m, 2440m

**USER:** Kauther.Sheikh

**DATE:** 15/01/2021

**DATA DATE:** 14/08/2020

**REF:** TR010029 (KS)

**MAP REF:** TQ5692

**CENTRE:** 556713, 192338

0m 200m

Approximate scale 1:10000  
on A3 Colour Landscape

**Do not proceed without further consultation**

This plan shows those cables owned by National Grid Electricity Transmission plc in its role as a Licensed Electricity Transporter (ET). Electricity cables owned by other ETs, or otherwise privately owned, may be present in this area. Information with regard to such cables should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Ancillary equipment such as cooling systems and communication cables are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Electricity Transmission plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of cables and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near electricity apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Map 2 of 2 (ELECTRIC)

MAPS Plot Server Version 1.11.0



Requested by: The Planning Inspectorate

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# ENQUIRY SUMMARY

## Received Date

13/01/2021

## Your Reference

TR010029 (KS)

## Location

Centre Point: 556713, 192338

X Extent: 1275

Y Extent: 1263

Postcode: CM14 5ND

Location Description: CM14 5ND M25, The Poplars, Brentwood, Essex

## Map Options

Paper Size: A3

Orientation: LANDSCAPE

Requested Scale: 10000

Actual Scale: 1:10000 (GAS), 1:10000 (ELECTRIC)

Real World Extents: 4120m x 2440m (GAS), 4120m x 2440m (ELECTRIC)

## Recipients

pprsteam@cadentgas.com

## Enquirer Details

Organisation Name: The Planning Inspectorate

Contact Name: Planning Inspectorate

Email Address: M25Junction28@planninginspectorate.gov.uk

Telephone: 03034445000

Address: 3/25 Hawk Wing, Temple Quay House, 2 The Square, Bristol, BS1 6PN

## Description of Works

Junction Improvements - The scheme involves the provision of a new two lane loop road between the M25 anticlockwise and the A12 eastbound carriageway

## Enquiry Type

Formal Planning Application

## Development Types

Development Type: Development for use by General Public

Planning Inspectorate  
The Planning Inspectorate  
3/25 Hawk Wing, Temple Quay House, 2 The Square, Bristol, BS1 6PN

Jackie Webb  
Asset Protection Assistant  
Compliance & Integrity  
Gas Transmission  
National Grid  
Warwick  
Direct Tel: [REDACTED]  
[REDACTED]

### Planning Work?

Contact us on 0800 688 588\*

Mon-Fri 8am-4pm

(\*Calls may be recorded and monitored)

E-mail: [Plantprotection@cadentgas.com](mailto:Plantprotection@cadentgas.com)

Electricity Emergency Number:

0800 40 40 90\*

National Gas Emergency Number:

0800 111 999\*

\*Available 24 hours, 7 days/week.

Calls may be recorded and monitored.

[www.nationalgrid.com](http://www.nationalgrid.com)

Date : 4/1/2021

Our Reference: NL\_GE4A\_3NWP\_027573

Your Reference: TR010029 (KS)

Dear Planning Inspectorate/The Planning Inspectorate

**Ref: CM14 5ND M25, The Poplars, Brentwood, Essex**

National Grid has No Objection to the above proposal which is in close proximity to a High-Pressure Gas Pipeline – Feeder.

I have enclosed a location map to show the location of National Grid high-pressure gas pipeline(s) within the vicinity of your proposal and associated information below.

Our engineer has reviewed this enquiry and has issued a No Objection with condition. Following confirmation that the works involve planning 100mm from the existing carriageway and resurfacing, we are happy to issue a No Objection on the condition that vibration over the pipeline is monitored and a site visit is carried out with a member of the National Grid Operations team prior to works commencing. Three previous No Objections have been offered to this project which remain true.

Yours sincerely

Jackie Webb

Asset Protection Assistant

## **EAGLES (Electricity And Gas Location Enquiry System)**

Is now available to use simply click on the link to register [www.beforeyoudig.nationalgrid.com](http://www.beforeyoudig.nationalgrid.com), submit details of your proposed works and receive instant guidance and if appropriate maps showing the location of National Grid gas and electric apparatus.

