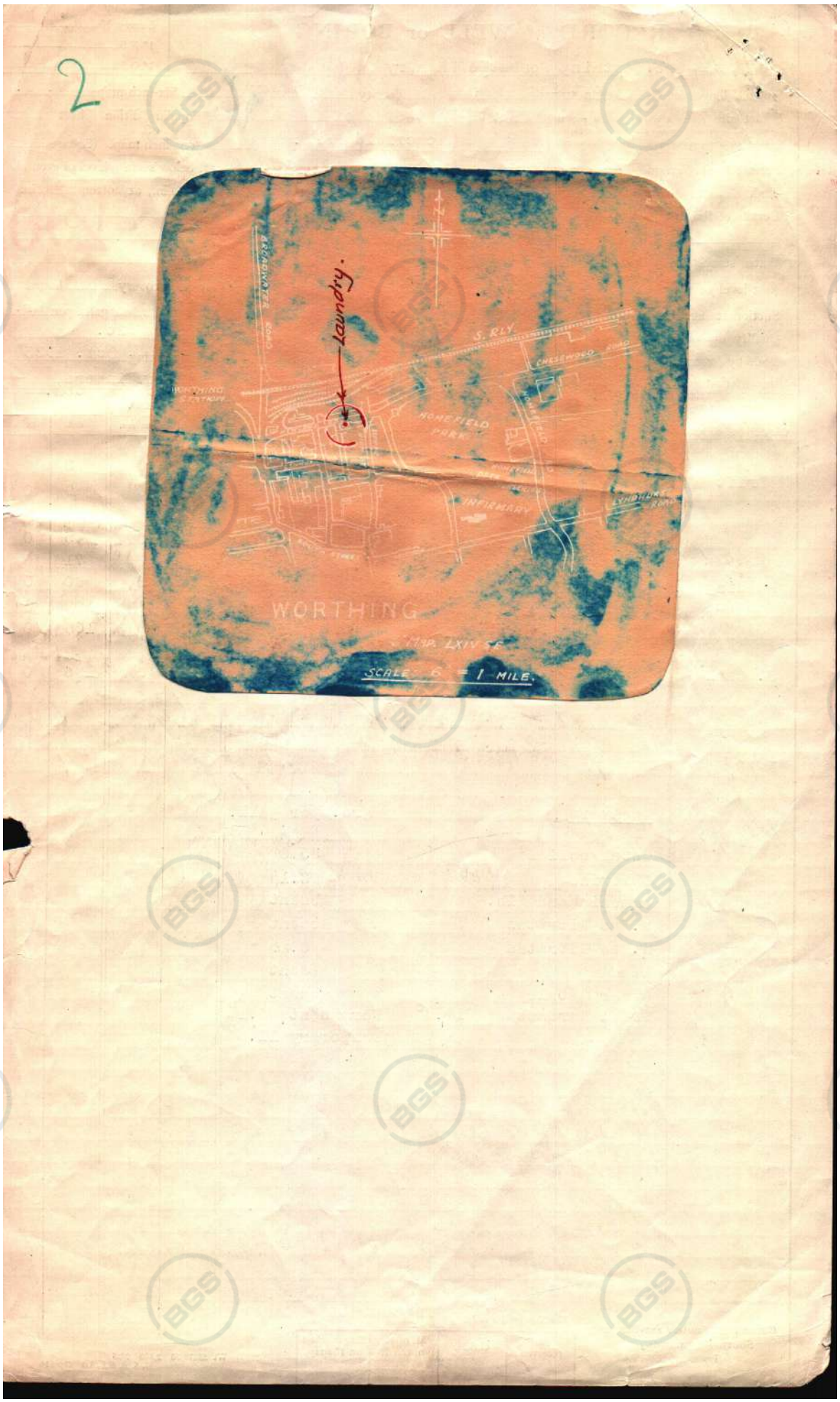
British Geological Survey



British Geological Survey

41222/16/1464

TQ10/7

MINISTRY OF LOCAL GOVERNMENT AND PLANNING

WATER ACT, 1945

LICENCE

to extend existing works in the area defined in the South Sussex Area (Conservation of Water) Order, 1949, made under Section 14(1) of the Water Act, 1945.

THE MINISTER OF LOCAL GOVERNMENT AND PLANNING, on the application of the Worthing and District Laundry Limited (hereinafter referred to as "the Company") and in pursuance of his powers under section 14(6) of the Water Act, 1945, hereby licences the said Company to extend the existing well at 82, Newland Road, Worthing, Sussex, the situation of which is more particularly shown on the plan annexed hereto and thereon marked 8, by the installation of a new pump for the purpose of abstracting additional quantities of underground water therefrom subject to the following conditions:-

(1) The maximum quantity of water which shall be abstracted daily from the borehole shall be 16,000 gallons.

(2) Daily records shall be kept of the quantity of water abstracted from the borehole and shall be produced if so required to any person who is authorised to exercise in relation to the said borehole the power conferred under paragraph (a) of sub-section (12) of Section 14 of the Water Act, 1945.

GIVEN under the Official Seal of the Minister of Local Government and Planning this second day of May 1951.

Assistant Secretary,

Ministry of Local Government and Planning

L.8.

British Geological Survey

The attention of the licensee is drawn to subsection (8), (9), (10) and (12) of Section 14 of the Water Act, 1945, which are as follows:-

14(8) Any person who contravenes any of the foregoing provisions of this section or any requirement imposed thereunder or any condition attached to a license granted for the purposes of subsection (3) or subsection (5) of this section shall be guilty of an offence against this Act.

(9) No person shall in any area to which this section applies -

(a) cause or allow any underground water to run to waste from any well borehole or other work except for the purpose of testing the extent or quality of the supply or cleaning, sterilising, examining, or repairing the well, borehole or other work; or

(b) abstract from any well, borehole, or other work water in excess of his reasonable requirements;

Provided that, where underground water interferes or threatens to interfere with the execution or operation of any underground works (whether waterworks or not), it shall not be an offence under this subsection to cause or allow the water to run to waste so far as may be necessary to enable the works to be executed or operated, if no other method of disposing of the water is reasonably practicable.

(10) A person who contravenes any provision of the last foregoing subsection shall, in respect of each offence, be liable on summary conviction to a fine not exceeding ten pounds and the court may, on the conviction of any person, order that the well, borehole or other work shall be effectively sealed or may make such other order as appears to the court to be necessary to prevent waste of water.

If any person fails to comply with any such order of the court, the court may (without prejudice to the imposition of any penalty for contempt of court), on the application of any local authority within whose county or district the well, borehole or other work is situated, or of any statutory water undertakers affected or likely to be affected by the waste, authorise the authority or undertakers to take such steps as may be necessary to execute the order, and any expense incurred in taking any such steps shall be recoverable as a civil debt from the person convicted.

