

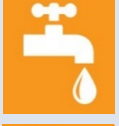







Utilities Report

Utility Type

	Electricity	AFFECTED
	Gas	AFFECTED
	Water and Sewerage	AFFECTED
	Telecoms	AFFECTED
	Other	AFFECTED

Report Information

	Works Description: Legal Conveyancing
	This is Batch A - Responses Enclosed
	Awaiting Further Responses

This report is issued for the site described as:

Land at Beaconsfield Close, Chiswick

Report Reference:

216475736_1

National Grid Reference:

520070,178070

Customer Reference:

LM / 79185

Report Date:

27 September 2019

CONTACT DETAILS

If you require any assistance please contact our customer services team on:

0844 844 9966

or by email at:

helpdesk@landmark.co.uk

Utilities Report



Understanding This Report

We have asked a comprehensive list of Utility companies whether they have any apparatus or underground services in the vicinity of the site.

Location Map

This shows the plan that was dispatched to the Utility companies. The companies have been asked to return information on the area outlined, which will encompass your chosen site.

Request Status Report

This will confirm the current status of the information requests. We list which responses we have received and whether the company is affected. The Status Report will be divided into the following sections.

Affected Utilities - We have received plans/information

No response received - We are still awaiting a full response

Not affected utilities - We have received a not affected/no plant present response

Responses

Affected responses are listed by company.

Any responses from companies confirming they are not affected are provided at the back of the report for your records.



'Awaiting Further Responses' or 'Pack Complete'?

We do not include Local Authority requests when indicating if the pack is 'Complete' or 'Awaiting Further Responses' as Local Authorities are not obliged to reply to these enquiries.

The local authority for the area is contacted to see if they have any council owned property that may be affected by works. In general, these plant enquiries go to the highways department for responses regarding street lighting and drainage. However, the responses we receive can vary each time depending on resources available at the council and we often don't receive replies from local authorities at all.

Response Times

We endeavour to obtain as much of the information as possible within the timescale of this report. Unfortunately, there are occasions when the response times of the utility companies mean we do not receive all information within the chosen timescale.

In these scenarios we will send all the information that is available as a first report. When we receive any remaining responses, the report will be re-issued in full incorporating the new information. This will continue until the report is complete. The front page of the report will confirm the batch (e.g. A, B or C) and whether responses are outstanding.

Terms and Conditions

Full Terms and Conditions can be found on the following link: <http://www.landmarkinfo.co.uk/Terms/Show/515>

Please note that Utility reports have a validity of 3 months from the date of purchase.

If you experience difficulties accessing our Terms and Conditions, please copy and paste the link directly into your browser, you will then be able to access our Terms and Conditions from there. Should you still experience difficulties, please telephone our Customer Service Team on 0844 844 9966.

Next Steps:

For any queries regarding the report content, or help with the report, contact your Landmark Customer Services team.

Utilities Report



Landmark Utilities Report Service PAS 128 Statement

Prepared for: **Landmark Information Group Ltd**

Practitioner: Atkins

Order Number: 79185

Site Name: Land at Beaconsfield Close, Chiswick

Date of Order: 02 September 2019

Date of Issue: 27 September 2019

Thank you for using our Utility Report Service.

This report has been completed in accordance with the standards defined under Survey Category D of PAS128, a Publicly Available Specification for underground utility detection, verification and location published by the British Standards Institution.

Positional accuracy of plant is not guaranteed from information presented in a desktop search alone and the location of underground utilities should be verified through other means prior to breaking ground.

Information relating to the presence of Radio Frequency Identification Devices (RFIDs) has been requested from relevant utility companies or taken from mapping systems where available.

Utility companies who have not responded to enquiries are referenced on the enclosed Status Report accordingly. Their response will be chased and forwarded on for a period of up to four working weeks. Whilst we cannot guarantee that a utility company will respond to our enquiries, we endeavour to obtain responses from those that have not responded.

Any responses contained within this report have been obtained between the start date of the order and the date of issue.

If you want to discuss your report further with us please contact Landmark Customer Services.

Utilities Report

Our Reference:	LM / 79185	Checked by:	PS
Site Name:	Land at Beaconsfield Close, Chiswick	Site size (ha):	2.61

Overview of Site



Map Scale:	1:2000
Defining Coordinates (& postcodes)	1: E: 520081, N: 178087, 2: E: 520186, N: 178126, 3: E: 520107, N: 178184, 4: E: 519972, N: 178048, 5: E: 520022, N: 177992 (W4 4EL, W4 4EH, W4 4EJ, W4 4EA, W4 3XQ)

Note: Please ensure the entire area within the red boundary on this plan is covered.

Land at Beaconsfield Close, Chiswick

W4 4EL

OSGR: 520070,178070

Date Requested: 02 September 2019

Client Reference:

216475736_1

Affected Utilities We have received plans/information from the following companies. Please see the enclosed response.

Utility	Category	Date Issued	Late Response Issue Date	Notes
C.A. Telecom UK - [Colt Technology Services]	Telecom	27 September 2019		
Cadent Gas (Above 7 bar and 2 bar) and National Grid Electricity Transmission	Gas, Electric	27 September 2019		
Cadent Gas Ltd	Gas	27 September 2019		
Environment Agency	Environmental Agency	27 September 2019		See response.
euNetworks	Telecom	27 September 2019		
Instalcom - [CenturyLink, Global Crossing, Fibernet & Fiberspan]	Telecom	27 September 2019		
LinesearchbeforeUdig	Other	27 September 2019		Cadent Gas (Above 7 bar and 2 bar) and National Grid Electricity Transmission, Zayo Group UK Ltd c/o JSM Group Ltd - identified as affected. See separate responses.
Openreach - [British Telecommunications]	Telecom	27 September 2019		
Scottish and Southern Electricity	Telecom, Gas, Electric, Water, Sewerage, Steam	27 September 2019		
Thames Water	Water, Sewerage	27 September 2019		
Trafficmaster	Highways	27 September 2019		
Utility Assets	Electric	27 September 2019		See response.
Virgin Media	Telecom	27 September 2019		
Vodafone	Telecom	27 September 2019		See response. Only affected sent.
Zayo Group UK Ltd c/o JSM Group Ltd	Telecom	27 September 2019		

No Response Received We are still awaiting a full response from the following companies.

Utility	Category	Date Issued	Late Response Issue Date	Notes
London Borough of Hounslow	Council			
London Underground - Power Distribution	Rail			
London Underground	Rail			Not ordered as requested*

* You have ordered a report without London Underground Ltd plans due to the nature of your works. An additional search of London Underground Ltd is available on request from £200 + VAT from your search provider customer services team.

Not Affected Utilities

We have received a not affected/no plant present response from the following companies.

Utility	Category	Date Issued	Late Response Issue Date	Notes
CityFibre	Telecom	27 September 2019		
Energetics	Gas, Electric	27 September 2019		
GTC	Telecom, Gas, Electric, Water	27 September 2019		
Network Rail	Rail	27 September 2019		
SKY Telecommunications Services	Telecom	27 September 2019		
Telent - [TeliaSonera]	Telecom	27 September 2019		
Transport for London	Highways	27 September 2019		
Verizon	Telecom	27 September 2019		

Checked and Validated By LLo

Date 27 September 2019

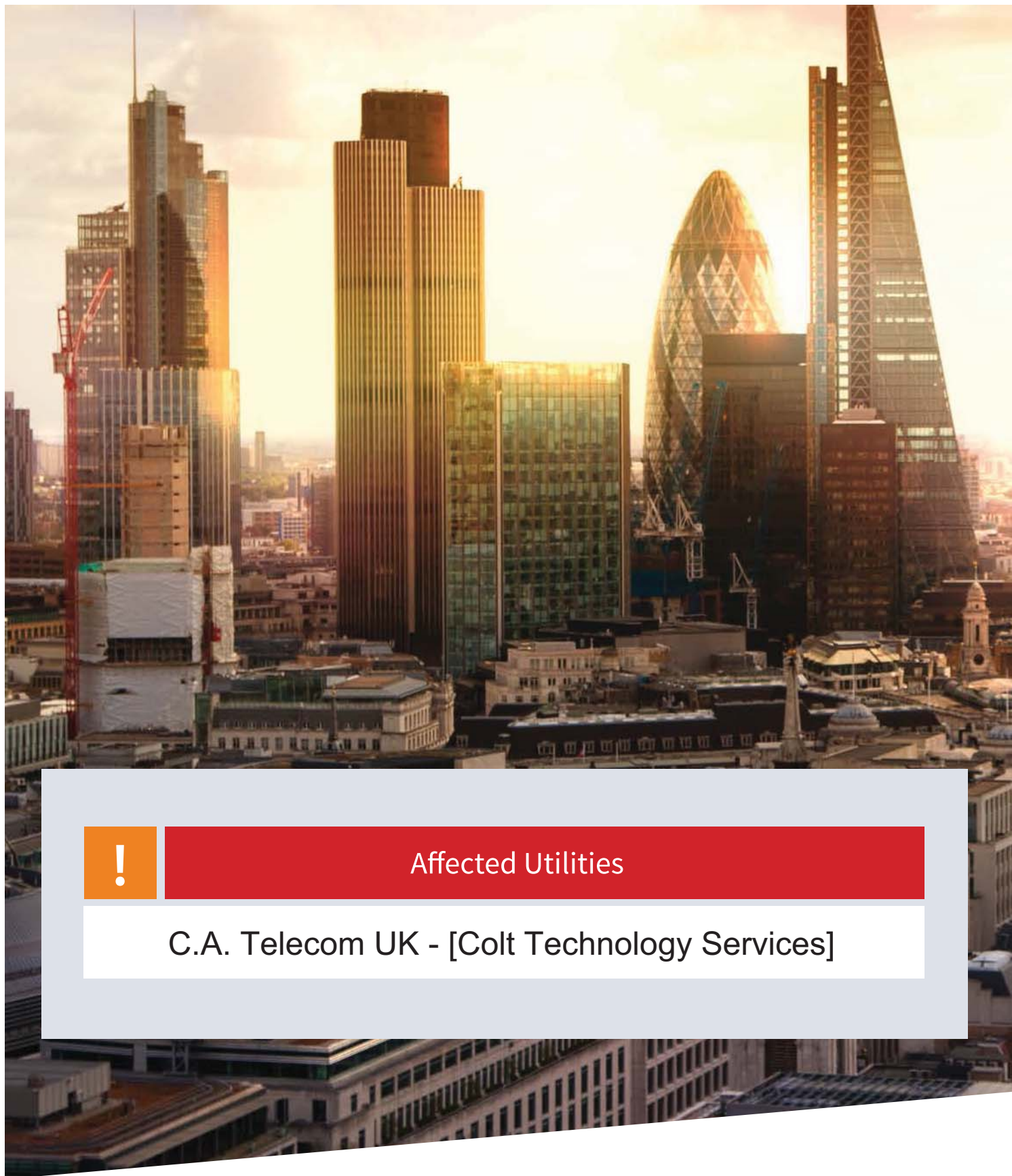
Definition of Terms

Affected - Utility supplier is expected to be affected by any work carried out in the area searched as their records indicate their plant is in or close to the area searched. It is recommended to anybody carrying out works in the area that they should consult with the utility company as soon as possible and in any event prior to carrying out any works.

No Response Received - At the date of sending the report no response has been received from the utility supplier.

Not Affected - Utility supplier is not expected to be affected by any work carried out in the area searched as their records indicate their plant is not in or close to the area searched.

Utilities Report



Affected Utilities

C.A. Telecom UK - [Colt Technology Services]

CHECKED



COLT PLANT ENQUIRIES

C.A TELECOM UK LIMITED

Dockers Field Farm

Pean Hill

Whitstable

Kent CT5 3BJ

Email: plantenquiries@catelecomuk.com

Tel: 01227 768427

Our Reference: P019843

OVERSEEING ORGANISATION AGENT ACHEME REFERENCE

O.O Agent – Atkins Global

Contact –

Title – Beaconsfield Close, Chiswick

Scheme Ref – 79185

10th September 2019

Dear Sir/Madam,

Thank you your enquiry for the above reference. We can confirm that Colt Technology Services do have apparatus near the above location within the scheme reference and enclose the relevant drawings showing the approximate location of Colt apparatus for purpose of initial plant enquiry. Detailed network location will be presented via Scheme Identification Study Process. All reasonable effort has been made to capture network however image may not reflect unprocessed new build track. Search is based on Overseeing Organisation Agent data supplied; we do not accept responsibility for O.O Agent inaccurate data.

If your proposed works are likely to affect or expose the Colt Technology Services apparatus in anyway please contact Colt Civils Team members below to discuss any plant protection/diversionary measures that may be required, as per the code of Practice Measures necessary where apparatus is affected under NRSWA 1991 Diversionary Works Scheme Identification & Preliminary C2 Enquires.

Clients request for C3 budget costs will trigger the onsite survey to ascertain the requirement's needed to ensure a safe area for the affected COLT network

Colt company policy negates any potentially detrimental effect on the network as well as protecting us from any potential costs and damages.

Please note as COLT moves to C3 status we will require as estimated start date for the project to allow for COLT policy lead-time's

Des.creighton@colt.net - London

John.Richardson@colt.net- UK outside London M25

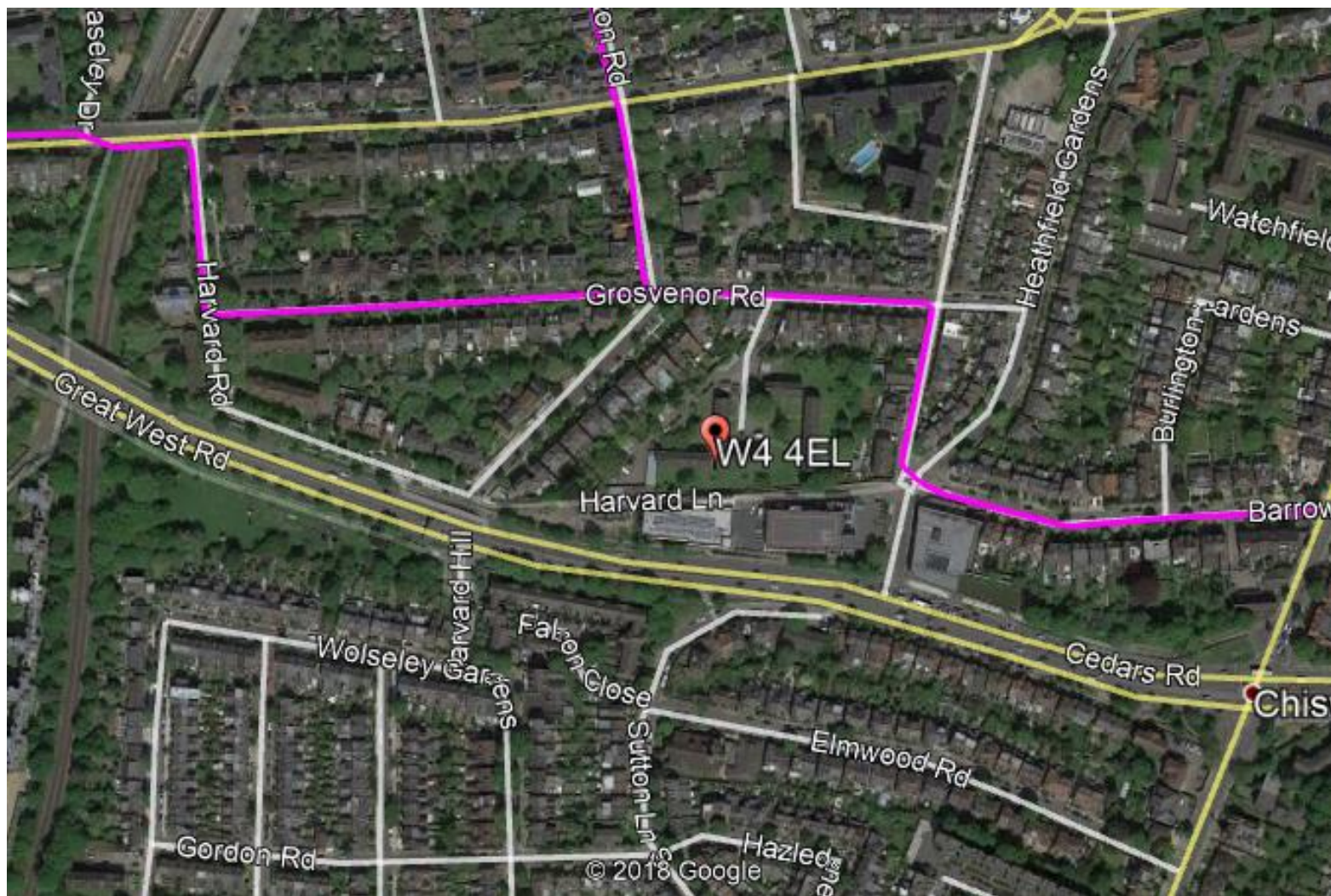
Paul.terry@colt.net- escalations

We would remind you that mechanical excavators or borers should never be used within 1500mm of any COLT Technology Service apparatus.

If we can be of any further assistance please do not hesitate to contact us.

Yours sincerely,

Plant Enquiry Team



CONFIDENTIAL

PREPARED BY C.A. TELECOM UK LTD

DATE: 10th September 2019

Our Ref: P019843

UTILITY UNDERTAKER

PLANT ENQUIRY AGENT FOR Colt

MAP IMAGE PERMISSIONS

COLT NETWORK LEGEND

NRSWA 1991 Diversionary Works

OVERSEEING ORGANISATION AGENT REFERENCE

colt

Colt Technology Services
Beaufort House,
15 St Botolph Street,
London, EC3A 7QN

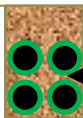
www.colt.net



C.A. TELECOM UK LTD
Dockers Field Farm
Pean Hill
Whitstable
Kent CT5 3BJ

CONTACT Tel: 01227 768427
Fax: 01227 458884
email: plantenquiries@catelecomuk.com

Centara supplied map
Promap



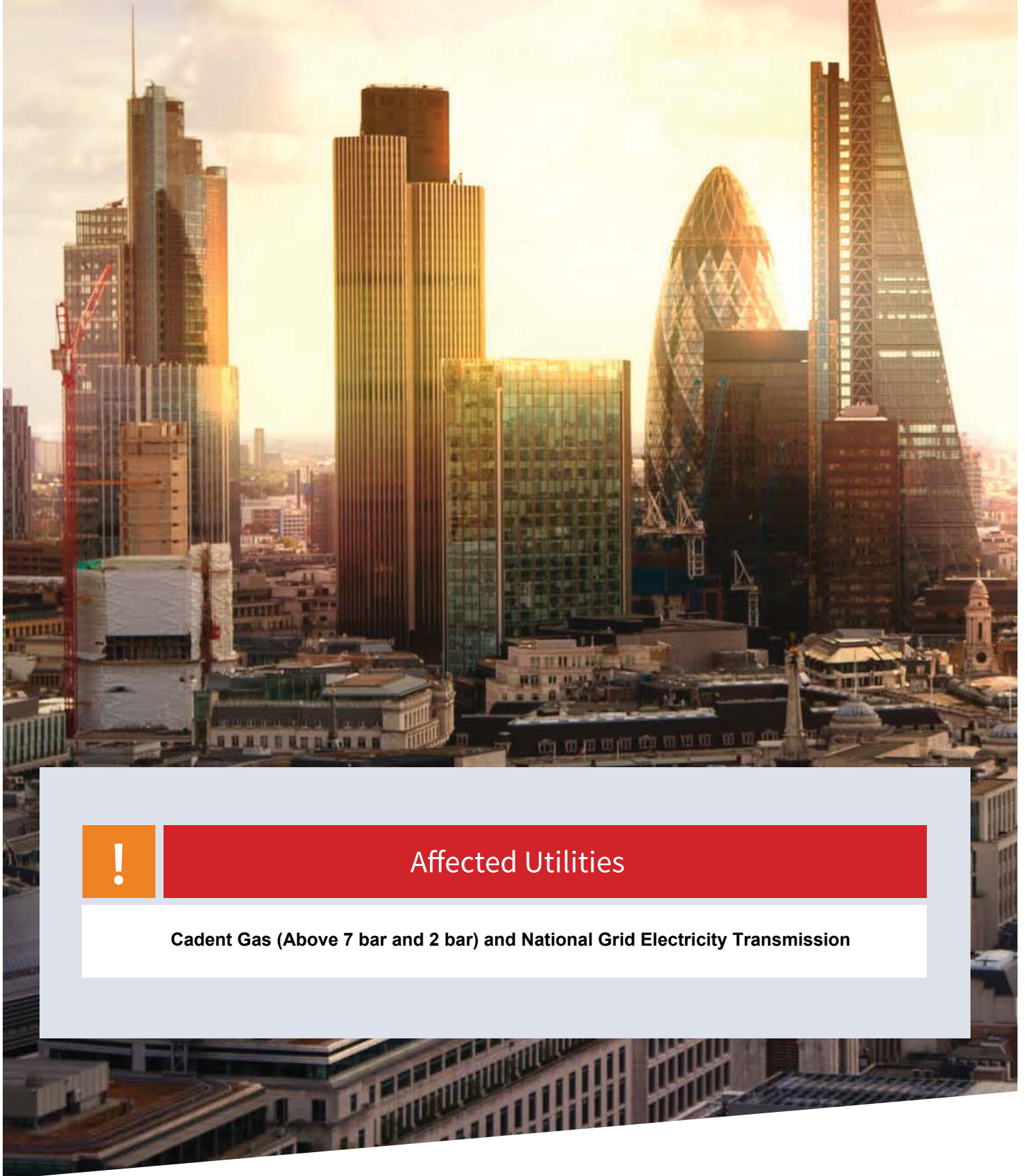
NOMINAL DEPTH
OF COVER
250mm F/W
550mm C/W

Colt
Infrastructure
Network

SCHEME & PRELIMINARY INQUIRIES C2
Colt Technology Services External
Infrastructure general location indicated
only for purposes of initial plant enquiry,
detailed network location will be presented
via Scheme Identification Study process. All
reasonable effort has been made to capture
network however image may not reflect
unprocessed new build track.

O.O Agent – Atkins Global
Contact –
Title – Beaconsfield Close, Chiswick
Scheme Ref – 79185

Utilities Report



Affected Utilities

Cadent Gas (Above 7 bar and 2 bar) and National Grid Electricity Transmission

Chrissy Elliott
Atkins Limited
The Hub
500 Park Avenue
Aztec West
Almondsbury
Bristol
BS32 4RZ

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

Date: 06/09/2019

Our Ref: NL_GE4A_3SL_584144-2

Your Ref: 79185 - LSBUD-190905-16398106

RE: Proposed Works, Land at Beaconsfield Close, Chiswick

Thank you for your enquiry which was received on 06/09/2019.
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.

As your works are at a "proposed" stage, any maps and guidance provided are for information purposes only. This is not approval to commence work. You must submit a "Scheduled Works" enquiry at the earliest opportunity and failure to do this may lead to disruption to your plans and works. Plant Protection will endeavour to provide an initial assessment within 14 days of receipt of a Scheduled Works enquiry and dependent on the outcome of this, further consultation may be required.

In any event, for safety and legal reasons, works must not be carried out until a Scheduled Works enquiry has been completed and final response received.

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:

- 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 underground cables and associated equipment

Requirements

BEFORE carrying out any work you must:

- **Refer to the attached cable profile drawings (if any) which provide details about the location of National Grid's high voltage underground cables.**
- 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

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 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

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>

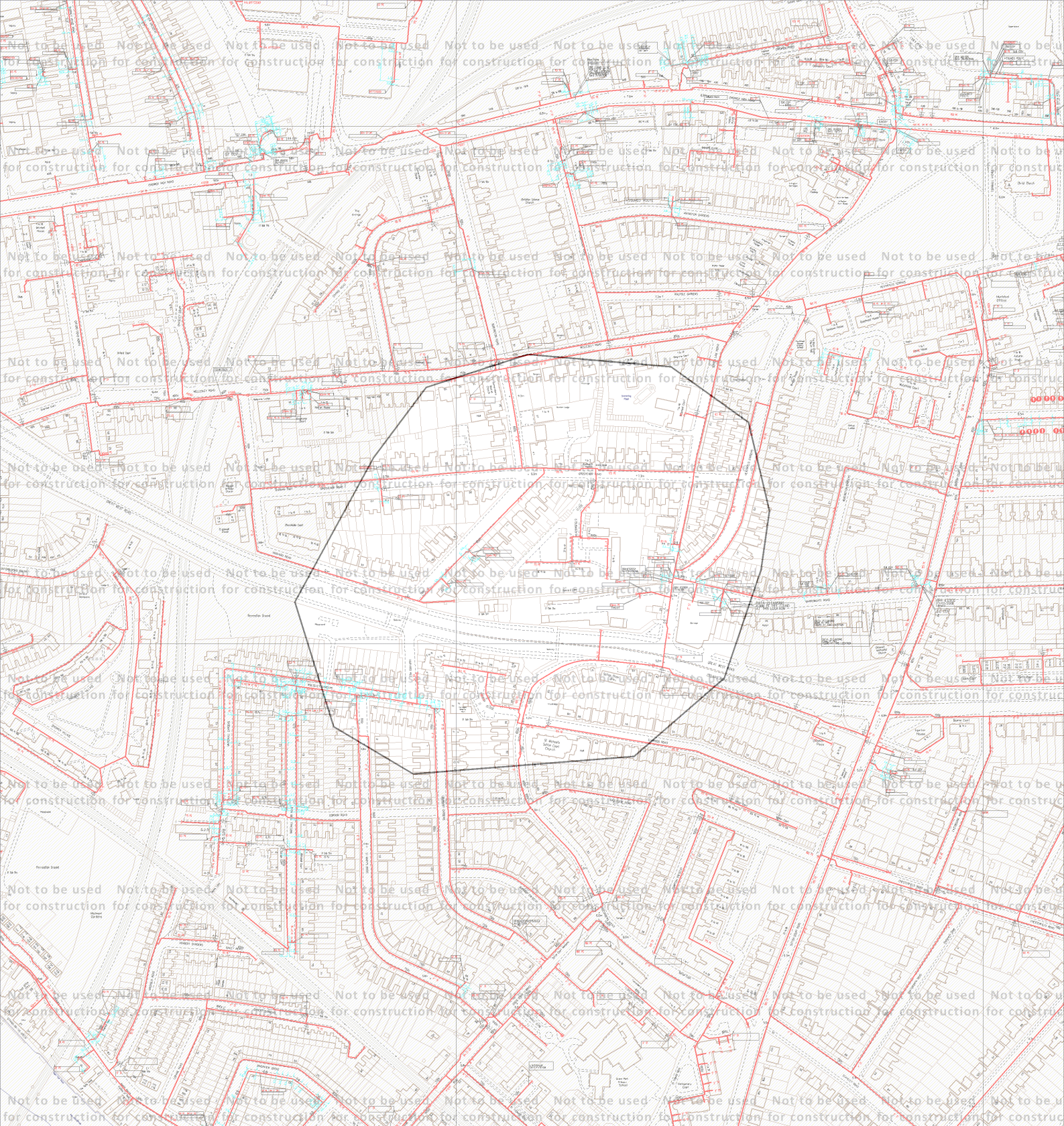
Excavating Safely in the vicinity of gas pipes guidance (Credit card):

<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_3SL_584144-2		View extent: 1010m, 1090m	Map not to be used for construction
USER: RTD	LP MAINS		<div>MAPS Plot Server Version 1.11.0</div> <div></div> <div>Your Gas Network</div> <div>Requested by: Atkins Limited</div> <div>Map 1 of 2 (GAS)</div>
DATE: 06/09/2019	MP MAINS		
DATA DATE: 05/09/2019	IP MAINS		
REF: 79185 - LSBUD-190905-163981	LHP MAINS		
	NHP MAINS		
MAP REF: TQ2078	<div>0m 100m</div> <div>Approximate scale 1:5000</div> <div>on A4 Colour Portrait</div>		
CENTRE: 520072, 178077			
<div>Some examples of Plant Items:</div> <div>Valve Depth of Cover Syphon Diameter Change Material Change Out of Standard Service </div>			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

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.



ID: NL_GE4A_3SL_584144-2	View extent: 1010m, 1090m	Map not to be used for construction
USER: RTD	Underground cables 	MAPS Plot Server Version 1.11.0  Requested by: Atkins Limited
DATE: 06/09/2019	Overhead lines 	
DATA DATE: 22/05/2019		
REF: 79185 - LSBUD-190905-163981		
MAP REF: TQ2078		
CENTRE: 520072, 178077	 Approximate scale 1:5000 on A4 Colour Portrait	Map 2 of 2 (ELECTRIC)
		This plan is reproduced from or based on the OS map by National Grid Electricity Transmission plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Ordnance Survey Licence number 100024241

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.

ENQUIRY SUMMARY

Received Date

06/09/2019

Your Reference

79185 - LSBUD-190905-16398106

Location

Centre Point: 520072, 178077

X Extent: 452

Y Extent: 407

Postcode: W4 4EL

Location Description: Land at Beaconsfield Close, Chiswick

Map Options

Paper Size: A4

Orientation: PORTRAIT

Requested Scale: 2500

Actual Scale: 1:5000 (GAS), 1:5000 (ELECTRIC)

Real World Extents: 1010m x 1090m (GAS), 1010m x 1090m (ELECTRIC)

Recipients

stat.enquiries@atkinsglobal.com

Enquirer Details

Organisation Name: Atkins Limited

Contact Name: Chrissy Elliott

Email Address: stat.enquiries@atkinsglobal.com

Telephone: 01454662397 (01454662397)

Address: The Hub, 500 Park Avenue, Aztec West, Almondsbury, Bristol, BS32 4RZ

Description of Works

Development Appraisal

Enquiry Type

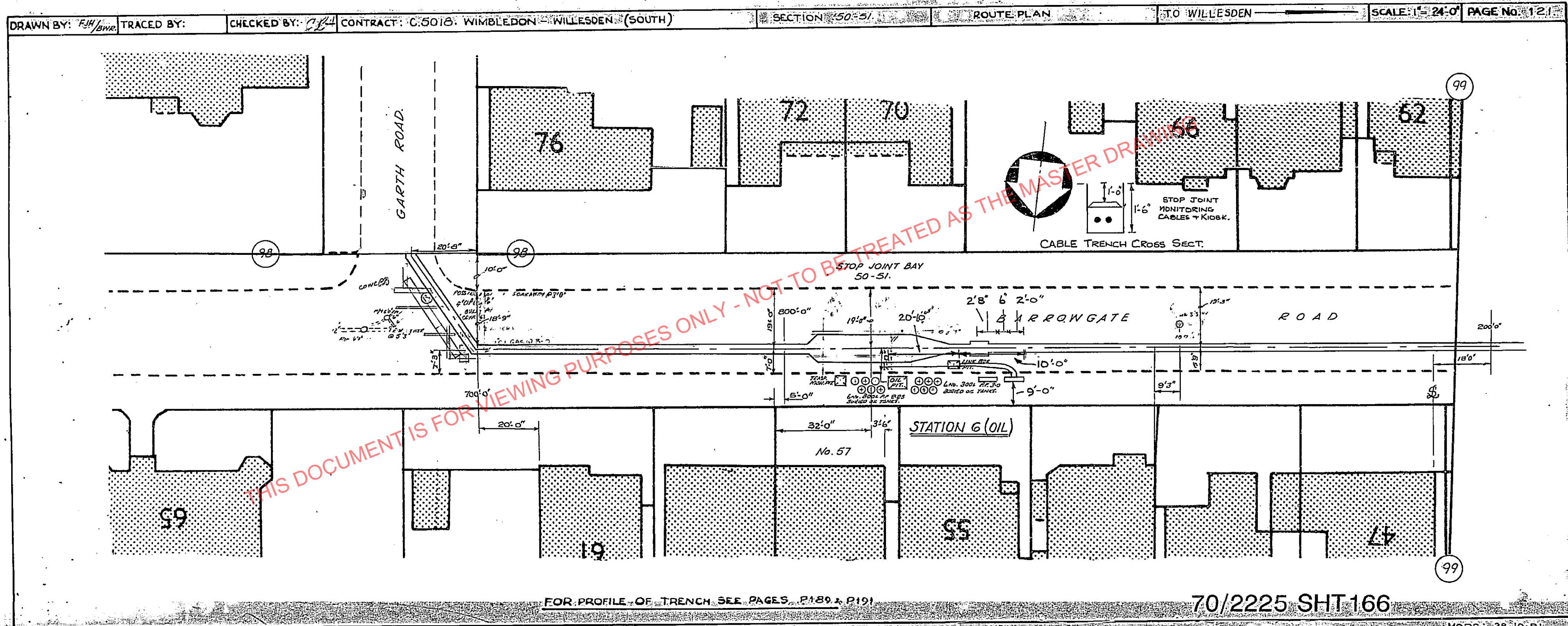
Proposed Works

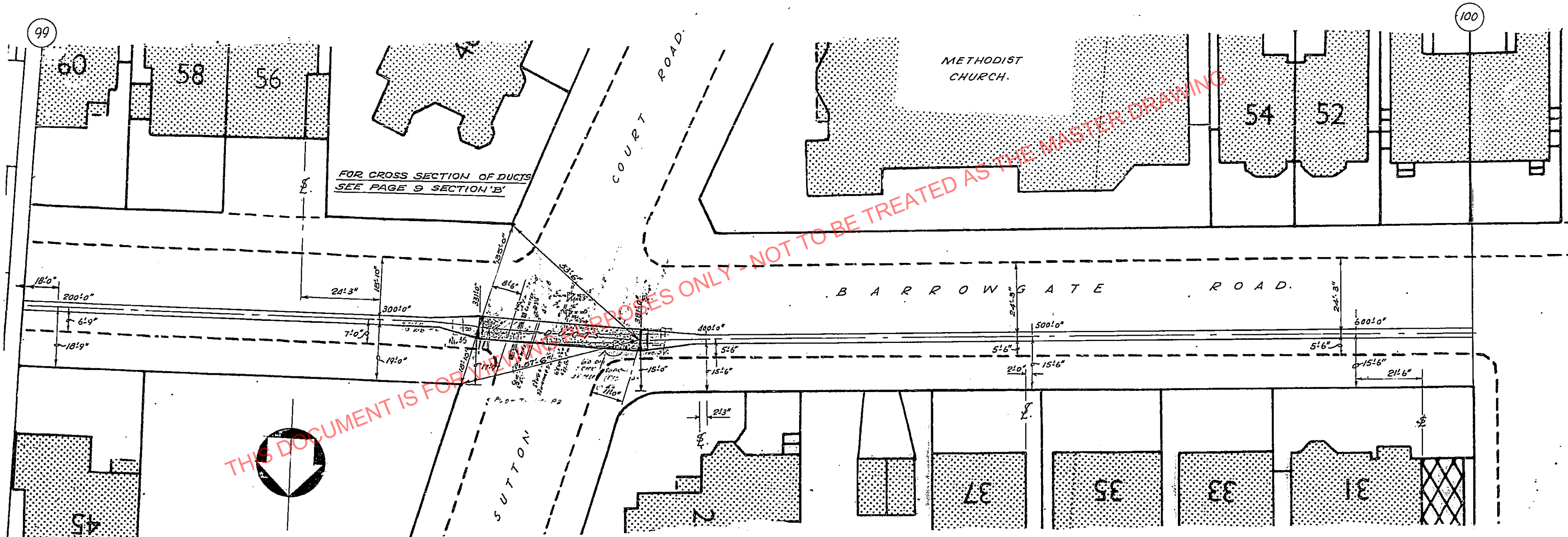
Activity Type

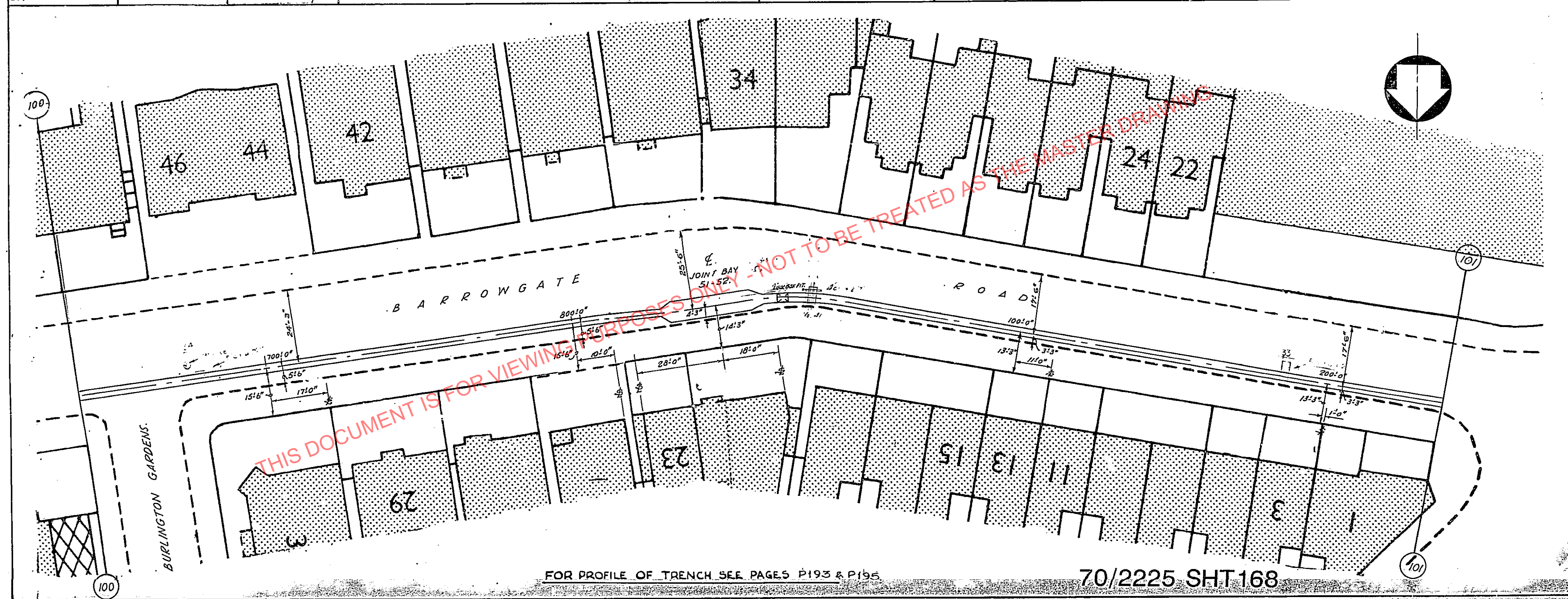
Development Project

Work Types

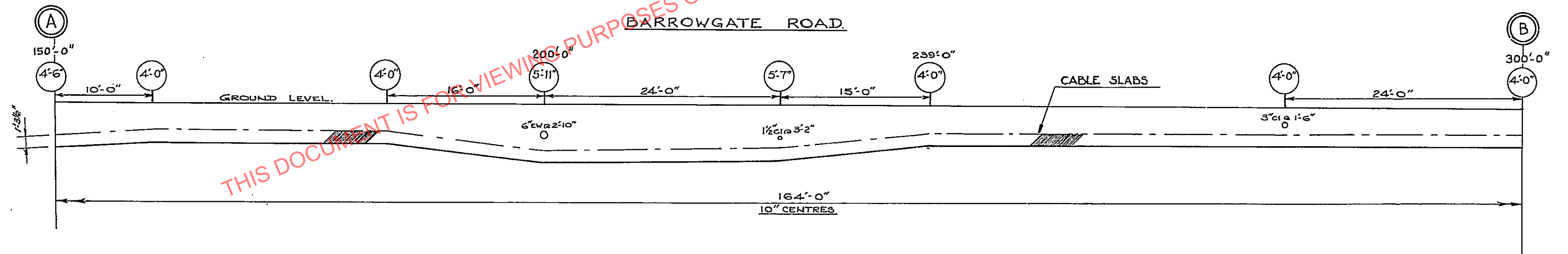
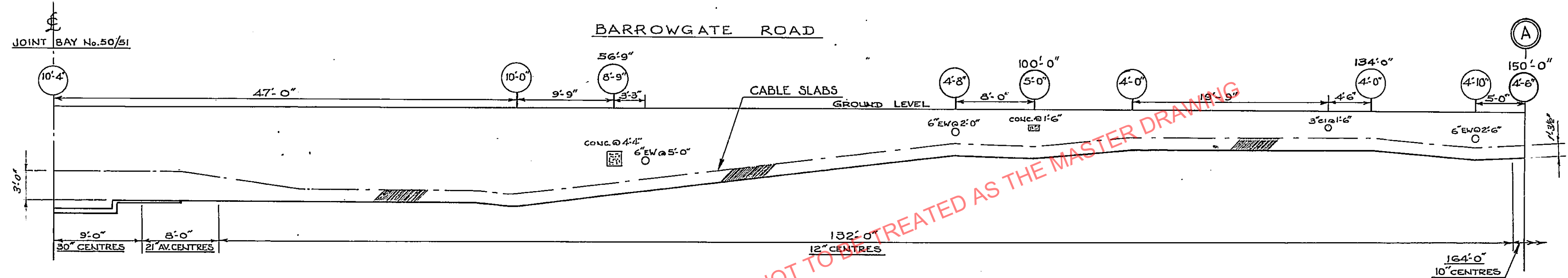
Work Type: Plans Only