### **PLEASE READ CAREFULLY**

- No buildings should encroach within the Easement strip of the pipeline indicated above
- No demolition shall be allowed within 150 metres of a pipeline without an assessment of the vibration levels at the pipeline. Expert advice may need to be sought which can be arranged through National Grid.
- National Grid has a Deed of Easement for each pipeline which prevents change to existing ground levels, storage of materials. It also prevents the erection of permanent / temporary buildings, or structures. If necessary National grid will take action to legally enforce the terms of the easement.
- We would draw your attention to the Planning (Hazardous Substances) Regulations 1992, the Land Use Planning rules and PADHI (Planning Advise for Developments near Hazardous Installations) guidance published by the HSE, which may affect this development.
  
- To view the PADHI Document, please use the link below:  
<http://www.hse.gov.uk/landuseplanning/padhi.pdf>
  
- You should be aware of the Health and Safety Executives guidance document HS(G) 47 "Avoiding Danger from Underground Services", and National Grid's specification for Safe Working in the Vicinity of National Grid High Pressure gas pipelines and associated installations - requirements for third parties T/SP/SSW22. You should already have received a link to download a copy of T/SP/SSW/22, from our Plant protection Team, which is also available to download from our website.
  
- To view the SSW22 Document, please use the link below:  
<http://www2.nationalgrid.com/WorkArea/DownloadAsset.aspx?id=33968>
  
- A National Grid representative will be monitoring the works to comply with SSW22.
  
- To download a copy of the HSE Guidance HS(G)47, please use the following link:  
<http://www.hse.gov.uk/pubns/books/hsg47.htm>
  
- National Grid will also need to ensure that our pipelines access is maintained during and after construction.
  
- Our pipelines are normally buried to a depth cover of 1.1 metres however; actual depth and position must be confirmed on site by trial hole investigation under the supervision of a National Grid representative. Ground cover above our pipelines should not be reduced or increased.
  
- If any excavations are planned within 3 metres of National Grid High Pressure Pipeline or, within 10 metres of an AGI (Above Ground Installation), or if any embankment or dredging works are proposed then the actual position and depth of the pipeline must be established on site in the presence of a National Grid representative. A safe working method must be agreed prior to any work taking place in order to minimise the risk of damage and ensure the final depth of cover does not affect the integrity of the pipeline.
  
- Excavation works may take place unsupervised no closer than 3 metres from the pipeline once the actual depth and position has been confirmed on site under the supervision of a National

Grid representative. Similarly, excavation with hand held power tools is not permitted within 1.5 metres from our apparatus and the work is undertaken with NG supervision and guidance.

### **Pipeline Crossings**

- Where existing roads cannot be used, construction traffic should ONLY cross the pipeline at locations agreed with a National Grid engineer.
- All crossing points will be fenced on both sides with a post and wire fence and with the fence returned along the easement for a distance of 6 metres.
- The pipeline shall be protected, at the crossing points, by temporary rafts constructed at ground level. No protective measures including the installation of concrete slab protection shall be installed over or near to the National Grid pipeline without the prior permission of National Grid. National Grid will need to agree the material, the dimensions and method of installation of the proposed protective measure. The method of installation shall be confirmed through the submission of a formal written method statement from the contractor to National Grid.
- Please be aware that written permission from National Grid is required before any works commence within the National Grid easement strip.
- A National Grid representative shall monitor any works within close proximity to the pipeline to comply with National Grid specification T/SP/SSW22.
- A Deed of Indemnity is required for any crossing of the easement including cables

### **Cables Crossing**

- Cables may cross the pipeline at perpendicular angle to the pipeline i.e. 90 degrees.
- A National Grid representative shall supervise any cable crossing of a pipeline.
- An impact protection slab should be laid between the cable and pipeline if the cable crossing is above the pipeline.
- Where a new service is to cross over the pipeline a clearance distance of 0.6 metres between the crown of the pipeline and underside of the service should be maintained. If this cannot be achieved the service must cross below the pipeline with a clearance distance of 0.6 metres.

### **All work should be carried out in accordance with British Standards policy**

- BS EN 13509:2003 - Cathodic protection measurement techniques
- BS EN 12954:2001 - Cathodic protection of buried or immersed metallic structures – General principles and application for pipelines
- BS 7361 Part 1 - Cathodic Protection Code of Practice for land and marine applications
- National Grid Management Procedures