(12) Any officer of a local authority whose county or district is comprised wholly or partly in an area to which this section applies, and any officer of any statutory water undertakers likely to be affected by any failure to enforce the provisions of this section in any such area, being an officer authorised for the purpose by the local authority or undertakers concerned shall, on producing, if so required, some duly authenticated document showing his authority, have a right at all reasonable hours -

(a) to enter any premises in the area for the purpose of ascertaining whether there is, or has been, on or in connection with the premises any contravention of the provisions of this section; or

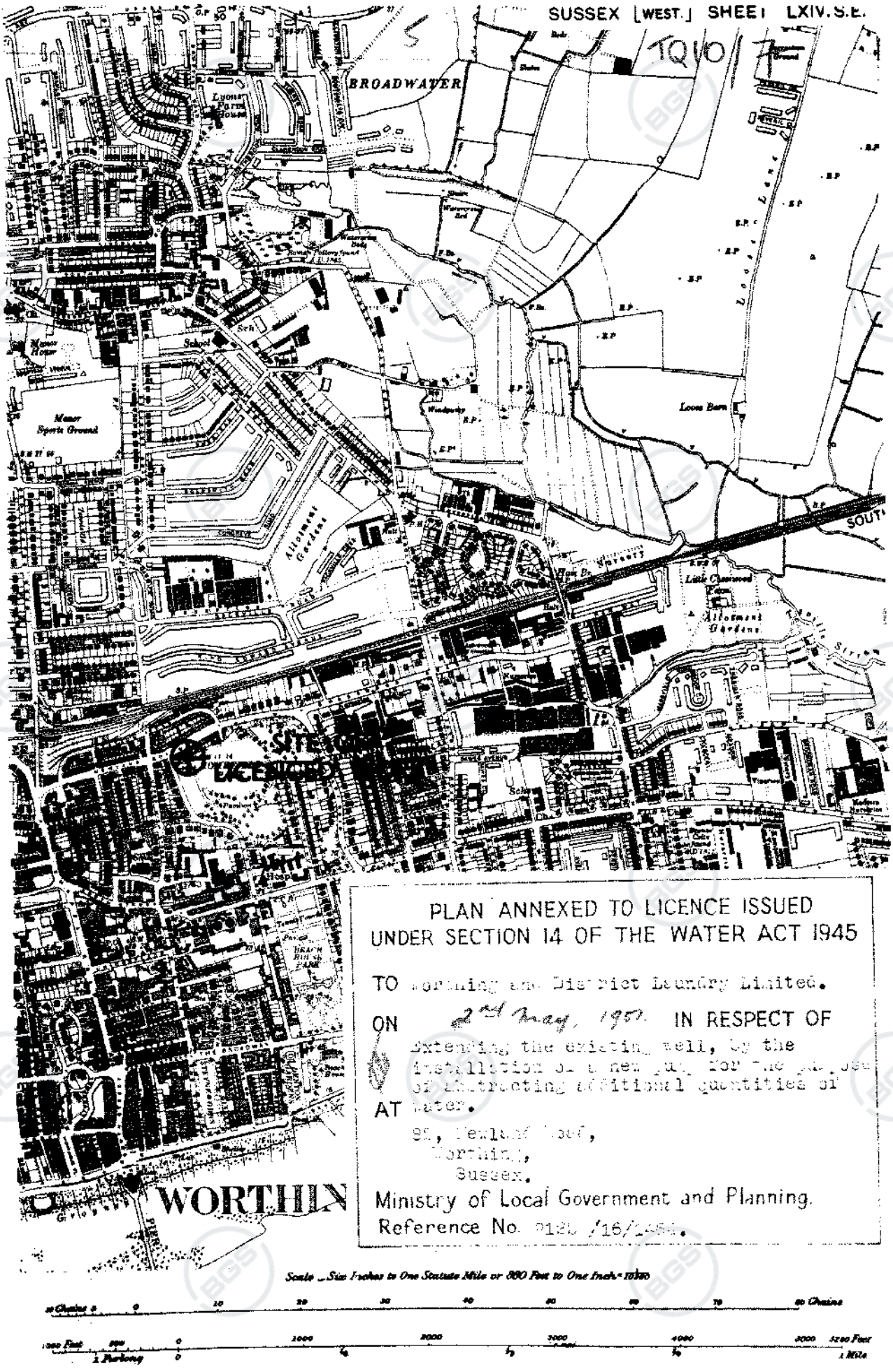
(b) to enter any premises in which the authority or undertakers have been authorised to execute an order of the court made under subsection (10) of this section, for the purpose of executing that order;

and the section of this Act relating to entry of premises shall apply to any such right of entry.

Attention is also drawn to Section 7 of the Act which requires that any person who proposes to sink, for the purpose of searching for or abstracting water, a well or borehole intended to reach a depth of more than 50 feet below the surface shall, inter alia, before he begins to do so give notice to the Geological Survey and shall keep a journal of the progress of the work, and send a complete copy of it to the Survey. For more detailed and precise information on this subject, the licensee is referred to the pamphlet "Notification of New Wells and Boreholes for Water", obtainable from the Director, Geological Survey and Museum, Exhibition Road, South Kensington, S.W.7.

4/50/73

British Geological Survey



b a3

British Geological Survey

R.W.L. - trickling out at ground surface
Tested with surface pump to IOOO gallons per hour

318/156

3 [illegible] 1/[illegible]/35

(N.B. This bore hole is IIOO feet due west of the one sunk at the Springfield Laundry,-referred to above on page I -. Height relative to O.D. being the same and site is equidistant from the sea. The Chalk in this vicinity appears to be as a synclinal fold - the difference in R.W.L. as related to O.D. is of interest.) (In the case of the Springfield Laundry the water was struck at 92' from surface after the bore hole had penetrated twenty-one feet of Chalk and this water rose to within IO' of ground surface;while in the case of the Domestic Laundry,water was struck at I56' from surface after the bore hole had penetrated forty-eight feet of Chalk and this water rose to ground surface.)

318/157

Copied for Sussex Well Box No. 511

W Edmunds
A.D.
28.10.35.

b a3

British Geological Survey

Bore hole No.	Log TQ 10 SE/171	Depth (m)	Water Table	Cohesion kN/m²	Angle of friction	N blows/ 0·3 m	Type of foundation	Remarks
2610		G.L.						3·32 O.D.
[1583 0343]	Fill (tarmacadam, brown silty clay with gravel and fragments of brick)	1·53						
	Brown fine to coarse gravel with clay binder	1·83	W.S.					
	Firm mottled grey brown sandy clay	1·98 2·13	S.W.L.					
	Grey, clayey fine sand	3·35		67				
	Very stiff light grey sandy clay	4·11 4·86		182				
	Firm to stiff friable light brown clayey silt.	5·80						
	Stiff fissured dark grey silty clay with traces of shells	6·40		48				
	Dense grey and brown clayey fine sand with bands or layers of silty clay.	7·32 8·05	W.S.					
		10·70						

Appendix E
UTILITY SERVICE PLANS



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License 100031653

Legend

- Underground Route.Route Active - Leased
- Underground Route.Route Active - Third Party