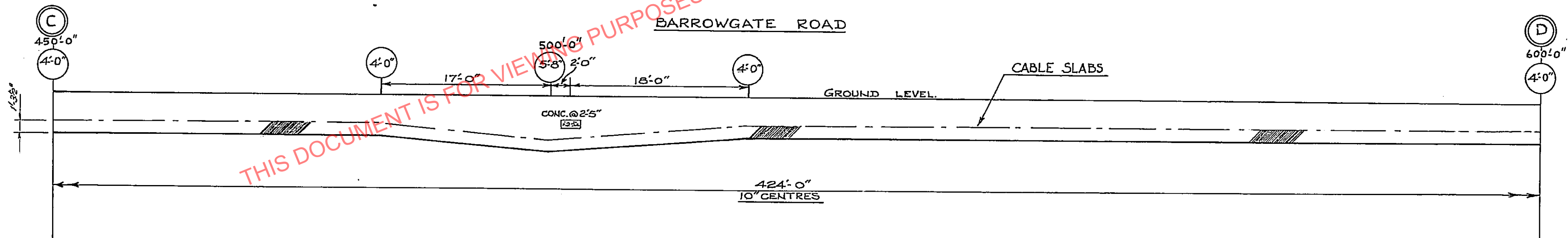
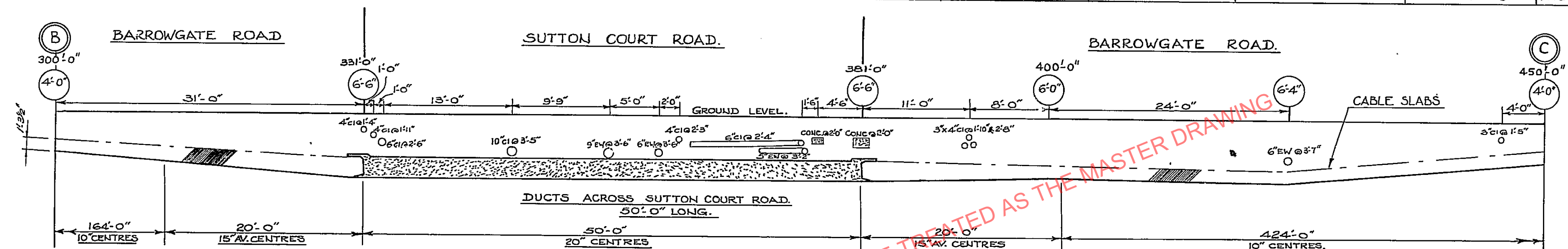
DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C.5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV. O.F. FEEDER SECTION No. 51 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. 1P191



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

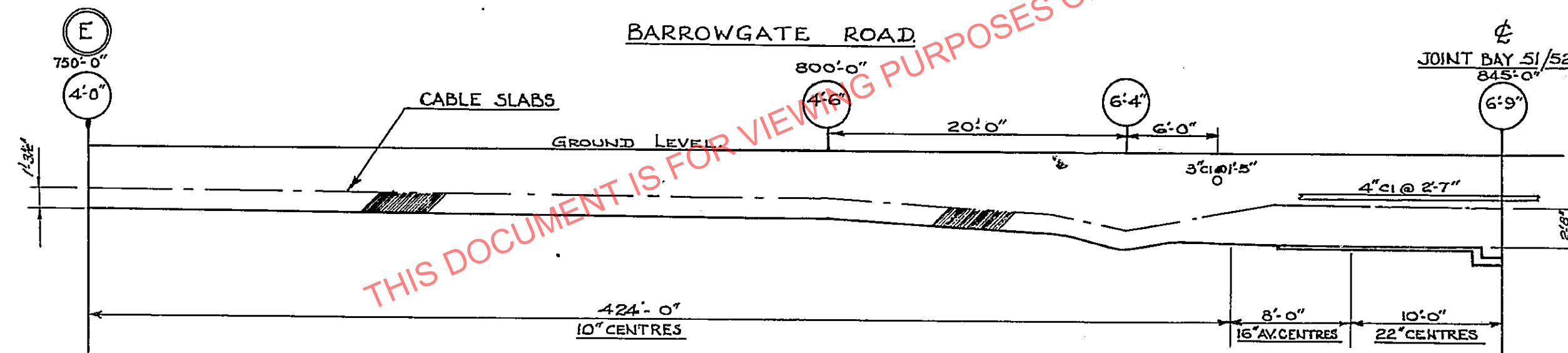
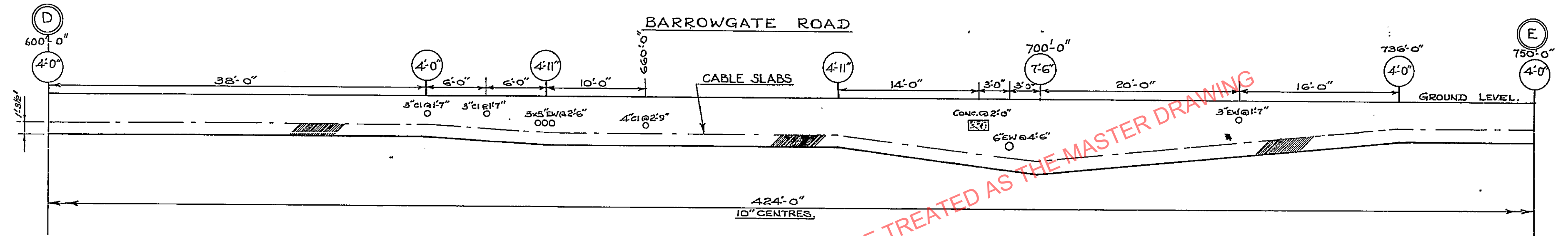
70/2225 SHT 395

DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C.5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV. O.F. FEEDER SECTION No. 51 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. P192



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C 5018 WIMBLEDON - WILLESDEN (SOUTH) 275 KV O.F. FEEDER SECTION No. 51 PROFILE OF ROUTE WILLESDEN SCALE: 1" = 8'-0" PAGE No. P.193



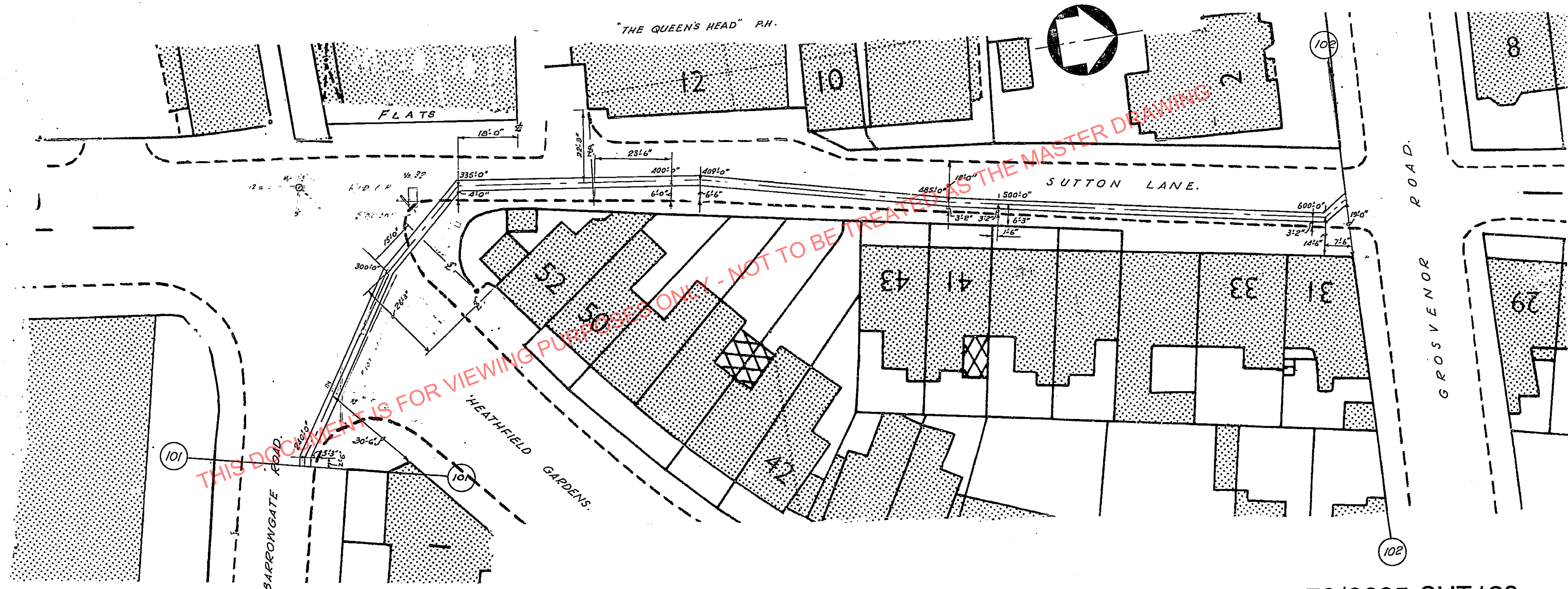
NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 397



THIS DOCUMENT IS FOR VIEWING PURPOSES ONLY - NOT TO BE TREATED AS THE MASTER DRAWING

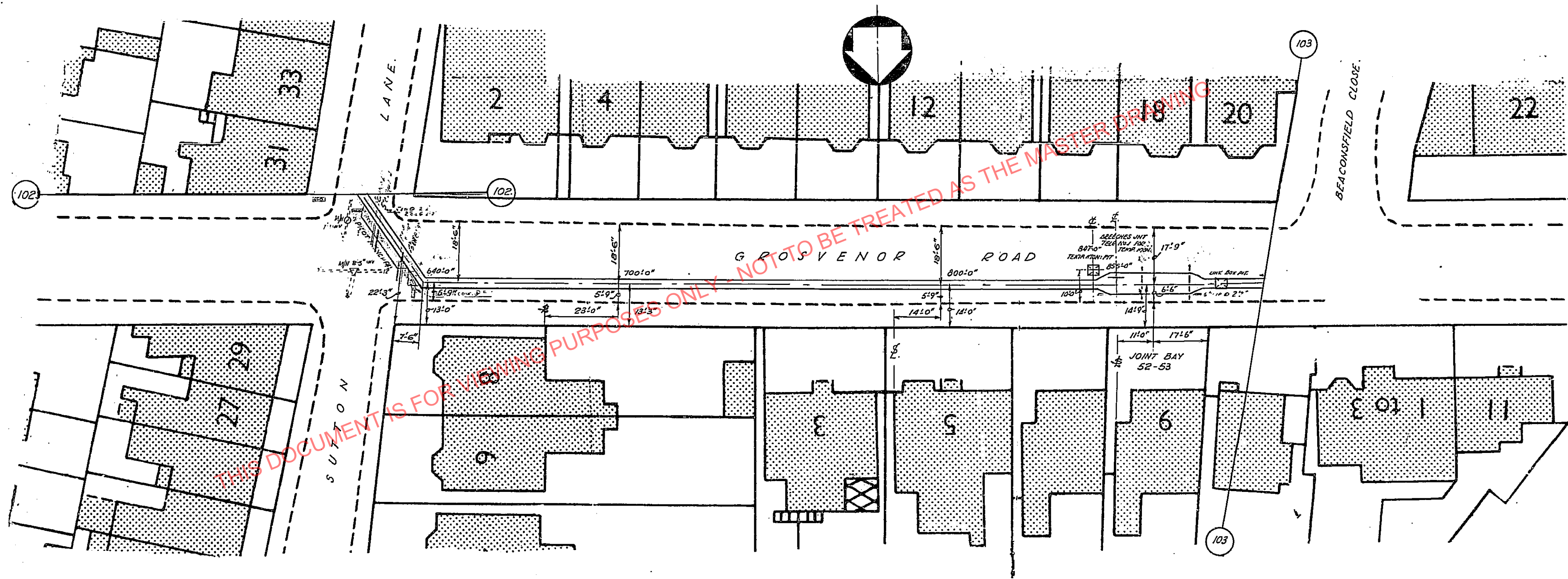
DRAWN BY: J.L.W. TRACED BY: CHECKED BY: CONTRACT: C/5018 WIMBLEDON - WILLESSEN (SOUTH) SECTION: 52 ROUTE PLAN WILLESSEN SCALE: 1" = 24' 0" PAGE No. 124



FOR PROFILE OF TRENCH SEE PAGES P195 & P196

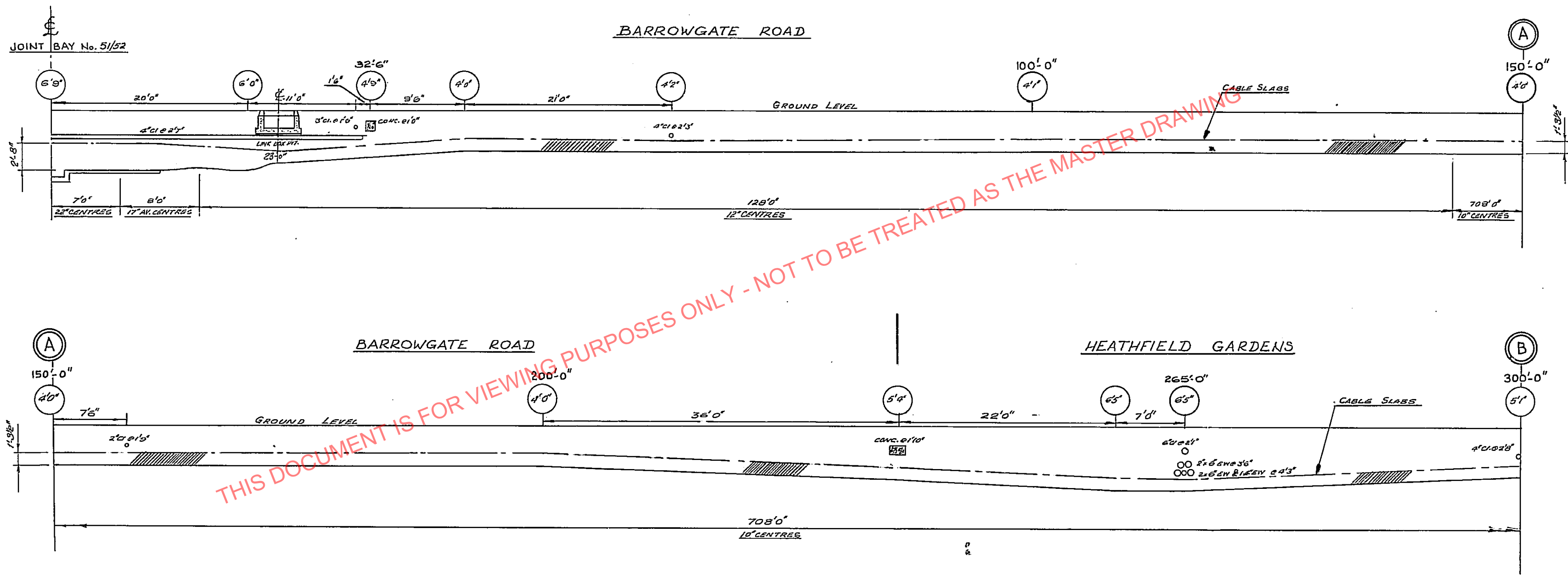
70/2225 SHT 169

REPRODUCED FROM THE ADVANCE SURVEY
MAP, WITH THE SANCTION OF THE
CONTROLLER OF H.M. STATIONERY OFFICE.
CROWN COPYRIGHT RESERVED.
HALL HARDING LTD
1, KINGSWAY, LONDON, W.C.2.



FOR PROFILE OF TRENCH SEE PAGES P197 & P198

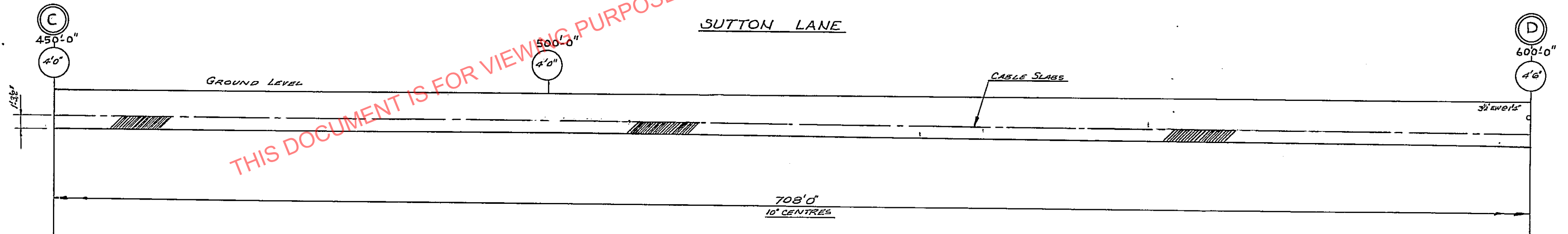
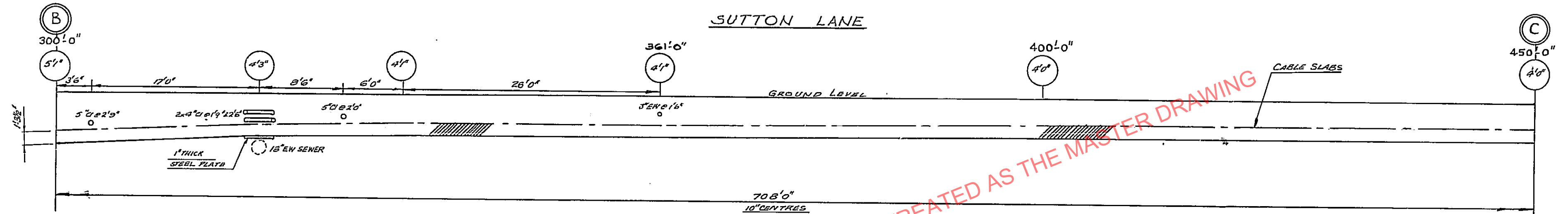
70/2225 SHT 170



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 399

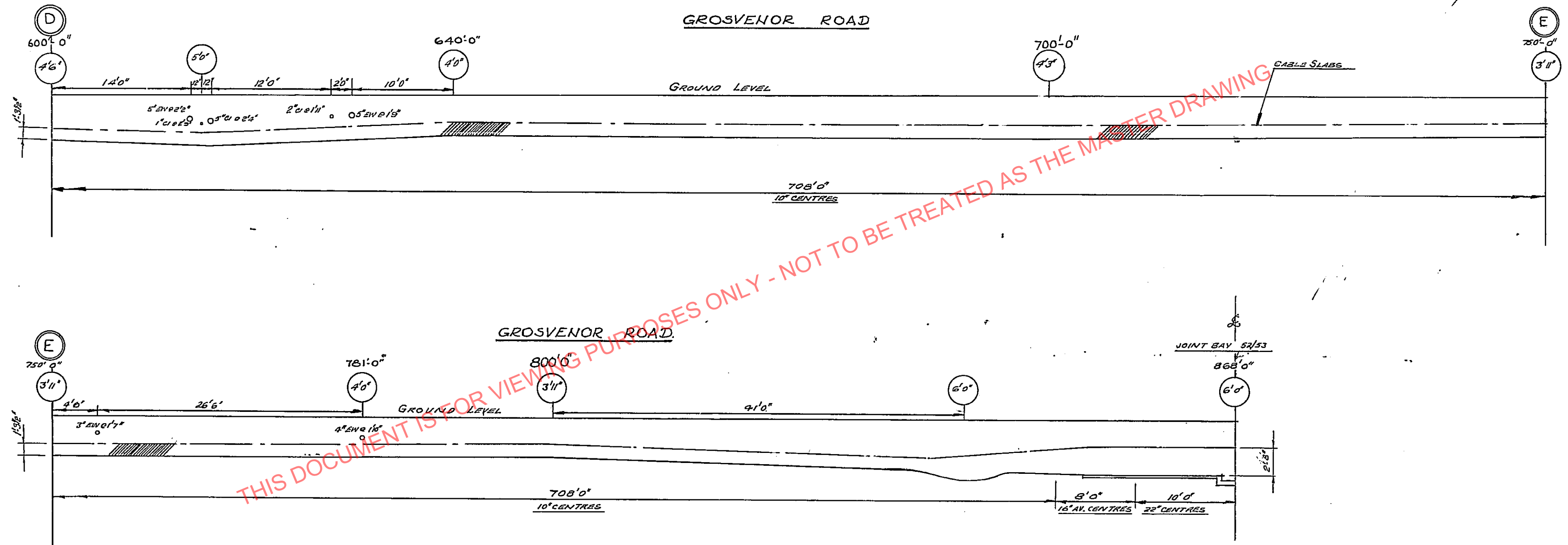
DRAWN BY: F.J.H. TRACED BY: B.W.R. CHECKED BY: CONTRACT: C.5018 WIMBLEDON-WILLESSEN (SOUTH) 275 kV O.F. FEEDER SECTION No. 32 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. 1P196



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

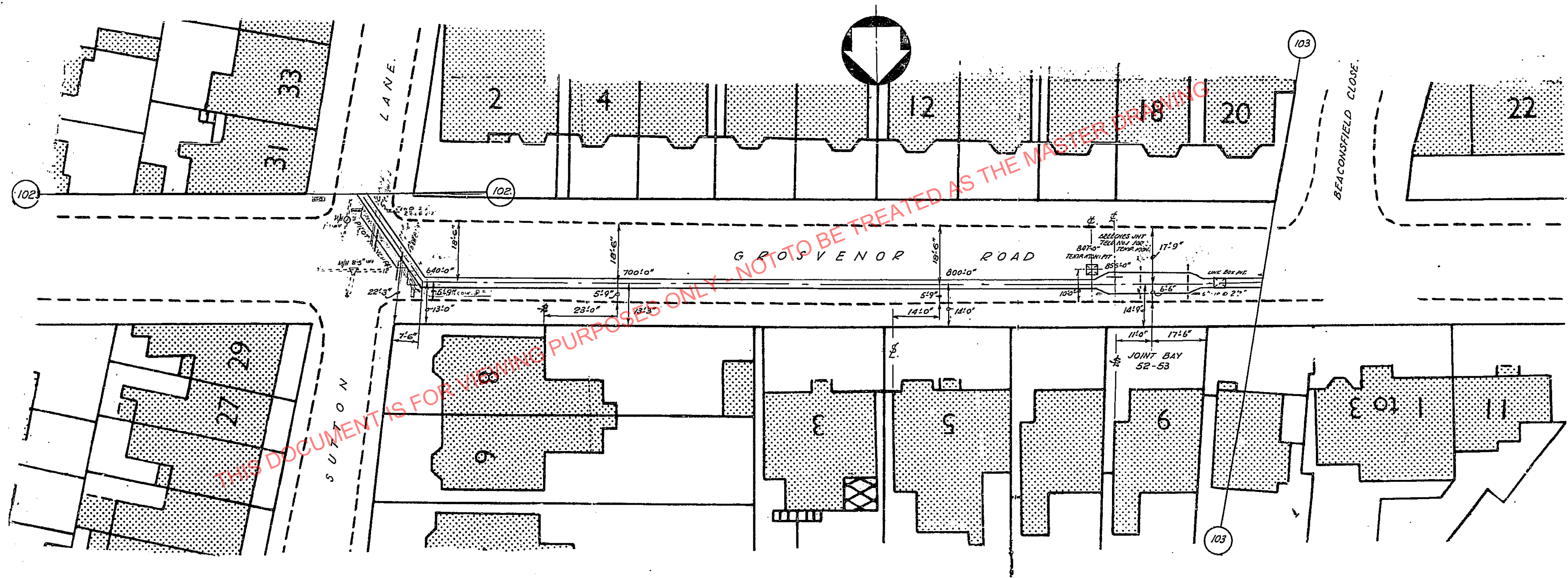
70/2225 SHT 400

DRAWN BY: F.J.H. TRACED BY: B.W.R. CHECKED BY: CONTRACT: C 5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV O.F. FEEDER SECTION No: 52 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8' 0" PAGE No: P197



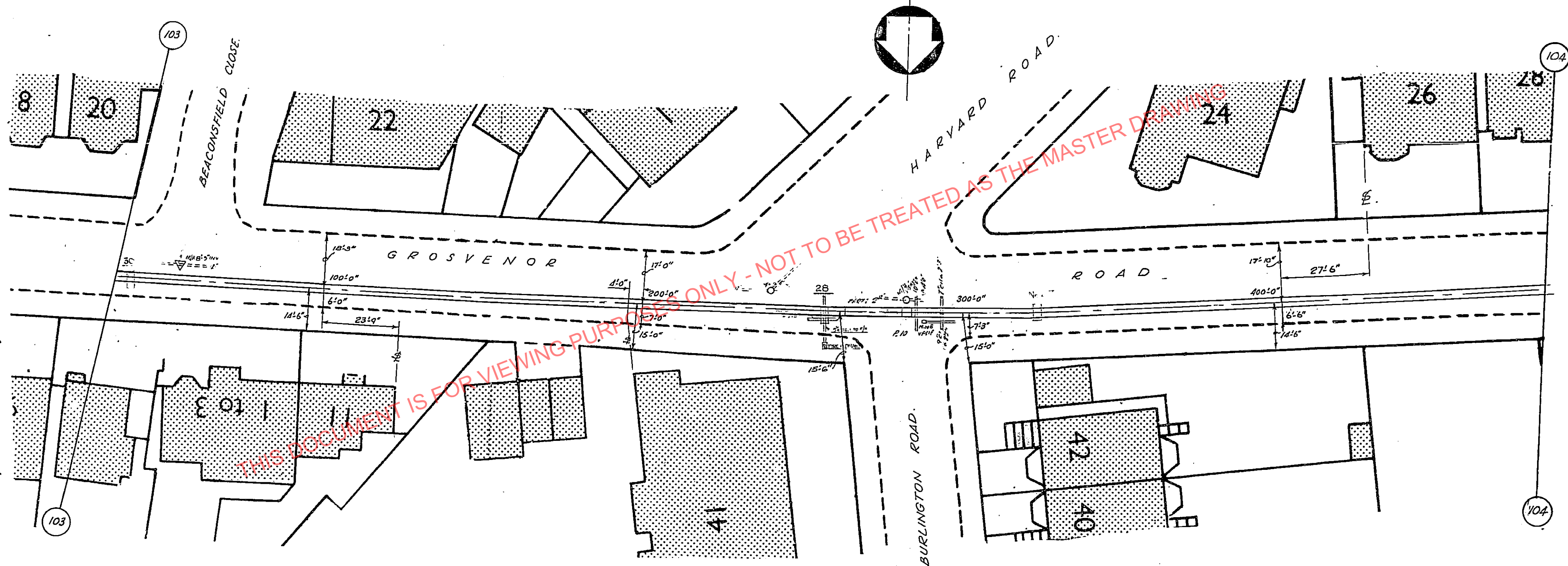
NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 401



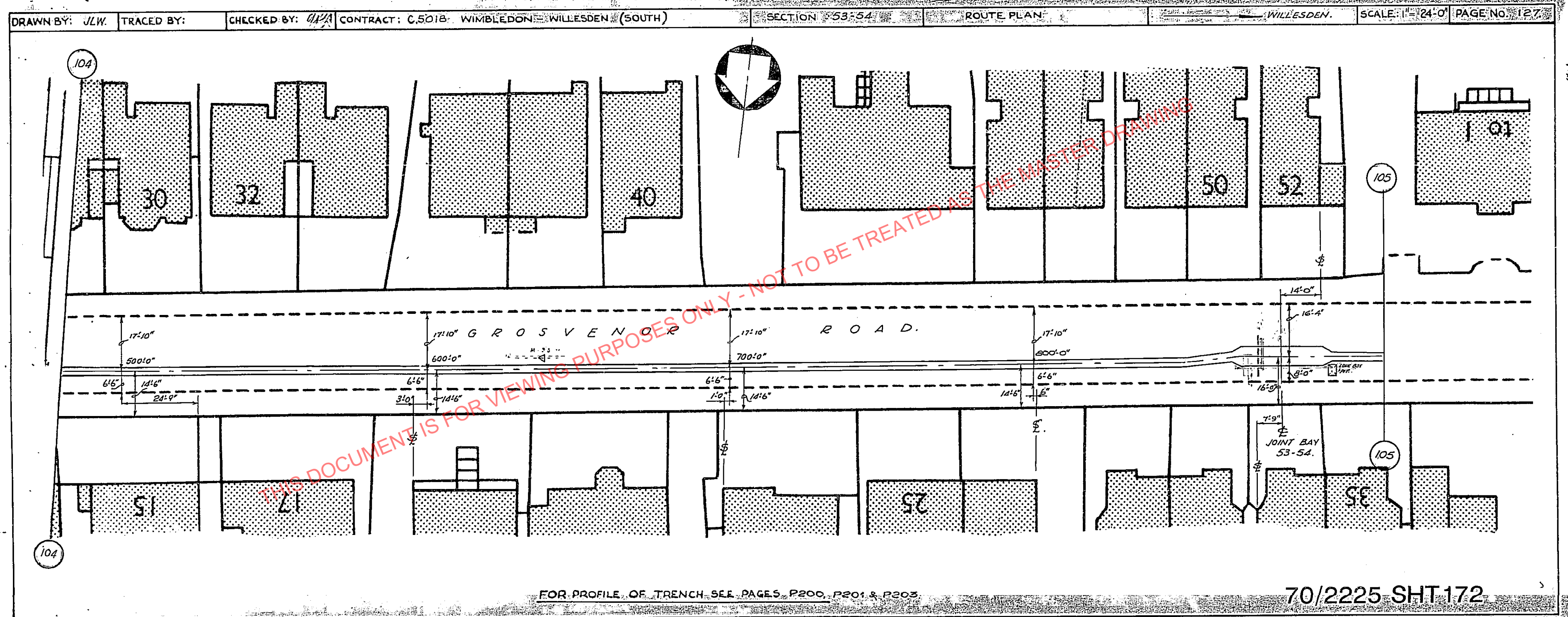
FOR PROFILE OF TRENCH SEE PAGES P197 & P198

70/2225 SHT 170

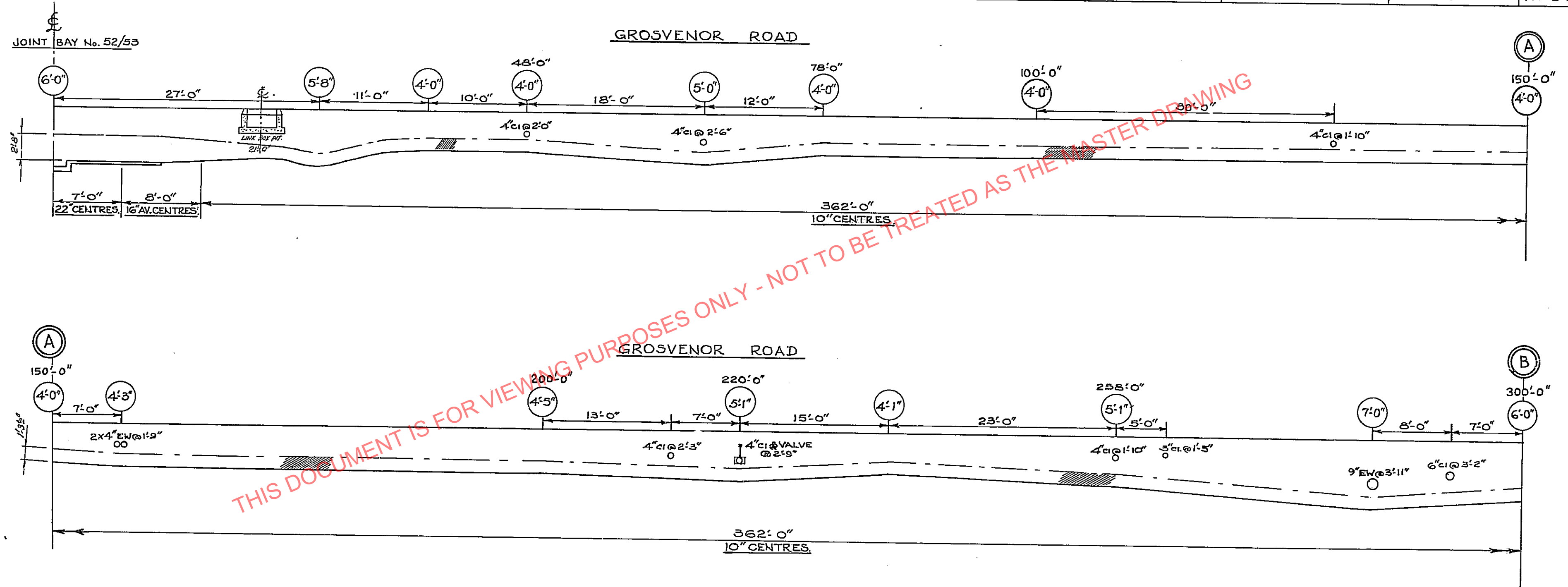


FOR PROFILE OF TRENCH SEE PAGES P199 & P200.

70/2225 SHT171

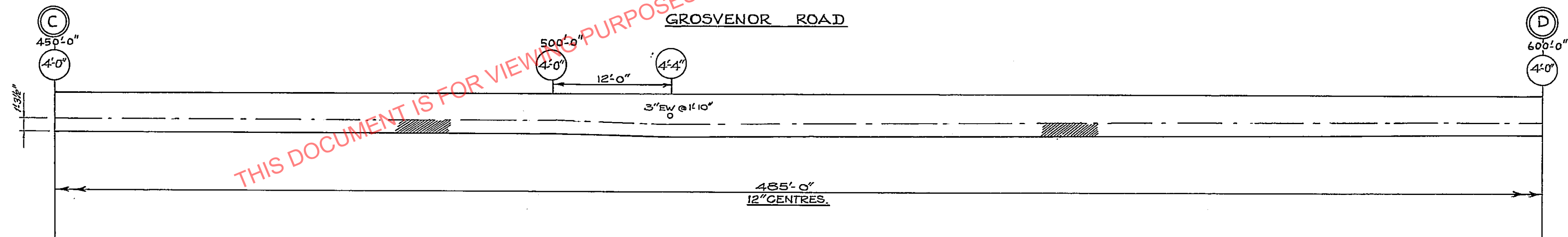
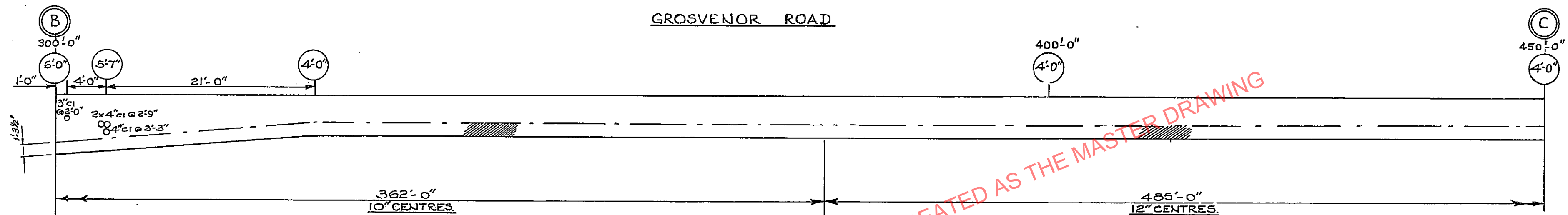


DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C 5018 WIMBLEDON-WILLESSEN (SOUTH) 275 KV O.F. FEEDER SECTION No. 53 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. 1P.199.