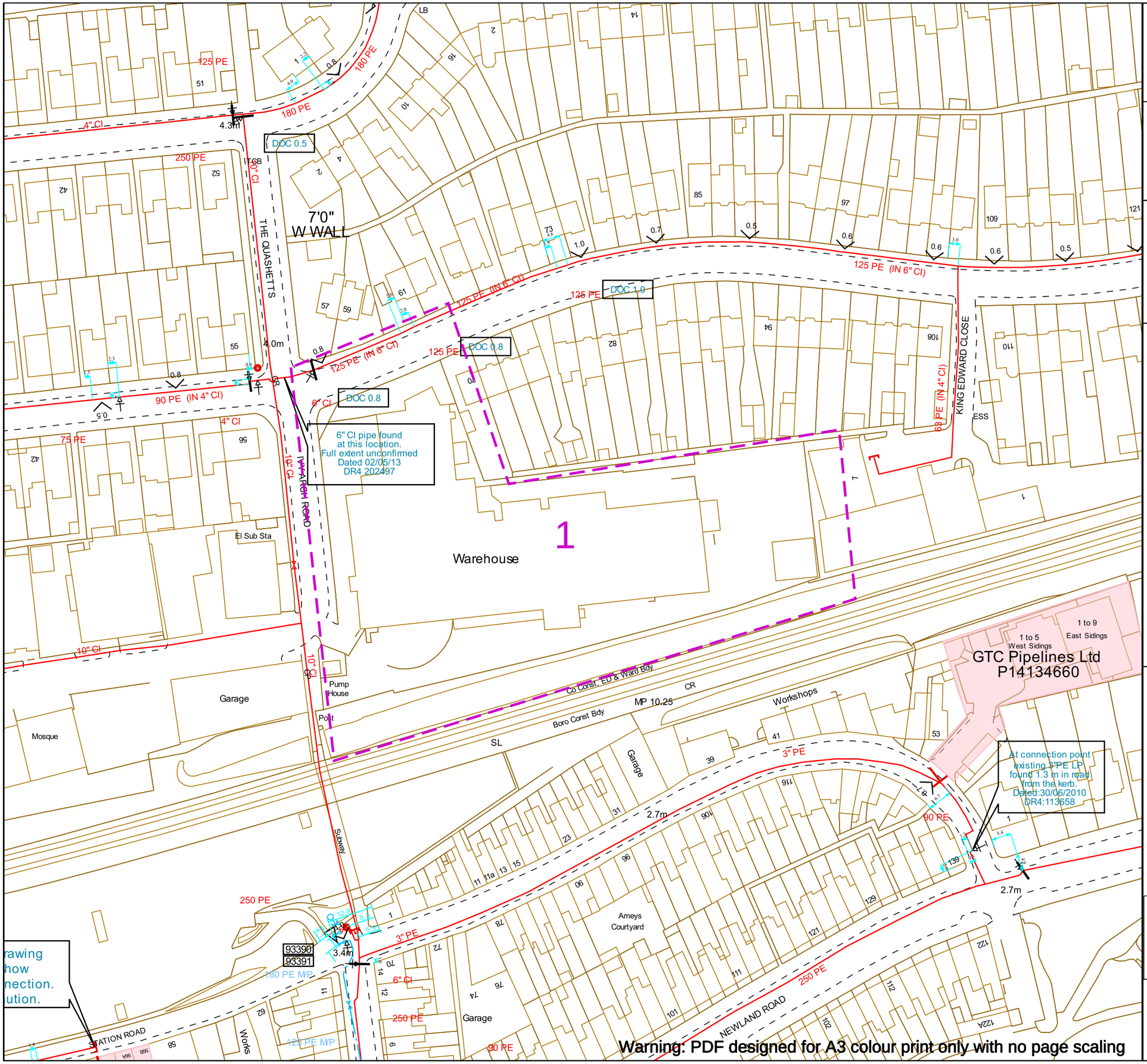
vodafone

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

Plot Date : 12/04/2024	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.



Contact Us
SGN Safety Admin Team:
0800 912 1722
Email:
plantlocation@sgn.co.uk

Date Requested: 11/04/2024
Job Reference: 33062212
Site Location: 515059 103514
Requested by: Miss Monique Elsom

Your Scheme/Reference: 305407

Scale: 1:1000 (When plotted at A3)

This plan shows the location of those pipes owned by Scotia Gas Networks (SGN) by virtue of being a licensed Gas Transporter (GT). Gas pipes owned by other GTs or third parties may also be present in this area but are not shown on this plan. Information with regard to such pipes should be obtained from the relevant owners. No warranties are given with regard to the accuracy of the information shown on this plan. Service pipes, valves, siphons, sub-connections etc. are not shown but their presence should be anticipated. You should be aware that a small percentage of our pipes/assets may be undergoing review and will temporarily be highlighted in yellow. If your proposed works are close to one of these pipes, you should contact the SGN Safety Admin Team on 0800 912 1722 for advice. No liability of any kind whatsoever is accepted by SGN or its agents, servants or sub-contractors for any error or omission contained herein. 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 plant location information is provided to all persons (whether direct labour or sub-contractors) working for you on or near gas apparatus. Information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

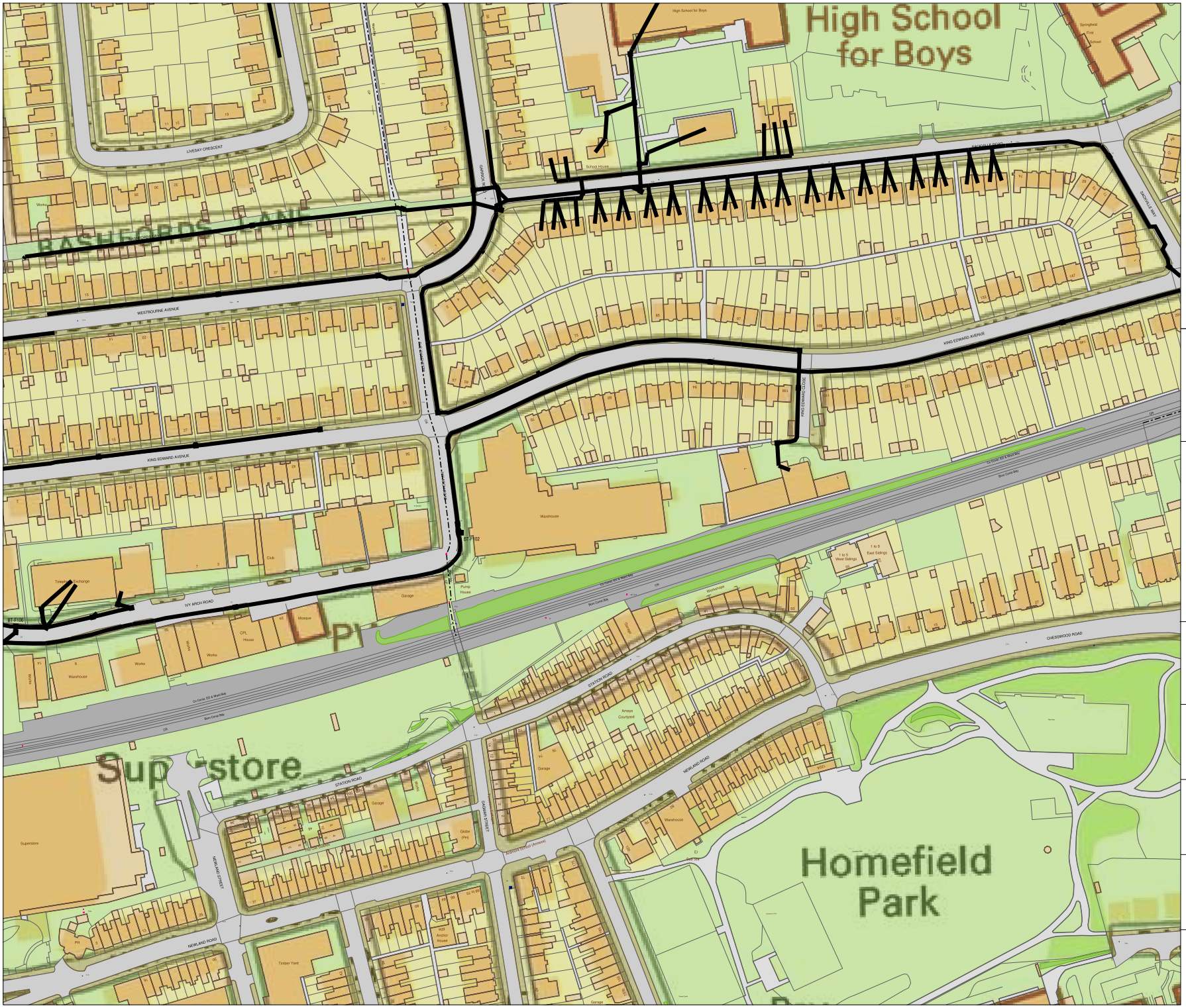
Low Pressure Mains
Medium Pressure Mains
Intermediate Pressure Mains
High Pressure Mains
LAs
GTs
SSSIs

Some Examples Of Plant Items
Valve | Syphon | Depth of Cover | Diameter Change | Material Change

Digsite: Line: Area:

This plan is reproduced from or based on the OS map by Scotia Gas Networks plc, with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved. Southern Gas – 100044373 and Scotland Gas – 100044366.

Warning: PDF designed for A3 colour print only with no page scaling



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LEGEND

EXISTING PLANT

EXISTING PLANT

bitmap_layout select_raster

Head Office
CityFibre Holdings Ltd
15 Bedford Street,
London,
WC2E 9HE

Tel: 0845 293 0774
Web: www.cityfibre.com

Asset Office
CityFibre Holdings Ltd,
Rutherford House,
Birchwood,
Warrington,
WA3 6ZH

Email: asset.team@cityfibre.com

Disclaimer:

Information shown on this plan is for general guidance only. No warranty is made as to its accuracy.
This plan must not be solely relied upon in the event of excavation or other works being carried out in the vicinity of Cityfibre plant.
No liability of any kind is accepted by Cityfibre, its agents or servants for any error, omission, discrepancy or deviation. This information is valid for the date printed.

Project

Plant Enquiry

Drawing

Existing Plant

Drawn by:

smallworld

Date: 11/04/2024

Drawing No.

CFH_EP_000001

Revision

001

Scale: 1:2500

A4

0m 20m 40m 60m 80m 100m

N

Worksite Survey Team
National Records Centre
Audax Road
YORK

YO30 4US

NRSWA Asset Enquiries

Dear Sir/Madam,

Please find information available as per the checklist.

The information contained herein is based on Network Rail's records and, where appropriate, third parties such as utility companies. The search enclosed does not cover a search of local council records. Also, schematic Signal and Telecom (S&T) cables plans are not provided as part of the search results, therefore you must assume S&T cables are present until proven otherwise.

Although at the date of this letter the information is as up to date as possible, it is **NOT** a statement of validity, accuracy or completeness as to any of the enclosed search information and must not be relied on as such.

Your risk assessment **MUST** take into account:

- That the information supplied, including the services shown on the map from the Rail Infrastructure Network Model (RINM), does not provide any guarantee as to the accuracy of the actual location of services on site and **MUST** be considered as for guidance purposes only.
- That new/unrecorded services are likely to be present
- That the enclosed buried services search information has been collated only for the ELR and Mileage boundaries as stated on the original request form

Included in the buried services search is a list of ASPRO engineers & managers you **MUST** contact before any ground disturbance is carried out, to check whether further information is held locally.

Further guidance can be obtained from the Health and Safety Executive publication HSG47 "Avoiding Danger from Underground Services" and the Network Rail Publication NR/L2/INI/CP1030.

Should you become aware of any additional underground services or assets within the locality during your investigations and/or works, including redundant assets, please identify them as a matter of urgency to the site manager. Records of the location of these assets should be kept for onward transmission and entry into the Hazard Directory.