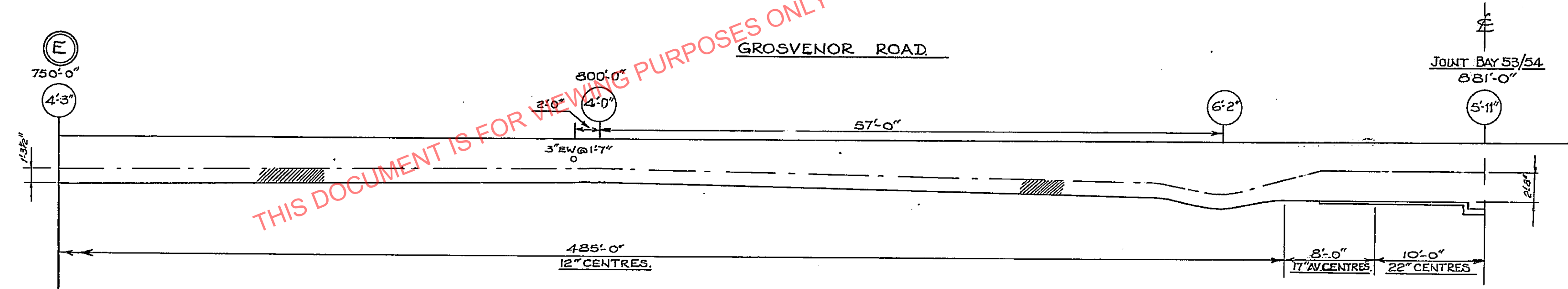
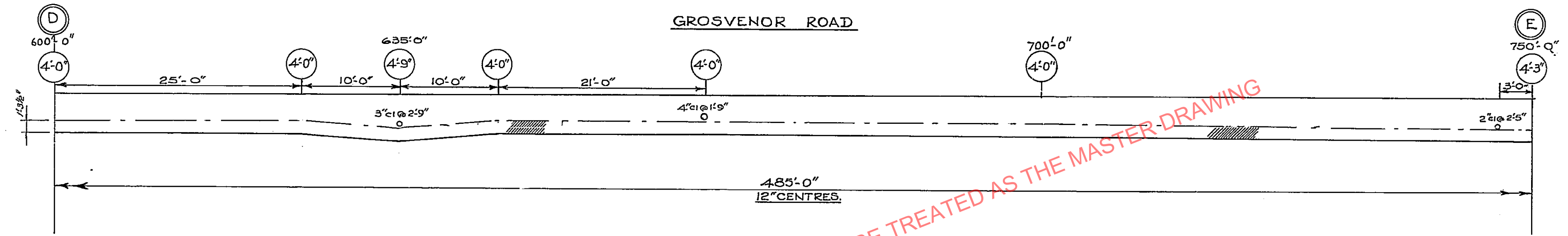
NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 403



NOTE: DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

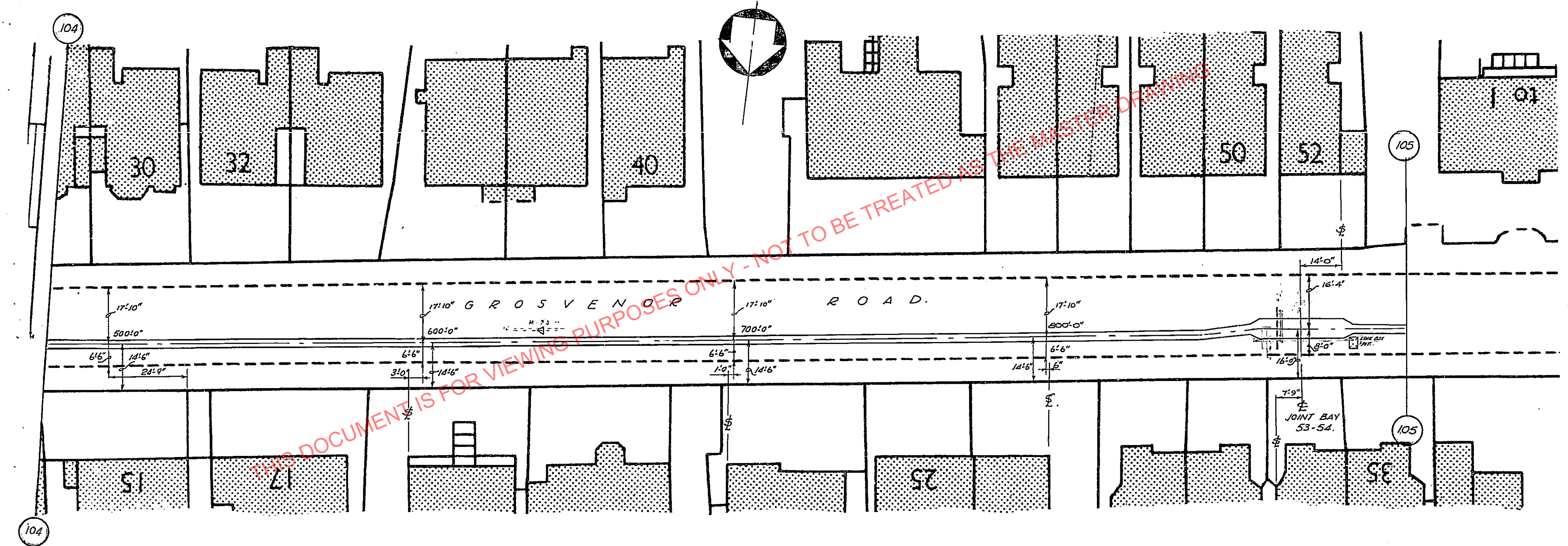
70/2225 SHT 404



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 405

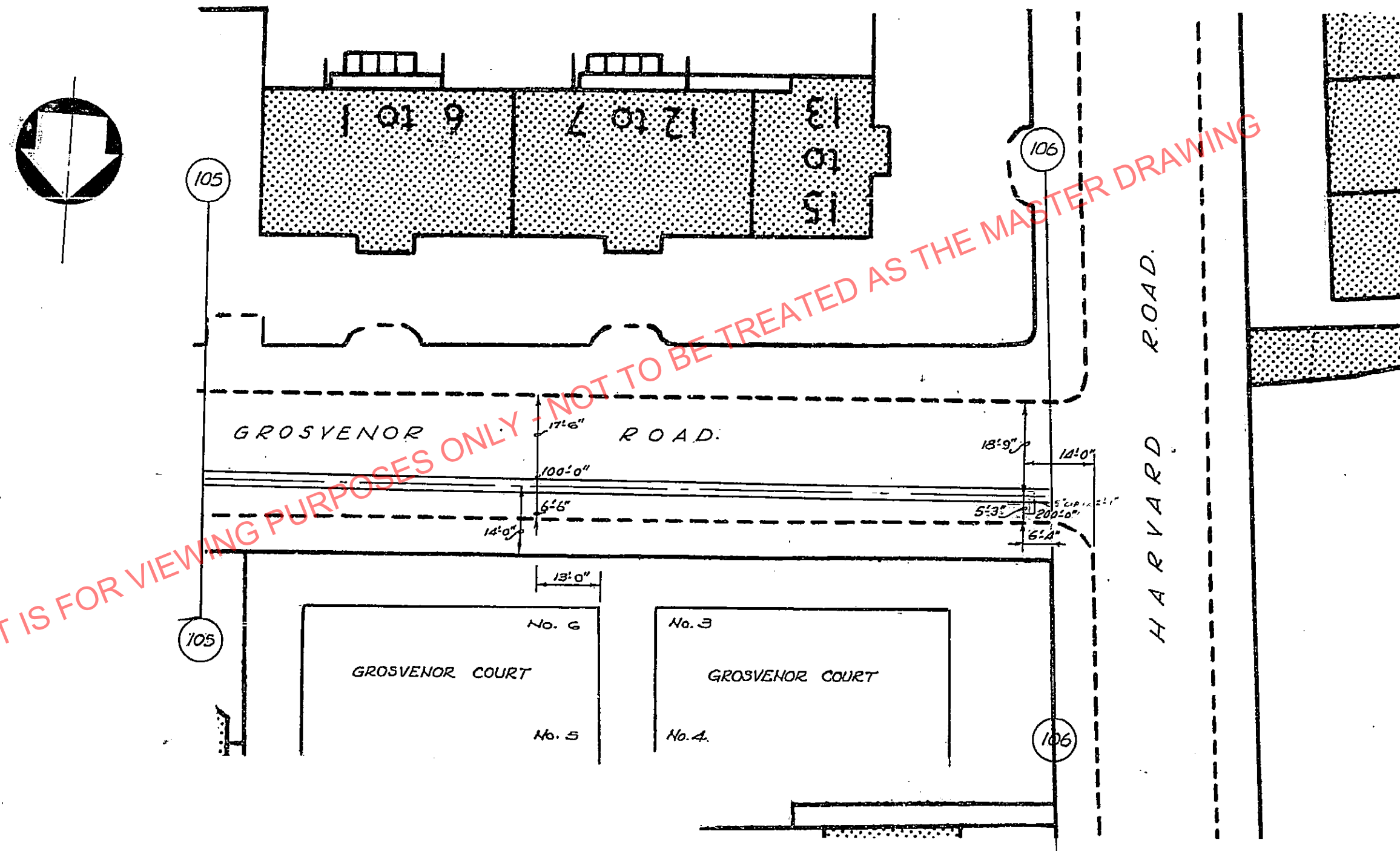
DRAWN BY: J.L.W. TRACED BY: CHECKED BY: G.H.A. CONTRACT: C.5018 WIMBLEDON WILLESSEN (SOUTH) SECTION 53-54 ROUTE PLAN WILLESSEN. SCALE: 1"=24'-0" PAGE NO. 127



FOR PROFILE OF TRENCH SEE PAGES P200, P201 & P203

70/2225 SHT172

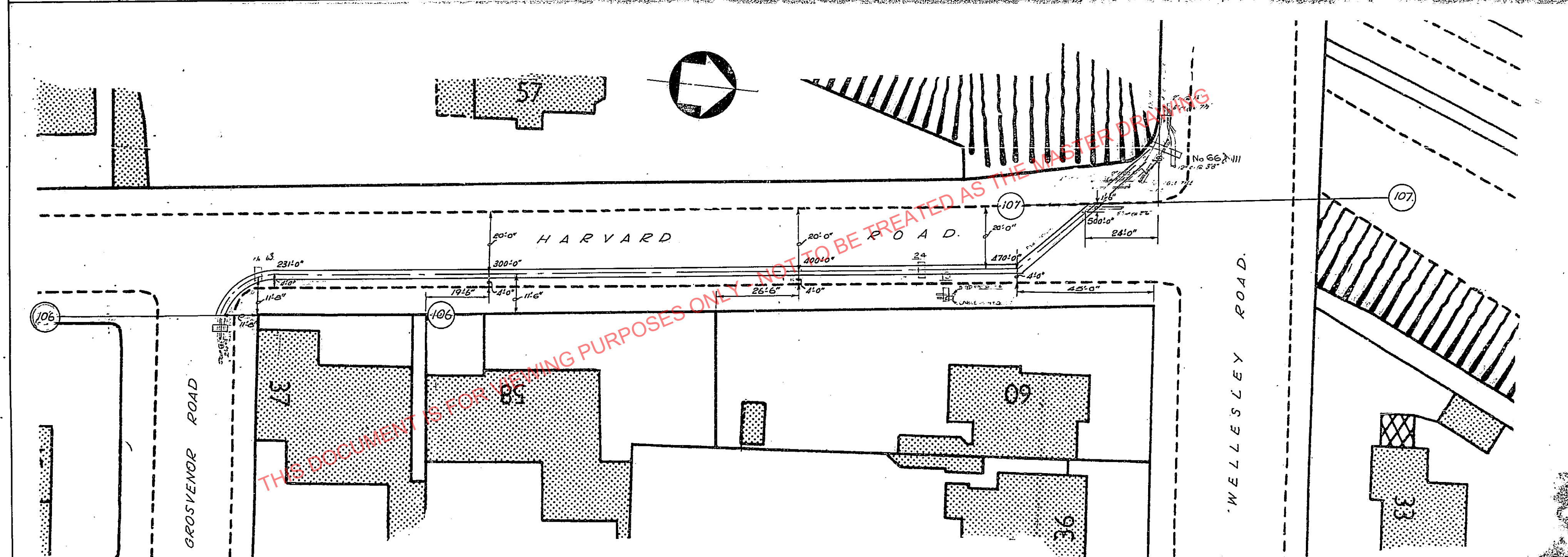
DRAWN BY: JZW TRACED BY: CHECKED BY: *[Signature]* CONTRACT: C 5018 WIMBLEDON WILLESSEN (SOUTH) SECTION: 54 ROUTE PLAN WILLESSEN. SCALE: 1" = 24'-0" PAGE NO: 128



FOR PROFILE OF TRENCH SEE PAGES P203.

70/2225 SHT 173

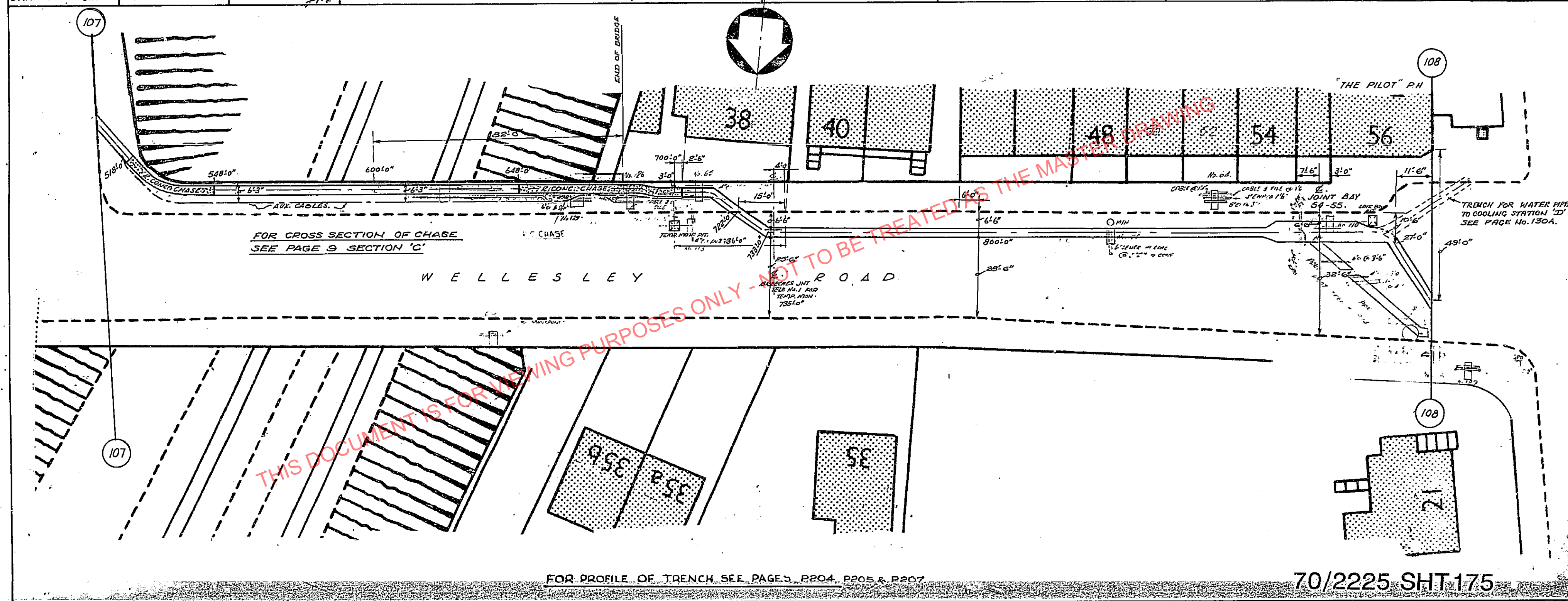
DRAWN BY: J.L.W. TRACED BY: CHECKED BY: [Signature] CONTRACT: C.5018 WIMBLEDON - WILLESSEN (SOUTH) SECTION: 54 ROUTE PLAN WILLESSEN SCALE: 1" = 24'-0" PAGE NO. 129

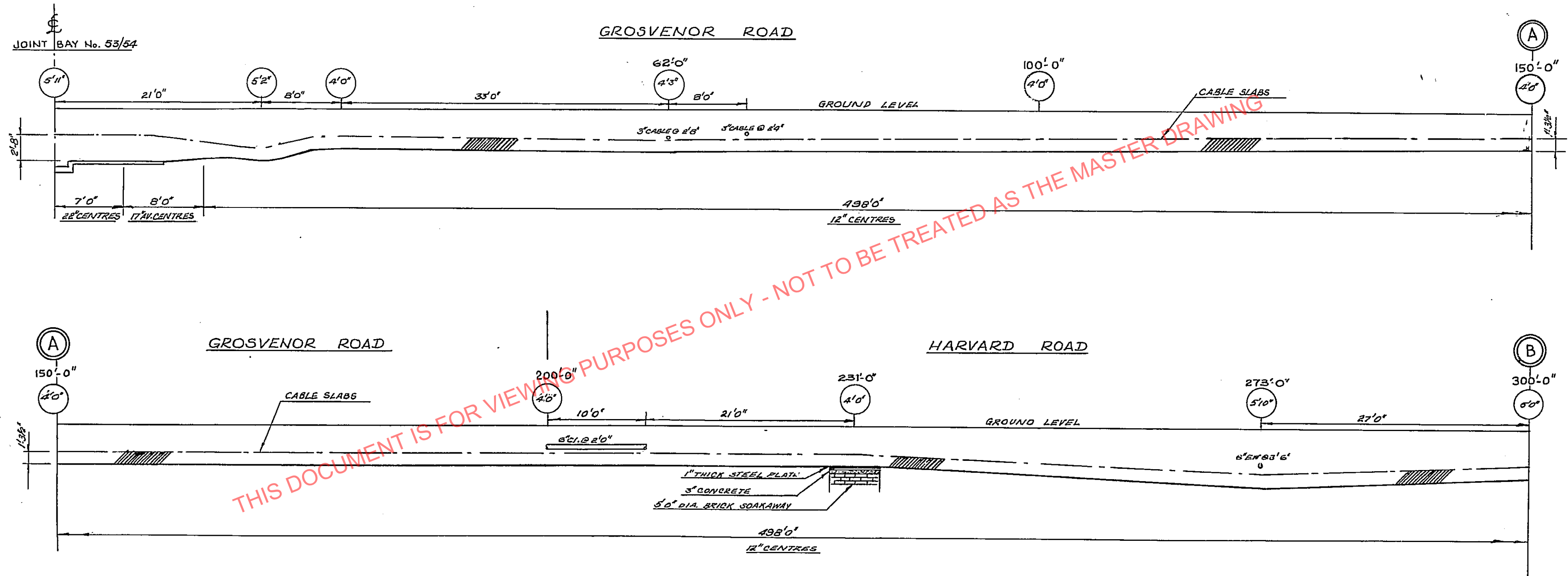


FOR PROFILE OF TRENCH SEE PAGES P203 & P204

70/2225 SHT 174

REPRODUCED FROM THE ORDNANCE SURVEY
MAP, WITH THE SANCTION OF THE
CONTROLLER OF H.M. STATIONERY OFFICE
CROWN COPYRIGHT RESERVED.
HALL HARDING LTD
1, KINGSWAY, LONDON W.C.2.

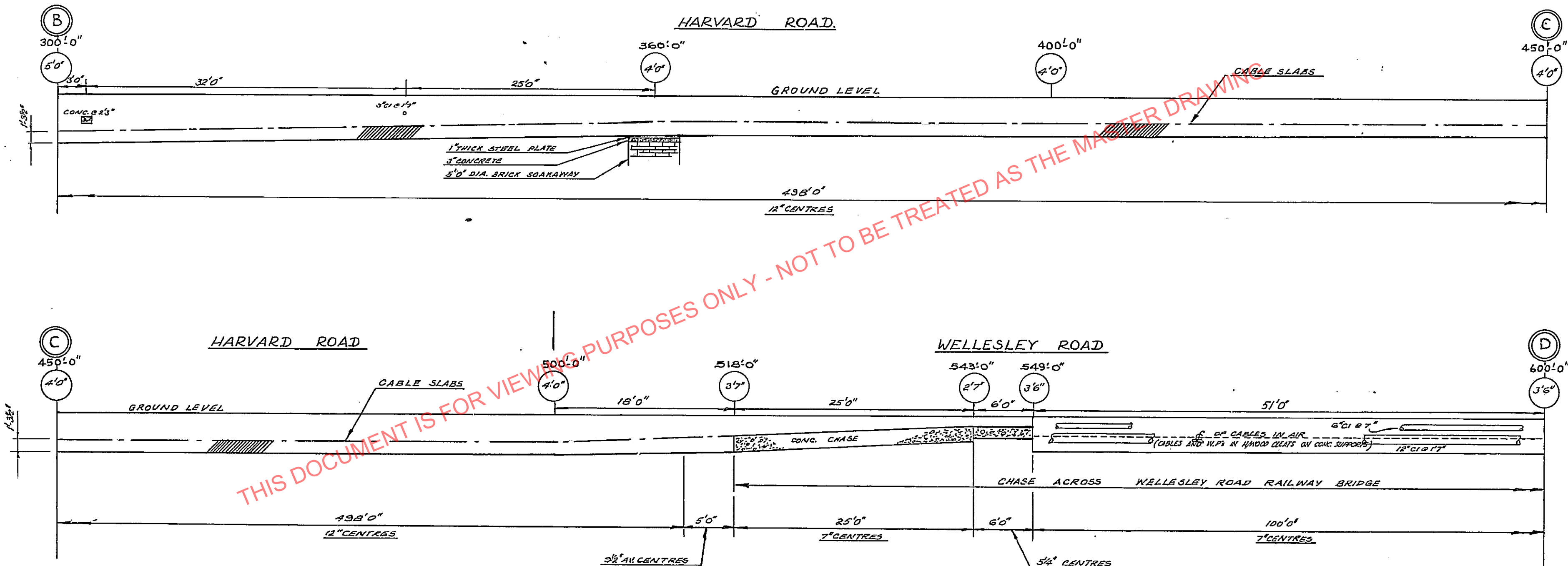




NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHIT 407

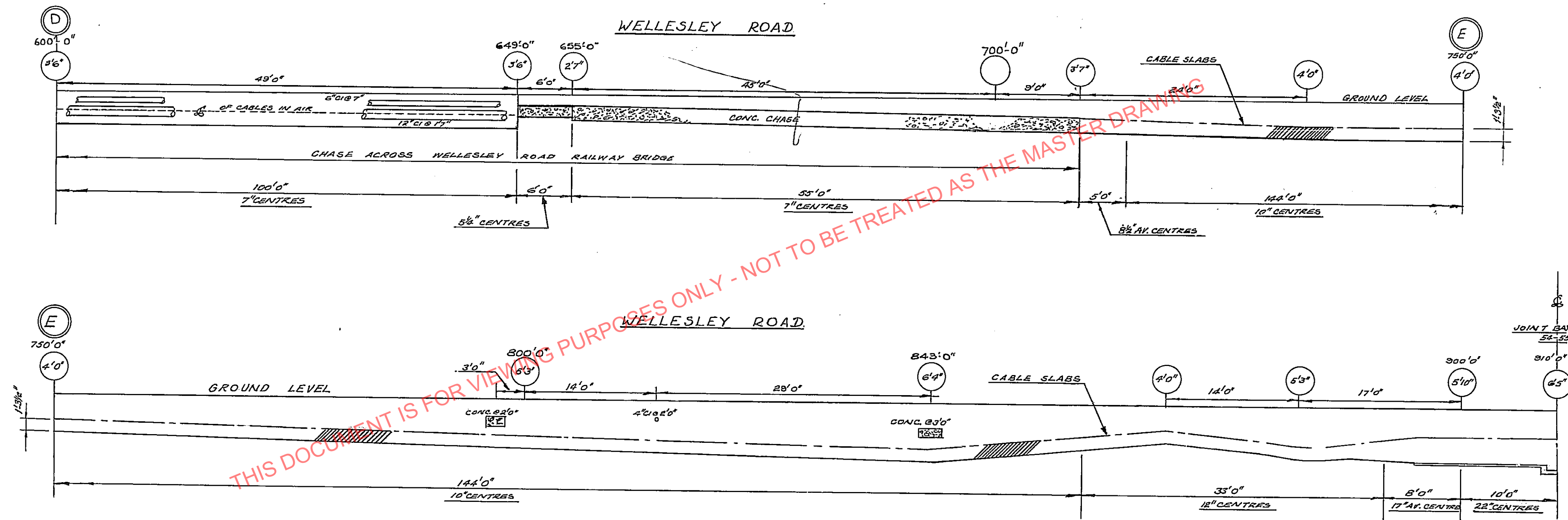
DRAWN BY: F.J.H. TRACED BY: G.W.R. CHECKED BY: CONTRACT: C.5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV. O.F. FEEDER SECTION No. 54 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. P. 204.



NOTE: DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

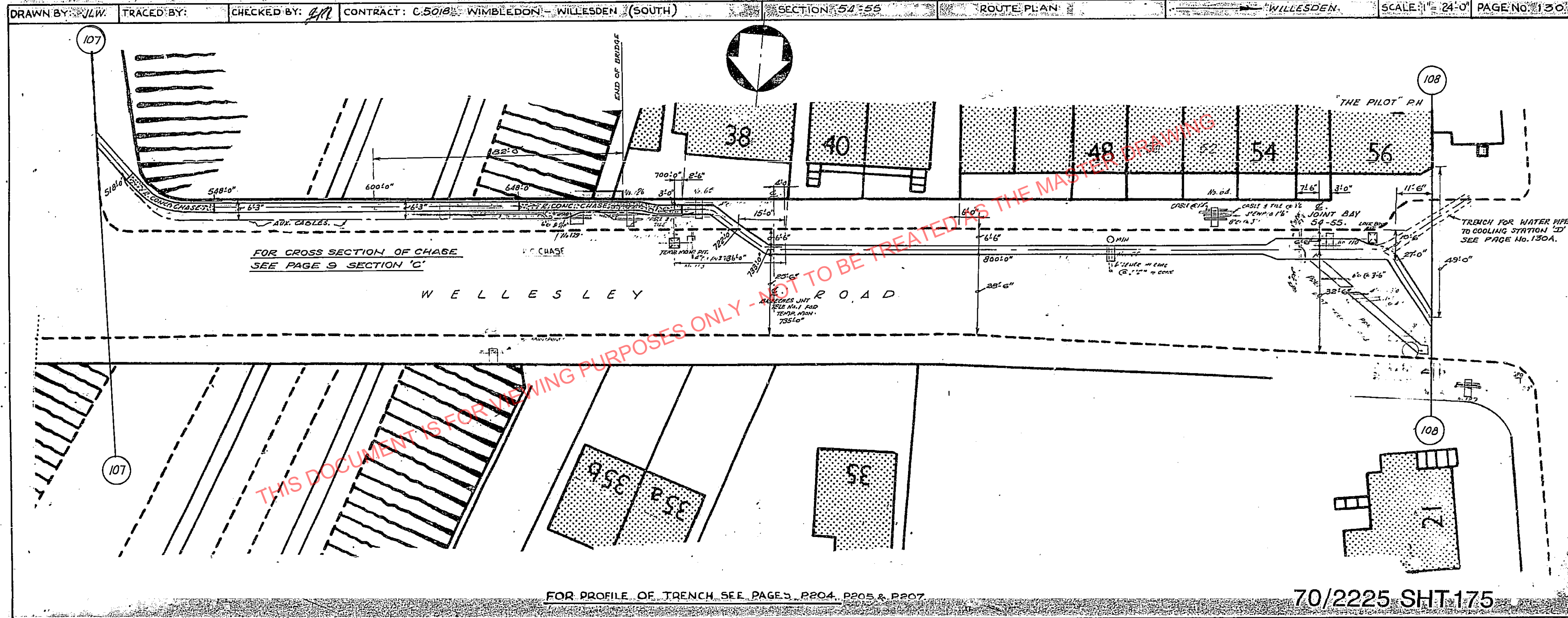
70/2225 SHT 408

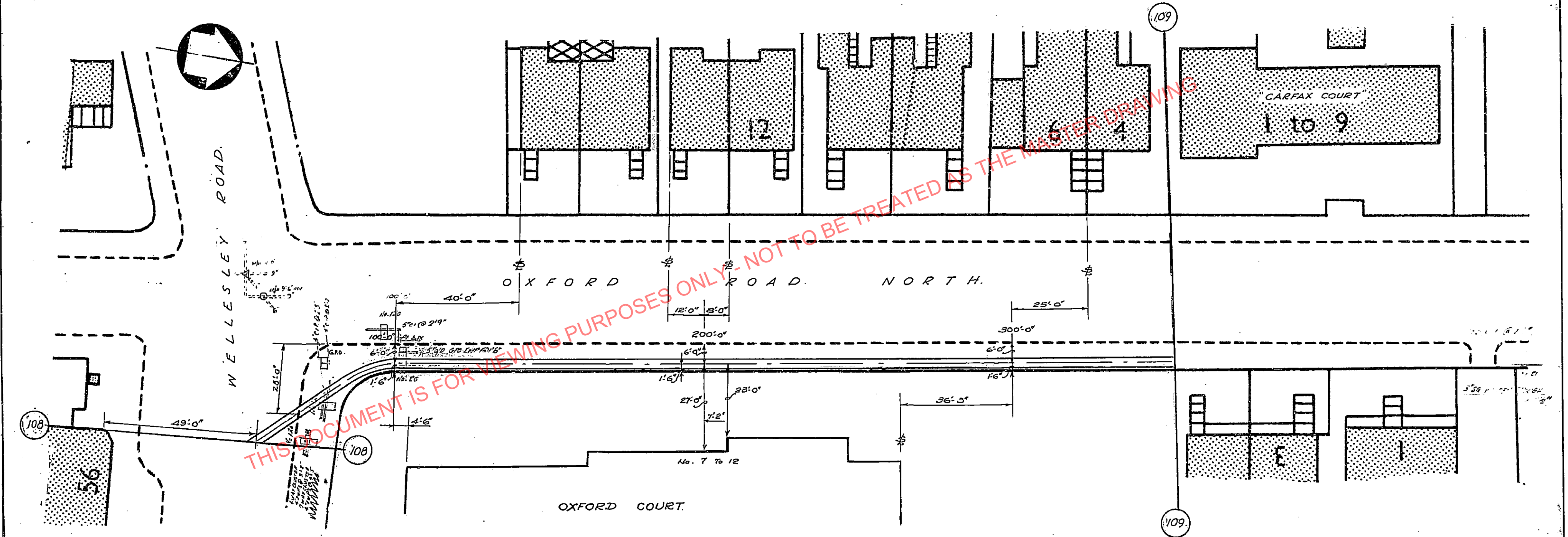
DRAWN BY: F.J.H. TRACED BY: A.W.R. CHECKED BY: CONTRACT: C 5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV O.F. FEEDER SECTION No. 54 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. P 205



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

70/2225 SHT 409

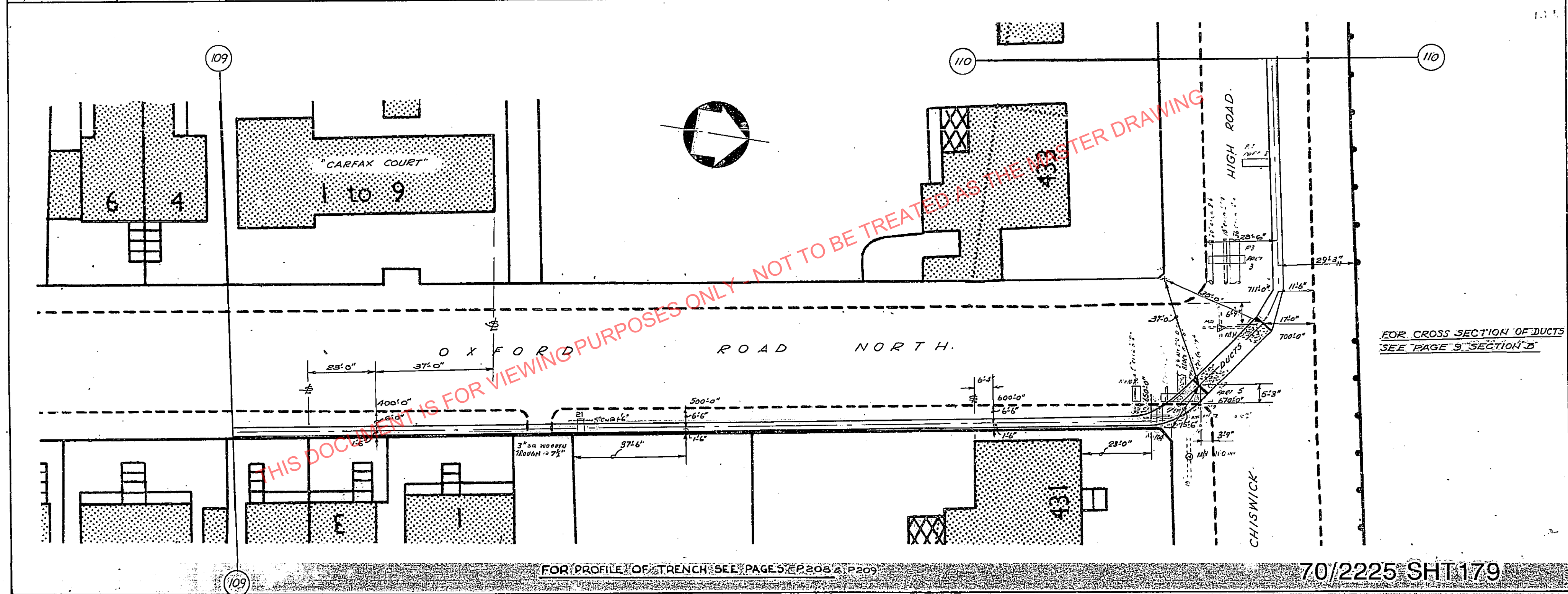




FOR PROFILE OF TRENCH SEE PAGES P207 & P208.

70/2225 SHT 178

DRAWN BY: J.L.W. TRACED BY: CHECKED BY: *[Signature]* CONTRACT: C.50/8 WIMBLEDON - WILLESSEN (SOUTH) SECTION 55 ROUTE PLAN WILLESSEN. SCALE: 1" = 24'-0" PAGE NO. 132



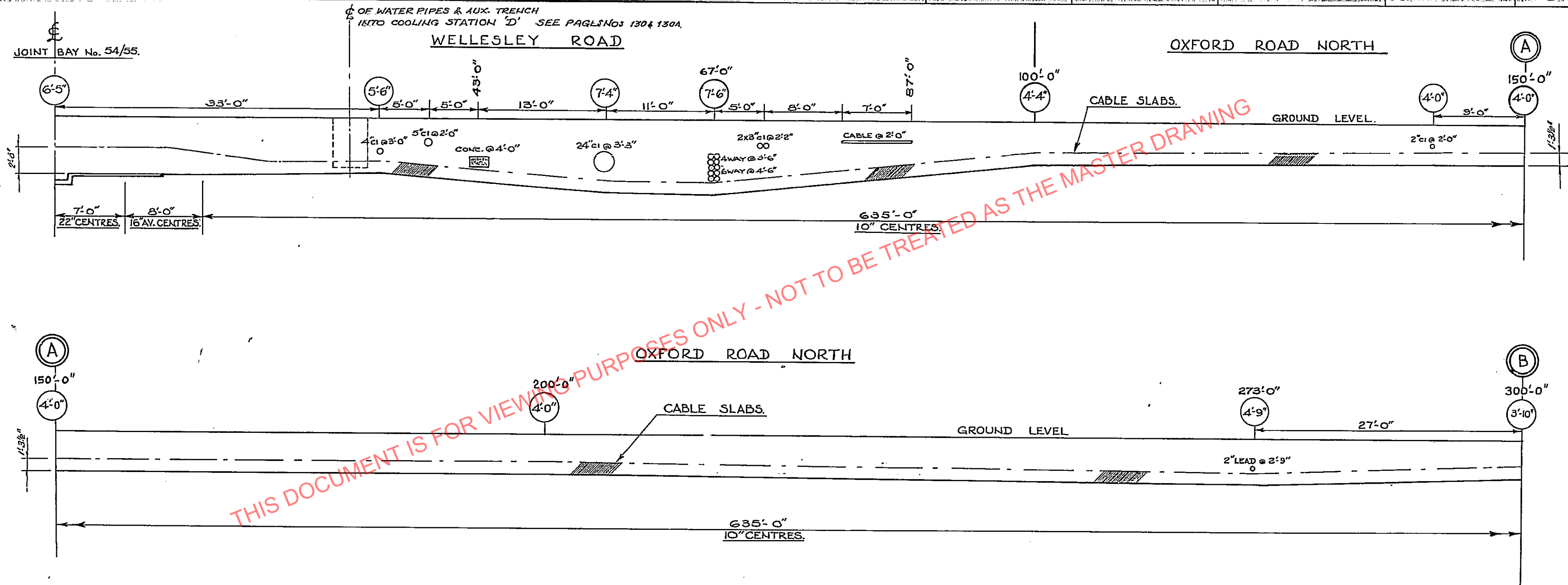
REPRODUCED FROM THE ORDINANCE SURVEY MAP, WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED. HALL HARDING LTD 1, KINGSWAY, LONDON, W.C2.

FOR PROFILE OF TRENCH SEE PAGES P208 & P209

FOR CROSS SECTION OF DUCTS SEE PAGE 9 SECTION B

70/2225 SHT 179

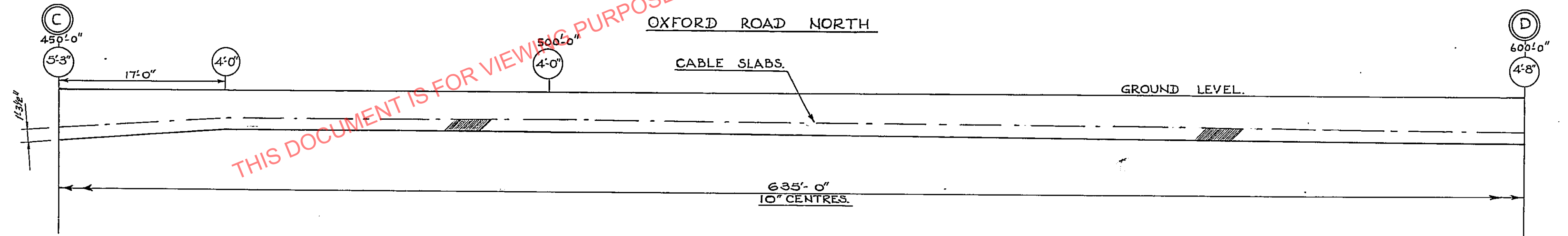
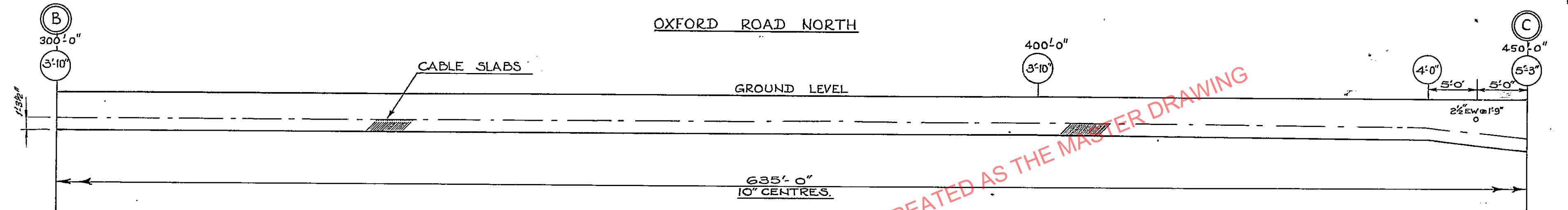
DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C 5018 WIMBLEDON-WILLESSEN (SOUTH) 275KV O.F. FEEDER SECTION No. 55 PROFILE OF ROUTE WILLESSEN SCALE: 1" = 8'-0" PAGE No. P.207



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

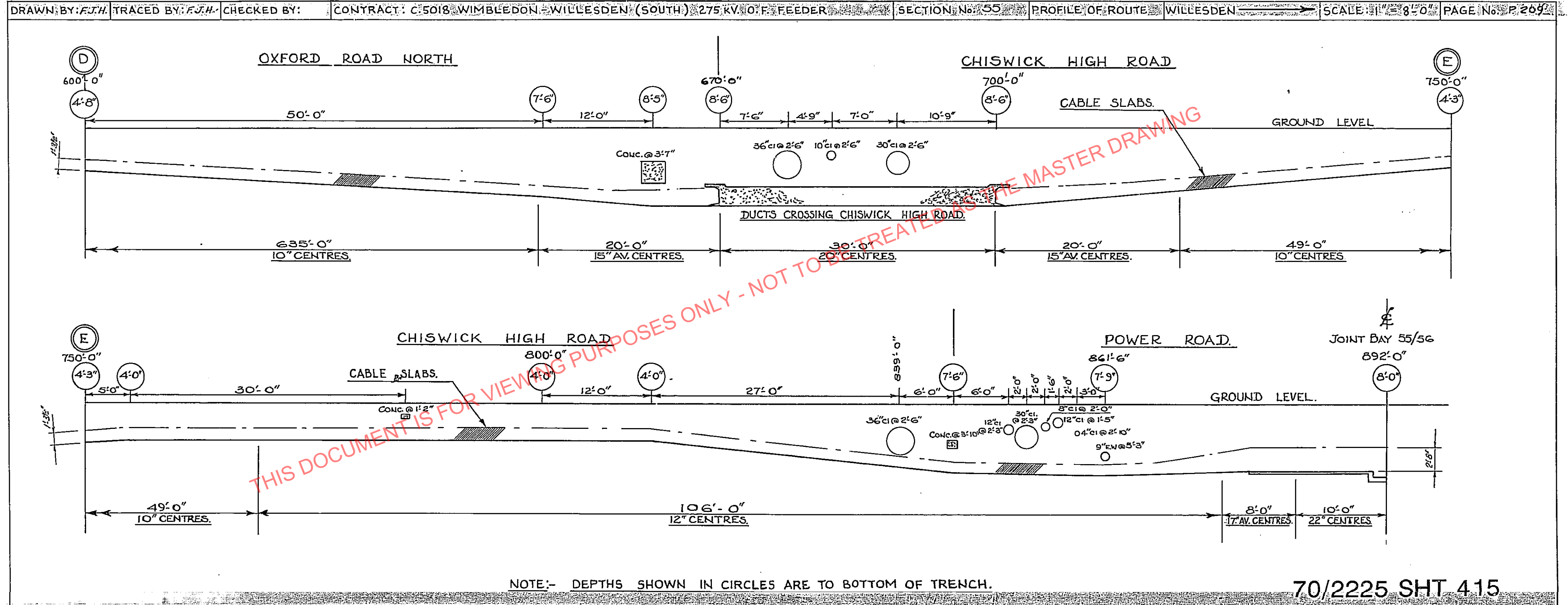
70/2225 SHT 411

DRAWN BY: A.J.H. TRACED BY: A.J.H. CHECKED BY: CONTRACT: C.5018 WIMBLEDON - WILLESSEN (SOUTH) 275 kV. O.F. FEEDER SECTION No. 55 PROFILE OF ROUTE WILLESSEN → SCALE: 1" = 8'-0" PAGE No. P.208



NOTE:- DEPTHS SHOWN IN CIRCLES ARE TO BOTTOM OF TRENCH.

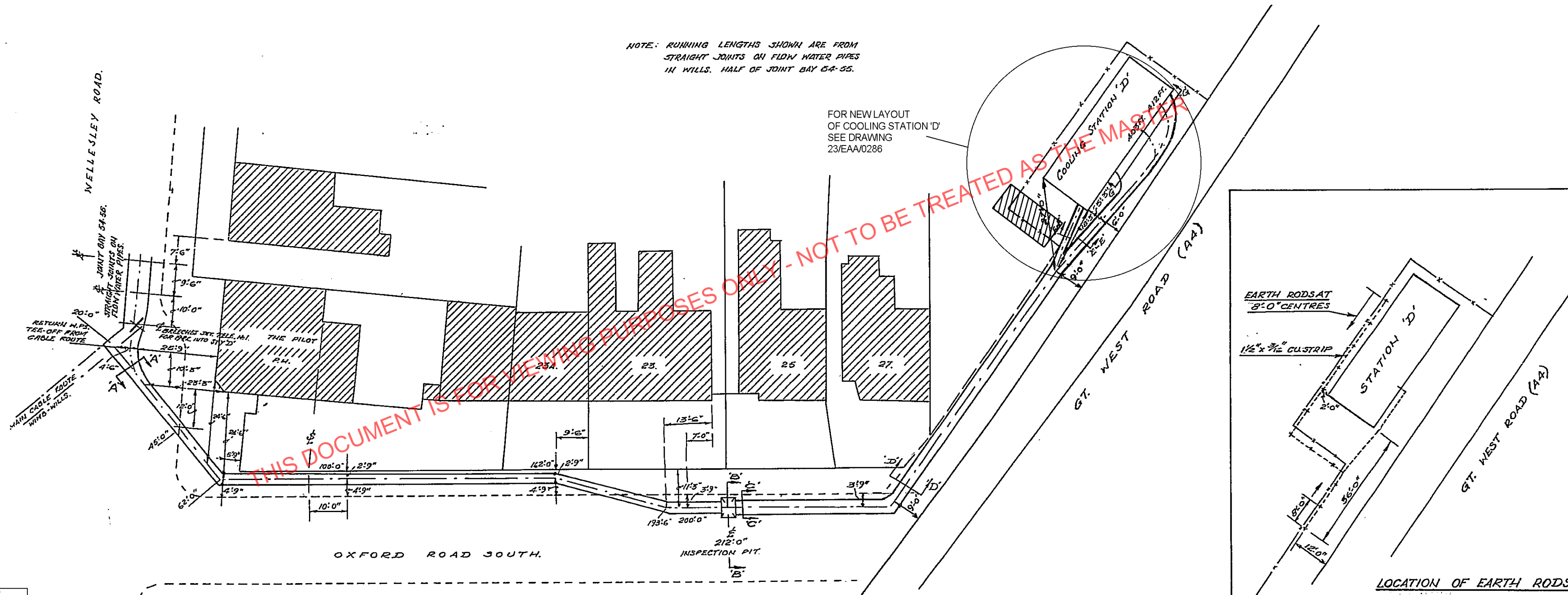
70/2225 SHT 414



THIS DOCUMENT IS FOR VIEWING PURPOSES ONLY - NOT TO BE TREATED AS THE MASTER

NOTE: RUNNING LENGTHS SHOWN ARE FROM STRAIGHT JOINTS ON FLOW WATER PIPES IN WILLS. HALF OF JOINT BAY 54-55.