Yours sincerely

NRSWA Team

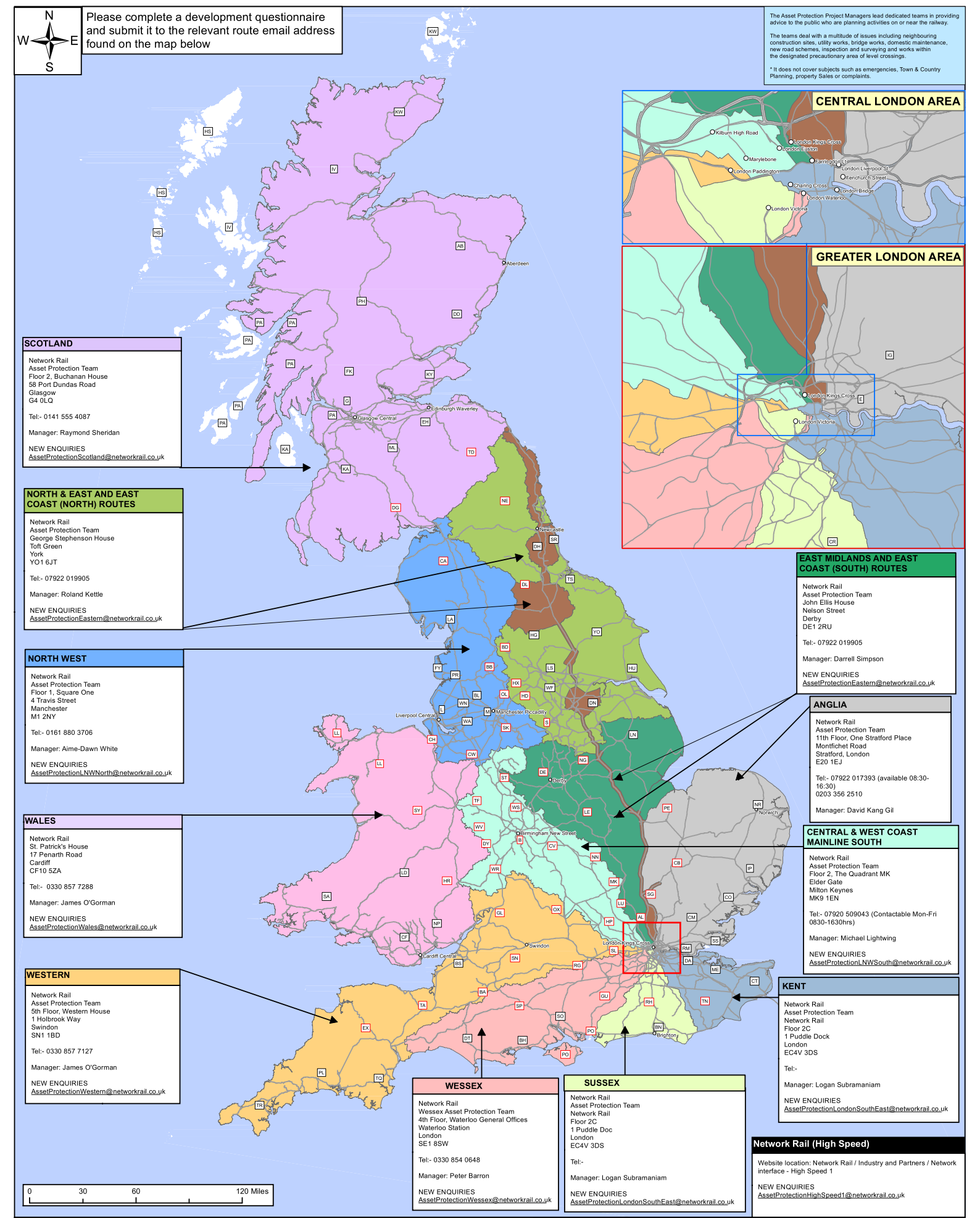
Worksite Survey

Buried Services Information Checklist

Your Ref	305407 - Boxx Storage, Worthing	Our Order Ref	204129

Network Rail Record Type	Category	Enclosed Yes/No	Notes (e.g. Nil Return)
Asset Protection National Map	Contact Ino	Y	
Hazard Directory	Hazard	Y	
Site Map	GIS Systems	Y	
eB - Corporate records management system	National Records Group	N	Nil Return
Network Rail - Drainage	GIS Systems	Y	
National Records Group - Civils Records	National Records Group	Y	

NIL RETURN: After interrogating the information made available to us, no records containing buried services information have been returned for this worksite. However, reference must be made to the guidelines supplied with this buried services search, which contain important information on safe working practices.



SCOTLAND

Network Rail
Asset Protection Team
Floor 2, Buchanan House
58 Port Dundas Road
Glasgow
G4 0LQ

Tel:- 0141 555 4087

Manager: Raymond Sheridan

NEW ENQUIRIES
AssetProtectionScotland@networkrail.co.uk

NORTH & EAST AND EAST COAST (NORTH) ROUTES

Network Rail
Asset Protection Team
George Stephenson House
Toft Green
York
YO1 6JT

Tel:- 07922 019905

Manager: Roland Kettle

NEW ENQUIRIES
AssetProtectionEastern@networkrail.co.uk

NORTH WEST

Network Rail
Asset Protection Team
Floor 1, Square One
4 Travis Street
Manchester
M1 2NY

Tel:- 0161 880 3706

Manager: Aime-Dawn White

NEW ENQUIRIES
AssetProtectionLNWNorth@networkrail.co.uk

WALES

Network Rail
St. Patrick's House
17 Penarth Road
Cardiff
CF10 5ZA

Tel:- 0330 857 7288

Manager: James O'Gorman

NEW ENQUIRIES
AssetProtectionWales@networkrail.co.uk

WESTERN

Network Rail
Asset Protection Team
5th Floor, Western House
1 Holbrook Way
Swindon
SN1 1BD

Tel:- 0330 857 7127

Manager: James O'Gorman

NEW ENQUIRIES
AssetProtectionWestern@networkrail.co.uk

WESSEX

Network Rail
Wessex Asset Protection Team
4th Floor, Waterloo General Offices
Waterloo Station
London
SE1 8SW

Tel:- 0330 854 0648

Manager: Peter Barron

NEW ENQUIRIES
AssetProtectionWessex@networkrail.co.uk

SUSSEX

Network Rail
Asset Protection Team
Network Rail
Floor 2C
1 Puddle Doc
London
EC4V 3DS

Tel:-

Manager: Logan Subramaniam

NEW ENQUIRIES
AssetProtectionLondonSouthEast@networkrail.co.uk

EAST MIDLANDS AND EAST COAST (SOUTH) ROUTES

Network Rail
Asset Protection Team
John Ellis House
Nelson Street
Derby
DE1 2RU

Tel:- 07922 019905

Manager: Darrell Simpson

NEW ENQUIRIES
AssetProtectionEastern@networkrail.co.uk

ANGLIA

Network Rail
Asset Protection Team
11th Floor, One Stratford Place
Montfichet Road
Stratford, London
E20 1EJ

Tel:- 07922 017393 (available 08:30-16:30)
0203 356 2510

Manager: David Kang Gil

CENTRAL & WEST COAST MAINLINE SOUTH

Network Rail
Asset Protection Team
Floor 2, The Quadrant MK
Elder Gate
Milton Keynes
MK9 1EN

Tel:- 07920 509043 (Contactable Mon-Fri 0830-1630hrs)

Manager: Michael Lightwing

NEW ENQUIRIES
AssetProtectionLNWSouth@networkrail.co.uk

KENT

Network Rail
Asset Protection Team
Network Rail
Floor 2C
1 Puddle Dock
London
EC4V 3DS

Tel:-

Manager: Logan Subramaniam

NEW ENQUIRIES
AssetProtectionLondonSouthEast@networkrail.co.uk

Network Rail (High Speed)

Website location: Network Rail / Industry and Partners / Network interface - High Speed 1

NEW ENQUIRIES
AssetProtectionHighSpeed1@networkrail.co.uk

LEGEND

CH — UK Postcode (within single NR Territory)

CH — UK Postcode (split between NR Territories)

Rail Network

Please note that the route boundaries for the North West & Central Region are currently under review, and therefore this layer represents the latest available data in our systems. The representation of North West & Central regional boundaries in this layer may not represent latest boundary position. Care should be taken when using this information as this information is currently not being updated.

ASPRO NATIONAL MAP

CLIENT:	TECHNICAL AUTHORITY		
JOB NO.:	10519.112	USE TYPE:	[OFFICIAL]
SCALE :	1:3,000,000 @ A3	DATE:	10/08/2022
VERSION:	01	PRODUCED BY: AS	QA BY: N/A

NetworkRail
Asset Information Services

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GeospatialReportingAnalysis@NetworkRail.co.uk

Corporate GIS data is subject to frequent updates therefore any data exported from the corporate GIS system is a static representation of the data at the time of export, and should be treated as such. No warranty or guarantee is given as to the absolute accuracy or completeness of this information. Network Rail disclaims any responsibility for any loss, damage or inconvenience howsoever caused arising out of or as a consequence of reliance on this information in any context.

Order ID: 204129

ELR	Start Mileage	End Mileage
BLI1	10.0336	10.0534

National Hazard Directory

Terms and Conditions

The National Hazard Directory (NHD) is issued by Network Rail to provide information on those hazards recorded as present on Network Rail's infrastructure. Its' purpose is to alert users to the typical hazards they may come across whilst working on Network Rail's Infrastructure. The National Hazard Directory is maintained by Network Rail to provide its employees and contractors with information on known hazards present on the infrastructure in order to assist in the identification of the associated risks working 'on or near the line'.

The records are updated regularly and therefore Network Rail believe that the contents are reasonably accurate at the time of issue, but some of the information can vary in age and accuracy so for that reason Network Rail will give no warranty as to the suitability of its use. It is recommended that all searches (in particular for buried services) should be conducted together with a site specific risk assessment/site visit, taking into account the requirements of the appropriate track safety rules, rule books/industry standards and so on. Network Rail will accept no liability in respect of the content or subsequent use of the National Hazard Directory or any of the information contained within.

Users of the Directory must note that when working on or near the line that the appropriate requirements of the Rule Book, especially the provisions of the track safety rules, must be applied as appropriate to the activity concerned.

OnTrac Ltd does not warrant the use of the Network Rail National Hazard Directory or any of the information contained within and no representations or warranties are made as to completeness or accuracy of the data. The data should be used for reference purposes only. Accordingly, OnTrac Ltd will accept no responsibility for loss of profit or for any indirect, incidental or consequential damages.

National Hazard Directory

Customised Report

Search Criteria: ELR(s) = BLI1; Mileage From = 10.0336; Mileage To = 10.0534; Hazard Code(s) = HB, HBA, HBC, HBCS, HBD, HBE, HBF, HBFR, HBFS, HBG, HBI, HBL, HBM, HBN, HBO, HBP, HBR, HBS, HBSW, HBT, HBU, HBW, HCT, HU, HXE
Date: 12/04/2024

10 Hazards found.

ELR	ELR Name	Mileage From	Mileage To	Hazard Code	Hazard Description	Local Name	Track ID	Free Text
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	8.1320	11.1287	HBE	Buried Electrical Cables	Lancing S/S - West Worthing S/S	Down Main/Fast	Track id indicative only: Cable Type = 3x1 Core 185mm, AL Cond, XLPE
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0506	10.0506	HBM	Buried Multi-Product Pipe	Worthing	All/Multiple Tracks	Extension of Pipe in Goods Yard. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0506	10.0506	HXE	Buried & Overhead Electric Cable	Worthing	All/Multiple Tracks	Laying Elect Cables/Annex to 8475. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0506	10.0506	HXE	Buried & Overhead Electric Cable	Worthing	All/Multiple Tracks	Laying of Elect Cable/Annex to 6568. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0509	10.0509	HXE	Buried & Overhead Electric Cable	Worthing	All/Multiple Tracks	Electric cable laid 450mm from eastern abutment. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0528	10.0528	HXE	Buried & Overhead Electric Cable	Worthing	All/Multiple Tracks	Elect Light Cables. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0528	10.0528	HBF	Buried Foul Water Service	Worthing	All/Multiple Tracks	36" S W sewer. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0528	10.0528	HBG	Buried Gas Pipe	Worthing	All/Multiple Tracks	Main under subway. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0532	10.0532	HXE	Buried & Overhead Electric Cable	Worthing	All/Multiple Tracks	Lighting cables installed in subway. Info on underground/overhead services <gas, water, electricity> has not been validated.
BLI1	BRIGHTON (WEST COAST) - LITTLEHAMPTON JN	10.0532	10.0532	HBG	Buried Gas Pipe	Worthing	All/Multiple Tracks	Gas main under subway. Info on underground/overhead services <gas, water, electricity> has not been validated.

Page Navigation Index Map (1:2500 scale maps)

1



Legend

Network Rail Company Ownership Boundary

Order Polygon

Order ID: 204129

Plot Date: 11/04/24

N

NetworkRail

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Ordnance Survey 0100040692

User Drawn Polygon / Area of Interest - Order ID : 204129


N
SACKVILLE CRESCENT
SACKVILLE ROAD
SACKVILLE WAY
RUSKIN ROAD
ANGOLA ROAD
WARNER ROAD
KING EDWARD AVENUE
GARRICK ROAD
THE QUASHETTS
IVY ARCH ROAD
SOUTHDOWN ROAD
CHESSWOOD ROAD
HALSBURY ROAD
BOVEDELL ROAD
Springfield First School
School House
Warehouse
Garage
Chesswood Middle School
Hampden Court
Play Area
Sub Sta
El Sub Sta
Village
Coal Drops
Loop
Post
Up Goods
Up Slow
Up Fast
Down Goods
Down Slow
Down Fast
Eastbourne Branch Up Slow & Up Goods
Eastbourne Branch Down Slow & Down Goods
Brighton Branch Up Fast
Brighton Branch Down Fast
Worthing Branch Up Fast
Worthing Branch Down Fast
Worthing Branch Up Slow & Up Goods
Worthing Branch Down Slow & Down Goods
Brighton Branch Up Slow & Up Goods
Brighton Branch Down Slow & Down Goods
Eastbourne Branch Up Fast
Eastbourne Branch Down Fast
Up Loop
Down Loop
Up Sidings
Down Sidings
Up Refuge
Down Refuge
Up Main
Down Main
Up Relief
Down Relief
Up Local
Down Local
Up Through
Down Through
Up Platform
Down Platform
Up Bay
Down Bay
Up Yard
Down Yard
Up Carriage Sidings
Down Carriage Sidings
Up Engineers Siding
Down Engineers Siding
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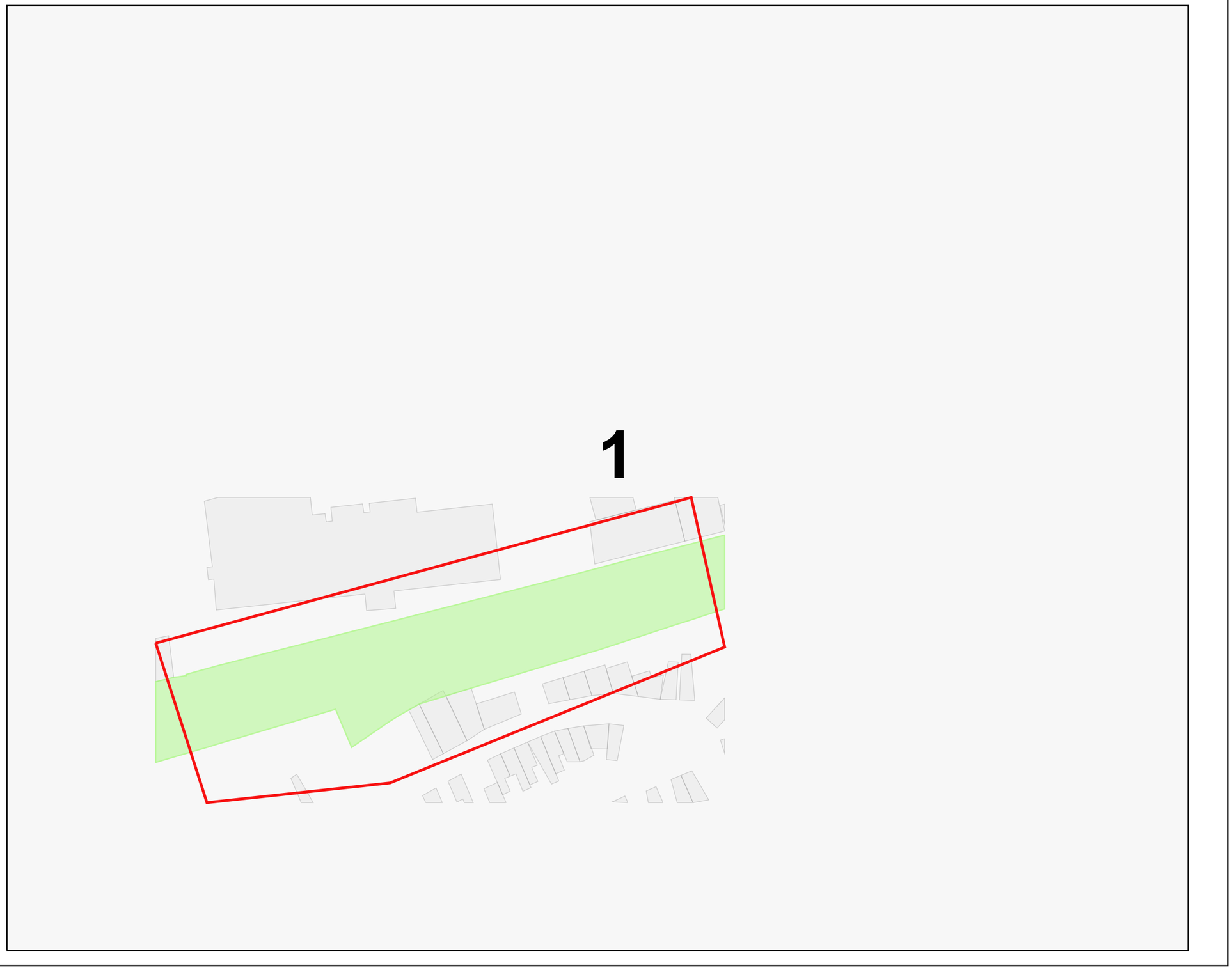
Down Engineers Refuge
Up Engineers Loop
Down Engineers Loop
Up Engineers Line
Down Engineers Line
Up Engineers Sidings
Down Engineers Sidings