FOR NEW LAYOUT
OF COOLING STATION 'D'
SEE DRAWING
23/EAA/0286

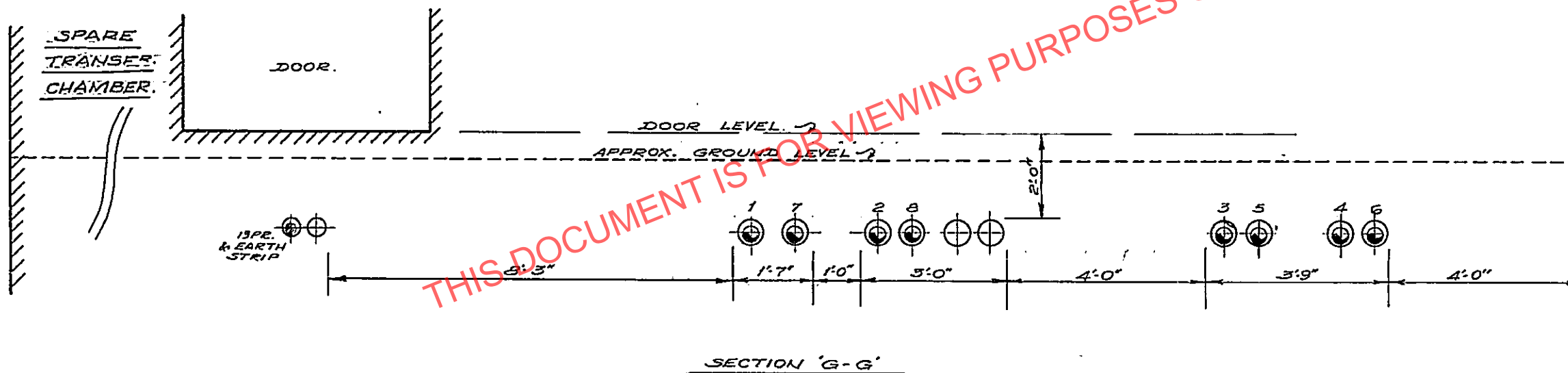
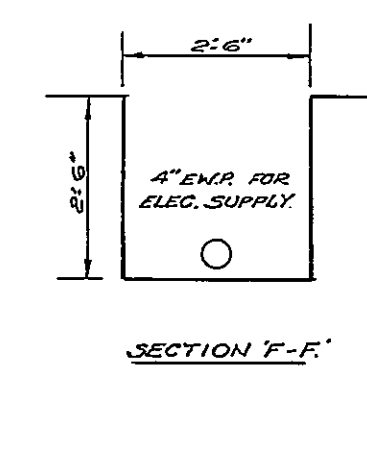
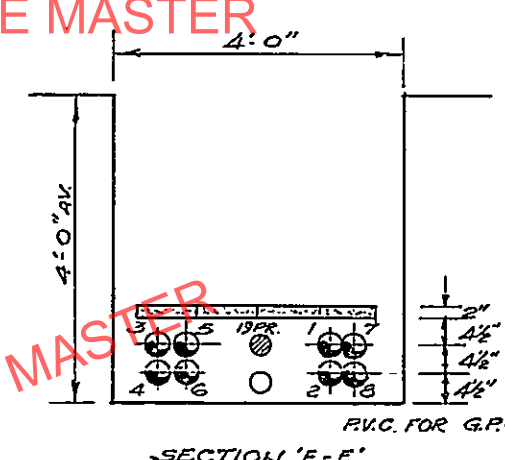
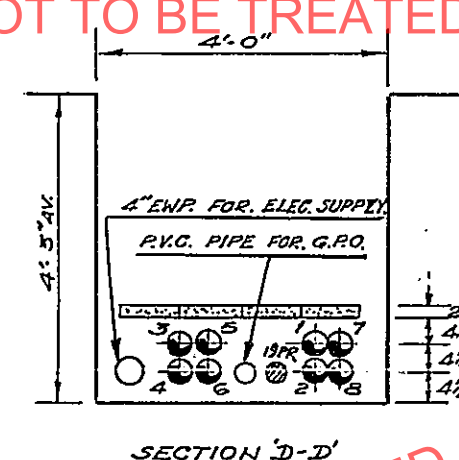
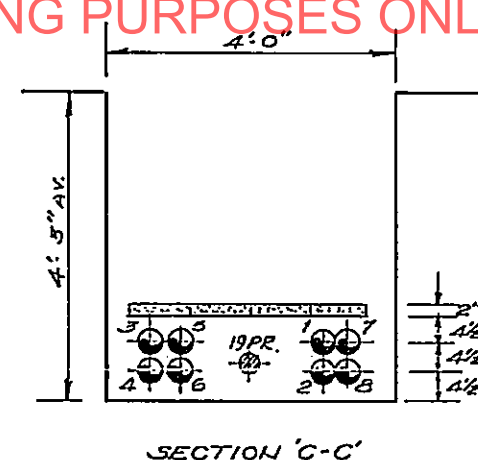
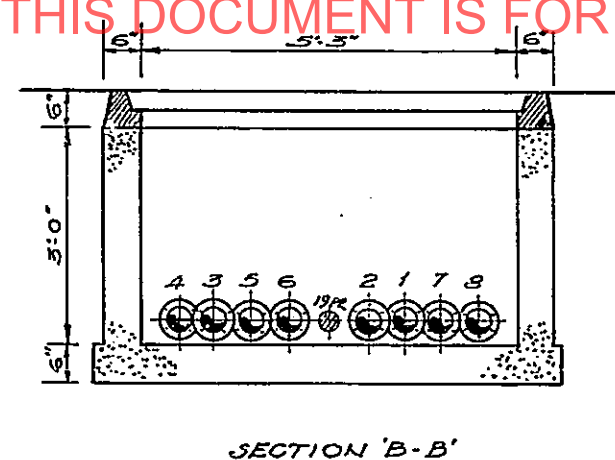
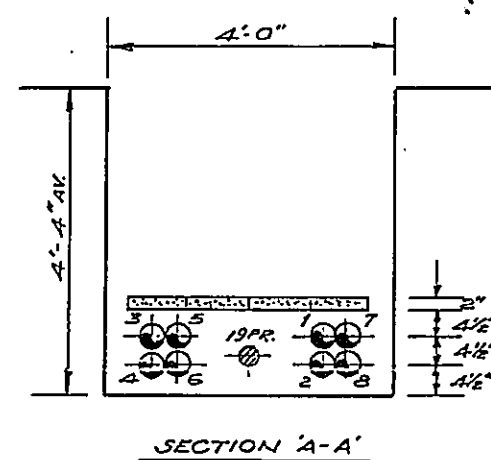


FOR PROFILE OF TRENCH SEE PAGE P207A & P207B.

A	DRN	MC	09.07.13
	CHKD	COM	09.07.13
	APPD	MZ	11.07.13

MODIFIED TO SHOW NEW
LAYOUT OF COOLING STATION.

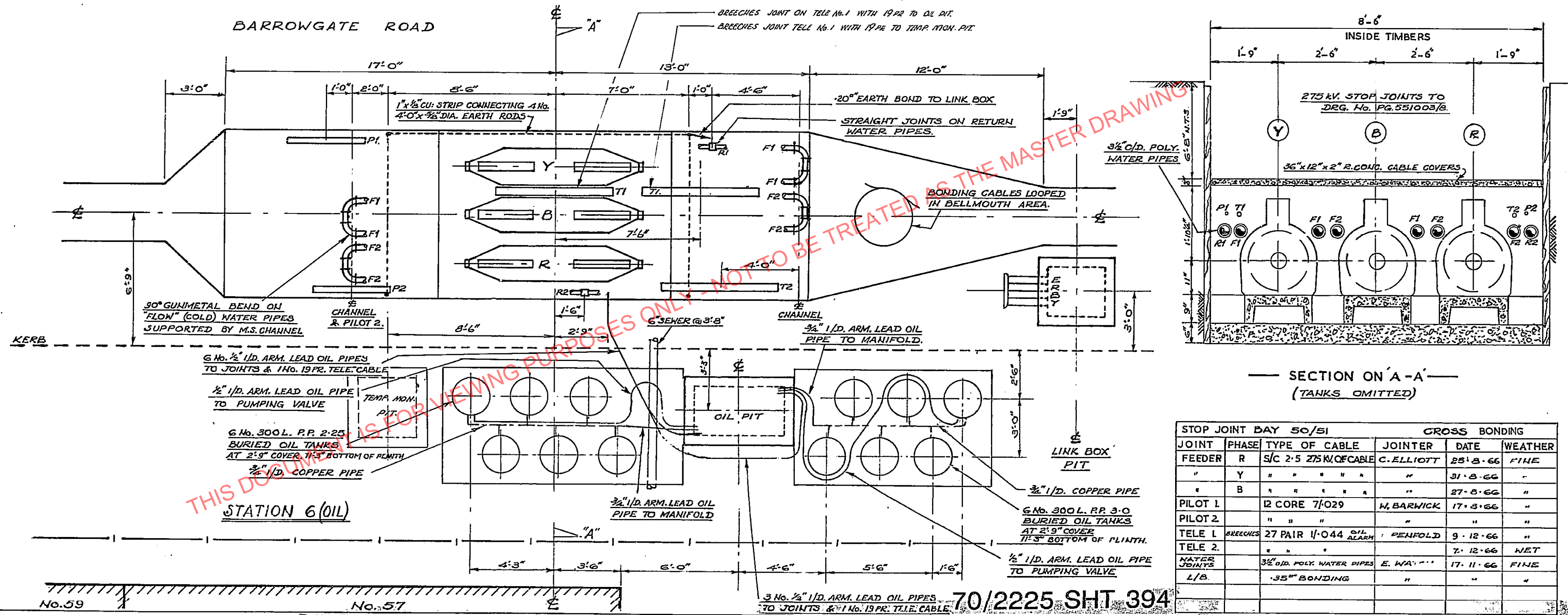
70/2225 SHT 176



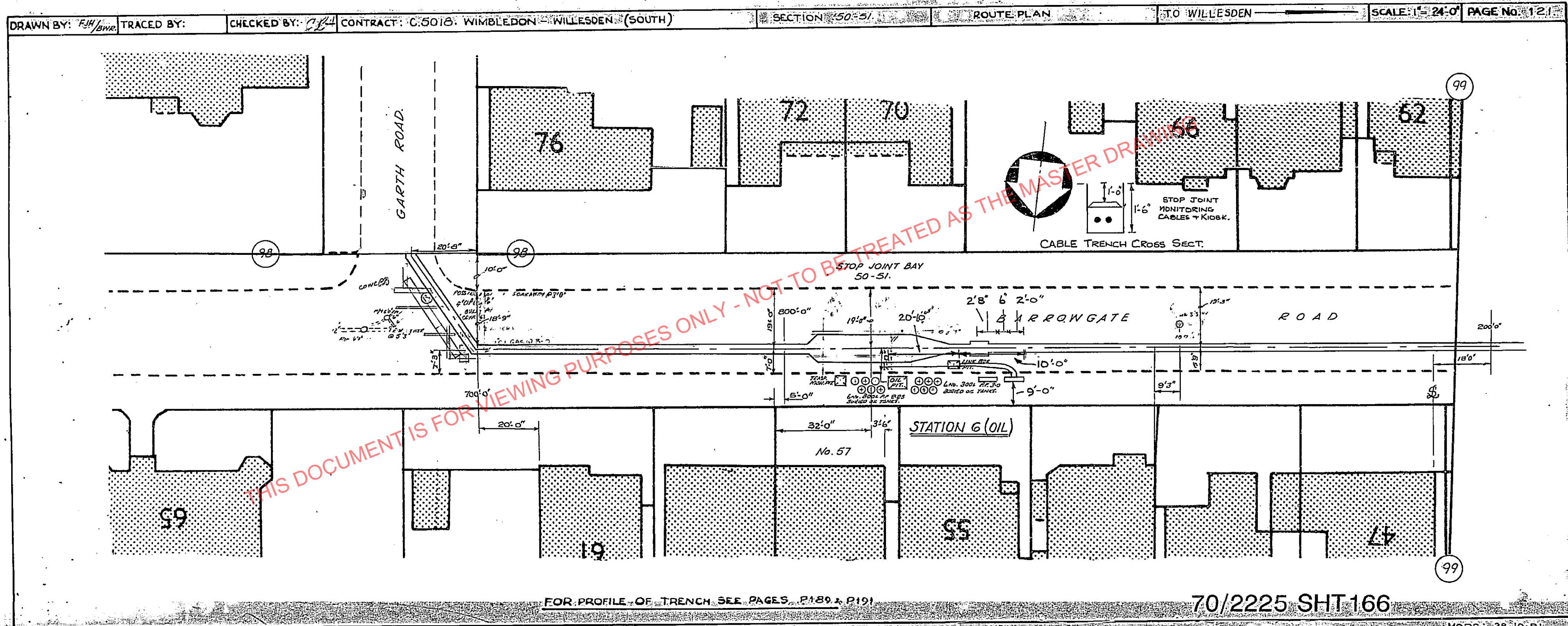
KEY TO NUMBERS:-

1. RETURN WATER PIPE FROM TURN-ROUND POINT AT GREAT CHERTSEY RD. (FDR.1)
2. RETURN WATER PIPE FROM TURN-ROUND POINT AT TUDOR WAY (FDR.1)
3. FLOW WATER PIPE TO TURN-ROUND POINT AT GREAT CHERTSEY RD. (FDR.1)
4. FLOW WATER PIPE TO TURN-ROUND POINT AT TUDOR WAY (FDR.1)
5. FLOW WATER PIPE TO TURN-ROUND POINT AT GREAT CHERTSEY RD. (FDR.2)
6. FLOW WATER PIPE TO TURN-ROUND POINT AT TUDOR WAY (FDR.2)
7. RETURN WATER PIPE TO TURN-ROUND POINT AT GREAT CHERTSEY RD. (FDR.2)
8. RETURN WATER PIPE TO TURN-ROUND POINT AT TUDOR WAY (FDR.2)

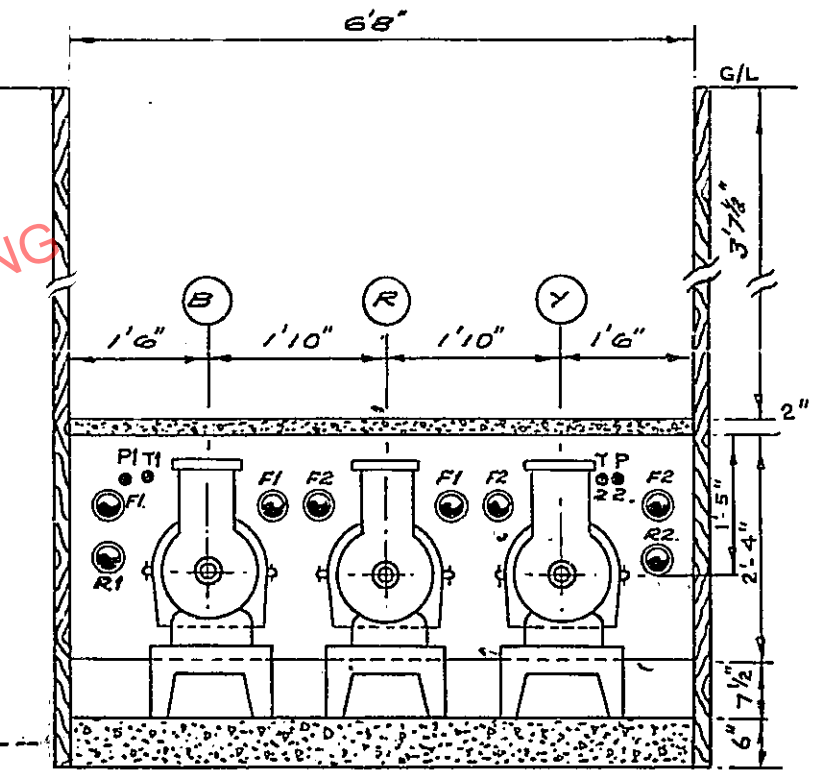
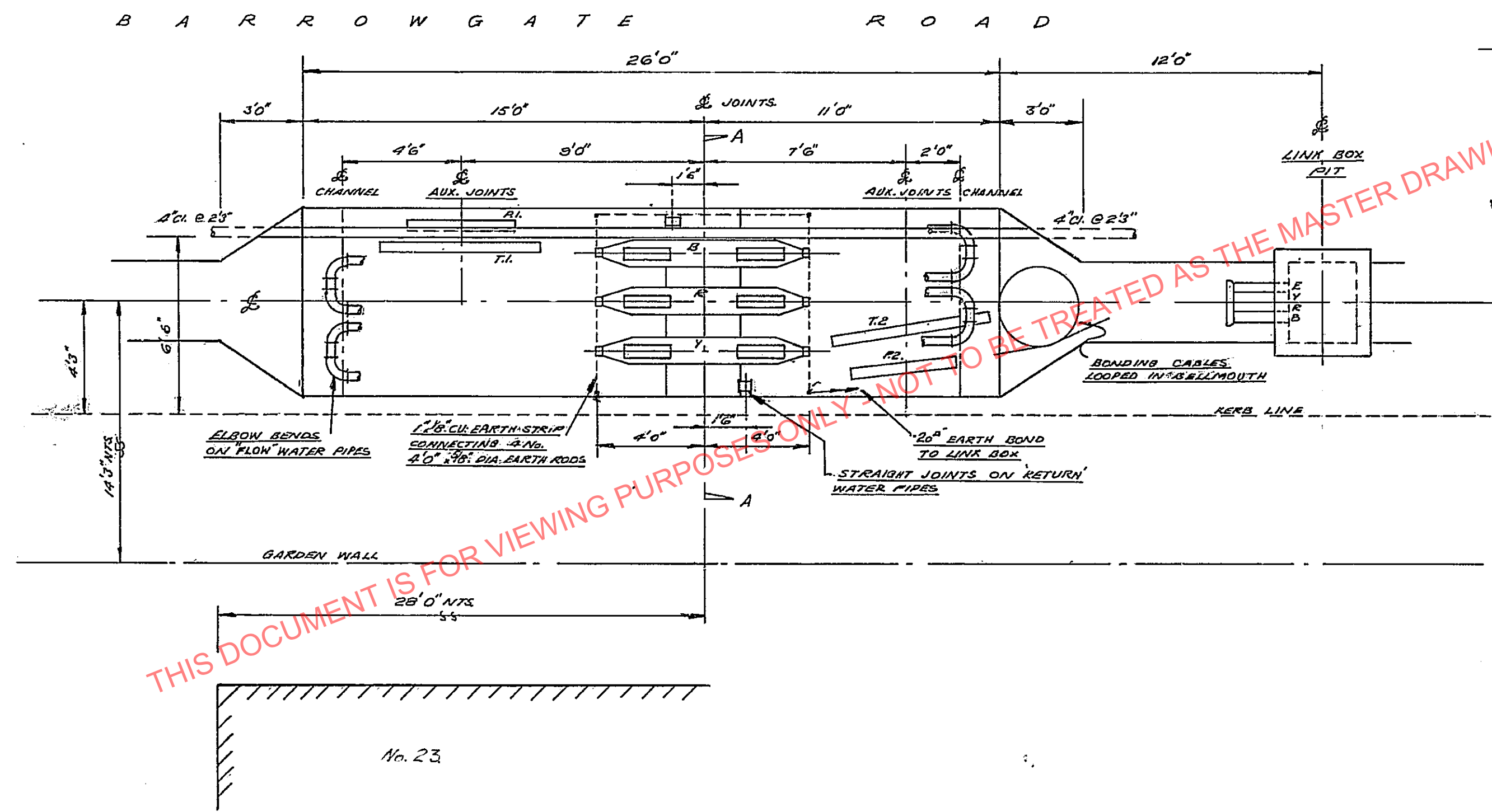
DRAWN BY: F.J.H. TRACED BY: F.J.H. CHECKED BY: CONTRACT: C 5018 WIMBLEDON - WILLESSEN (SOUTH) 275 KV. O.F. FEEDER DETAILS OF JOINT BAY No: 50/51 WILLESSEN SCALES: $\frac{1}{2}$ " & $\frac{1}{4}$ " = 1'-0" PAGE No: P. 19/51



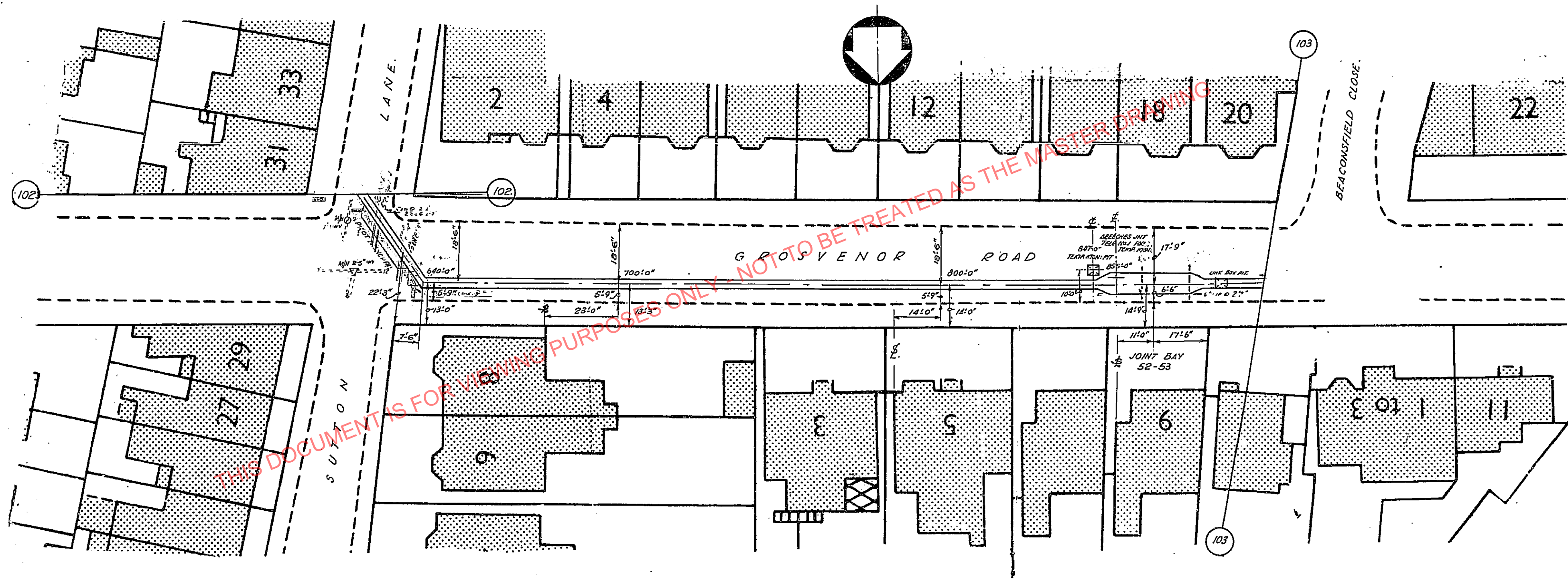
70/2225 SHT 394





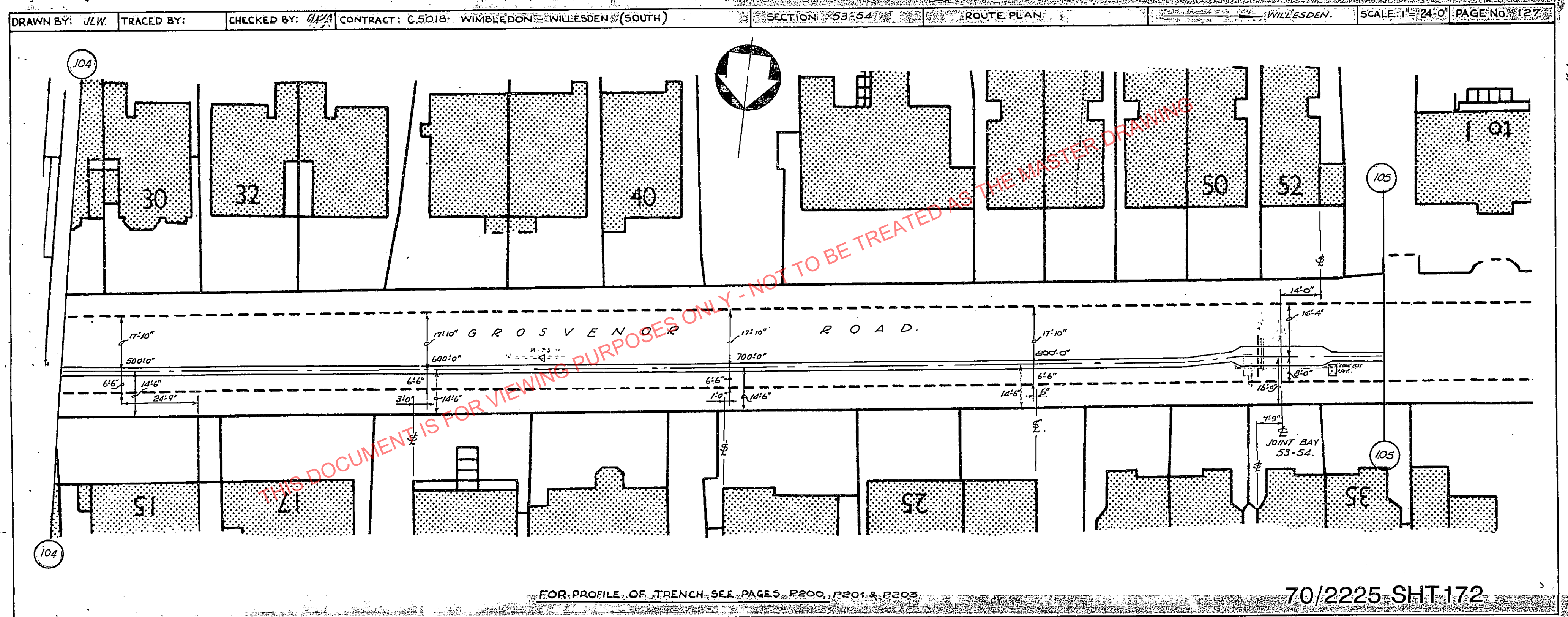


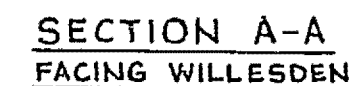
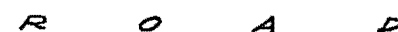
STRAIGHT JOINT 5/-52			CROSS BONDING		
JOINT	PHASE	TYPE OF CABLE	JOINER	DATE	WEATHER
FEEDER	R	S/C 2.5" 275KV. O.F. CABLE	C. ELLIOT	10.6.66	FINE
"	Y	" " " "	"	8.6.66	"
"	B	" " " "	"	14.6.66	"
PILOT 1.		12 CORE 7/0.029"	A. PENFOLD	7.7.66	WET.
PILOT 2.		" " "	E. WATCH	6.7.66	"
TELE. 1.		27 PAIR 1/0.044"	A. PENFOLD	7.7.66	"
TELE. 2.		" " "	E. WATCH	6.7.66	"
RETURN 1.		3 1/2" o/d POLY WATER PIPES	"	2.7.66	FINE
" 2.		" " "	"	"	"
FLOW 1.		" " "	"	"	"
" 2.		" " "	"	"	"
LINK BOX		35" BONDING	W. BARNWICK	14.8.66	"



FOR PROFILE OF TRENCH SEE PAGES P197 & P198

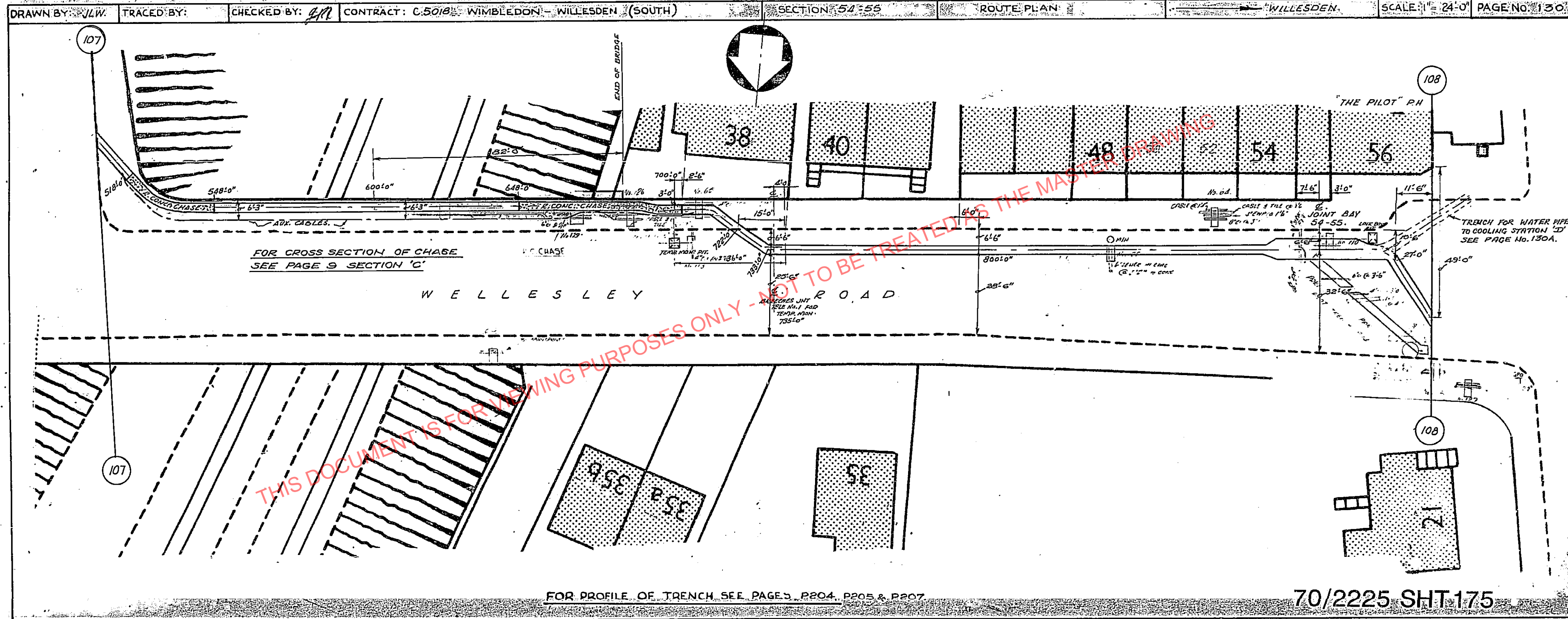
70/2225 SHT 170





70/2225 SHT 410

JOINTS REFURBISHED, AND POSITION
OF YELLOW PHASE JOINT ALTERED
PRYSMIAN REF: 1LNE-2452



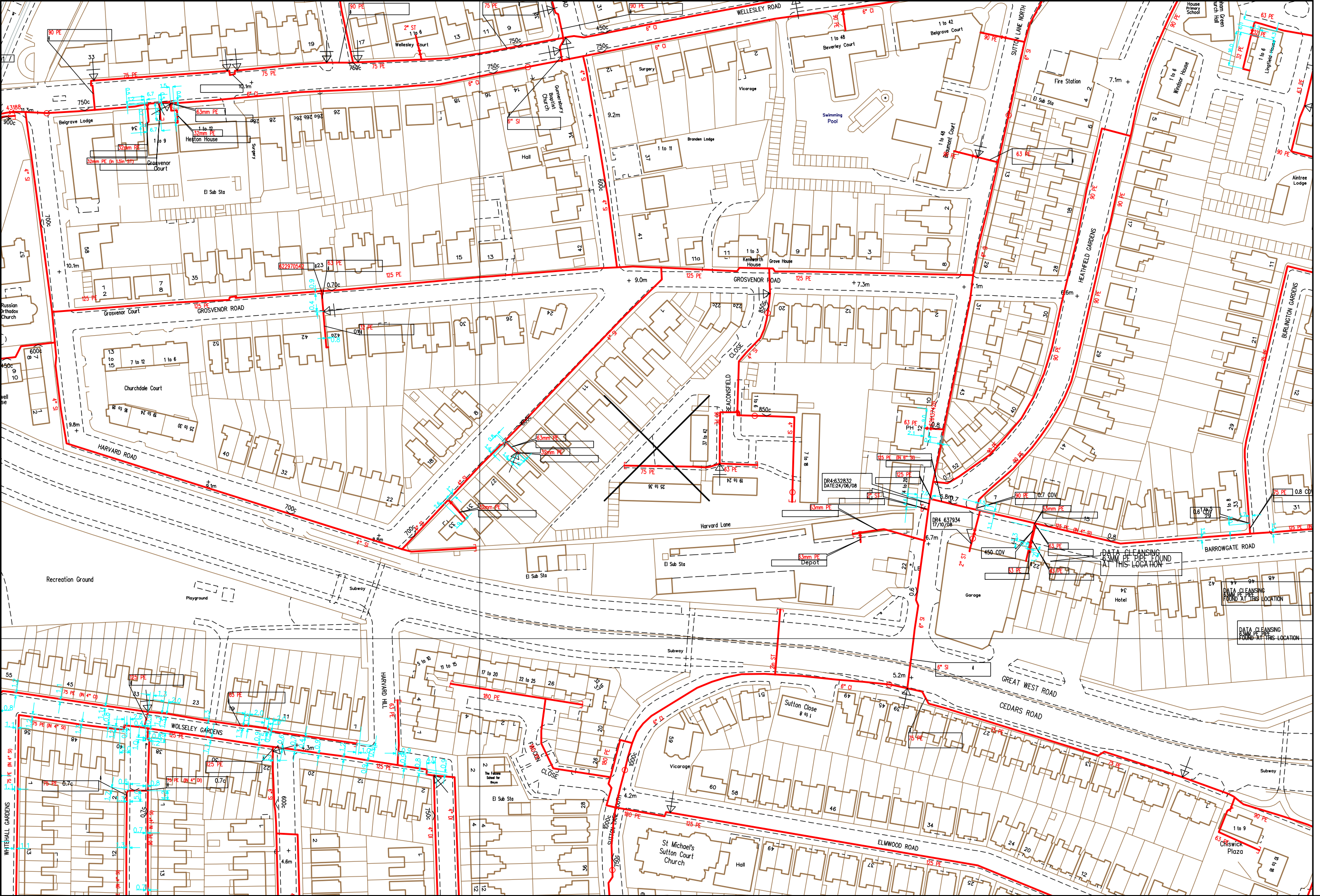
Utilities Report



Affected Utilities

Cadent Gas Ltd





SCALE: Not to scale

USER ID: LHAR9040

DATE: 16/09/2019

EXTRACT DATE: 10/06/2019

MAP REF: TQ2078

CENTRE: 520081, 178087

LP MAINS

MP MAINS

IP MAINS

LHP MAINS

NHP MAINS

Valve

Depth of Cover

Syphon

Diameter Change

Material Change

This plan shows those pipes owned by National Grid Gas plc in their 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 National Grid Gas 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 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. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.



MAPS Viewer Version 5.6.7.0

Local Machine

This plan is reproduced from or based on the OS map by National Grid Gas plc, with the sanction of the controller of HM Stationary Office. Crown Copyright Reserved.

Utilities Report



Affected Utilities

Environment Agency

From: Enquiries, Unit <enquiries@environment-agency.gov.uk>
Sent: 06 September 2019 19:00
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

To whom it may concern,

You may need an environmental permit if you intend to carry out work in, under, over or near to a main river flood or sea defence. You can find more information about this at:

<https://www.gov.uk/guidance/flood-risk-activities-environmental-permits>

Although the Environment Agency is classed as a statutory undertaker for certain purposes, we do not generally have plant equipment or pipelines situated in the public highway.

We have drafted this reply without conducting a specific search of our records. We ask that you make the necessary checks and if you have reason to think that your proposal will affect land or equipment which we own or is close to a watercourse as defined above, please resubmit your enquiry making this clear in your reply.

Best Regards

Jonathan

From: requests.utilitysolutions@atkinsglobal.com [mailto:requests.utilitysolutions@atkinsglobal.com]
Sent: 05 September 2019 07:06
Cc: requests.utilitysolutions@atkinsglobal.com
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick
Works Description: Development Appraisal
Site Grid References: 520083 178088,520136 178129,520022 178042,520106 178134

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the [entire site area shown within the boundary on the attached map](#). Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

It would be greatly appreciated if you could respond to this enquiry by 23/09/2019. Your prompt response will assist with our clients proposals in your interests of plant protection.

If you have any queries in relation to this plant enquiry please do not hesitate to contact us.

Kind regards,

ATKINS - Utility Solutions

Standard notice [not for use with Special Data, Personal Data or unlicensed 3rd party rights]



Information warning

We (The Environment Agency) do not promise that the Information supplied to You will always be accurate, free from viruses and other malicious or damaging code (if electronic), complete or up to date or that the Information will provide any particular facilities or functions or be suitable for any particular purpose. You must ensure that the Information meets your needs and are entirely responsible for the consequences of using the Information. Please also note any specific information warning or guidance supplied to you.




Permitted use

- The Information is protected by intellectual property rights and whilst you have certain statutory rights which include the right to read the Information, you are granted no additional use rights whatsoever unless you agree to the licence set out below.
- Commercial use of anything except EA OpenData is subject to payment of a £50 licence fee (+VAT) for each person seeking the benefit of the licence, except for use as an Environment Agency contractor or for approved media use.
- To activate this licence you do not need to contact us (unless you need to pay us a Commercial licence fee) but if you make any use in excess of your statutory rights you are deemed to accept the terms below.





Licence

We grant you a worldwide, royalty-free (apart from the £50 licence fee for commercial use), perpetual, non-exclusive licence to use the Information subject to the conditions below.

You are free to:

-  copy, publish, distribute and transmit the Information
-  adapt the Information
-  exploit the Information commercially, for example, by combining it with other Information, or by including it in your own product or application

You must (where you do any of the above):

-  acknowledge the source of the Information by including the following attribution statement:
"*Contains Environment Agency information © Environment Agency and database right*"
-  ensure that you do not use the Information in a way that suggests any official status or that We endorse you or your use of the Information
-  ensure that you do not mislead others or misrepresent the Information or its source or use the Information in a way that is detrimental to the environment, including the risk of reduced future enhancement
-  ensure that your use of the Information does not breach the Data Protection Act 1998 or the Privacy and Electronic Communications (EC Directive) Regulations 2003

These are important conditions and if you fail to comply with them the rights granted to you under this licence, or any similar licence granted by us will end automatically.

No warranty

The Information is licensed 'as is' and We exclude all representations, warranties, obligations and liabilities in relation to the Information to the maximum extent permitted by law. We are not liable for any errors or omissions in the Information and shall not be liable for any loss, injury or damage of any kind caused by its use. We do not guarantee the continued supply of the Information.

Governing Law

This licence is governed by the laws of England and Wales.

Definitions

"Information" means the information that is protected by copyright or by database right (for example, literary and artistic works, content, data and source code) offered for use under the terms of this licence.

"Commercial" means:

- offering a product or service containing the Information, or any adaptation of it, for a charge, or
- internal use for any purpose, or offering a product or service based on the Information for indirect commercial advantage, by an organisation that is primarily engaged in trade, commerce or a profession.

Utilities Report



Affected Utilities

euNetworks

CHECKED

Murthy, Srinivasa

From: plantenquiries@psgservices.co.uk
Sent: 05 September 2019 16:25
To: Utility Solutions GDC Requests
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019
Attachments: Beaconsfield Close W4 4EL.xlsx; 79185-Map.pdf

Follow Up Flag: Follow up
Due By: 20 September 2019 00:00
Flag Status: Flagged

To Whom It May Concern:

Thank you for your recent enquiry regarding your proposed works at the above location.

It appears, from your proposals, that alterations to euNetworks Fiber UK Limited apparatus will be necessary.

We have enclosed a copy of our records showing the approximate locations of euNetworks apparatus, which will be affected by the development and would require to be relocated to accommodate your proposed works. +

You will be aware that you have a duty to ensure that this equipment sustains no damage as a result of your proposed works. Please note that this apparatus may contain Fibre Optics and, as such, special care must be taken when excavating this area.

Prior to any works involving euNetworks apparatus being undertaken, we must agree new locations/Diverse Routes for our equipment, Specification of Works and prepare a Detailed Estimate of associated costs. The costs incurred in producing this information are recoverable and for this scheme will be £500.00 excluding VAT.

This Payment is required in advance and the charge applies whether or not your works proceed. Your cheque, made payable to "euNetworks Fiber UK Limited" for the amount quoted above, should be forwarded to our Plant Enquiries Team at the postal address shown below.