Page Navigation Index Map (1:1250 scale maps)



Legend

Network Rail Company Ownership Boundary

Order Polygon

Order ID: 204129

Plot Date: 11/04/24

N

NetworkRail

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Ordnance Survey 0100040692

Network Rail - Drainage



Legend

Company Ownership

- Freehold Ownership
- Leasehold Ownership
- Prohibitive Interest
- Bridge (Rail over Rail)
- Bridge (Rail over River)
- Bridge (Rail over Road)
- Bridge (Road over Rail)
- Level Crossing
- Tunnel
- Order Polygon

- DB Asset Line
- DC Asset Line
- Chamber (DD)
- Outfall (DK)
- Inflow (DL)
- Point (DM)
- Soakaway (DN)
- Pond (DY)
- Structure (DZ)
- Channel (ELR, Mileage)
- Channel (Coordinates)
- Covered Channel (ELR, Mileage)
- Covered Channel (Coordinates)
- Culvert (ELR, Mileage)
- Culvert (Coordinates)
- Granular Drain (ELR, Mileage)
- Granular Drain (Coordinates)
- Pipe (ELR and Mileage)
- Pipe (Coordinates)
- Syphon (ELR, Mileage)
- Syphon (Coordinates)

Order Ref: 204129
Plot Scale: 1:1250
Page Index: 1
Centre X, Y: 515127, 103534
Plot Date: 11/04/24

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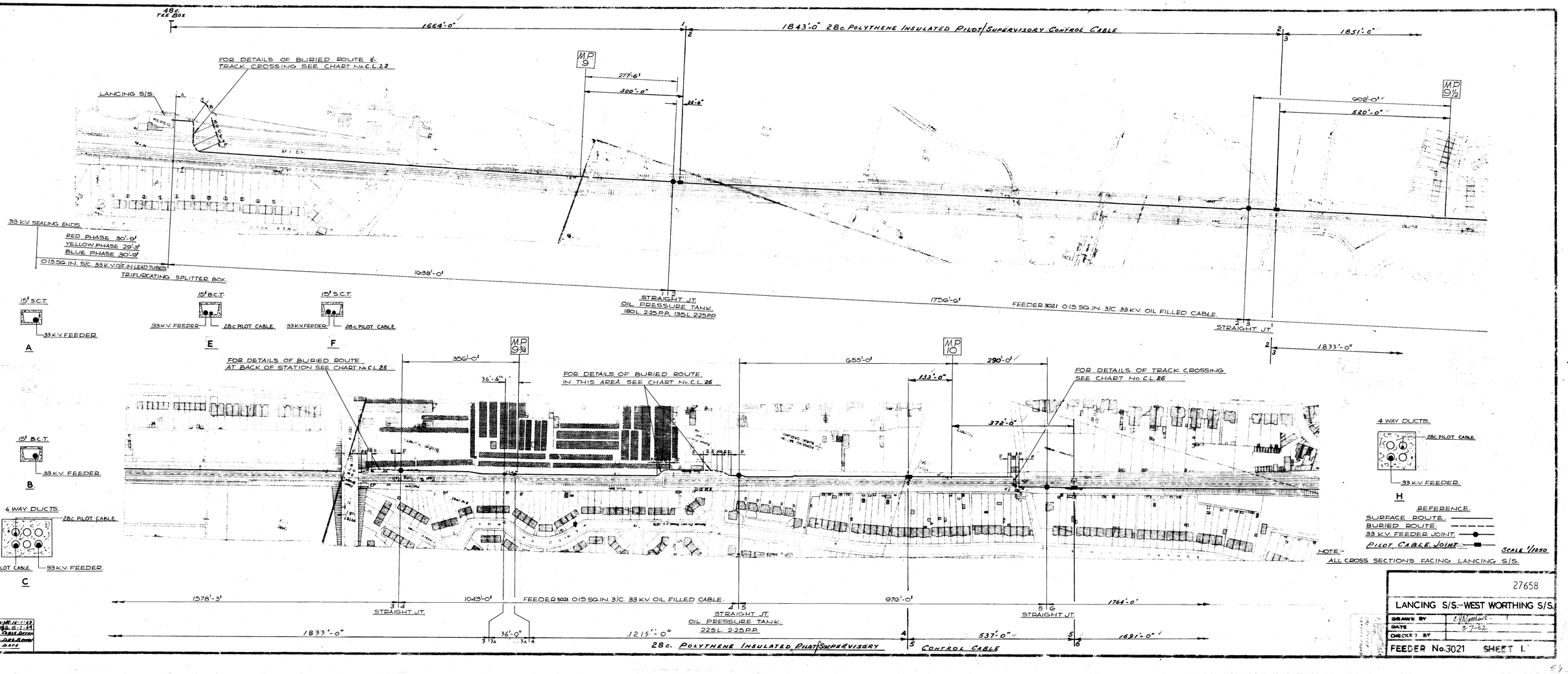
Ordnance Survey 0100040692



3 CON-MR/IE-1-69 FDR No 3021 WAS FDR No 21.

2 ALT: TR 12-12-84 APP: TGMH-1-85 Details Of Pilot Insertion Length 3A Added.

1 CON-MR/IE-1-69 AMD. 15-1-69 PILOT CABLE DETAIL ADDED-DRG'S AMND UP TO DATE

27658

LANCING S/S.–WEST WORTHING S/S.

DRAWN BY	C.M. Matthews
DATE	3-7-62
CHECKED BY	

FEEDER No. 3021 SHEET 1.

BURIED CABLE CHARTS.

BOOK Nº. 8. CL.