This information is only valid for a period of 3 months so, if your start date is 3 months or more from the date of this letter, please re-apply for updated information to the generic email address:
plantenquiries@psgservices.co.uk

Kind regards

ALL PLANT ENQUIRIES AND DIVERSIONARY REQUESTS SHOULD BE ADDRESSED BY EMAIL TO THE OPERATIONS TEAM AT plantenquiries@psgservices.co.uk , WITH A PLAN AND FULL POSTAL ADDRESS OF YOUR ENQUIRY, THANK YOU



For and on behalf of euNetwork Fiber UK Limited

Thanks

Vivien Hart

T 01772 514453 | E plantenquiries@psgservices.co.uk

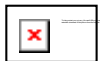


Telecommunications Survey, Planning, Engineering & GIS Services

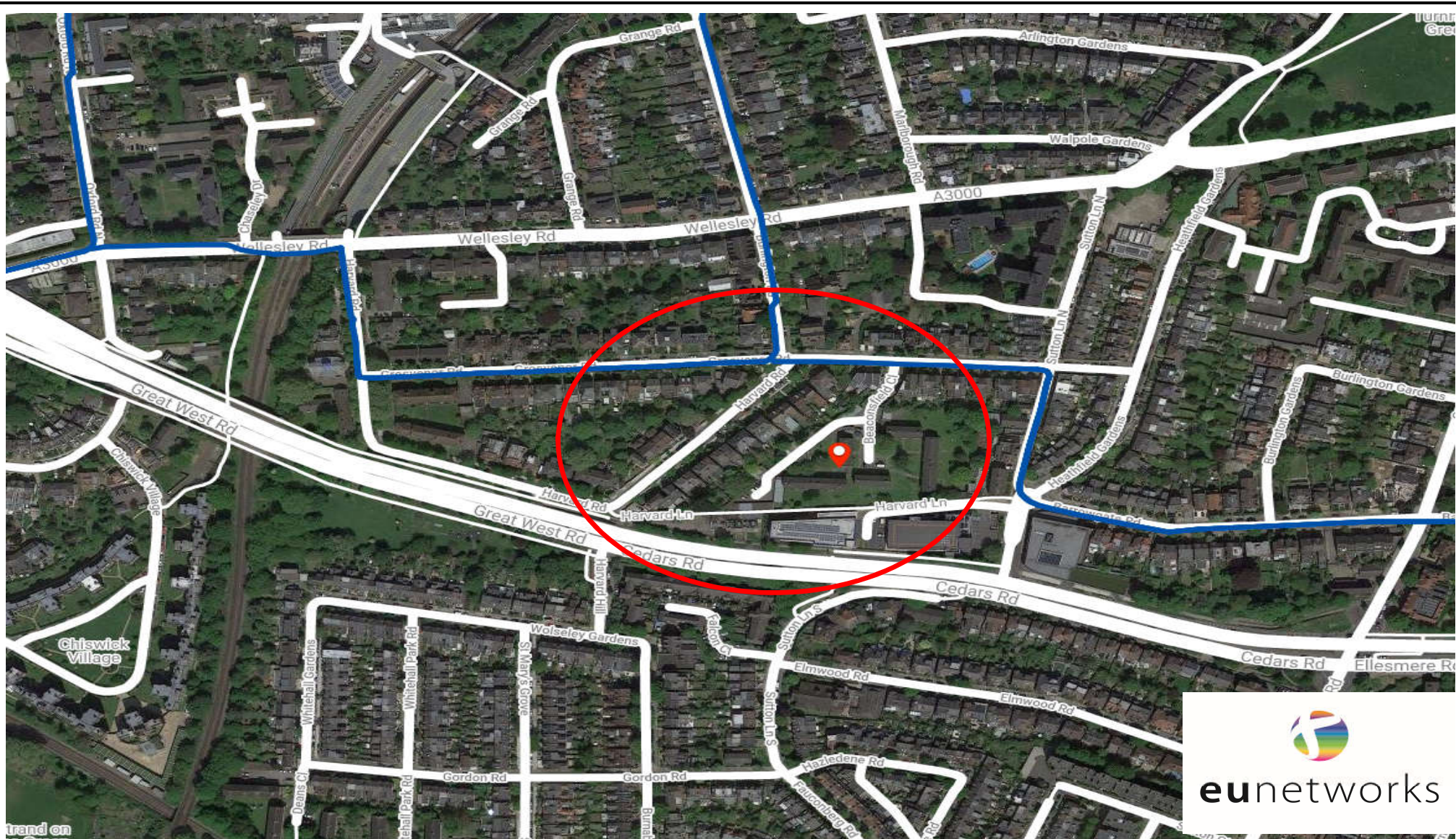
Information contained in this e-mail and any files or documents transmitted with it are confidential. They are solely for the use of the individual or entity to whom they are addressed and contain legally privileged information. You must not copy, reproduce, print, forward or disclose their contents to any other person. If you are not the intended recipient, please notify the sender immediately and delete from your computer. Any views or opinions presented are solely those of the author and do not necessarily represent those of PSG Services Ltd.

Although this e-mail and any attachments are believed to be free of any virus or other defects which might affect any computer or IT systems into which they are received, no responsibility is accepted by PSG Services Limited for any loss or damage arising in any way from the receipt or use thereof.

=====



Virus-free. www.avg.com



Location of Enquiry:		Office Of Origin 1st November 2011	
Beaconfield Close W4 4EL		15 Worship Street, London, EC2A 2DT	
Date issued:		Number of Sheets	Sheet Num.
04/09/2019		1	1
		Drawing Number	Scale
		1	NTS

Information shown on this plan is for indication only. No warranty is made as to its accuracy. This plan must not solely be relied upon in the event of excavation or other works carried out in the vicinity of euNetworks plant. The actual position of underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used.

No liability of any kind whatsoever is accepted by euNetworks, its servants or agents for any omissions or inaccuracies in respect of this plan nor for any loss or damage howsoever arising and of whatever nature incurred, in the use of this plan or any reliance on any information contained on it. This information is valid for the date printed.

Utilities Report



Affected Utilities

Instalcom - [CenturyLink, Global Crossing, Fibernet & Fiberspan]

From: Plantenquiries <Plantenquiries@instalcom.co.uk>
Sent: 11 September 2019 15:35
To: Utility Solutions GDC Requests
Subject: E09-19-2121 RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019
Attachments: 79185 - Beaconsfield Close, Chiswick.pdf; Guide To Excavation.pdf

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

CHECKED

Dear Sir or Madam,

With reference to your enquiry regarding the above noted location, we enclose the drawing(s) indicating the approximate position of services in this area.

We would draw your attention to the fact that while the position of the plant has been shown as accurately as possible, the information is intended as a general guide only and must not be relied upon in the event of any excavations or other work in the vicinity. **We would remind you that the onus remains on you to determine the exact position for example by a hand excavated trial hole.** Instalcom accepts no liability for claims arising from any inaccuracy, omissions or errors contained herein. If you would like to query the location further, please email us accordingly and we can arrange an in depth survey, which will be charged at a cost. Enclosed is a guide to excavation works around existing plant.

Instalcom responds to plant enquiries for CenturyLink Communications UK Limited (formerly Level 3), GLOBAL CROSSING (UK) LTD, GLOBAL CROSSING PEC and FIBERNET UK LTD and FIBRESPAN LTD simultaneously and therefore you only need send one copy of a plant enquiry to cover all of these companies.

Please note that this response is only valid for 3 months. If your works do not commence within this time period, please resubmit your plant enquiry for assessment before any works commence.

If you require any further information, please do not hesitate to contact us.

Regards

Plant Enquiries Dept
Instalcom Limited
Borehamwood Ind. Park
Rowley Lane
Borehamwood
WD6 5PZ

Office: +44 (0)208 731 4613
Fax: +44 (0)208 731 4601
Email: plantenquiries@instalcom.co.uk
Web: <http://www.instalcom.co.uk>





SPECIAL REQUIREMENTS IN RELATION TO CENTURYLINK PLANT

1. In this special requirement, the following terms shall have the meanings assigned to it:-
 - a. "Company" means CenturyLink.
 - b. "Company Representative" means the staff of CenturyLink or its Authorized Representatives and Agents.
 - c. "Apparatus" means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned leased or rented by CenturyLink.
2. Before commencing any work or moving heavy plant or equipment over any portion of the site, the contractor shall confirm details of the Apparatus, owned, leased or rented by the Company, within the site with the Company Representative, who can be contacted at the following point: -

Instalcom Limited
Borehamwood Industrial Park
Rowley Lane
Borehamwood
Hertfordshire
WD6 5PZ
Tel: 0208 731 4600
Fax: 0208 731 4601
E-mail: plantenquiries@instalcom.co.uk

3. Where such details show that the works or the movement of plant or equipment may endanger the Apparatus of the Company the Contractor must give the Company Representative at least 7 days written notice of the date on which it is intended to commence such works or the movement of plant and equipment in order that the presence of any sub-surface apparatus can be indicated by markers to be supplied by the Company and placed by the Contractor under the supervision of a Company Representative. The Contractor shall ensure that all Company Apparatus, particularly surface running cabling is adequately protected from damage and such protective measures shall be approved by the Company Representative.
4. In the event of a Company marker being disturbed for any reason, it shall not be replaced other than in the exact position of its former depth unless the repositioning is carried out at the direction and under the supervision of a Company Representative.
5. The Contractor shall take particular care in relation to the protection of Company Apparatus, where such Apparatus includes the presence within the site of optical fibre cabling. The contractor should particularly note that the damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Company Apparatus more than is absolutely necessary for the completion of the works in accordance with the contract.

6. When excavating around, moving or backfilling around Company Apparatus, the Company Representative shall be given adequate notice, which shall not be less than 3 days, of the contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Company Apparatus and ducts are as follows: -

- a. Carriageways 600mm
- b. Footways 350mm
- c. Verges 450mm

These minimum depths of cover should be maintained wherever possible.

Where the minimum depths of cover cannot be maintained, the Contractor shall carry out the instructions of the Company Representative for the protection of Company Apparatus.

Where cables are not in duct and the required depth of cover cannot be maintained, such cables as are affected shall be enclosed and protected in UPVC duct or equivalent materials as supplied by the Company and by the method directed by the Company Representative.

With regard to excavation in the vicinity of Company Apparatus the Contractor should have particular regard to the possibility of reduced cover and the encountering of such Company Apparatus at depths of cover less than that given at **a, b and c above**.

7. All excavation adjacent to Company Apparatus is to be carried out by hand until the exact extent and/or location of Company Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0m of Company Apparatus without the supervisory presence of a Company Representative, to prevent any movement of Company Apparatus during excavations, complete shuttering shall be used as directed by the Company Representative if:-

- a. Excavation is deeper than the depth of cover of adjacent Company Apparatus.
- b. Excavation is within 1.0m of Company Apparatus in stable ground.
- c. Excavation is within 5.0m of Company Apparatus in unstable ground.

If for the completion of the works, the Contractor intends using any of the following: -

- a. Pile driving equipment within 10.0m of Company Apparatus.
- b. Explosives within 20.0m of Company Apparatus.
- c. Laser equipment within 10.0m of Company Apparatus.

The Contractor shall advise the Company Representative, giving at least 7 working days written notice in order that any special protective measure for the Company Apparatus affected may be arranged.

8. All Company manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and/or further equipment required by the Company for the maintenance of it's Apparatus, must be maintained at all reasonable times. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt under the supervision of a Company Representative where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.

9. The covers to Company chambers and/or Apparatus shall only be lifted by means of appropriate keys obtained from the Company Representative and under the direct supervision of the Company Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any chamber and/or Apparatus of the Company unless under the supervision of the Company Representative and in any case not before the mandatory gas check has been carried out in the presence of the Company Representative and such checks have shown it to be safe to enter the chamber and/or Apparatus of the Company.

The Company Representatives shall be given reasonable access to all Company Apparatus and chambers when required.

10. In the event of any damage whatsoever to Company Apparatus, the Contractor shall immediately inform the Company Representative and report the occurrence immediately by contacting the Company as follows:-

Telephone:-

0208 731 4600
Mon-Fri Office Hours (Instalcom Head Office)

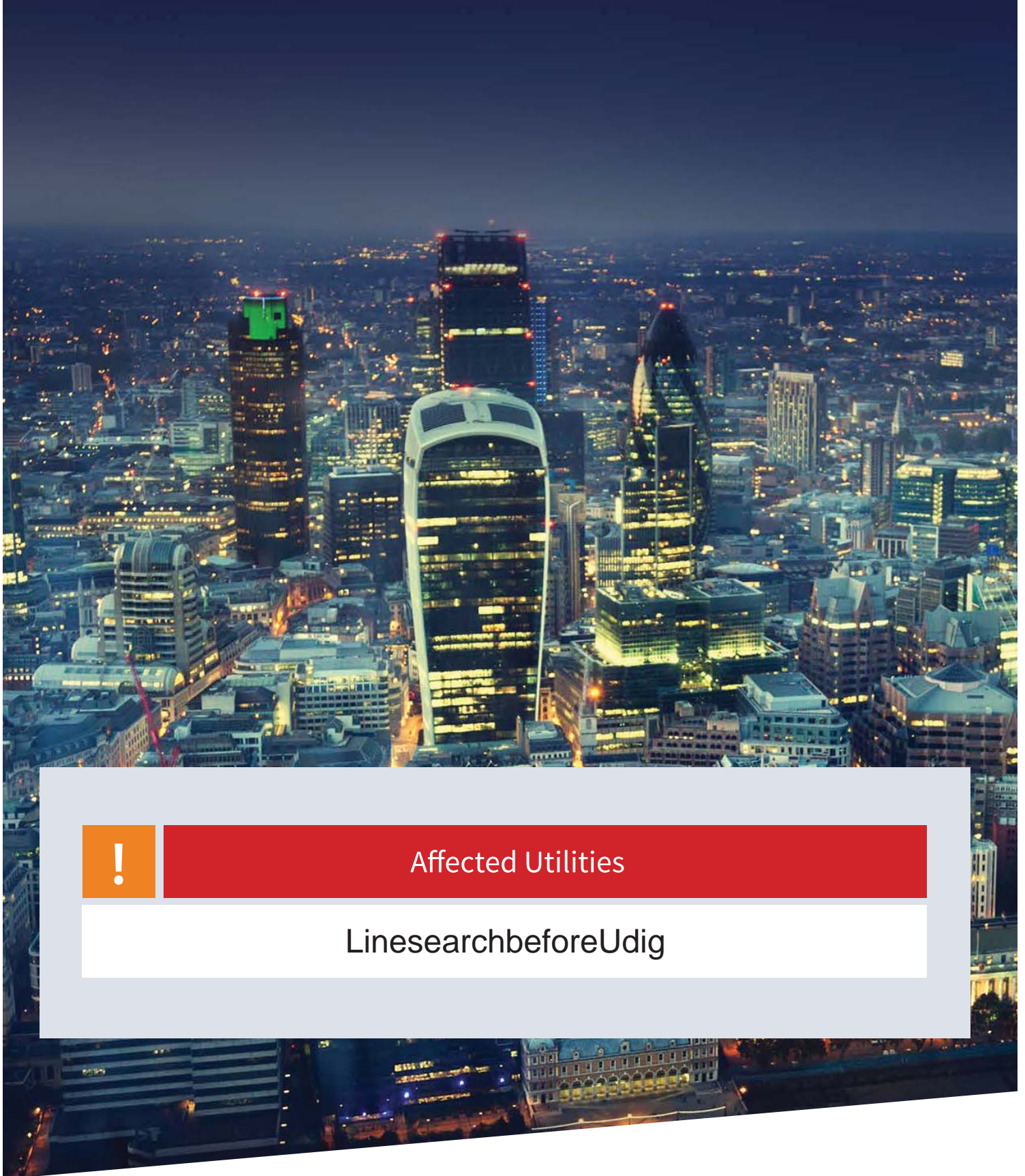
0845 330 8615
Out of Office Hours / Weekends

11. The above requirements do not relieve the Contractor of any of his obligations under the Contract.

The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

Damage to Communications Plant is Expensive – Please Take Care.

Utilities Report



Affected Utilities

LineSearchbeforeUdig

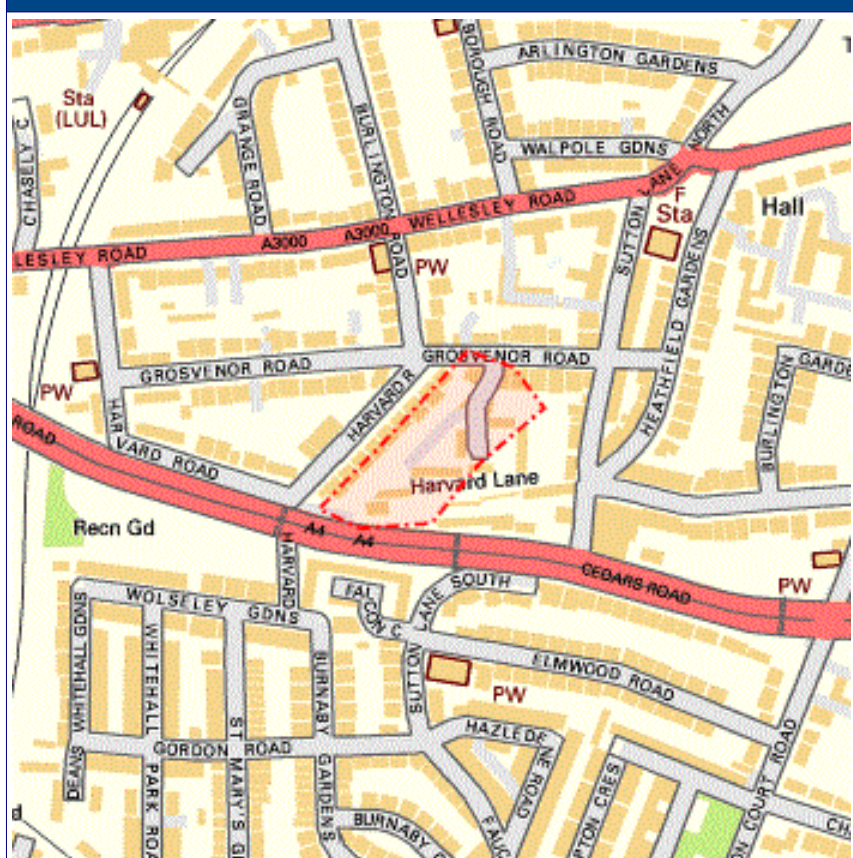
Enquirer

Name	Ms Christina Elliott	Phone	01454 662397
Company	Atkins	Mobile	Not Supplied
Address	500 Park Avenue Aztec West Almondsbury Bristol BS32 4RZ		
Email	stat.enquiries@atkinsglobal.com		

Enquiry Details

Scheme/Reference	LM 79185/PGV		
Enquiry type	Initial Enquiry	Work category	Utility Works
Start date	23/09/2019	Work type	Single excavation site
End date	23/12/2019	Site size	12725 metres square
Searched location	XY= 520081, 178087	Work type buffer*	25 metres
Confirmed location	520084 178089		
Site Contact Name	Not Supplied	Site Phone No	Not Supplied
Description of Works	Not Supplied		

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map


LSBUD Members who have assets registered on the LSBUD service within the vicinity of your search area.

List of affected LSBUD members

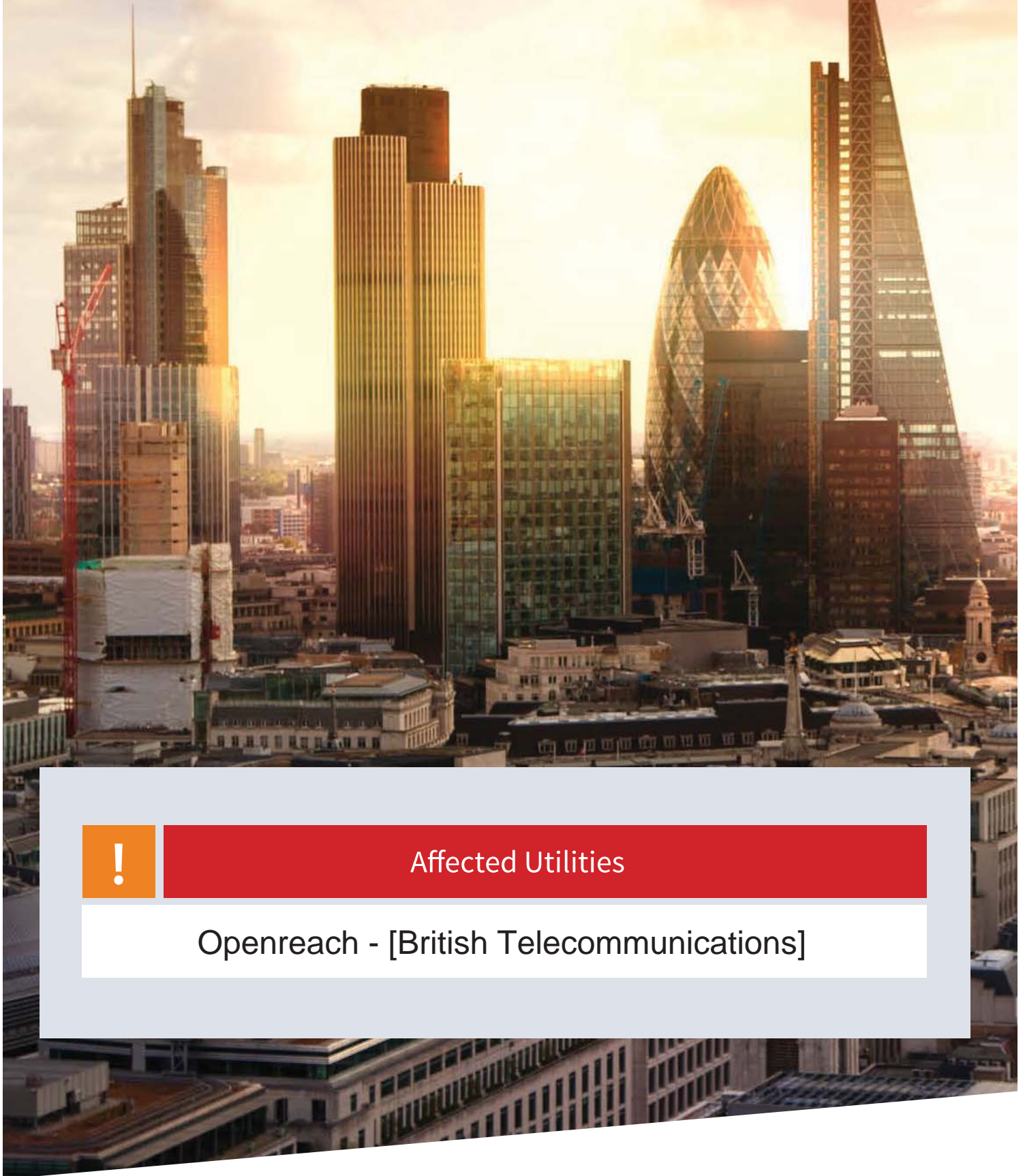
Asset Owner	Phone/Email	Emergency Only	Status
National Grid Gas (Above 7 bar), National Grid Gas Distribution Limited (Above 2 bar) and National Grid Electricity Transmission	0800688588	Gas 0800111999 Electricity 0800404090	Await response
Zayo Group UK Ltd c/o JSM Group Ltd	01992 655 919	0800 169 1646	Await response

LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area. Please be aware that LSBUD Members make regular changes to their assets and this list may vary for new enquiries in the same area.

List of not affected LSBUD members

AWE Pipeline	Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)
BP Exploration Operating Company Limited	BPA	Carrington Gas Pipeline
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CLH Pipeline System Ltd	CNG Services Ltd	Concept Solutions People Ltd
ConocoPhillips (UK) Ltd	DIO (MOD Abandoned Pipelines)	Drax Group
E.ON UK CHP Limited	EirGrid	Electricity North West Limited
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESP Utilities Group	ESSAR	Esso Petroleum Company Limited
Fulcrum Pipelines Limited	Gamma	Gateshead Energy Company
Gigaclear Ltd	Gtt	Hafren Dyfrdwy
Heathrow Airport LTD	Humbly Grove Energy	IGas Energy
INEOS FPS Pipelines	INEOS Manufacturing (Scotland and TSEP)	INOVYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
Murphy Utility Assets	Northumbrian Water Group	NPower CHP Pipelines
Oikos Storage Limited	Ørsted	Perenco UK Limited (Purbeck Southampton Pipeline)
Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos	Phillips 66
Premier Transmission Ltd (SNIP)	Prysmian Cables & Systems Ltd (c/o Western Link)	Redundant Pipelines - LPDA
RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)	RWEnpower (Little Barford and South Haven)	SABIC UK Petrochemicals
Scottish Power Generation	Seabank Power Ltd	Severn Trent (Chester area only)
SGN	Shell (St Fergus to Mossmorran)	Shell Pipelines
SSE (Peterhead Power Station)	Tata Communications (c/o JSM Construction Ltd)	Total (Colnbrook & Colwick Pipelines)
Total Finaline Pipelines	Transmission Capital	UK Power Networks
Uniper UK Ltd	Vattenfall	Veolia ES SELCHP Limited
Wales and West Utilities	Western Power Distribution	Westminster City Council

Utilities Report



Affected Utilities

Openreach - [British Telecommunications]



openreach

Our Ref: Ref shown on map

Date of issue: shown on map

email: nnhc@openreach.co.uk

Dear Customer,

NR & SW ACT 1991 – PROPOSED WORKS AT: **SITE LOCATION**

Prior to commencement of work: For free onsite guidance and accurate up to date location of BT Apparatus please contact our Plant Protection Service by the following methods:-

Email the Click Before You Dig Team CBYD@openreach.co.uk

Visit the Click Before You Dig Website www.openreach.co.uk/cbyd

Thank you for your request of **/**/** describing the above proposals.

Enclosed are copies of our drawings marked up to show the approximate locations of BT apparatus in the immediate vicinity of your works. It is intended for general guidance only. No guarantee is given of its accuracy.

The drawings are valid for 90 days from the date of issue and should not be relied upon after this time period has expired.

When planning excavation work or other works near to BT apparatus, please be mindful our apparatus may exist at various depths and may deviate from the marked route.

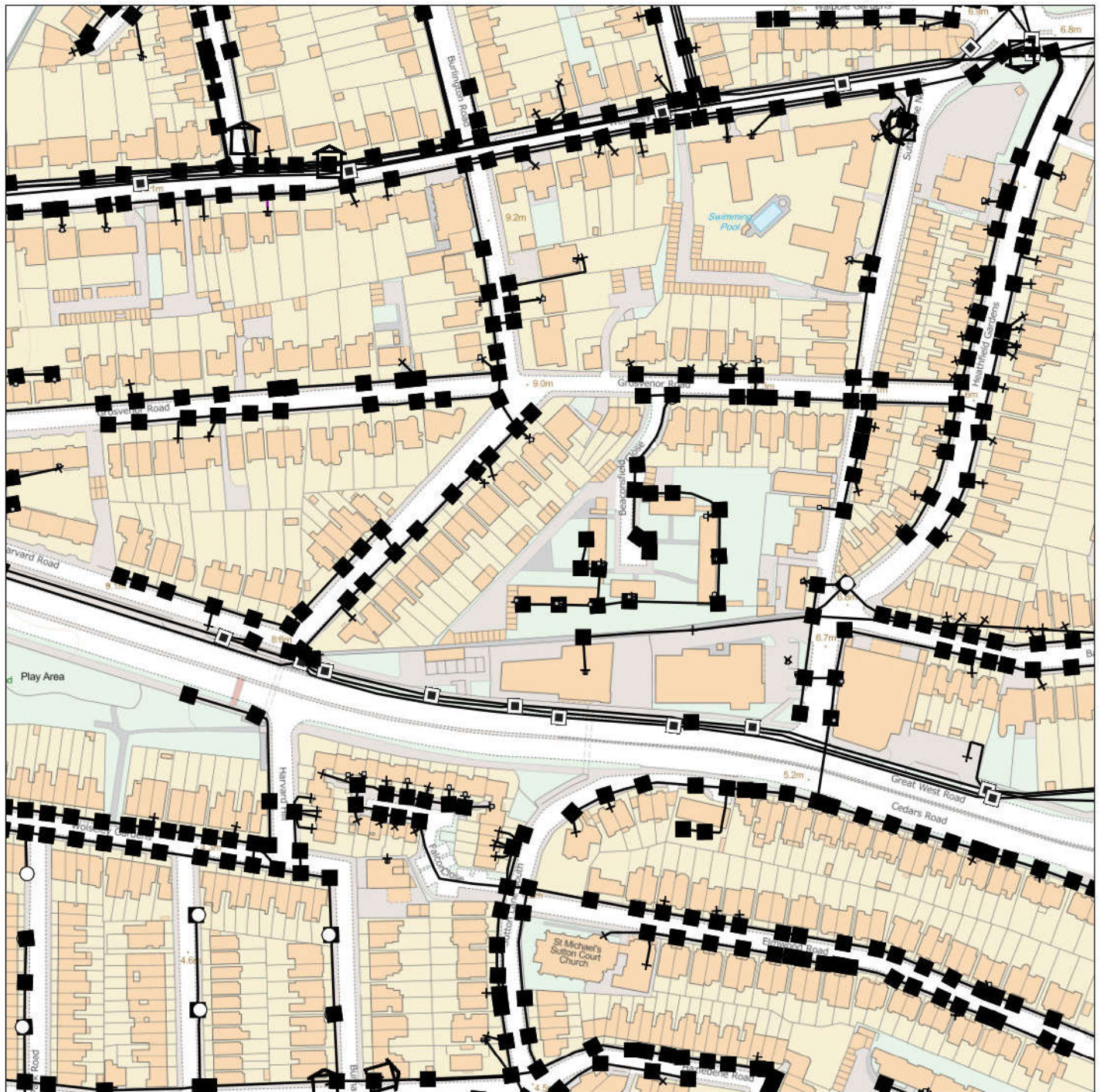
To avoid damage it is recommended that mechanical excavators or borers are not used within 600mm of BT apparatus. If scaffolding is erected, please ensure that our equipment is not enclosed, blocked, covered or otherwise obstructed by the scaffolding.

In the event of BT apparatus being in the area of your works we recommend that your plant/vehicle crossing is either resited, or apply for a budget estimate by submitting detailed plans to our Network Relocation Team at <https://www.ournetwork.openreach.co.uk/altering-our-network.aspx>

Yours faithfully,

Jason Carrington
NNHC & MBE Manager

Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED

(Office hours: Monday - Friday 08.00 to 17.00)

www.openreach.co.uk/cbyd

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	X	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk	K	Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
		Pending Add	In Place	Pending Remove	Not In Use	
Power Cable						
Power Duct				N/A		

BT Ref : YIK05589V

Map Reference : (centre) TQ2007978088

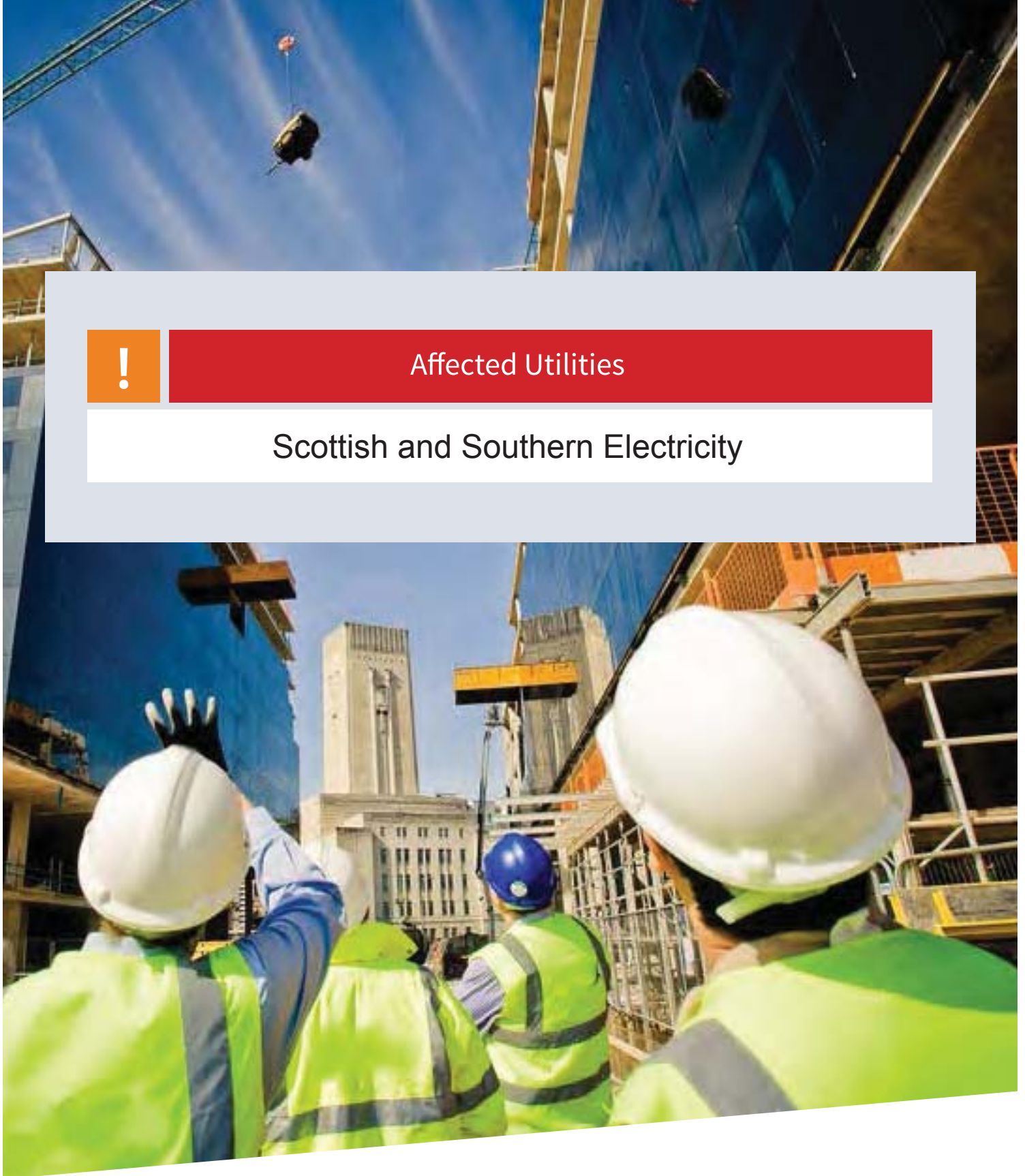
Easting/Northing : (centre) 520079,178088

Issued : 05/09/2019 17:59:06

WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

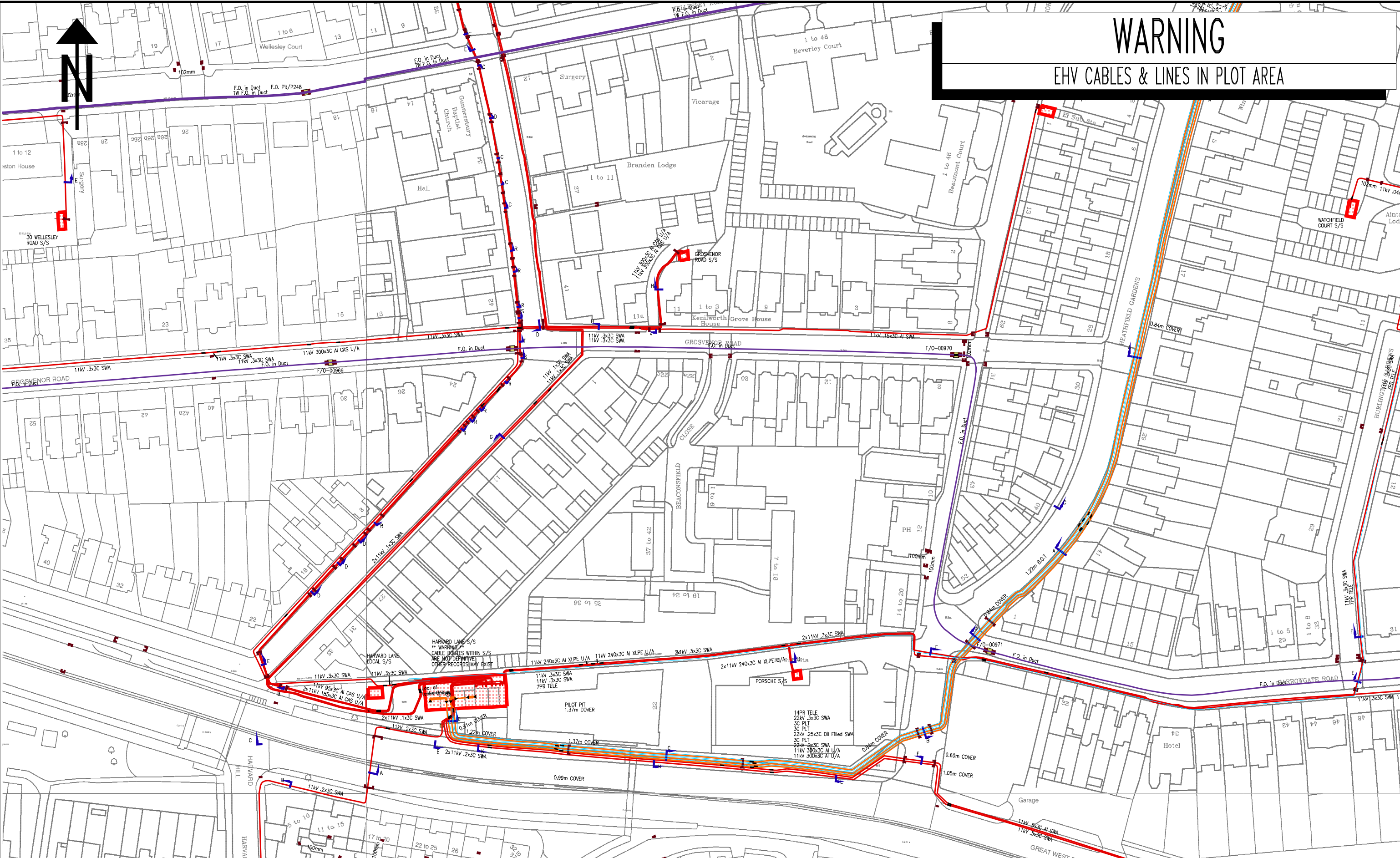
Reproduced from the Ordnance Survey map by BT by permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office
(C) Crown Copyright British Telecommunications plc 100028040

Utilities Report



Affected Utilities

Scottish and Southern Electricity



NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID

	services	l.v.	h.v.	e.h.v.
FOOTPATH		0.40m	0.45m	0.60m 0.75m
ROAD CROSSING		0.60m	0.60m	0.75m 0.90m
l.v./services	-	up to 1000V.		
h.v.	-	over 1000V. to 11,000V.		
e.h.v.	-	22,000V. to 132,000V.		

WARNING

There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive - Avoiding Danger from Buried Cables - should be consulted before commencing excavation work. (available from the HSE)

WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE G56 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)

BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.

This copy has been made by or with the authority of Southern Electric Power Distribution plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 ('the Act'). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner.

Template: SIAS NRSWA COL A3 plot

Southern Electric Power Distribution plc.
Registered in England No. 04094290
Registered Office: No. 1 Forbury Place,
43 Forbury Road, Reading, RG1 3JH

UNCONTROLLED COPY

Subject to Revision Master held at

H.V. MAINS RECORD

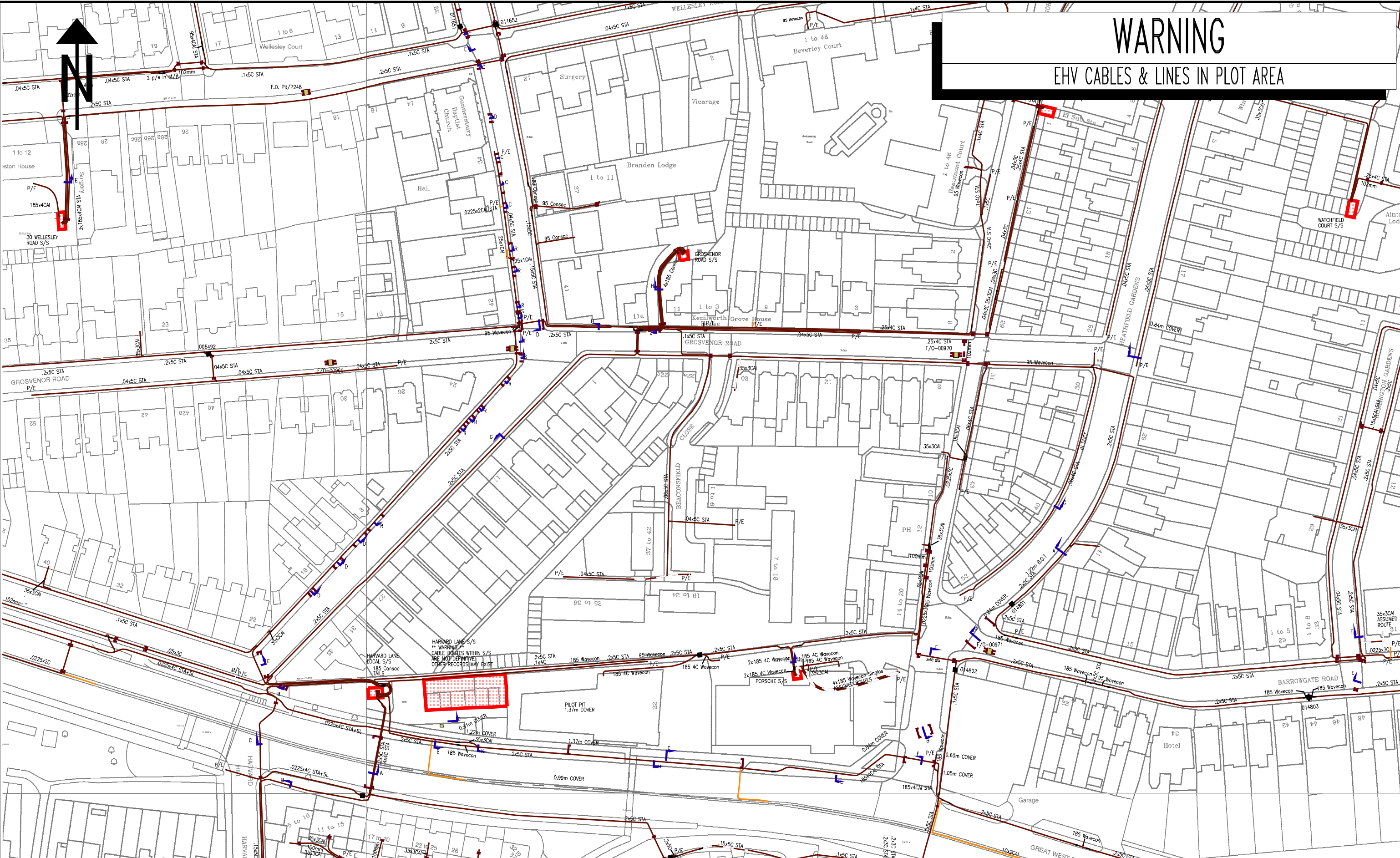
WEST LONDON
020-8606-6400

CHECKED


Grid Ref: TQ20127813

Scale: 1:1250

Date: 05/09/2019



WARNING
EHV CABLES & LINES IN PLOT AREA

NORMAL DEPTH TO THE TOP OF THE CABLE WHEN LAID					<div>WARNING</div>		BASED UPON THE ORDNANCE SURVEY MAP WITH THE SANCTION OF THE CONTROLLER OF H.M. STATIONERY OFFICE. CROWN COPYRIGHT RESERVED.							
							This copy has been made by or with the authority of Southern Electric Power Distribution plc. pursuant to section 47 of the Copyright, Designs and Patents Act 1988 ('the Act'). Unless the Act provides a relevant exception to copyright, the copy must not be copied without the prior permission of the copyright owner. Template: SIAS NRSWA COL A3 plot		L.V. MAINS RECORD					
FOOTPATH 0.40m 0.45m 0.60m 0.75m					<div>There may have been subsequent alterations to the surface levels. Trial holes must be taken to determine positions and depth of cables. HS (G) 47 Booklet from the Health and Safety Executive – Avoiding Danger from Buried Cables – should be consulted before commencing excavation work. (available from the HSE)</div> <div>WHEN WORKING IN THE VICINITY OF OVERHEAD LINES THE HEALTH AND SAFETY GUIDANCE NOTE GS6 SHOULD BE CONSULTED. (AVAILABLE FROM THE HSE)</div>		Southern Electric Power Distribution plc. Registered in England No. 04094290 Registered Office: No. 1 Forbury Place, 43 Forbury Road, Reading, RG1 3JH		UNCONTROLLED COPY Subject to Revision Master held at		WEST LONDON 020-8606-6400		Grid Ref: TQ20127813	
ROAD CROSSING 0.60m 0.60m 0.75m 0.90m											Scale: 1:1250		Date: 05/09/2019	
l.v./services – up to 1000V. h.v. – over 1000V. to 11,000V. e.h.v. – 22,000V. to 132,000V.														

Watch it!

Safety advice brought to you by
Southern Electric Power Distribution plc and
Scottish Hydro Electric Power Distribution Ltd

These notes are intended to help all those who have to work in the vicinity of electrical apparatus. Employers have a legal obligation to ensure that their operatives are fully instructed in the correct procedures.

The Electricity at Work Regulations 1989 impose health and safety requirements upon employers, employees and self-employed persons with respect to electricity at work. The regulations impose restrictions on persons being engaged in work activities on or near live conductors.

Regulation 14 requires that: "No person shall be engaged in any work activity on or near any live conductor (other than one suitably covered with insulating material so as to prevent danger) that danger may arise unless:

- ♦ it is **unreasonable** in all circumstances for it to be dead; and
- ♦ it is **reasonable** in all circumstances for him to be at work on or near it while it is live; and
- ♦ suitable precautions (including where necessary the provision of suitable protective equipment) are taken to prevent injury."

The purpose of the regulations is to require precautions to be taken against the risk of death or personal injury from electricity in work activities.

Publications

The Health and Safety Executive have produced a document entitled 'Avoiding Danger from Underground Services', and the Appendix 1 deals specifically with electric cables. Copies are available from HMSO's Accredited Agents and good booksellers, Ref. HS (G) 47.

Copies of Health and Safety Guidance note GS 6 relating to safe working in proximity to overhead lines, are available from HMSO Head Offices of the Federation of Civil Engineering Contractors and the National Federation of Building Trades Employers.

Note

In situations of emergency or danger, or where the advice contained in these notes cannot be followed, you must consult Scottish and Southern Energy plc immediately. Tel. 08457 708090 for southern England or 0800 300999 for Scotland.

Additional copies of these "Watch it!" leaflets can be obtained from our Mapping Services office upon request. Tel. 01256 337294, or Fax 01256 337295.

You must read and accept the following safety notes as part of the contract to receive our network plans. You will have the option to print these and issue them to site staff.

Watch it! - Working in the vicinity of underground cables.

Our plans show the positions and normal depths for the buried cables and pipes at the time when they were installed. However, alterations to road alignments surface levels and buildings may have occurred subsequently without our knowledge. If you discover plant or cables that are not marked or incorrectly marked, then you are required to contact us as soon as possible to give us the opportunity to amend our plans.

These plans show the equipment owned by Scottish and Southern Energy plc. There may be other privately owned plant in the area, which is outside of our control. You should always check with the Local Authority, National Grid Company, Department of the Environment, other Electricity Companies and other utilities before proceeding.

It is not intended that the issue of these plans will absolve either party from their obligation under any of the acts that control digging in the public highways.

Supplies To Properties, etc.

The location of cables supplying individual properties, street lighting, traffic signs, telephone kiosks etc. are not always shown on the plans. You should assume that each property, streetlight etc. will have its own supply cable.

Major Circuits

Where our plans indicate the presence of cables with a voltage exceeding 11,000 volts, you are advised to contact our local depot (telephone number is on the plans), before commencing any excavations within the vicinity of these cables. These major transmission circuits form an extremely important link in Scottish and Southern Energy's network, and damaging or modifying these circuits is a major and costly undertaking. Any development should therefore be designed to allow these circuits to remain undisturbed and accessible in their present location.

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below:

- ✓ **do** make sure you have plans of the underground cables in the area **before** any excavation work starts. Remember that some cables may not be shown on plans. If carrying out emergency work, excavate as though there are buried live cables in the vicinity.
- ✓ **do** use a cable locator to determine the position of existing cables in the work area. The positions should be marked and tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- ✓ **do** ask for a cable to be made dead if it is buried in concrete.
- ✓ **do** watch for signs of cables as work progresses. Note any marker-tape or cable-cover, which may be exposed.

- ✓ **do** backfill carefully, using stone-free soil around the cables, replacing marker-tapes and / or covers.
- ✓ **do** notify us immediately if you accidentally damage our cables. Arrange to keep people well clear of a cable that has been damaged until we have confirmed it has been made safe.
- ✓ **do** make sure before starting to demolish a building that all cables have been disconnected. We welcome prior notice of the intention to demolish buildings. This enables us to ensure that the site has been made safe electrically.
- ✓ **don't** operate a bulldozer, scraper, dragline or excavator; unless you are satisfied that there are no buried cables in the working area.
- ✓ **don't** use picks, pins, forks or pointed instruments in soft clay or soil when cables are present. Exercise extreme caution where such instruments are used to free lumps of stone, or break up firmly compacted ground. **Never** throw a fork or sharp instrument into the ground.
- ✓ **don't** dig trial holes over the indicated route of the cable. Excavate alongside instead.
- ✓ **don't** use exposed cables as a convenient step or handhold.
- ✓ **don't** handle or attempt to alter the position of any cable.

Remember that a damaged cable may cause extensive loss of supplies, make expensive repairs necessary and cause serious or even fatal injury.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make cables dead without interrupting supplies to our customers. But given adequate notice, we will wherever possible, give advice regarding special precautions which may be necessary on any site where particular problems are likely to be encountered. The right is reserved to make a charge for this service.

Electricity cables can exist anywhere - under paths or roads, in gardens or driveways, on new housing or industrial development sites or even farmland.

Watch it! - Working in the vicinity of overhead lines

For your own and your workmates' safety, please follow the **do's** and **don'ts** listed below

- ✓ **do** carefully note the position of all overhead lines before commencing work.
- ✓ **do** co-operate with us during planning and sitework stages.
- ✓ **do** follow the advice given in HSE Guidance Note GS 6 when siting barriers, goal posts, bunting etc.
- ✓ **do** keep overhead lines in view when moving scaffolding or machinery and take special care when felling or lopping trees.
- ✓ **do** remember that the raising or slewing of a crane or excavator jib may cause danger when operating near an overhead line.
- ✓ **do** avoid any machinery that is in contact with an overhead line until we confirm that conditions are safe.
- ✓ **do** warn others to keep well clear.

- ✓ **don't** drive a high vehicle below an overhead line when an alternative route is available.
- ✓ **don't** raise the bed of a tipper lorry beneath an overhead line or drive under the line with the body of the vehicle raised.
- ✓ **don't** steady any suspended load until you are satisfied that there is no danger from overhead lines.
- ✓ **don't** handle or use scaffold platforms, poles, pipes or ladders unless they are at a safe distance from overhead lines.
- ✓ **don't** transport long objects beneath overhead lines, unless they are carried in a horizontal position.
- ✓ **don't** approach or touch any broken or fallen overhead lines.

Always remember that:

- Electricity can jump gaps.
- Contact or near contact with a crane jib, scaffold or ladder can cause a discharge of electricity with a risk of fatal or severe shock and burns to any person in the vicinity.

If effective measures are not adopted to protect our equipment, we will take steps to recover the cost of any damage caused. Persons causing damage resulting in loss of supply to customers can be held legally responsible for any claims made by those customers. Promptness in reporting an incident will minimise costs.

In most cases it is not practicable to make overhead lines dead without interrupting supplies to customers. However, provided adequate notice is given, then we will, whenever possible, give advice regarding special precautions which may be necessary on site where specific problems may be encountered. The right is reserved to make a charge for this service.

GUIDE TO INTERPRETING MAINS RECORDS PLANS

PRODUCED BY MAPPING SERVICES



INTRODUCTION

The Health & Safety Executive have produced a document entitled 'Avoiding danger from underground services'. Copies are available from HMSO's accredited agents and good booksellers, Ref HS(G)47, ISBN 0118854925.

WHEN WORKING IN THE VICINITY OF ELECTRICITY CABLES AND OVERHEAD LINES PLEASE FOLLOW THE DO'S & DON'T'S LISTED BELOW.

DO'S

- Do** Make sure that you have plans of the cables in the area before any excavation work starts. Remember that some cables such as service cables may not be shown on the plans. Cables owned by other companies are not shown, e.g. local authorities, Department of the Environment, National Grid Co. etc.
- Do** Make sure that you understand the plans that have been supplied to you. For detailed explanation of the symbols used by Scottish & Southern Energy to display the cable information see Appendices.
- Do** Use a cable avoidance tool (CAT) to determine the position of the existing cables in the work area. The positions should be clearly marked and further tests made as work proceeds. **If in doubt, get advice from your supervisor.**
- Do** Hand dig trial holes over the indicated route of the cable, excavate alongside.
- Do** Ask for a cable to be made dead if it is buried in concrete. Please note that this is likely to be a costly process.
- Do** Watch for signs of cables as work progresses, such as marker tapes or cable covers which may be exposed.
- Do** Backfill carefully using stone free soil around cables, replacing marker tapes and covers.
- Do** Ensure that there is maximum clearance above all cable & joints.
- Do** Notify Scottish & Southern Energy immediately should accidental damage to cables occur however large or small. Arrange to keep people well clear of the cable that has been damaged. Do not backfill an area where cable damage has occurred.

DON'T'S

- Don't** Operate a bulldozer, scraper, dragline or excavator unless you are satisfied that there are no buried cables or overhead lines in the working area.
- Don't** Use picks, forks or pointed instruments in soft clay or soil where cables are present, exercise extreme caution where such instruments are used to free lumps of stone or to break up firmly compacted ground.
- Don't** Use exposed cables as a convenient step or handhold.
- Don't** Handle or attempt to alter the position of any cable.

REMEMBER THAT A DAMAGED CABLE MAY CAUSE EXTENSIVE LOSS OF SUPPLIES, MAKE EXPENSIVE REPAIRS NECESSARY AND CAUSE SERIOUS OR EVEN FATAL INJURY.

IF IN DOUBT ASK SCOTTISH & SOUTHERN ENERGY.

UNDERSTANDING THE CABLE INFORMATION ON THE PLANS

AVERAGE DEPTH OF CABLES:

Footpaths 0.6 metres

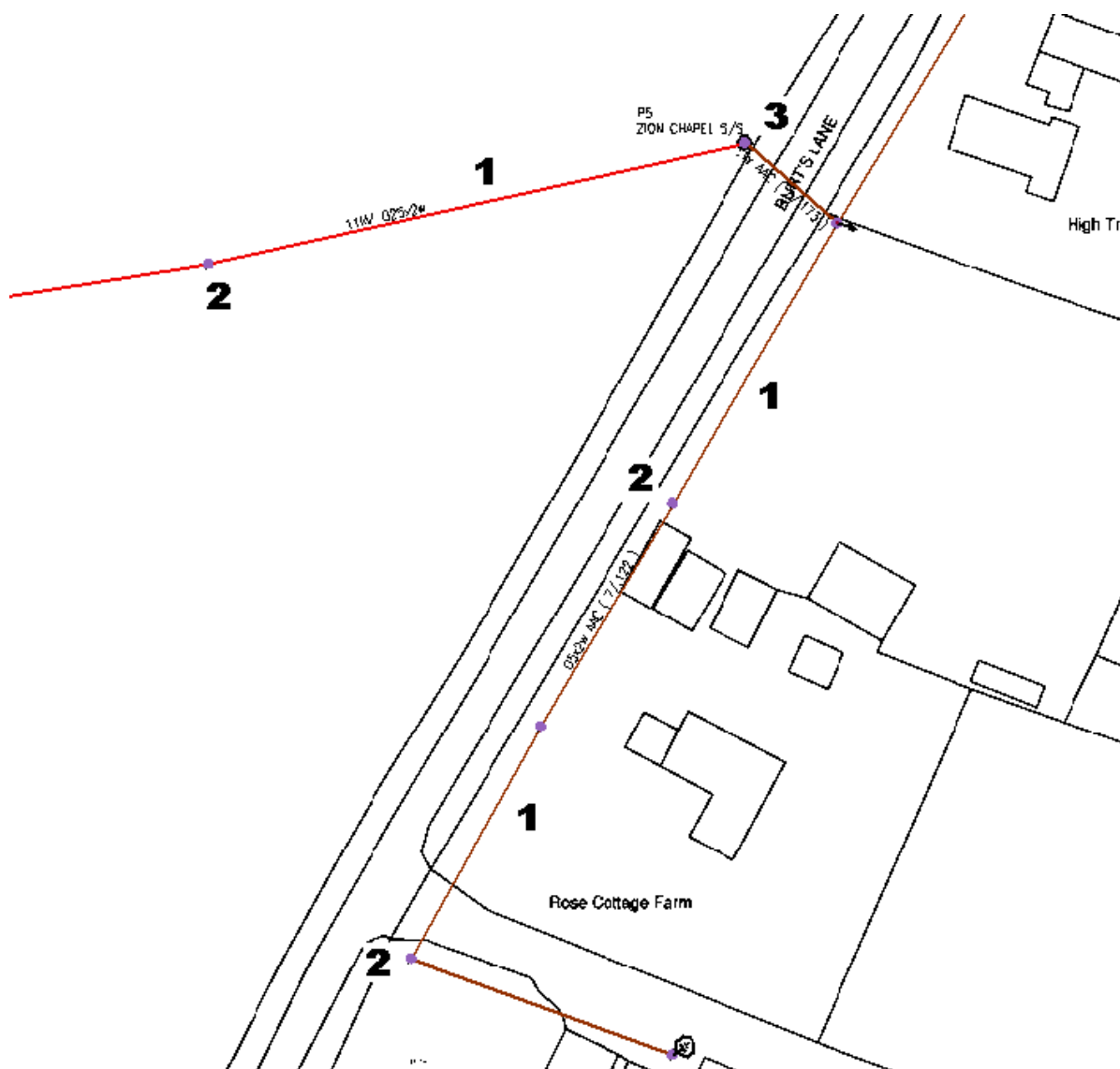
Road Crossings 0.75metres

NB These depths are only approximate, depths may vary. It should also be noted

That surface levels can change subsequent to the cables being laid.

Mains records symbols definitions and examples:

A) Overhead lines & Poles – These are depicted as follows:

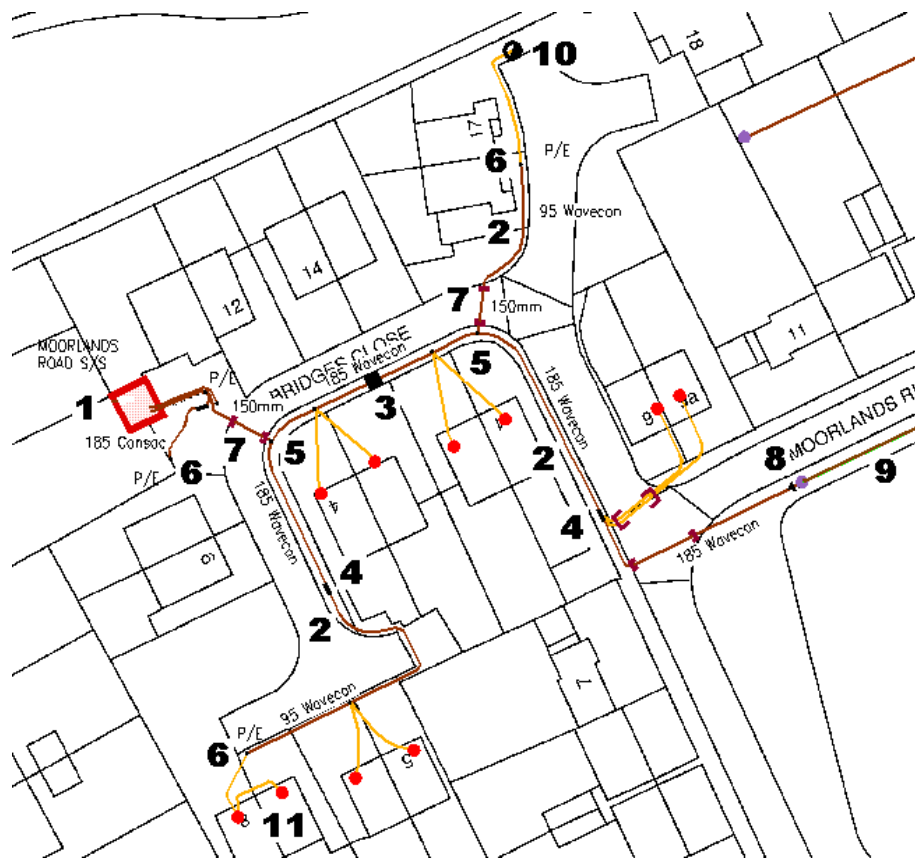


1. Overhead Line – These can be either High Voltage or Low Voltage, colour denotes voltage.

2. Poles.

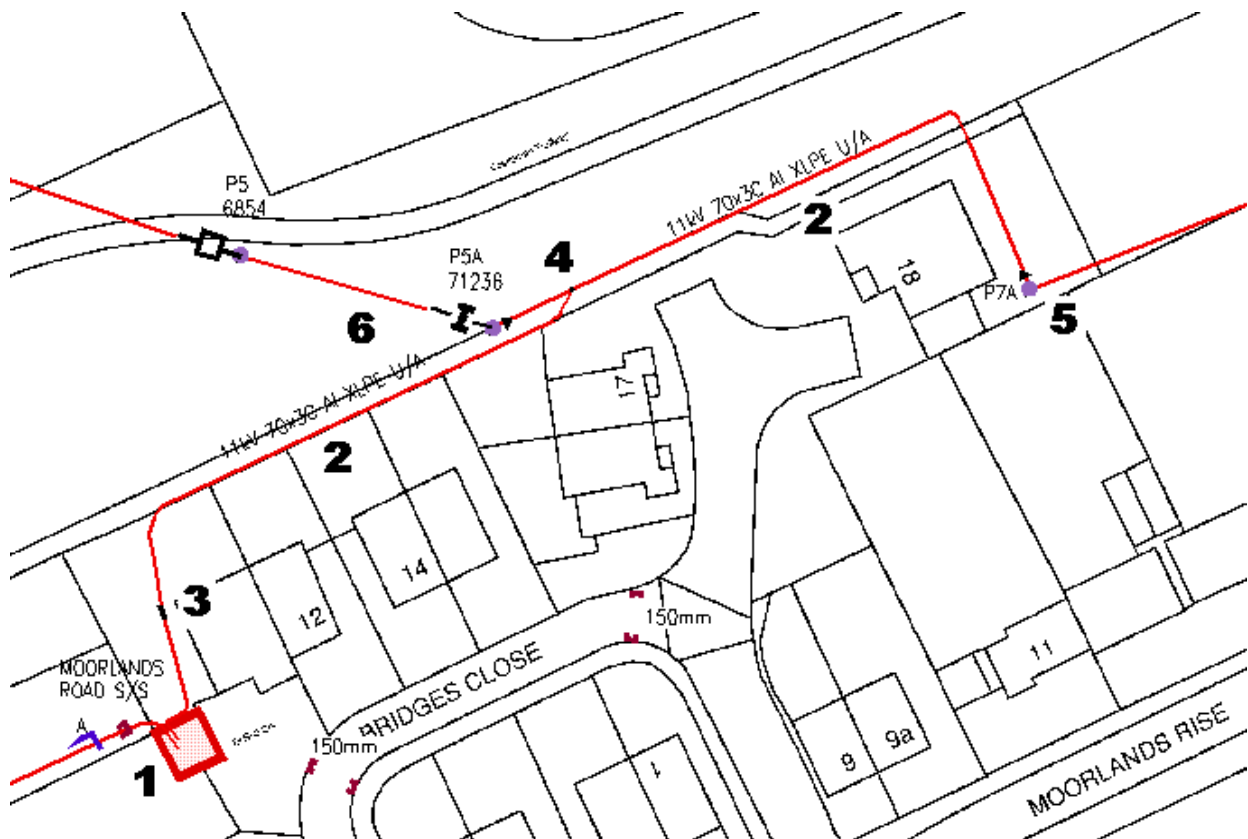
3. Pole Mounted Transformer.

B) Typical example of Low Voltage cable records:



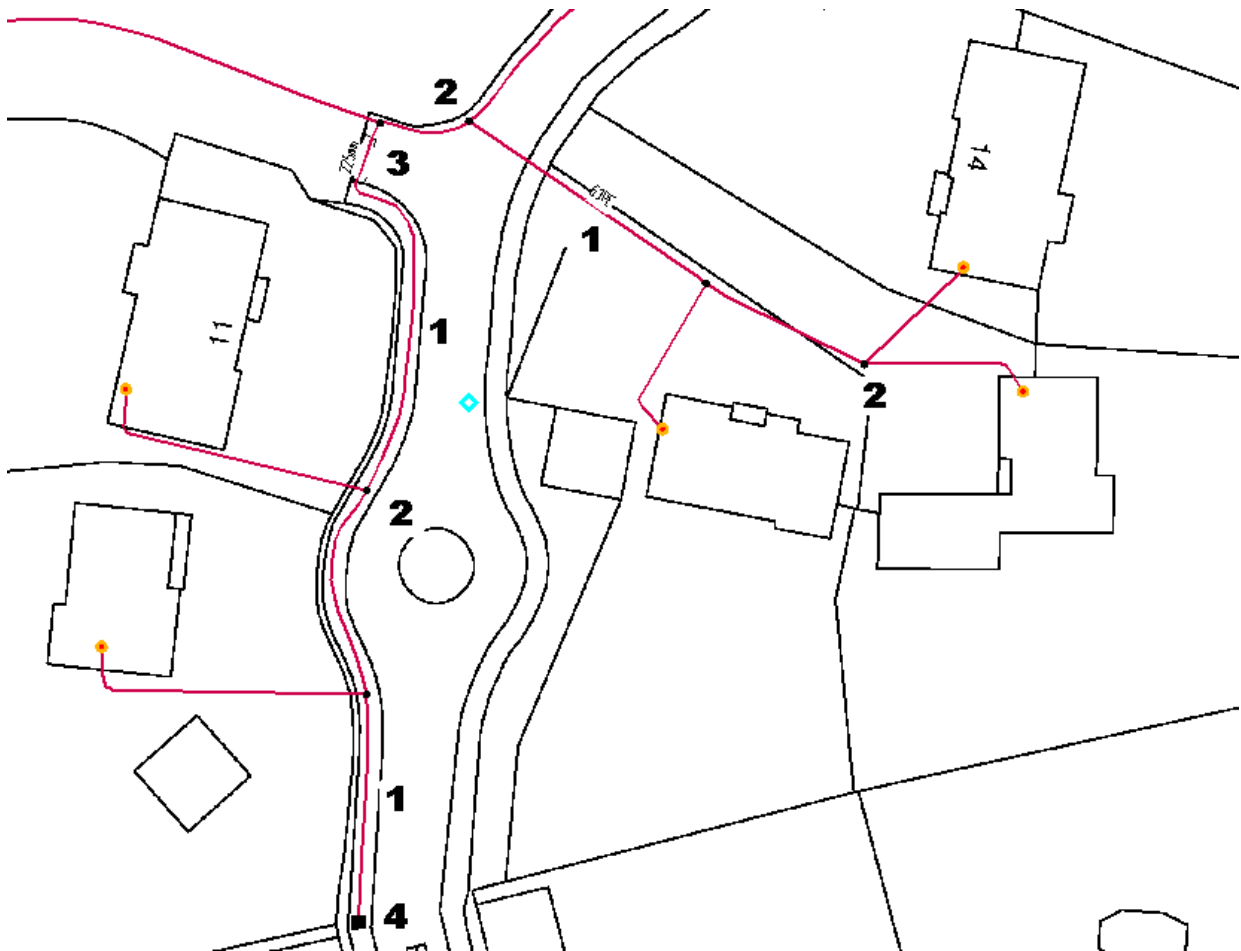
1. Sub Station
2. Low Voltage Underground cable.
3. Link Boxes: This is a box with a manhole cover marked as belonging to Scottish & Southern Energy containing links. Either two or four cables will lead away from a link box.
4. Straight Joint: This is where two separate cables are joined together.
5. Breech Joint: This is where another cable is attached to the main.
6. Pot End: This is the end of the cable. In certain circumstances service cables to properties can be taken from the pot end. These services may not be shown on the plans.
7. Road crossing duct where a cable is routed under a path or road.
8. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
9. Overhead line.
10. Street Lamps.
11. Services to properties: The service cable to an individual property are not always shown on the mains records that Scottish & Southern Energy supply.
In some cases a service can be looped from an adjacent property.
Some services are laid through ducts from the mains to the meter position when laid.

C) Typical example of High Voltage cable record.



1. Sub Station
2. High Voltage Underground cable – Colour denotes voltage.
3. Straight Joint: This is where two separate cables are joined together.
4. Breech Joint: This is where another cable is attached to the main.
5. Cable terminations/Pole Box: Where underground cables are connected to overhead lines
6. Overhead Switch.

D) Typical example of Gas pipe record























































1. Gas Pipes- Colour denotes pressure.
2. Gas joint
3. Road crossing duct where a pipe is routed under a path or road.
4. Connection Point. Position where network is connected to national gas suppliers network.

Further Notes.






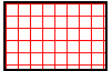






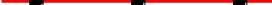











The various sizes of cables and pipes are shown alongside the routes.

IF IN DOUBT ASK SCOTTISH & SOUTHERN ENERGY











GIS ELECTRIC SYMBOLS (SOUTH)

	LV UNDERGROUND SERVICE CABLE		POLE
	LV UNDERGROUND MAINS CABLE		POLE MOUNTED TRANSFORMER
	2KV-3.3KV UNDERGROUND CABLE		SUBSTATION
	6.6KV UNDERGROUND CABLE		LINK BOX
	11KV UNDERGROUND CABLE		PILLAR
	22KV UNDERGROUND CABLE		MAJOR PIPELINE
	33KV UNDERGROUND CABLE		ASSUMED ROUTE
	66KV UNDERGROUND CABLE		CROSS SECTION
	132KV UNDERGROUND CABLE		DUCTING
	LV OVERHEAD LINE		FLYING STAY
	2-3.3KV OVERHEAD LINE		PME EARTH
	6.6KV OVERHEAD LINE		NEUTRAL EARTH
	11KV OVERHEAD LINE		OIL/GAS GAUGE
	22KV OVERHEAD LINE		OIL/GAS TANK
	33KV OVERHEAD LINE		BALANCER
	66KV OVERHEAD LINE		REGULATOR
	132KV OVERHEAD LINE		PIT
	FIBRE OPTIC CABLE		SCHEMATIC CONNECTOR
	PILOT CABLE		SUPPLY LOCATION-PROPERTY
	CIRCUIT BREAKER		SUPPLY LOCATION-OTHER
	SWITCH DISCONNECTOR		SUPPLY LOCATION-STREET FURNITURE
	POLE BOX		
	STRAIGHT JOINT		
	TEE JOINT		
	TRIFURCATING JOINT		
	POT END JOINT		
	CAPPED END JOINT		
	SEALING END JOINT		
	SERVICE CONNECTOR JOINT		
	O/H CONNECTOR JOINT		
	WALL BOX JOINT		

GIS ELECTRIC SYMBOLS (NORTH)

	FIBRE OPTIC CABLE		LINK BOX
	PILOT CABLE		PILLAR
	6.6/11kV UNDERGROUND CABLE		SUBSTATION
	33kV UNDERGROUND CABLE		WATER PIPELINE
	132kV UNDERGROUND CABLE		OIL PIPELINE
	LOW VOLTAGE UNDERGROUND CABLE		GAS PIPELINE
	6.6/11kV OVERHEAD LINE		SWITCH DISCONNECTOR
	33kV OVERHEAD LINE		CIRCUIT BREAKER
	132/275kV OVERHEAD LINE		SUPPLY POINT
	LOW VOLTAGE OVERHEAD LINE		
	POLES		
	TOWER		
	POLE TERMINATION		
	JOINTS		
	DUCTING		

GIS Gas Symbols

	Medium Pressure Pipe
	Low Pressure Pipe
	Gas Ducting
	
	Gas Supply Point
	Gas Joint
	End Closure
	Pressure Reduction Station
	Gas Utility Connection Point
	Valve

GIS Environmental Guide

Countryside Agency



Areas of Outstanding Natural Beauty (AONB)



National Park

Environment Agency



Borehole



Water Extraction Point



Sensitive Waterway



Source Protection Zone

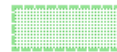


Vulnerability Zone

Forestry Commission



Access



Ownership

English Heritage/Historic Scotland



Monuments

SEPA

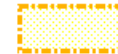


Flood Area



Flood Location

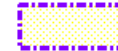
English Nature/Scottish Natural Heritage



Site of Special Scientific Interest (SSSI)



National Nature Reserve (NNR)



RAMSAR



Special Area of Conservation (SAC)



Special Protection Area (SPA)

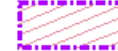


Ancient Woodland

Areas of Concern



Contaminated



Cadmium



Methane



Heavy Metal-Unclassified



Asbestos



Ordnance



Mercury



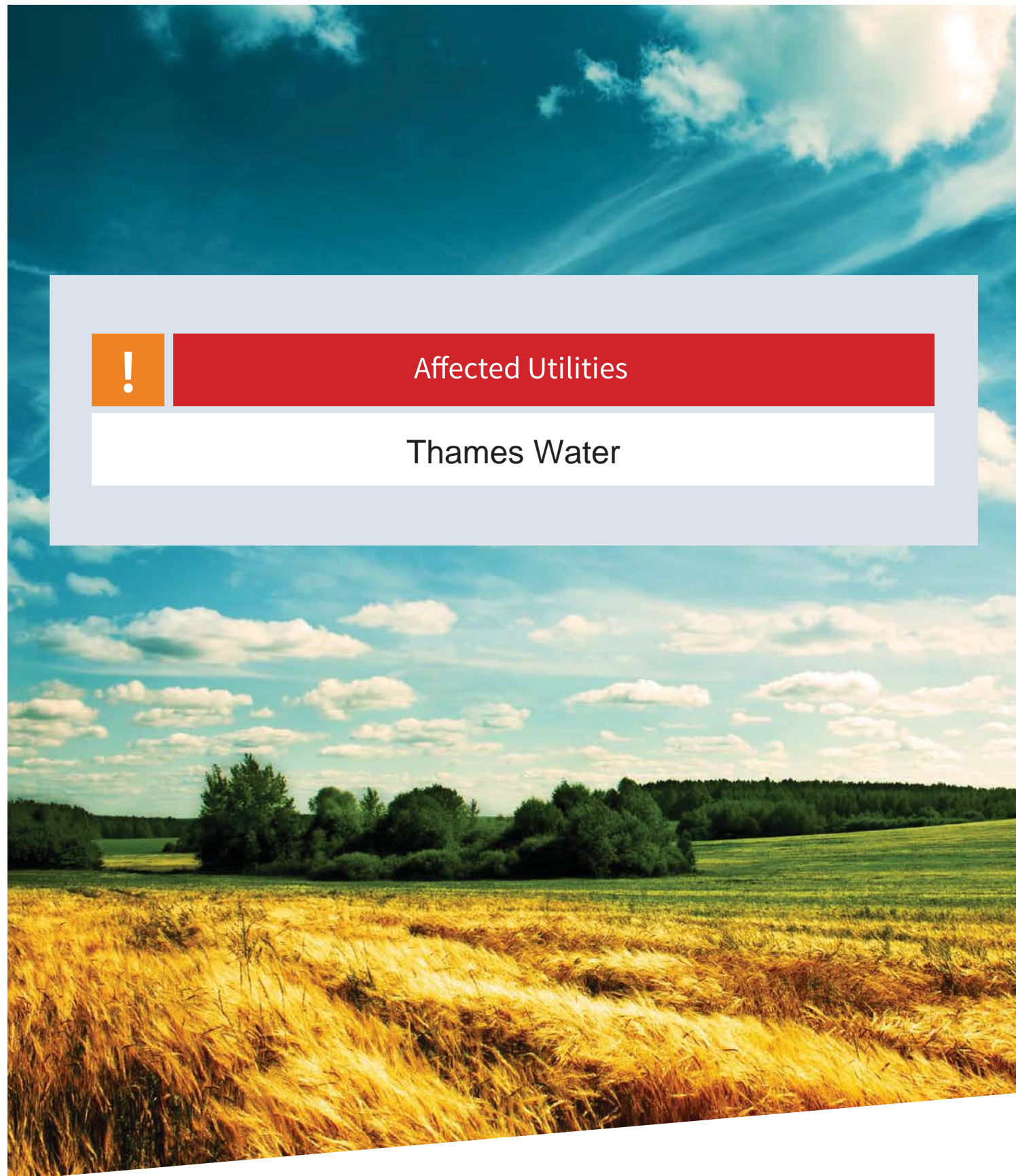
Restricted Access

Utilities Report



Affected Utilities

Thames Water



Asset location search



Property Searches

CHECKED

Atkins Telecoms
Stats Enquiries Team The Hub
500 Park Avenue
BRISTOL
BS32 4RZ

Search address supplied Land at Beaconsfield Close, Chiswick
W4 4EL

Your reference 79185

Our reference ALS/ALS Standard/2019_4070901

Search date 6 September 2019

Keeping you up-to-date

Notification of Price Changes

From 1 September 2018 Thames Water Property Searches will be increasing the price of its Asset Location Search in line with RPI at 3.23%.

For further details on the price increase please visit our website: www.thameswater-propertysearches.co.uk
Please note that any orders received with a higher payment prior to the 1 September 2018 will be non-refundable.



Thames Water Utilities Ltd
Property Searches, PO Box 3189, Slough SL1 4WW
DX 151280 Slough 13



searches@thameswater.co.uk
www.thameswater-propertysearches.co.uk



0845 070 9148



Search address supplied: Land at Beaconsfield Close, Chiswick, W4 4EL

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

The following records were searched in compiling this report: - the map of public sewers & the map of waterworks. Thames Water Utilities Ltd (TWUL) holds all of these.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0845 070 9148, or use the address below:

Thames Water Utilities Ltd
Property Searches
PO Box 3189
Slough
SL1 4WW

Email: searches@thameswater.co.uk

Web: www.thameswater-propertysearches.co.uk

Waste Water Services

Please provide a copy extract from the public sewer map.

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Any private sewers or lateral drains which are indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended these details be checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0800 316 9800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.



For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Payment for this Search

A charge will be added to your suppliers account.

Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, budget estimates, diversions, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

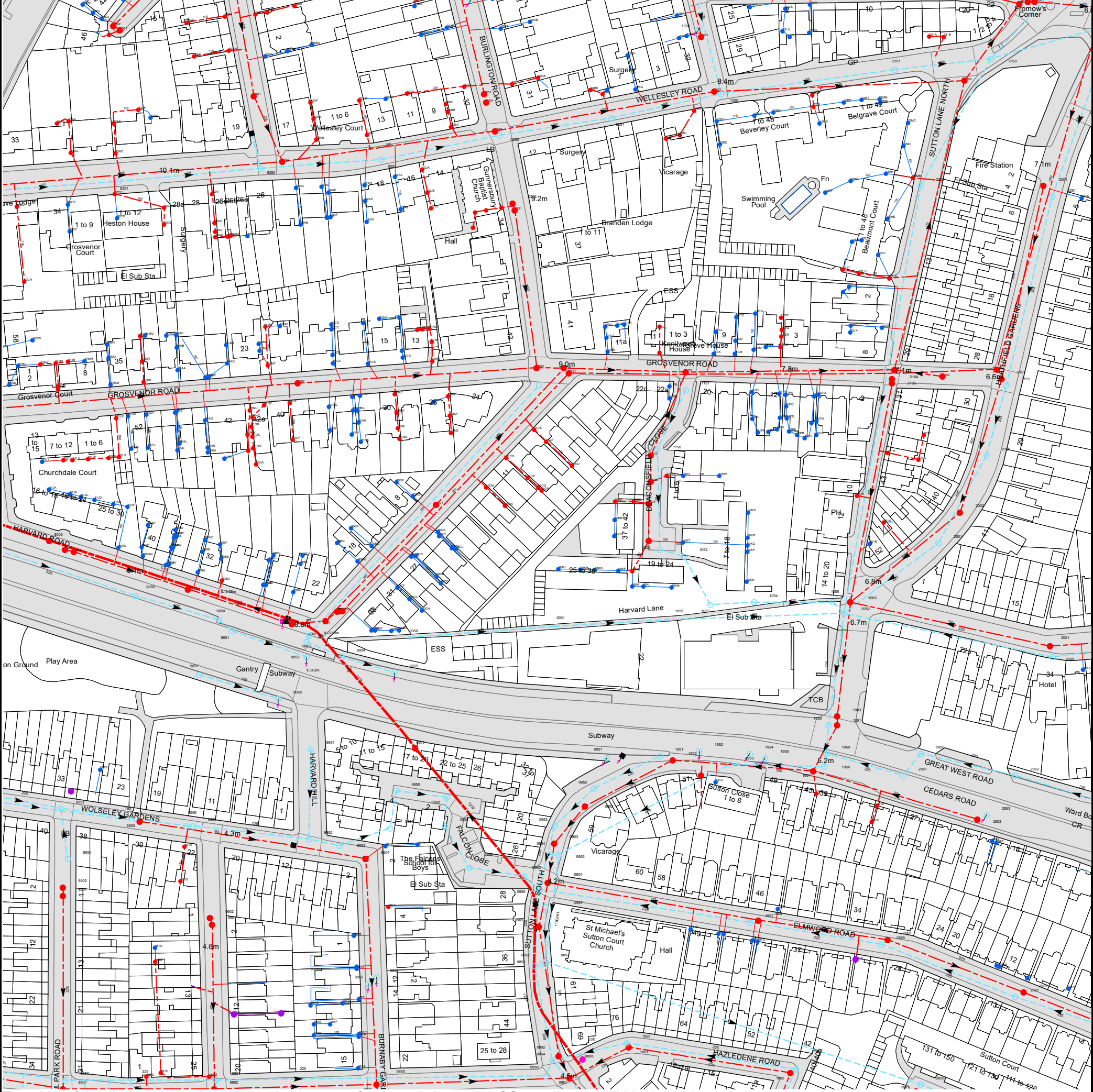
Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact:

Developer Services (Clean Water)
Thames Water
Clearwater Court
Vastern Road
Reading
RG1 8DB

Tel: 0800 009 3921
Email: developer.services@thameswater.co.uk

Asset Location Search Sewer Map - ALS/ALS Standard/2019 4070901



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 520066,178084
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0350	9.34	n/a
02AC	n/a	n/a
13BF	n/a	n/a
13LS	n/a	n/a
132S	n/a	n/a
13LV	n/a	n/a
2350	7.06	3.89
2302	6.98	3.87
2303	6.98	n/a
2304	6.99	4.05
12BS	n/a	n/a
22BT	n/a	n/a
22MM	n/a	n/a
2202	7.1	4.1
2351	7.47	5.47
231B	n/a	n/a
231A	n/a	n/a
12MF	n/a	n/a
12BQ	n/a	n/a
12BK	n/a	n/a
12BJ	n/a	n/a
12MN	n/a	n/a
12BO	n/a	n/a
0251	8.76	6.76
12BN	n/a	n/a
12BM	n/a	n/a
12BI	n/a	n/a
12BL	n/a	n/a
12BP	n/a	n/a
1250	8.28	6.41
02BD	n/a	n/a
1201	8.31	6.04
02BE	n/a	n/a
02BF	n/a	n/a
12BG	n/a	n/a
02CB	n/a	n/a
13BH	n/a	n/a
13AN	n/a	n/a
13LT	n/a	n/a
1301	8.46	n/a
13AQ	n/a	n/a
13LW	n/a	n/a
13LU	n/a	n/a
1350	8.47	6.87
92AL	n/a	n/a
9251	9.52	7.45
92AJ	n/a	n/a
92AK	n/a	n/a
03AS	n/a	n/a
02CC	n/a	n/a
02JA	n/a	n/a
02JB	n/a	n/a
02JC	n/a	n/a
02BC	n/a	n/a
032E	n/a	n/a
02BB	n/a	n/a
02BA	n/a	n/a
021X	n/a	n/a
02KQ	n/a	n/a
02KR	n/a	n/a
0205	9.4	7.28
02KS	n/a	n/a
0204	9.4	n/a
0203	9.29	6.69
0250	9.29	7.09
02AA	n/a	n/a
02KT	n/a	n/a
02CA	n/a	n/a
0202	9.1	n/a
0201	9.11	7.05
02AB	n/a	n/a
11PJ	n/a	n/a
1151	7.96	6.76
11PM	n/a	n/a
0150	8.87	7.48
0151	8.78	-3.3
1101	8.04	5.34
0102	8.74	5.89
0103	8.87	6.08
11CK	n/a	n/a
11CM	n/a	n/a
11KT	n/a	n/a
01BE	n/a	n/a
11OM	n/a	n/a
11OT	n/a	n/a
11OO	n/a	n/a
11CN	n/a	n/a
011D	n/a	n/a
11OR	n/a	n/a
11CL	n/a	n/a
11OQ	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
01BC	n/a	n/a
11KS	n/a	n/a
01BB	n/a	n/a
11BA	n/a	n/a
11OP	n/a	n/a
11CO	n/a	n/a
11ON	n/a	n/a
2152	6.69	-2.95
2101	6.7	4.21
2151	6.63	5.2
2201	7.03	4.64
2251	7.03	5.45
321G	n/a	n/a
201A	n/a	n/a
2002	6.58	3.95
211E	n/a	n/a
211G	n/a	n/a
2150	6.51	5.1
211H	n/a	n/a
211F	n/a	n/a
2105	7.08	4.87
2104	7.08	n/a
2102	7.02	4.77
2103	7.13	5.52
22LX	n/a	n/a
22LW	n/a	n/a
22LY	n/a	n/a
111B	n/a	n/a
22LZ	n/a	n/a
22LR	n/a	n/a
22LU	n/a	n/a
121T	n/a	n/a
22LV	n/a	n/a
22MA	n/a	n/a
22LS	n/a	n/a
22ME	n/a	n/a
2250	7.1	3.79
22MG	n/a	n/a
22MB	n/a	n/a
22MH	n/a	n/a
22MD	n/a	n/a
22MC	n/a	n/a
22MK	n/a	n/a
11KU	n/a	n/a
11PN	n/a	n/a
10KT	n/a	n/a
11KV	n/a	n/a
1052	7.99	5.74
11KW	n/a	n/a
10KP	n/a	n/a
10KQ	n/a	n/a
10KR	n/a	n/a
10KS	n/a	n/a
11PL	n/a	n/a
11PK	n/a	n/a
11PG	n/a	n/a
11PI	n/a	n/a
11PF	n/a	n/a
11PH	n/a	n/a
11PA	n/a	n/a
11PQ	n/a	n/a
11PD	n/a	n/a
11PE	n/a	n/a
11PB	n/a	n/a
11OY	n/a	n/a
11OZ	n/a	n/a
11OX	n/a	n/a
11OW	n/a	n/a
11OV	n/a	n/a
11OU	n/a	n/a
00CI	n/a	n/a
01MY	n/a	n/a
01NA	n/a	n/a
01MZ	n/a	n/a
00CJ	n/a	n/a
00CL	n/a	n/a
01CM	n/a	n/a
00CN	n/a	n/a
01CO	n/a	n/a
01CP	n/a	n/a
01CS	n/a	n/a
01CQ	n/a	n/a
01CR	n/a	n/a
01CT	n/a	n/a
00KJ	n/a	n/a
01CU	n/a	n/a
00KH	n/a	n/a
00KC	n/a	n/a
00KB	n/a	n/a
01KA	n/a	n/a
11KD	n/a	n/a
1002	7.83	6.11
1104	7.84	5.91

Manhole Reference	Manhole Cover Level	Manhole Invert Level
1102	7.92	5.75
1103	7.89	5.8
1150	7.91	6.42
1051	8.02	5.78
0952	4.28	3.11
191H	n/a	n/a
19KM	n/a	n/a
1901	5.1	2.62
1956	5.03	3.42
1953	4.81	3.24
1902	4.77	2.08
1955	4.92	n/a
0951	5.25	3.45
1951	5.05	3.36
1950	5.28	3.44
1954	5.1	3.97
1952	5.06	n/a
1050	6.69	4.47
0051	7.92	7.15
1056	7.3	6.41
1053	7.7	5.43
1054	7.6	5.25
1055	6.92	4.9
10KM	n/a	n/a
10KL	n/a	n/a
10KK	n/a	n/a
00CE	n/a	n/a
10KN	n/a	n/a
10KE	n/a	n/a
00KF	n/a	n/a
00KG	n/a	n/a
291A	n/a	n/a
291C	n/a	n/a
2902	5.23	3.03
2953	5.26	3.65
291D	n/a	n/a
2952	5.51	3.8
2951	5.33	3.57
2950	5.56	3.64
1001	6.69	3.86
1003	6.78	3.88
301A	n/a	n/a
2050	6.85	4.29
2001	6.83	3.88
2052	6.81	3.54
2003	6.92	3.42
201B	n/a	n/a
2051	6.54	4.94
981G	n/a	n/a
981H	n/a	n/a
981I	n/a	n/a
9852	4.23	n/a
9853	4.23	3.52
981J	n/a	n/a
n/a	n/a	n/a
0851	4.23	2.72
0852	4.27	2.62
0853	4.18	2.73
991B	n/a	n/a
0905	4.18	1.98
0957	4.09	3.79
991A	n/a	n/a
0956	4.21	2.76
0904	4.23	1.96
0960	3.86	2.81
0959	n/a	n/a
9904	4.41	2.55
991C	n/a	n/a
9953	4.33	3.53
091A	n/a	n/a
9952	4.45	3.53
9954	4.05	3.26
0958	n/a	n/a
0950	3.85	2.95
9950	3.95	3.15
281D	n/a	n/a
2955	4.21	3.03
2901	4.22	3.11
2801	5.35	2.57
2850	5.25	2.61
291B	n/a	n/a
281A	n/a	n/a
281B	n/a	n/a
2851	4.3	3.14
2802	4.29	2.83
281C	n/a	n/a
381A	n/a	n/a
39KT	n/a	n/a
0954	4.12	3.22
0854	4.47	2.48
0903	4.19	n/a
0953	4.11	2.93
0955	4.06	3.11

Manhole Reference	Manhole Cover Level	Manhole Invert Level
0802	4.44	1.94
0801	4.56	1.92
0808	4.59	-3.41
0902	4.27	2.17
1850	4.65	3.08
1801	4.66	2.28
191C	n/a	n/a
191D	n/a	n/a
191E	n/a	n/a
1957	4.19	2.98
191F	n/a	n/a
191G	n/a	n/a
1903	4.16	2.72
191B	n/a	n/a
1802	4.69	2.65
1851	4.65	3.51
191A	n/a	n/a
9801	4.48	2.11
9850	4.43	3.48
0850	4.43	3.33
981A	n/a	n/a
981B	n/a	n/a
981D	n/a	n/a
981C	n/a	n/a
981F	n/a	n/a
981E	n/a	n/a
981K	n/a	n/a
82CD	n/a	n/a
8251	10.1	8.43
8301	10.6	n/a
83BN	n/a	n/a
82AF	n/a	n/a
82AG	n/a	n/a
82CA	n/a	n/a
82CB	n/a	n/a
93AK	n/a	n/a
93AI	n/a	n/a
82AI	n/a	n/a
82AO	n/a	n/a
82AJ	n/a	n/a
93AJ	n/a	n/a
93AH	n/a	n/a
9201	9.99	7.59
93BJ	n/a	n/a
9250	9.8	7.85
93BN	n/a	n/a
93BL	n/a	n/a
9202	9.79	7.41
93BM	n/a	n/a
93BK	n/a	n/a
92AA	n/a	n/a
92AB	n/a	n/a
92AP	n/a	n/a
93BO	n/a	n/a
92AO	n/a	n/a
92AN	n/a	n/a
92AC	n/a	n/a
92AD	n/a	n/a
92AE	n/a	n/a
92AF	n/a	n/a
92AM	n/a	n/a
92AG	n/a	n/a
92AH	n/a	n/a
92AI	n/a	n/a
82CG	n/a	n/a
82AB	n/a	n/a
82CE	n/a	n/a
82AA	n/a	n/a
82CF	n/a	n/a
82AC	n/a	n/a
83DM	n/a	n/a
83DL	n/a	n/a
83DJ	n/a	n/a
83KP	n/a	n/a
8302	10.55	8.44
82AE	n/a	n/a
82CC	n/a	n/a
82AD	n/a	n/a
91NZ	n/a	n/a
91OE	n/a	n/a
01NB	n/a	n/a
91NG	n/a	n/a
91NJ	n/a	n/a
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.		



ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

	Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Trunk Surface Water
	Trunk Foul
	Storm Relief
	Trunk Combined
	Vent Pipe
	Bio-solids (Sludge)
	Proposed Thames Surface Water Sewer
	Proposed Thames Water Foul Sewer
	Gallery
	Foul Rising Main
	Surface Water Rising Main
	Combined Rising Main
	Sludge Rising Main
	Proposed Thames Water Rising Main
	Vacuum

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve
	Dam Chase
	Fitting
	Meter
	Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Control Valve
	Drop Pipe
	Ancillary
	Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol, Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Outfall
	Undefined End
	Inlet

Other Symbols

Symbols used on maps which do not fall under other general categories

	Public/Private Pumping Station
	Change of characteristic indicator (C.O.C.I.)
	Invert Level
	Summit

Areas

Lines denoting areas of underground surveys, etc.

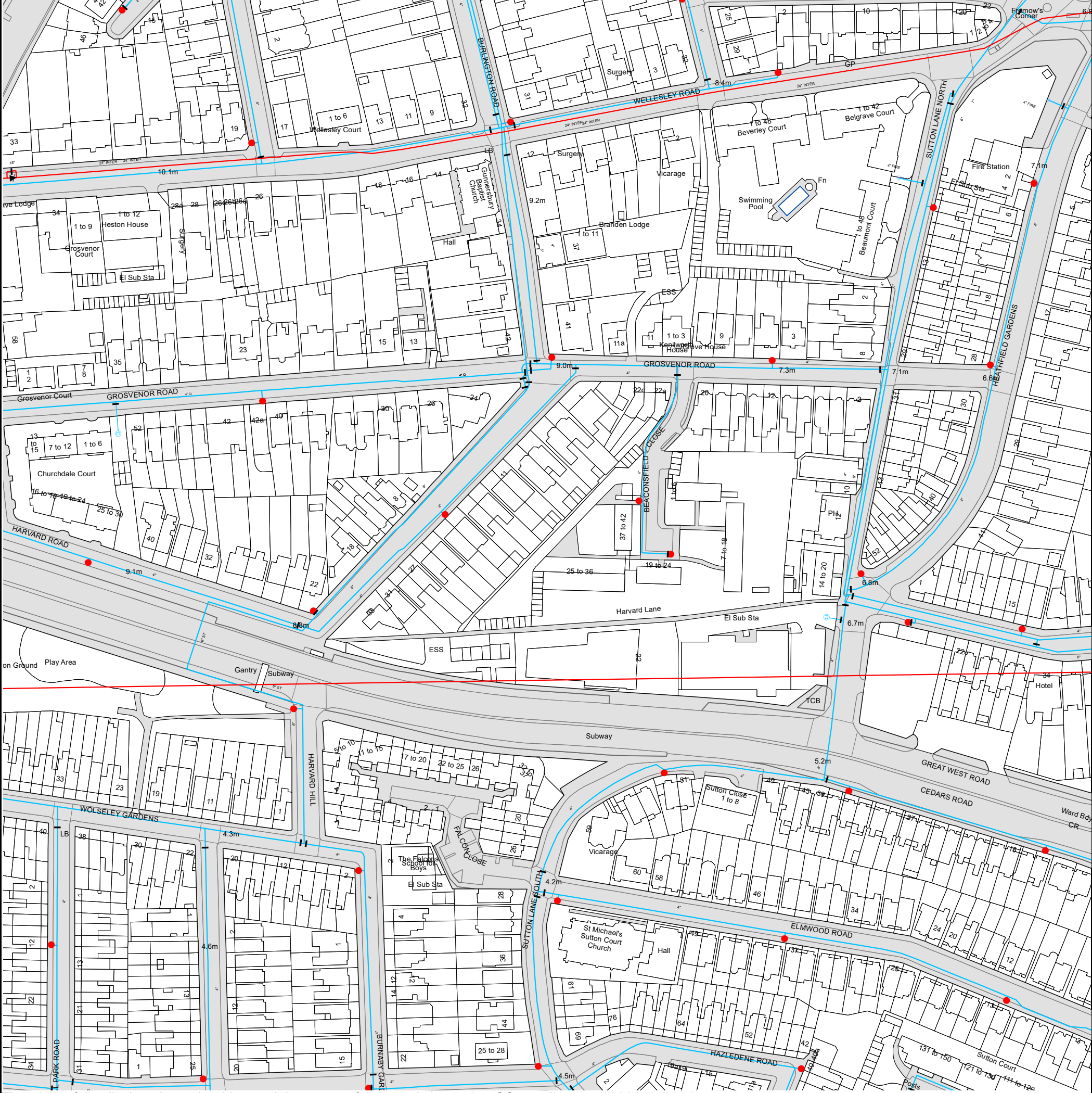
	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)

	Foul Sewer
	Surface Water Sewer
	Combined Sewer
	Gulley
	Culverted Watercourse
	Proposed
	Abandoned Sewer

- 6) The text appearing alongside a sewer line indicates the internal diameter of the pipe in millimetres. Text next to a manhole indicates the manhole reference number and should not be taken as a measurement. If you are unsure about any text or symbology present on the plan, please contact a member of Property Insight on 0845 070 9148.

Asset Location Search Water Map - ALS/ALS Standard/2019 4070901



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 520066, 178084.

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.



ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

4"	Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
16"	Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
3" SUPPLY	Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.
3" FIRE	Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
3" METERED	Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
	Transmission Tunnel: A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
	Proposed Main: A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

	General Purpose Valve
	Air Valve
	Pressure Control Valve
	Customer Valve

Hydrants

	Single Hydrant
--	----------------

Meters

	Meter
--	-------

End Items

Symbol indicating what happens at the end of a water main.

	Blank Flange
	Capped End
	Emptying Pit
	Undefined End
	Manifold
	Customer Supply
	Fire Supply

Operational Sites

	Booster Station
	Other
	Other (Proposed)
	Pumping Station
	Service Reservoir
	Shaft Inspection
	Treatment Works
	Unknown
	Water Tower

Other Symbols

	Data Logger
--	-------------

Other Water Pipes (Not Operated or Maintained by Thames Water)

	Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.
	Private Main: Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL's terms and conditions shall apply.
6. Penalty interest may be invoked by TWUL in the event of unjustifiable payment delay. Interest charges will be in line with UK Statute Law 'The Late Payment of Commercial Debts (Interest) Act 1998'.
7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call 0845 070 9148 quoting your invoice number starting CBA or ADS / OSS	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW. or email ps.billing@thameswater.co.uk	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to ' Thames Water Utilities Ltd ' Write your Thames Water account number on the back. Send to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW or by DX to 151280 Slough 13

Thames Water Utilities Ltd Registered in England & Wales No. 2366661 Registered Office Clearwater Court, Vastern Rd, Reading, Berks, RG1 8DB.



Search Code

IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if the Ombudsman finds that you have suffered actual loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Web site: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Utilities Report



Affected Utilities

Trafficmaster

From: TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>
Sent: 06 September 2019 16:38
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019
Attachments: SPECIAL REQUIREMENTS.pdf; 7107.jpg

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged



Our ref: Damian Sweeney TEL: 01234759112 or 07712129249

New Roads and Street Works Act 1991- Sections 83,84,142 and 143 Codes of Practice Appendix C2

In response to your notice regarding works which you are proposing to undertake.

I can confirm that Trafficmaster does have equipment installed within the boundary of the works. I have enclosed an 'as-built' drawing for your reference. As part of our licence form that was issued from the DETR we are obliged to ensure that our equipment does not interfere with any schemes that are being undertaken. To that end, any outlay incurred resulting from the re-siting, or removal of our equipment will be met by Trafficmaster.

I have also enclosed a copy of our special requirements document that will need to be considered when the scheme is approved. I would also like to offer any assistance that may be of use to you relating to the position of our equipment and the scheme itself. In previous instances we have worked very closely with consultants to try and find an alternative location for our sites should their current location impact on the scheme.

If you have any further queries regarding this or any other programme, please do not hesitate to contact me on my contact details below.

Yours sincerely
For & on Behalf of
Trafficmaster Ltd

Infrastructure Maintenance
plantenquiries@trafficmaster.co.uk

From: Utility Solutions GDC Requests <requests.utilitysolutions@atkinsglobal.com>
Sent: 05 September 2019 07:07
To: TM Plant Enquiries <plantenquiries@trafficmaster.co.uk>; telenttelia.plantenquiries@telent.com; luhvpowerassets@tfl.gov.uk; enquiries@hounslowhighways.org; plantenquiries@psgservices.co.uk
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

CAUTION: This email originated from outside the company.

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick

Site ID Ref: **7107** - **A4** Location: **SUTTON LANE SOUTH**

Location Type: Carriageway; Dual ☒ Single ☐ Site; Hard ☐ Soft ☒ Bridge ☐

24

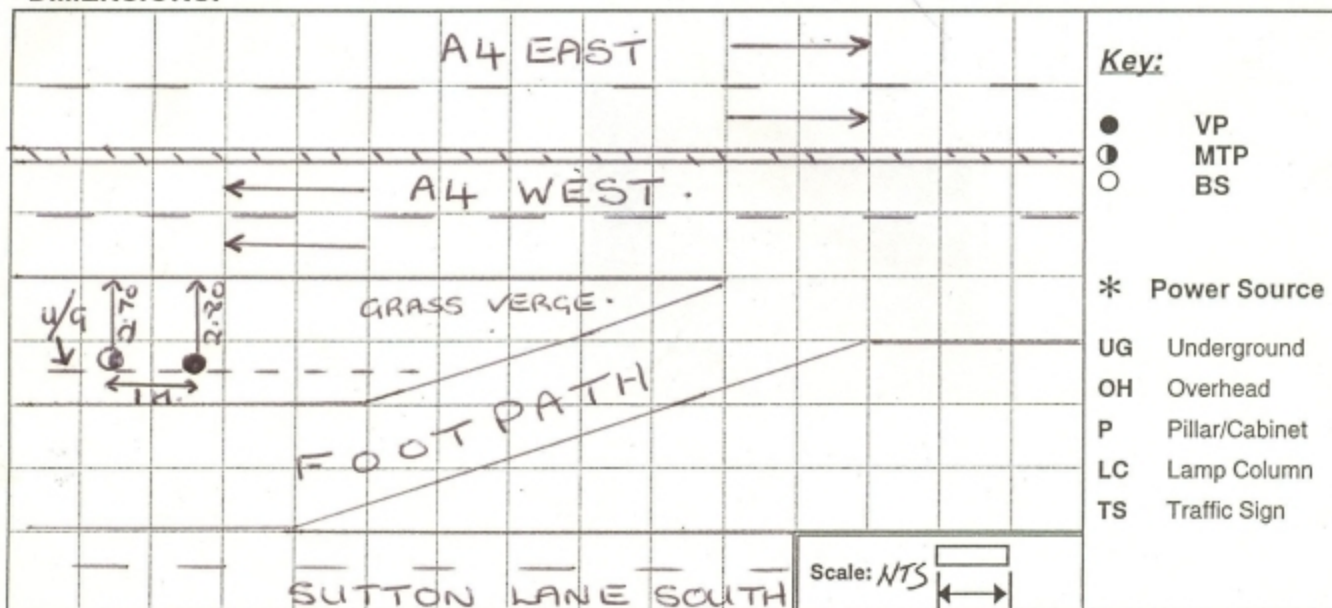
LOCATION:



PHOTOGRAPH:



DIMENSIONS:



Drawn by: **E. Oldfield**

Date: **7-10-99**

SPECIAL REQUIREMENTS IN RELATION TO
TRAFFICMASTER LTD

- 1.) In these Special Requirements, the following terms shall have the Meanings assigned to them:
- a.) 'Company' means:
- Trafficmaster Ltd
- b.) 'Company's Representative' means the Infrastructure Maintenance Manager or Designated Staff of the said 'Company' defined at 1.a of these Special Requirements or its' Authorised Representatives and/or Agents.
- c.) 'Apparatus' means all surface or sub-surface equipment and plant including any associated cabling and/or ducting owned, leased or rented by the said 'Company' defined at 1.a of these Special Requirements.
- 2.) Before commencing any work or moving heavy plant or equipment over any portion of the site, the contractor shall confirm details of the Apparatus within the site with the Company's Representative, who can be contacted at the following offices:

ADDRESS	TELEPHONE NUMBER	
Kyle Hutton and Damian Sweeney Teletrac Navman K1Business Park Kents Hill MiltonKeynes, Buckinghamshire MK7 6BZ GB	01234 759140 01234 759112	

- 3.) Where such details show that the works or the movement of plant or equipment may endanger any Apparatus the Contractor shall give the Company's Representative at least two months written notice, detailing how the works will affect apparatus, of the date on which it is intended to commence such works or the movement of plant or equipment in order that the presence of any sub-surface Apparatus, particularly surface running cabling, is adequately protected from damage and such protective measures shall be to the satisfaction of the Company's Representative.
- 4.) In the event of a Company marker being disturbed for any reason it shall not be replaced other than in the exact position and to it's former depth unless the repositioning is carried out at the direction and under the supervision of the Company's Representative.

- 5.) The Contractor shall take particular care in relation to the protection of the Apparatus, where such Apparatus includes the presence of cameras and equipment boxes. The Contractor should particularly note that damage to such Apparatus is extremely disruptive to the Company network and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Apparatus more than is absolutely necessary for the completion of the works in accordance with the contract.
- 6.) In the event that the planned works will result in a need for Apparatus to be removed, the Contractor must provide the Company with at least one month's notice in order to prepare the Apparatus for removal by the Company's Representative. In each case details of the planned works, including time scales, must be submitted to the Company in order to minimise disruption of the Company network.
- 7.) When excavating, moving or backfilling around Apparatus, the Company's Representative shall be given adequate written notice, which shall not be less than one week, of the Contractor's intentions in order that he may supervise the works. The Contractor should note that the normal depth of cover for Apparatus and ducts is as follows:
 - a.) In carriageways 600 mm, which is to be maintained.
 - b.) In footways 450mm, which is to be maintained.

Where the 600/450 mm depth of cover cannot be maintained the Contractor shall carry out the instructions of the Overseeing Organisation for the protection of Apparatus and such actions that follow from the Overseeing Organisations' instruction shall be supervised by the Company's Representative. Where the required depth of cover cannot be maintained over cabling, such cables as are affected shall be enclosed and protected in UPVC ducts to be supplied by the Company as directed by the Company's representative.

With regard to excavation in the vicinity of any Apparatus and ducts the Contractor shall have particular regard to the possibility of reduced cover and the encountering of Apparatus and ducts of cover less than that given at a.) and b.) above.

- 8.) All excavation adjacent to Apparatus shall be carried out by hand until the exact extent and/or location of Apparatus is known. Mechanical borers and/or excavators shall not be used within 1.0 metres of Apparatus without the supervisory presence of the Company's Representative. To prevent any movement of Apparatus during excavation, complete shuttering shall be used as directed by the Overseeing Organisation if:
 - a.) Excavation is deeper than the depth of cover of adjacent Apparatus.
 - b.) Excavation is within 1.0 metres of Apparatus in stable soil.
 - c.) Excavation is within 5.0 metres of Apparatus in unstable soil.

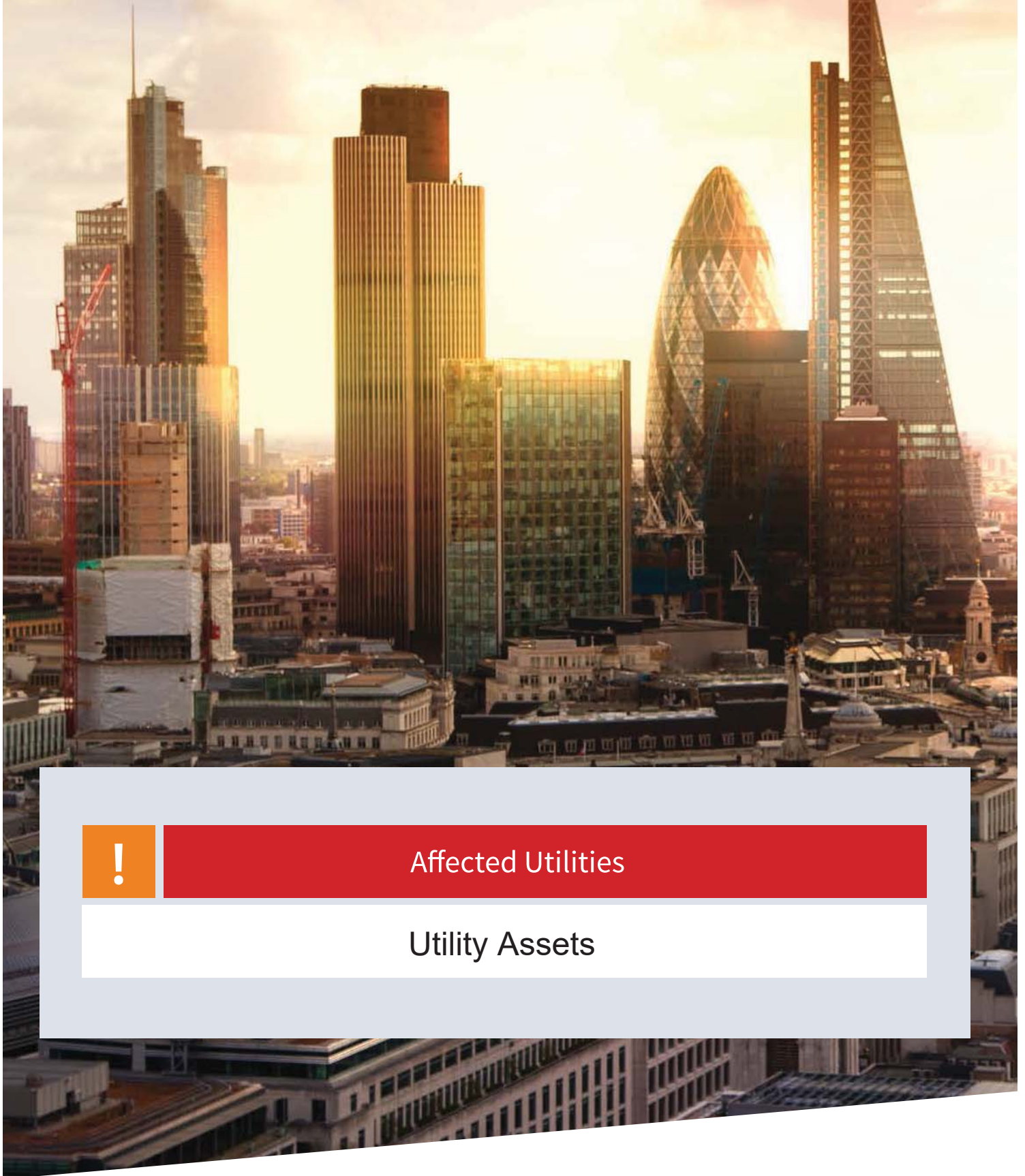
If after the completion of the works the Contractor intends to use any of the following:

- i.) Pile driving equipment within 10.0 metres of Apparatus.
- ii.) Explosives within 20.0 metres of Apparatus.
- iii.) Laser equipment within 10.0 metres of Apparatus.

the Contractor shall advise the Company's Representative, giving at least two weeks notice, in order that any special protective measures for the Apparatus affected may be arranged.

- 9.) The covers to Company Apparatus shall only be opened by means of appropriate keys obtained from the Company's Representative and under the direct supervision of the Company's Representative. No employee of the Contractor or any sub-contractor employed by the Contractor shall enter any Apparatus of the Company unless under the supervision of the Company's Representative. The Company's Representative shall be given reasonable access to all Apparatus and Chambers when required.
- 10.) In the event of any damage whatsoever to the Apparatus, the Contractor shall immediately inform the Company, the Overseeing Organisation and (if required) the Emergency Services.
- 11.) Compliance with the above requirements shall not relieve the Contractor of any of his obligations under the contract.

Utilities Report



Affected Utilities

Utility Assets

ADVISORY NOTICE

SUPPLIER UPDATE: Utility Assets

On 05/09/19, an enquiry was sent to Utility Assets' plant record department. As of the date of issue of this Utilities Report, we have not received a formal response from Utility Assets in regards to owning any equipment on this site. Utility Assets have however advised the following:

"Thank you for recently contacting Utility Assets plant record department. We will check whether we have any plant present at your site and contact you within 5 - 7 working days ONLY if we own any plant in the vicinity.

If we do not reply, we do not have any apparatus in the area of your works. However, PLEASE TAKE CARE when excavating around electricity cables in the event that not all cables present may be accurately shown. We recommend you use detecting equipment to map the site before excavating and fully comply with HSG47. DO NOT assume that a cable is dead if you don't have a record of its presence. The cable must be treated as live unless PROVEN DEAD by the cable owner. In case of emergency please contact your local electricity distribution company.

This is an automated reply from our dedicated asset records email address. If you receive further correspondence from us it will be from asset.manager@utilityassets.co.uk quoting a site reference number.

Asset Manager - Utility Assets Ltd"

If a formal response is received within 3 months of the date of this search it will be forwarded onto you as per our usual service. However, without formal communication from Utility Assets it remains unconfirmed that your site will not be affected by their network. Utility Assets will not acknowledge receipt of this enquiry, or any subsequent queries, unless their network will be affected.

Terms and Conditions

Full Terms and Conditions can be found on the following URL:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

Please note that Utilities Reports have a validity of 3 months from the date of purchase.

If you experience difficulties accessing our Terms and Conditions, please telephone our Customer Service Team on 0844 844 9966.

Utilities Report



Affected Utilities

Virgin Media

CHECKED



ATKINS - Utility Solutions
The Hub, 500 Park Avenue
Aztec West,
Almondsbury,
Bristol
BS32 4RZ

Virgin Media
Field Services
Units 1-12
Broad Lane
Mayfair Business Park
Bradford
Yorkshire
BD4 8PW

Tel: 0870 888 3116 Opt 2

Plant Enquiry Ref: VM.1146022
Letter Date 05.09.2019
Your Ref: 79185
Date: 06.09.2019

Dear Sir/Madam,

Land at Beaconsfield Close, Chiswick W4 3XQ

Thank you for your enquiry regarding work at the above location.
I enclose a copy of our above referenced drawing, marked to show the approximate position of plant owned and operated by Virgin Media.

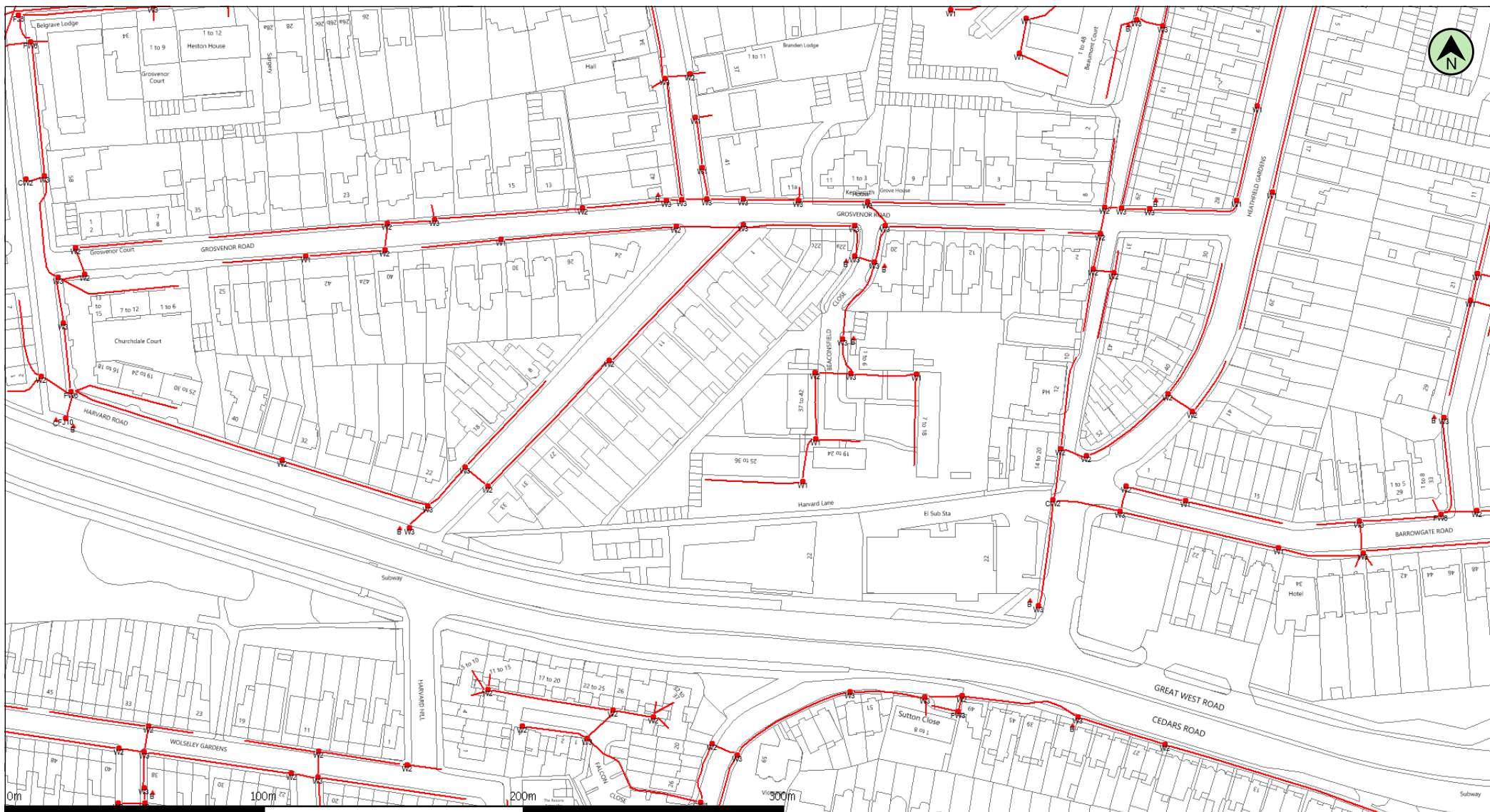
You will be aware that you have a duty to ensure that no damage results to this equipment as a result of your proposed works. Please note that this apparatus may contain Fibre Optic, Coaxial and/or 240v Power Cables and as such, special care must be taken when excavating this area.

Should you require Virgin Media apparatus to be diverted we must agree a specification of works and provide a detailed estimate of costs. The costs are £720 (Business) or £240 (Residential) Inc VAT and the charge applies to each individual scheme requested. Both the estimate and specification will be sent to you within 25 working days of when the payment was received.

This initial payment will cover the following: -

- Detailed site visit by an experienced planning engineer. (Up to 10 hours planning time)
- Detailed specification of works.
- Detailed breakdown of costs.

Payment is required in advance for the estimated cost of detailed design work and the charge applies whether or not your works proceed. Please supply us with your payment and a copy of your plans or drawings and quote 'Our Ref' as above.



(c) Crown copyright and database rights 2019 Ordnance Survey 100019209 Date: 06/09/19 Scale: 1:2080 Map Centre: 520083,178088 Data updated: 02/07/19 Telecoms Plan A4

Important Information - please read The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the "Affected Postcodes.pdf", which can be downloaded from this website. Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan. This plan is produced by Virgin Media Limited (c) Crown copyright and database rights 2019 Ordnance Survey 100019209.

Duct, Trench	Chamber	Cabinet

jagannathan.thiruvengadam@virginme
VM.1146022



Utilities Report



Affected Utilities

Vodafone

From: Badwannache, Sanjana
Sent: 18 September 2019 16:34
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019
Attachments: 79185.pdf; Vodafone-External-Apparatus-Special-Requirements.pdf

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

CHECKED

Please also note that according to our records there is leased and/or third party network within your proposed works. we strongly recommend you contact all other utility providers to gather the extent of services within that area. Unfortunately, we are unable to advise who the plant is leased to or who the third party is.

Note: Only affected part is printed.

IMPORTANT - PLEASE READ = Your Next Step?:-

Where apparatus is affected and requires diversion, please send all the scheme related proposals that affects the Vodafone Network to c3requests@vodafone.com with a request for a 'C3 Budget Estimate'. Please ensure you include a plan showing proposed works. (A location plan is insufficient for Vodafone to provide a costing). These estimates will be provided by Vodafone directly, normally within 20 working days from receipt of your request. Please include proof of this C2 response when requesting a C3 (using the 'forward' option). Diversionary works may be necessary if the existing line of the highway/railway or its levels are altered.

Plant Enquiries Team
T: +44 (0)1454 662881
E: osm.enquiries@atkinsglobal.com

ATKINS working on behalf of Vodafone: Fixed



This response is made only in respect to electronic communications apparatus forming part of the Vodafone Limited electronic communications network formerly being part of the electronic communications networks of Cable & Wireless UK (now re-named Vodafone Enterprise UK), Energis Communications Limited, Thus Group Holdings Limited and Your Communications Limited.

PLEASE NOTE:

The information given is indicative only. No warranty is made as to its accuracy. This information must not be solely relied upon in the event of excavation or other works carried out in the vicinity of Vodafone plant. No liability of any kind whatsoever is accepted by Vodafone, its servants, or agents, for any error or omission in respect of information contained on this information. The actual position of underground services must be verified and established on site before any mechanical plant is used. Authorities and contractors will be held liable for the full cost of repairs to Vodafone's apparatus and all claims made against them by Third parties as a result of any interference or damage.



Please consider the environment before printing this e-mail

From: requests.utilitysolutions@atkinsglobal.com <requests.utilitysolutions@atkinsglobal.com>
Sent: 05 September 2019 11:36
Cc: Utility Solutions GDC Requests <requests.utilitysolutions@atkinsglobal.com>
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick
Works Description: Development Appraisal
Site Grid References: 520083 178088,520136 178129,520022 178042,520106 178134

To whom it may concern,

Please find enclosed a plant enquiry for your attention.



Some of the material in this plan has been reproduced from an Ordnance Survey map with the permission of The Controller of Her Majesty's Stationary Office, © Crown Copyright

Legend

— Underground Route, Route Act. - Owned

— Underground Route, Route Act. - Leased



Vodafone Limited (No01471587) registered office is at Vodafone House, The Connection, Newbury, Berkshire, RG142FN

Plot Date : 18/09/2019 Scale : 1:1250

This plan shows apparatus owned by members of the Vodafone Group of companies (including legacy telecommunication companies currently within the group)

Information with regard to such apparatus should always be obtained from Vodafone or its appointed agents.



Special Requirements relating to the External Plant Network of Vodafone

Contents

1.	Introduction.....	1
2.	Purpose of document.....	1
3.	Scope.....	2
4.	Vodafone Network and Apparatus.....	2
5.	Plant records.....	2
6.	Definitions.....	2
7.	Requirements.....	3
8.	Depths of cover.....	3
9.	Separation.....	4
10.	Jointing chambers.....	5
11.	Notification periods.....	5
12.	Excavation and backfill.....	5
13.	Foam concrete.....	6
14.	Attendance of Company Representative.....	6
15.	Damage reports.....	6
16.	Appendix A – Street Works Team Contacts for Vodafone.....	7
17.	Appendix B – What constitutes Vodafone Network.....	8
18.	About this Document.....	13

1. Introduction

This document sets out the procedure that will apply when Other Parties intend or are undertaking works in the vicinity of Vodafone apparatus (see Appendix B for further information on what constitutes Vodafone apparatus).

2. Purpose of document

This document provides a means by which the Vodafone specific special requirements relating to their apparatus, regardless of it being situated in the public highway / road, private street, land or any other areas, is made aware to Other Parties.



3. Scope

This document will be presented to Other Parties or Contractors to encourage those undertaking works within the vicinity of Vodafone apparatus to refer to and comply with. This is in order to protect where necessary the Vodafone apparatus and to avoid damage to the apparatus and loss of service.

A National Joint Utilities Group (NJUG) document NJUG Volume 3 Guidelines on the Management of Third Party Cable Ducting provides useful reference material.

It should be noted that, where appropriate, additional information on avoiding danger from underground apparatus is contained within the HSG47 guidance book titled "Avoiding Danger from Underground Services."

4. Vodafone Network and Apparatus

Damage to Vodafone apparatus is extremely disruptive and can be expensive to repair, especially where long lengths of cable have to be replaced.

In order to maintain the network integrity and minimise disruption to service, it is essential that disturbances are absolutely minimal. When working within the vicinity of Vodafone apparatus, extreme care is necessary in order to avoid costly repairs. The Other Parties / Contractor shall make every effort to ensure that disturbance of Vodafone apparatus is no more than is absolutely necessary for the completion of the works in accordance with their contract. It should be noted that it is an offence to interfere with Vodafone apparatus without first contacting the company for advice.

5. Plant records

It is the responsibility of the Other Parties undertaking works which may affect Vodafone apparatus to obtain all relevant Vodafone plant records from our agent Atkins Global prior to works commencing. This may be done by contacting the Atkins Global Plant Enquiries Team listed in Appendix B.

Plant records for such enquiries will generally be provided within 10 working days of receipt and in compliance with the New Roads and Street Works Act 1991 [NRSWA] requirements.

6. Definitions

The following definitions are applicable in this document:

- a) **Apparatus** - means all surface or sub-surface equipment and plant used by Vodafone including any associated cables or ducts owned, leased or rented by Vodafone.
- b) **Cable** - means any polythene or other sheath containing optical fibres or metallic conductors.
- c) **Depth of cover** - means the depth from the surface to the topmost barrel of the duct nest, in the case of ducts encased in concrete, to the top of the concrete, and in the case of directly buried cable, the top of the cable.
- d) **Jointing chamber** - means any manhole, surface box or other chamber giving access to Vodafone apparatus or their network.
- e) **Utility** - means an organisation licensed to provide gas, water, electricity, Cable TV or telecommunications services.
- f) **Developer** - means an organisation licensed to develop industrial/residential premises or given license to connect to utility apparatus.



- g) **Contractor** - means the individual, firm or company contracted to undertake the work for a Utility or Other Parties.
- h) **Other Parties** - means the Utilities, Highway or Roads Authorities, Developers, Street/Roads Authority Section 50/109 licensees
- i) **Site** - means the location of, or in the vicinity of, the various works.

7. Requirements

Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Other Parties or Contractor shall notify Vodafone of their intentions. This may be done by contacting Vodafone via the contact list in Appendix B.

Upon receipt of this notification, Vodafone will identify if their apparatus is affected. If any Vodafone apparatus is affected by the works then they will arrange for the necessary records to be provided and confirm details of Vodafone apparatus and network operated within the affected area or adjacent to the proposed work site.

7.1 Location of Plant

It is the responsibility of the Other Parties or Contractors to undertake adequate plant location procedures. These may include searches for metallic cables which must be performed by actively inducing a signal in a cable conductor via a transmitter. A passive search is not considered sufficient.

Before applying a tracing signal to the Vodafone apparatus, the Other Parties or Contractors shall seek confirmation from Atkins Global that the Vodafone apparatus will not suffer any disruption to its networks normal workings as a result of the nature of the signal being induced.

7.2 Trial excavations

Optic fibre cables are very susceptible to damage from excavation tools. They are not electrically conductive and cannot be located by radio induction methods. Once an approximate location is known, the exact location must be ascertained by means of hand dug pilot holes. Where the work to be carried out by the Other Party or Contractor involves excavation in the vicinity of our apparatus, the Other Party or Contractor shall, by trial excavation at his own expense, determine the exact location and depth of the Vodafone apparatus. All excavations adjacent to the Vodafone apparatus are to be carried out by hand until the extent and /or location of the apparatus is known.

All excavation work shall be executed in accordance with the current issue of Health and Safety series booklet HSG47, Avoiding danger from underground services.

8. Depths of cover

The Other Party or Contractor should note that the minimum depths of cover for Vodafone apparatus shall be maintained together with specified separation requirements. Where the minimum depths of cover specified by Vodafone cannot be maintained, the Other Party or Contractor shall at their own expense, carry out the instructions of Vodafone requirements for the protection or diversion of their apparatus.

The Other Party or Contractor should have particular regard to the possibility of encountering Vodafone apparatus (including ducts and cables), at depths of cover other than that reported.

Surface cables (such as cables on bridges or walls) which are liable to be placed in danger from the Other Parties or Contractors works shall be protected, at the Other Parties expense, as directed by the Vodafone representative.



9. Separation

Reference should be made to HSG47 to ensure that adequate separation is achieved. The following details outline the specific requirements of Vodafone and capture the HSG47 requirements.

9.1 High voltage cables

High voltage single core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 500 mm.

High voltage multi-core cables of 1000 V and above shall have a minimum clearance from Company Apparatus of 350 mm.

In exceptional circumstances where the above clearances cannot be maintained, the separating distance may be reduced to a minimum of 175 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the High Voltage cable and the Company Apparatus, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.2 Low voltage cables

Low voltage cables of less than 1000 V shall have a minimum clearance from Company Apparatus of 180 mm. In exceptional circumstances where the above clearance cannot be maintained, the separating distance may be reduced to a minimum of 75 mm. In such circumstances, concrete, of a quality as directed by the Company Representative, must be inserted to completely fill the space between the services, in accordance with the requirements of the Company Representative. Any further services must have a minimum clearance of 250 mm from the concrete.

9.3 Ancillary electrical apparatus

Street furniture such as lamp posts, traffic posts and other such ancillary electrical apparatus shall have a minimum clearance of 150 mm from underground Company Apparatus and 600mm clearance from above ground Company Apparatus.

9.4 High pressure gas mains and other Undertakers plant/equipment

High pressure gas mains shall have a minimum clearance of 450 mm from Company Apparatus. All other undertakers' plant and equipment, when running in parallel with Company Apparatus, shall have a minimum clearance of 200mm. Where gas mains cross Company Apparatus, the minimum clearance shall be 200mm. All other undertakers' plant and equipment, when running across Company Apparatus, shall have a minimum clearance of 100 mm. NJUG Volume 1, Guidelines on the positioning and colour coding of underground utilities' apparatus refers.

9.5 Other Undertakers plant

Other undertakers' plant and equipment which runs in parallel with Company Apparatus shall have a minimum clearance of 200mm. All other undertakers' plant and equipment when running across Company Apparatus shall have a minimum clearance of 100mm.

9.6 Tramways

Each separating distance shall be individually agreed with the Company Representative.



10. Jointing chambers

10.1 Protection

Footway type jointing chambers are not designed to withstand carriageway loadings.

Where such chambers are liable to be placed at risk, either temporarily or permanently, from vehicular traffic or from the movement of plant and/or equipment, they will need to be adequately protected. Alternatively, they may have to be demolished and rebuilt to carriageway standards, at the Other Parties or Contractors expense under supervision of Vodafone representative.

All Vodafone jointing chambers and / or other access points shall be kept clear and unobstructed. Access for vehicles, winches, cable drums and / or any further equipment required by Vodafone for the maintenance of its apparatus, must be maintained at all reasonable times.

10.2 Access

The covers to Vodafone jointing chambers and / or apparatus shall only be lifted by means of the appropriate keys and under the direct supervision of a Vodafone representative. Other Parties or Contractors shall not enter any Vodafone jointing chamber and / or apparatus unless under the supervision of a Vodafone representative and in any case not before the mandatory gas test has been carried out in the presence of Vodafone representative and such checks have shown it to be safe to enter the Vodafone chamber and / or apparatus. The Other Parties or Contractors shall be given reasonable access to Vodafone apparatus and chambers when required.

11. Notification periods

Where the Other Parties or Contractors works or the movement of plant or equipment may endanger Vodafone apparatus, the Other Party or Contractor shall give the Vodafone **at least 7 working days'** notice in writing of the intended date to commence operations.

No excavation should be made without first consulting the relevant Vodafone apparatus layout drawings, which will be made available from the Vodafone agent Atkins Global on request and allowing 28 working days for processing the relevant drawings. However, should this not be possible, direct contact should be made to the Atkins Global Plant Enquiries Team as soon as possible to assess the situation.

When excavating, moving or backfilling (including use of Foamed Concrete for Reinstatements— FCR) around Vodafone apparatus, Vodafone shall be given adequate prior written notice of the Other Parties or Contractors intentions, in order that the works may be adequately supervised. Such notice shall not be less than 3 working days.

12. Excavation and backfill

All excavations adjacent to Vodafone apparatus are to be carried out by hand until the extent and or location of the Vodafone apparatus is known.

Use of mechanical borers and / or excavators shall not be used without the supervisory presence of a Vodafone representative or a given exemption.

Shuttering of the excavation or support to Vodafone apparatus, at the Other Parties or Contractors expense, shall be used as directed by the Vodafone representative.

At least 7 working days' notice must be given to Vodafone in order that any special protective measures which may be required to protect Vodafone apparatus, at the Other Parties or Contractors expense, when equipment such as pile driving, explosives, laser cutting high powered RF equipment or RF test gear, is to be used in conjunction with the works.



Other Parties or Contractors are advised to refer to the National Joint Utilities Group publication: NJUG Volume 1- Guidelines on the Positioning and Colour Coding of Underground Utilities' Apparatus

13. Foam concrete

If foam concrete is being used as the backfill material, it shall not be used either above or within 500 mm of any Company Apparatus. A suitable material in accordance with the specification for the Reinstatement of Openings in Highways shall be substituted.

14. Attendance of Company Representative

If a situation requires the attendance on site of a Vodafone representative for a continuous period of more than 6 hours, suitable facilities shall be provided by the Other Party or Contractor, at their expense, to meet the office and ablution requirements. If a situation arises that requires urgent attention Vodafone will endeavour to attend site within 2 hours for all other occasions arising, 24 hours.

15. Damage reports

In the event of any damage whatsoever occurring to Vodafone apparatus, the Other Party or Contractor shall immediately inform Vodafone by contacting their 24/7 number , (for contact details please refer to Appendix A).

All relevant costs of any subsequent repair and / or removal of the Vodafone apparatus shall be charged to the Other Party or Contractor, irrespective of who affects the repair.

The above requirements do not relieve the Other Party or Contractor of any of their obligations under their contract.



16. Appendix A – Street Works Team Contacts for Vodafone

Function	Address	Phone	Email Address
Streetworks Team	Vodafone Damage Claims, Pavilion 4, 1-2 Berkeley Square , 99 Berkeley Street Glasgow G3 7HR	0333 304 0759	utilitiescentre@vodafone.com
Customer Complaints	n/a	0333 304 0762	n/a
Liability Claims Or Damage to Vodafone Apparatus	Vodafone Damage Claims, Pavilion 4, 1-2 Berkeley Square , 99 Berkeley Street Glasgow G3 7HR	0333 304 1104	claims@vodafone.com
Diversionary Works C2	Atkins Global, The Hub, 500 Park Avenue, Aztec West, Bristol, BS32 4RZ	T: 01454 662881	osm.enquiries@atkinsglobal.com
Diversionary Works C3/C4 Escalations	Smale House, Floor 2E, 114 Great Suffolk Street, London, SE1 OSL	+44 13446 02635	c3requests@vodafone.com
Emergencies 24 Hour – Defects & Faults	n/a	0333 304 0762	n/a
Plant Enquiries Vodafone inc: Cable & Wireless; Mercury Communications; Thus Plc; Energis; Scottish Telecom; Your Comms; Norweb Comms	Atkins Global, The Hub, 500 Park Avenue, Aztec West, Bristol, BS32 4RZ	T: 01454 662881	osm.enquiries@atkinsglobal.com



17. Appendix B – What constitutes Vodafone Network

Vodafone own fibre network dedicated to business and residential users of telecommunications and has an international cable network that provides connectivity to 153 countries, either directly or indirectly through partners, reaching across the Atlantic Ocean, through Europe and on to India and throughout Asia. Spanning approximately 500,000 km in length, including interests in more than 69 major global cable systems, our next-generation network improves the quality and performance of telecommunications services through our use of advance optical and IP transmission.

In the UK & Ireland Vodafone's overall network includes the following legacy networks now owned through acquisitions or Company name changes.

Below are examples of what you could see on the streets and should be aware of:



Vodafone Limited



Cable & Wireless U.K





Mercury Communications Limited



Energis Communications Limited



Thus plc





Scottish Telecom



Your Communications





Norweb Communications



Our apparatus is installed in roads and streets of UK and Ireland, however in some places is undistinguishable from other operators' apparatus, for example in City Centres where high quality infill modular paving chamber covers are found; some with labels and some without.

See below as examples:





The apparatus shown here is now owned, maintained and still in operation by Vodafone and includes.

Vodafone Limited

Cable & Wireless U.K

Mercury Communications Limited

Energis Communications Limited

Thus plc, now Thus Group Holdings Limited

Your Communications Group Limited

Please see the Contact Details in Appendix A for Plant Enquiries and help on site.



18. About this Document

Content Owner

Changes since last version

Reformatted using the current Vodafone template to include updated Contact Details .

End of Document

Utilities Report



Affected Utilities

Zayo Group UK Ltd c/o JSM Group Ltd



Ms Christina Elliott
Atkins
500 Park Avenue Aztec West
Almondsbury Bristol
BS32 4RZ

Zayo Plant Protection Centre
c/o JSM Group Ltd
Plant Protection Department
Sterling House
Mutton Lane
Potters Bar
Herts, EN6 3AR

Date: 05/09/2019

Your Reference: LM 79185/PGV

Our Reference: 16398106

Dear Ms Christina Elliott,

ZAYO GROUP LTD UK AFFECTED C2 PRELIMINARY PLANT ENQUIRY

We acknowledge with thanks your request dated 05/09/2019 06:08:23 AM for information on the location of our assets.

We confirm we have reviewed your proposed plan and have enclosed maps of the area in which Zayo Group UK Ltd have apparatus.

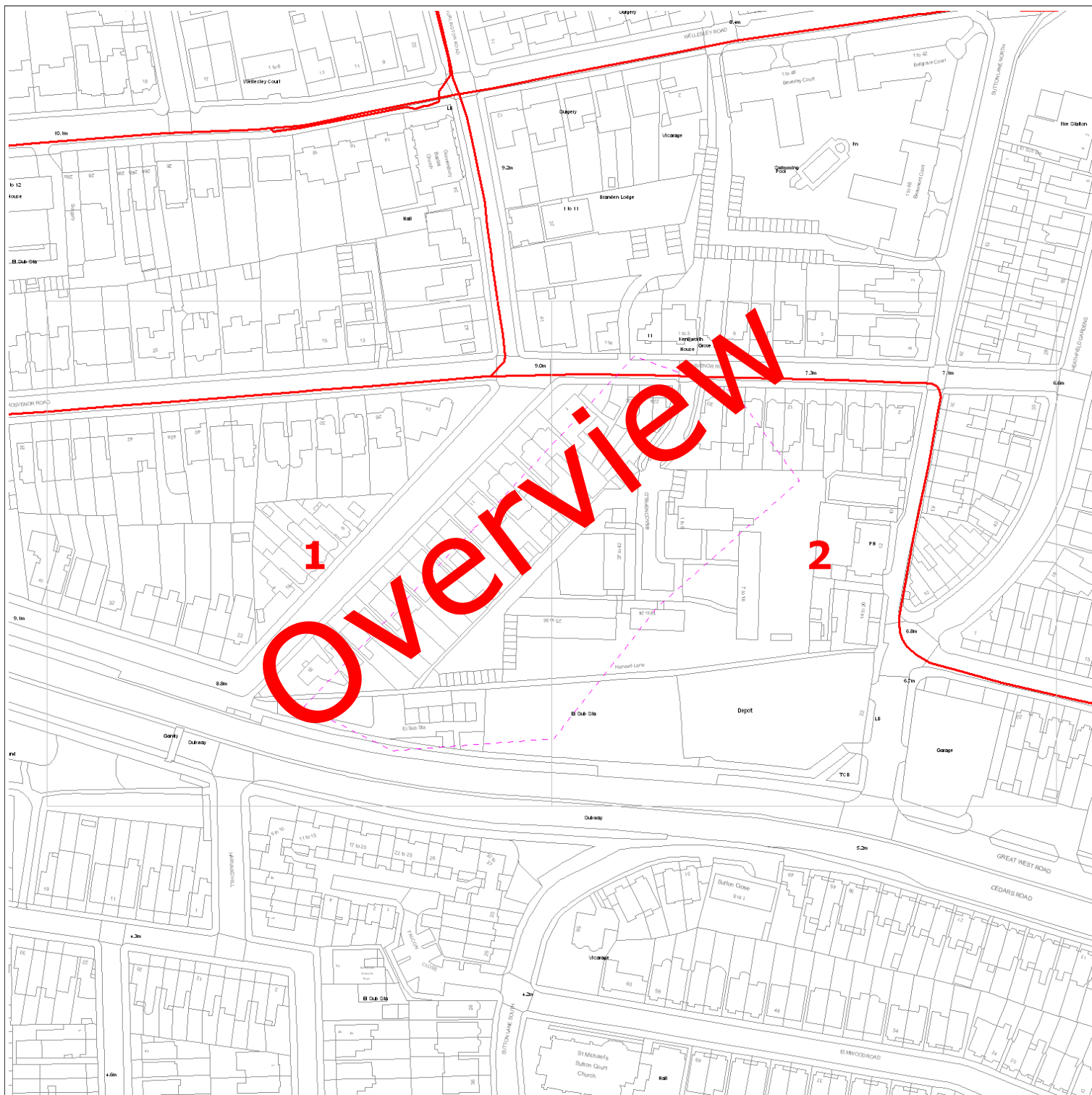
Please note these maps indicate approximate location only and their accuracy cannot be guaranteed. To determine the exact location a trial hole must be dug using extreme caution and hand dig methods only. Please refer to the attached document "Guide to Excavation within the vicinity of Zayo Apparatus".

Please forward all C3 and C4 Diversionary Estimate requests for diversionary works under the New Roads and Street Works Act 1991 "Measures necessary where apparatus is affected by Major Works (Diversionary Works), A Code of Practice", to zayodiversions@jsmgroup.com.

Please do not hesitate to contact us for further assistance.

Yours faithfully,

Zayo Group UK Ltd c/o JSM Group Ltd
JSM Plant Protection Department
T: 01992 655 919
zayoplantenquiries@jsmgroup.com








Date Requested: 05/09/2019

Requested by: Christina Elliott

Company: Atkins

Job Reference: 16398106

Your Scheme/Reference: LM 79185/PGV

 ZAYO DUCT
 or  ZAYO CHAMBER
 Dig Sites: Line  Area 
 Scale on A4 paper: 1:1000

zayo
GROUP

4th Floor Harmsworth House
13-15 Bouverie Street
London EC4Y 8DP

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Zayo Group UK Ltd. Approximate location only is shown. To determine exact location a trial hole must be dug with a Zayo Group UK Ltd Supervisor present. Zayo Group UK Ltd and JSM Construction Ltd accept no liability for errors or omissions.



JSM Group Ltd
Sterling House
Mutton Lane, Potters Bar
Hertfordshire, EN6 3AR
T: 01992 788 019

zayoplantenquiries@jsmgroup.com



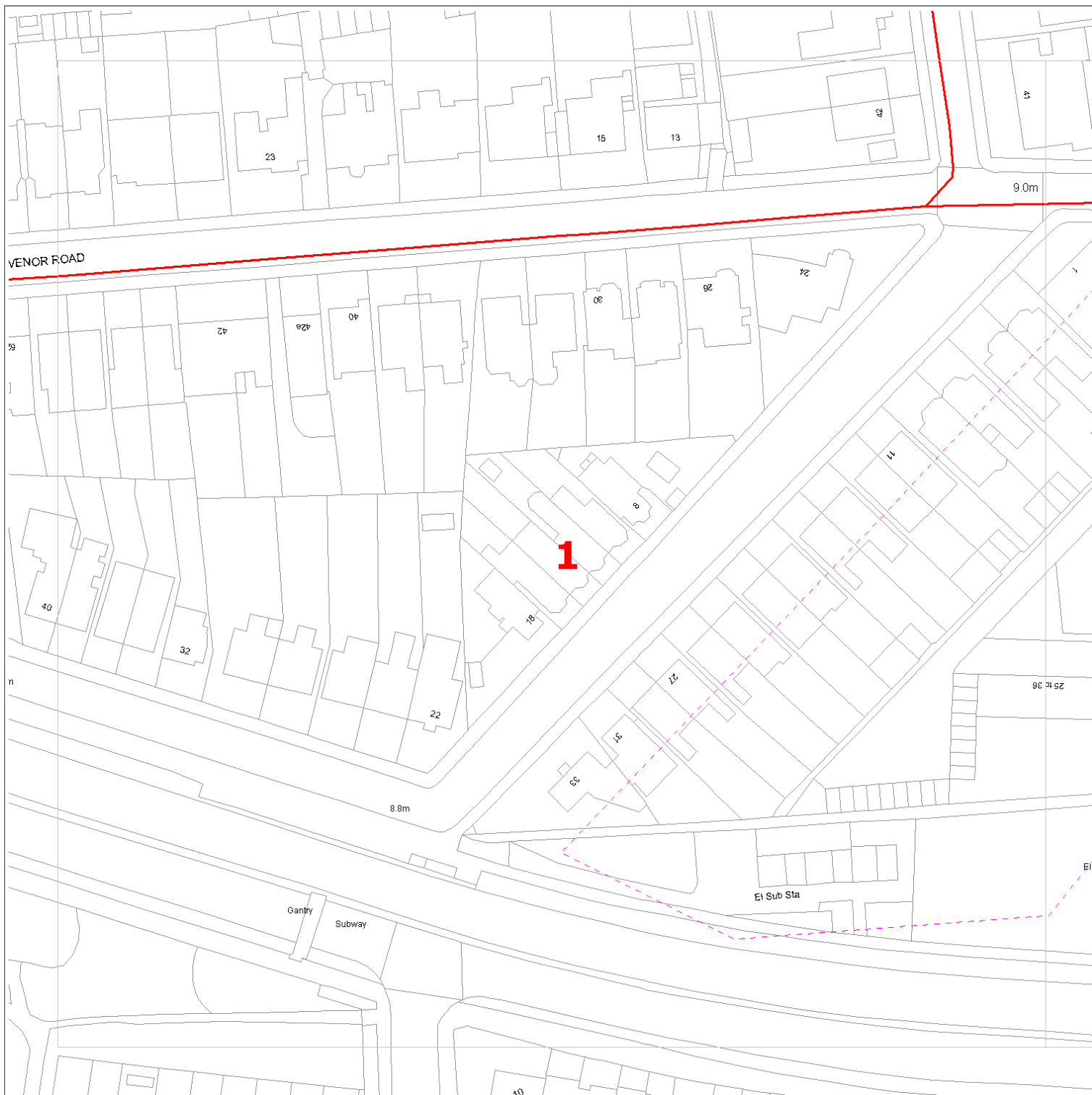
Protecting Lives, Cables & Pipes

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed



In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

CROWN COPYRIGHT © All Rights Reserved. Ordnance Survey Licence number: 100040487








Date Requested: 05/09/2019

Requested by: Christina Elliott

Company: Atkins

Job Reference: 16398106

Your Scheme/Reference: LM 79185/PGV

 ZAYO DUCT
 or  ZAYO CHAMBER
 Dig Sites: Line  Area 
 Scale on A4 paper: 1:1000

zayo
GROUP

4th Floor Harmsworth House
13-15 Bouverie Street
London EC4Y 8DP



JSM Group Ltd
Sterling House
Mutton Lane, Potters Bar
Hertfordshire, EN6 3AR
T: 01992 788 019

zayoplantenquiries@jsmgroup.com

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Zayo Group UK Ltd. Approximate location only is shown. To determine exact location a trial hole must be dug with a Zayo Group UK Ltd Supervisor present. Zayo Group UK Ltd and JSM Construction Ltd accept no liability for errors or omissions.



Protecting Lives, Cables & Pipes

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed



In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

CROWN COPYRIGHT © All Rights Reserved. Ordnance Survey Licence number: 100040487



Date Requested: 05/09/2019

Requested by: Christina Elliott

Company: Atkins

Job Reference: 16398106

Your Scheme/Reference: LM 79185/PGV

— ZAYO DUCT
 ■ or ■ ZAYO CHAMBER
 Dig Sites: Line — Area ■
 Scale on A4 paper: 1:1000

zayo
GROUP

4th Floor Harmsworth House
 13-15 Bouverie Street
 London EC4Y 8DP

The information on this document is proprietary and shall not be used, copied, reproduced or disclosed in whole or in part without written consent of Zayo Group UK Ltd. Approximate location only is shown. To determine exact location a trial hole must be dug with a Zayo Group UK Ltd Supervisor present. Zayo Group UK Ltd and JSM Construction Ltd accept no liability for errors or omissions.



JSM Group Ltd
 Sterling House
 Mutton Lane, Potters Bar
 Hertfordshire, EN6 3AR
 T: 01992 788 019

zayoplantenquiries@jsmgroup.com



Protecting Lives, Cables & Pipes

Warning: PDF designed for colour print only with no page scaling. This Information is given as a guide only and its accuracy cannot be guaranteed



In Emergency Only and if Zayo Plant or Cables damaged call: 0800 169 1646

CROWN COPYRIGHT © All Rights Reserved. Ordnance Survey Licence number: 100040487

GUIDE TO CONTRACTORS UNDERTAKING EXCAVATIONS IN THE VICINITY OF ZAYO PLANT

1. Prior to commencing any work or moving heavy plant or equipment over any portion of the site, the Contractor shall confirm details of the location of the Zayo apparatus by contacting and requesting utility drawings from LinesearchbeforeUdig

All Enquirers should register free of charge for the Zayo plant enquiry service at LinesearchbeforeUdig <http://www.linesearchbeforeudig.co.uk/>

Or follow the direct link to register at <http://onecall.linesearchbeforeudig.co.uk/RegisterNewUser> and start your search there.

If you have any queries or wish to speak to a member of the JSM Plant Protection Team please call 01992 655 919.

The accuracy of information on the plans cannot be guaranteed and no liability can be accepted for errors or omissions.

2. Where the utility drawings show that the works or the movement of plant or equipment may endanger the Zayo Apparatus the Contractor must mark out the location of the Zayo Apparatus and ensure the apparatus is adequately protected from damage.
3. The contractor should note that damage to Zayo's Fibre-optic network is extremely disruptive and costly to reinstate. The Contractor shall make every effort to avoid the disturbance of Zayo's apparatus for the completion of the work.
4. When excavating, moving or backfilling around Zayo's apparatus The Contractor should note that the normal depth of cover for Zayo ducts are as follows:
 - Carriageway 600mm
 - Footway 350mm
 - Verge 350mm
5. With regard to excavation in the vicinity of Zayo's apparatus the Contractor should be aware of the possibility of reduced cover and the possibility of encountering Zayo apparatus at depths of cover less than that given above.
6. All excavation adjacent to Zayo apparatus is to be carried out by hand until the exact extent and/or location of the Zayo apparatus is known. Use spades and shovels in preference to other tools.

7. Do NOT use Mechanical borers and/or excavators within 0.5m of Zayo Apparatus.
8. To prevent any movement of Zayo apparatus during excavations, complete shuttering shall be used if:
 - The excavation is deeper than the depth of cover of the adjacent Zayo apparatus.
 - The excavation is within 1.0m of Zayo apparatus in stable ground.
 - The excavation is within 5.0m of Zayo apparatus in unstable ground.
9. If for the completion of the works the Contractor intends using any of the following:
 - Pile driving equipment within 10.0m of Company Apparatus.
 - Explosives within 20.0m of Company Apparatus.

Then the Contractor shall advise the Zayo Plant Protection Centre giving a minimum 10 working days written notice.

10. All Zayo manhole, joint box and /or other access points and chambers within the site shall be kept clear and unobstructed at all times to allow access by Zayo and /or their Contractor to carryout maintenance on the network. The Contractor should particularly note that footway type jointing chambers are not specified for carriageway loadings and will need to be adequately protected and/or demolished and rebuilt by Zayo where such chambers are likely to be placed at risk, either temporarily or permanently, from the movement of plant and/or equipment on the site.
11. The covers to Zayo chambers and/or apparatus shall only be lifted by means of appropriate manhole keys under the direct supervision of a Zayo Representative. No employee of the Contractor or of any sub-contractor employed by the Contractor shall enter any Zayo chamber and/or apparatus unless under the supervision of a Zayo Representative.
12. In the event of any damage whatsoever to Zayo apparatus, the Contractor shall immediately report the incidence to Zayo by contacting Zayo as follows:

Telephone: 0800 169 1646 (Zayo 24Hr Network Operations Centre)

Damage to Communications Plant is Expensive – Please Take Care

Please note these basic safety details are explained in detail in the HSE booklet HS(G)47 – Avoiding Danger from Underground Services.

Utilities Report



Not Affected Utilities

Some Utility Companies have replied to confirm they would not be affected by work on, or close to, the search area. Their responses are enclosed in the following pages for your records.



We have checked CityFibre's website and in this instance your area is not affected.

From: Plant Enquiries <plantenquiries@energetics-uk.com>
Sent: 05 September 2019 20:17
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

Dear Sir/Madam,

Thank you for submitting your recent plant enquiry.

Based on the information provided, I can confirm that Energetics **does not** have any plant within the area(s) specified in your request.

If you require further assistance with outstanding enquiries, please call 03300 587 443.

Please ensure all plant enquiries are sent to plantenquiries@energetics-uk.com

Regards



From: requests.utilitysolutions@atkinsglobal.com <requests.utilitysolutions@atkinsglobal.com>
Sent: 05 September 2019 07:06
Cc: requests.utilitysolutions@atkinsglobal.com
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick
Works Description: Development Appraisal
Site Grid References: 520083 178088,520136 178129,520022 178042,520106 178134

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the [entire site area shown within the boundary on the attached map](#). Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

It would be greatly appreciated if you could respond to this enquiry by 23/09/2019. Your prompt response will assist with our clients proposals in your interests of plant protection.

If you have any queries in relation to this plant enquiry please do not hesitate to contact us.

From: plantenquiryservice@gtc-uk.co.uk
Sent: 05 September 2019 11:30
To: Utility Solutions GDC Requests
Subject: GTC Plant Enquiry - Ref- 1092087
Attachments: 1092087.png

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

GTC Apparatus Not Found In Search Area

Our Plant Enquiry Service Ref: 1092087
Your Enquiry Ref: LM 79185/PGV

Dear Chrissy,

Thank you for your enquiry concerning apparatus in the vicinity of your proposed work. GTC can confirm that we have no apparatus in the vicinity but please note that other asset owners may have and ensure all utility owners have been consulted. For your records, the search area is shown in the attached map.

Please note our assets now include those owned and operated by:

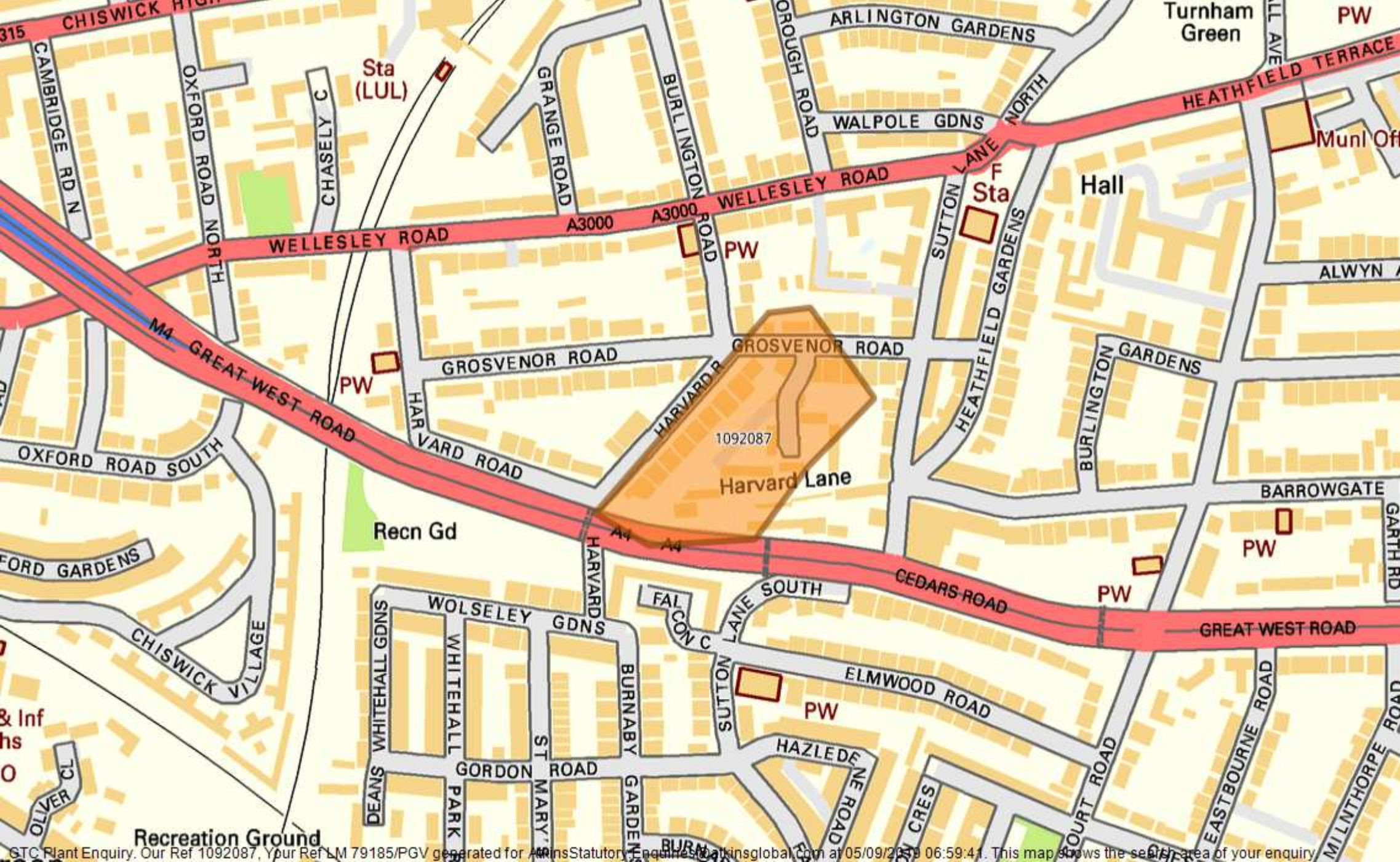
- GTC Pipelines Limited
- Independent Pipelines Limited
- Quadrant Pipelines Limited
- Electricity Network Company Limited
- Independent Power Networks Limited
- Independent Water Networks Limited
- Independent Fibre Networks Limited
- Independent Community Heating Limited

If you have any queries or require any further information please do not hesitate to contact us.

Your sincerely,

GTC Plant Enquiry Service.

GTC
Synergy House
Woolpit Business Park
Woolpit
Bury St Edmunds
Suffolk, IP30 9UP
Tel: 01359 240363
plant.enquiries@gtc-uk.co.uk



From: Buddi Spandana <Spandana.Buddi@networkrail.co.uk> on behalf of OP Buried Services Enquiries <OPBuriedServicesEnquiries@networkrail.co.uk>
Sent: 05 September 2019 16:50
To: Utility Solutions GDC Requests
Subject: RE: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

Dear Sir/Madam,

With regards to your enquiry, Network Rail does not believe there is any Network Rail owned apparatus or underground services within the area you have defined. As there is always the possibility that new works could be planned and undertaken in this area by Network Rail this information is valid as at today's date and is supplied for general guidance only.

Please be aware that this response is based on Network Rail's records and knowledge and no guarantee can be given regarding accuracy or completeness. CAT scans, safe digging practices (as contained in HSE publications) and other appropriate investigative techniques should always be carried out.

There may be other apparatus or underground services owned or operated by Utility Companies and accordingly you should contact individual utilities for information.

If, in connection with your investigations and/or work, you become aware of Network Rail apparatus or underground services within your area of work, please ensure these are notified to our Asset Protection team via the following link as a matter of urgency so that appropriate measures for avoidance of risk and damage can be put in place.

Contact details can be found in the following link: [Network Rail Asset Protection Teams](#)

If you require any further clarification on any of the information please contact opburiedservicesenquiries@networkrail.co.uk.

Regards,

Spandana Buddi

Distribution Administrator, Worksite Survey



>> For service information and updates visit [AIS Hub](#)

>> For the latest news visit Route Services on [MyConnect](#)

Worksite Survey Team | Asset Information Services
National Records Group | Audax Road | York YO30 4US
T: 01904386374
spandana.buddi@networkrail.co.uk
www.networkrail.co.uk

From: requests.utilitysolutions@atkinglobal.com <requests.utilitysolutions@atkinglobal.com>
Sent: 05 September 2019 07:06

From: NRSWA <nrswa.nrswa@sky.uk>
Sent: 05 September 2019 14:27
To: Utility Solutions GDC Requests
Subject: Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - 23/09/2019

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged



Thank you for your enquiry.

Please be advised that Sky Telecommunications Services Ltd will not be affected by your proposal.

Best endeavours have been made to ensure accuracy, however if you require further information, please contact us by email at nrswa@sky.uk.

Regards

NRSWA Department
Tech UK - Implementation

sky | TECHNOLOGY

✉ nrswa@sky.uk ☎ +44 20703232234

From: requests.utilitysolutions@atkingglobal.com <requests.utilitysolutions@atkingglobal.com>
Sent: 05 September 2019 07:06
Cc: requests.utilitysolutions@atkingglobal.com
Subject: [EXTERNAL] Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick
Works Description: Development Appraisal
Site Grid References: 520083 178088,520136 178129,520022 178042,520106 178134

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the [entire site area shown within the boundary on the attached map](#). Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

telent
Mayne House
Fenton Way
Basildon
Essex
SS15 6TD
United Kingdom

www.telent.com

Date 09/09/2019
Our Ref LPENQ0000114397

Dear Sir/Madam

Teliasonera Line Plant Enquiry.

Thank you for your correspondence enclosing details of your proposals as per your reference below.

79185 – Land at Beaconsfield Close, Chiswick

Our client's apparatus, Teliasonera, is not located within the vicinity of the above reference and we therefore have no further interest in this current location.

Please note that all enquiries relating to the Teliasonera line plant should be forwarded to:

By post – to, telent,
 Teliasonera line plant enquiries,
 Mayne House,
 Fenton Way,
 Basildon,
 Essex
 SS15 6TD

By email - to, telenttelia.plantenquiries@telent.com

By phone – to, 01268 269096

Yours faithfully

Telent CCO

Basildon



Your ref: 79185

Our Ref: AD/NRS46197WA/ENQ/TFL: 54341

11th September 2019

Dear Sir/Madam

Plant Enquiry: Land at Beaconsfield Close, Chiswick

Thank you for your email dated 5th September 2019.

Our records show no traffic control equipment, within the sites of your anticipated works.

Should you vary the location of the works, please inform us so that further checks can be made.

The information relates to traffic control equipment, owned by Transport for London and believed to be correct.

Yours faithfully

Viv Lloyd
Plant Enquiries Officer
Network Performance - Regulation
[Transport for London](#)
Surface Transport | Network Management Directorate
Email: plantenquiries@tfl.gov.uk

From: UK OSP-Team <osp-team@uk.verizon.com>
Sent: 05 September 2019 17:45
To: Utility Solutions GDC Requests
Cc: UK OSP-Team
Subject: RE: [E] Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Follow Up Flag: Follow up
Due By: 21 September 2019 00:00
Flag Status: Flagged

Dear Sir/Madam

Verizon is a licensed Statutory Undertaker.

We have reviewed your plans and have determined that Verizon (Formally known as MCI WorldCom, MFS) has no apparatus in the areas concerned.

If you have any further queries please do not hesitate to get in touch.

Yours faithfully

Plant Protection Officer E.mail osp-team@uk.verizon.com

From: requests.utilitysolutions@atkinsglobal.com [mailto:requests.utilitysolutions@atkinsglobal.com]
Sent: Thursday, September 5, 2019 7:06 AM
Cc: requests.utilitysolutions@atkinsglobal.com
Subject: [E] Plant Enquiry - 79185 - Land at Beaconsfield Close, Chiswick - Please respond by 23/09/2019

Our Reference: 79185
Site Name: Land at Beaconsfield Close, Chiswick
Works Description: Development Appraisal
Site Grid References: 520083 178088,520136 178129,520022 178042,520106 178134

To whom it may concern,

Please find enclosed a plant enquiry for your attention.

We request plans showing the location of your company's affected plant in relation to the [entire site area shown within the boundary on the attached map](#). Grid references and postcodes relative to the site boundary are provided on the attached map to help you locate the site.

Within your response please quote our reference number and the name of the site shown above. If you do not have any apparatus in this area, please could you send written confirmation to declare that no apparatus is affected. Please also include information relating to the use and location of Radio Frequency Identification Devices (RFIDs) where available.

It would be greatly appreciated if you could respond to this enquiry by 23/09/2019. Your prompt response will assist with our clients proposals in your interests of plant protection.

If you have any queries in relation to this plant enquiry please do not hesitate to contact us.

Kind regards,

ATKINS - Utility Solutions

Important Consumer Protection Information

This search has been produced by Landmark Information Group Ltd, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD.

Tel: 0844 844 9966
Fax: 0844 844 9980
Email: helpdesk@landmark.co.uk

Landmark Information Group Ltd is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- Provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom.
- Sets out minimum standards which firms compiling and selling search reports have to meet.
- Promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals.
- Enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Search Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that products and services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP

Tel: 01722 333306
Fax: 01722 332296
Web site: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.
PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Complaints Procedure

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Landmark Information Group Ltd
Landmark UK Property
Imperium
Imperial Way
Reading
RG2 0TD

Tel: 0844 844 9966
Email: helpdesk@landmark.co.uk
Fax: 0844 844 9980

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman Scheme (TPOs):

Tel: 01722 333306
Email: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.