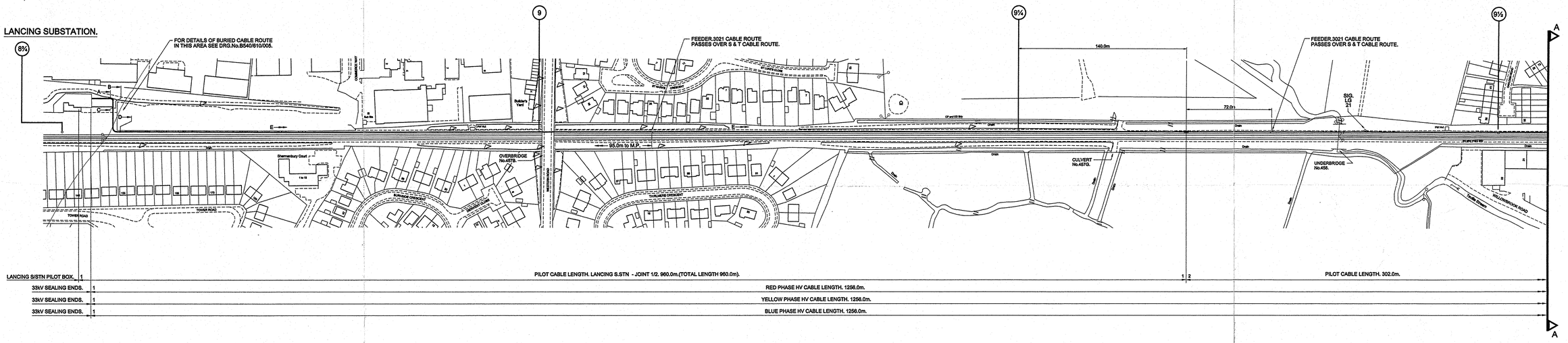
COAST LINE.

BRIGHTON TO WEST WORTHING.

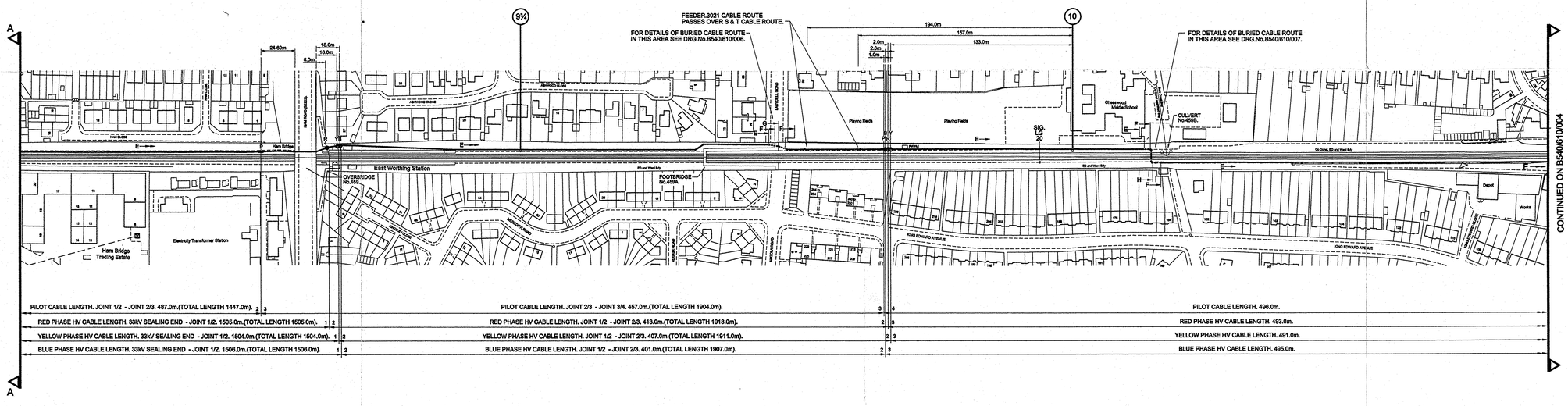
ISSUED IN ACCORDANCE WITH INSTRUCTION Nº. 42. OF "INSTRUCTIONS APPLICABLE TO THE ELECTRIFIED LINES."

B.1474.

LANCING SUBSTATION.



LANCING S/STN PILOT BOX.	1	PILOT CABLE LENGTH. LANCING S.STN - JOINT 1/2. 960.0m.(TOTAL LENGTH 960.0m).	1 2	PILOT CABLE LENGTH. 302.0m.
33kV SEALING ENDS.	1	RED PHASE HV CABLE LENGTH. 1256.0m.		
33kV SEALING ENDS.	1	YELLOW PHASE HV CABLE LENGTH. 1256.0m.		
33kV SEALING ENDS.	1	BLUE PHASE HV CABLE LENGTH. 1256.0m.		



PILOT CABLE LENGTH. JOINT 1/2 - JOINT 2/3. 487.0m.(TOTAL LENGTH 1447.0m).	2 3	PILOT CABLE LENGTH. JOINT 2/3 - JOINT 3/4. 457.0m.(TOTAL LENGTH 1904.0m).	3 4	PILOT CABLE LENGTH. 496.0m.
RED PHASE HV CABLE LENGTH. 33kV SEALING END - JOINT 1/2. 1505.0m.(TOTAL LENGTH 1505.0m).	1 2	RED PHASE HV CABLE LENGTH. JOINT 1/2 - JOINT 2/3. 413.0m.(TOTAL LENGTH 1918.0m).	2 3	RED PHASE HV CABLE LENGTH. 493.0m.
YELLOW PHASE HV CABLE LENGTH. 33kV SEALING END - JOINT 1/2. 1504.0m.(TOTAL LENGTH 1504.0m).	1 2	YELLOW PHASE HV CABLE LENGTH. JOINT 1/2 - JOINT 2/3. 407.0m.(TOTAL LENGTH 1911.0m).	2 3	YELLOW PHASE HV CABLE LENGTH. 491.0m.
BLUE PHASE HV CABLE LENGTH. 33kV SEALING END - JOINT 1/2. 1506.0m.(TOTAL LENGTH 1506.0m).	1 2	BLUE PHASE HV CABLE LENGTH. JOINT 1/2 - JOINT 2/3. 401.0m.(TOTAL LENGTH 1907.0m).	2 3	BLUE PHASE HV CABLE LENGTH. 495.0m.

THIS DRAWING SUPERSEDES DRG.No.FEEDER No.3021.SHEET.1.

KEY

- SURFACE ROUTE
- BURIED ROUTE
- FEEDER No. 3021 CABLE JOINTS
- PILOT CABLE JOINTS
- REDUNDANT CABLE

TOTAL CABLE LENGTHS.

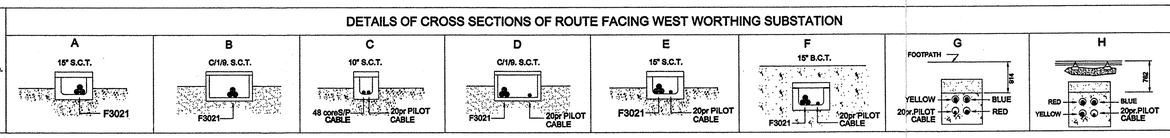
PILOT CABLE.

20pr 0.9mm OD -LANCING S/S to STATION ROAD T.C.R.C. - 2436.50m.
20pr 0.9mm OD - STATION RD T.C.R.C. to W. WORTHING S/S - 2444.50m.

HV FEEDER CABLE.

95mm² XLPE AL RED PHASE - 4877.0m.
95mm² XLPE AL YELLOW PHASE - 4877.0m.
95mm² XLPE AL BLUE PHASE - 4877.0m.

DETAILS OF CROSS SECTIONS OF ROUTE FACING WEST WORTHING SUBSTATION



Rev.	Drawn	Date	Reason	Chd.	Appd.
1	DGC	08.06.01	AS BUILT.		

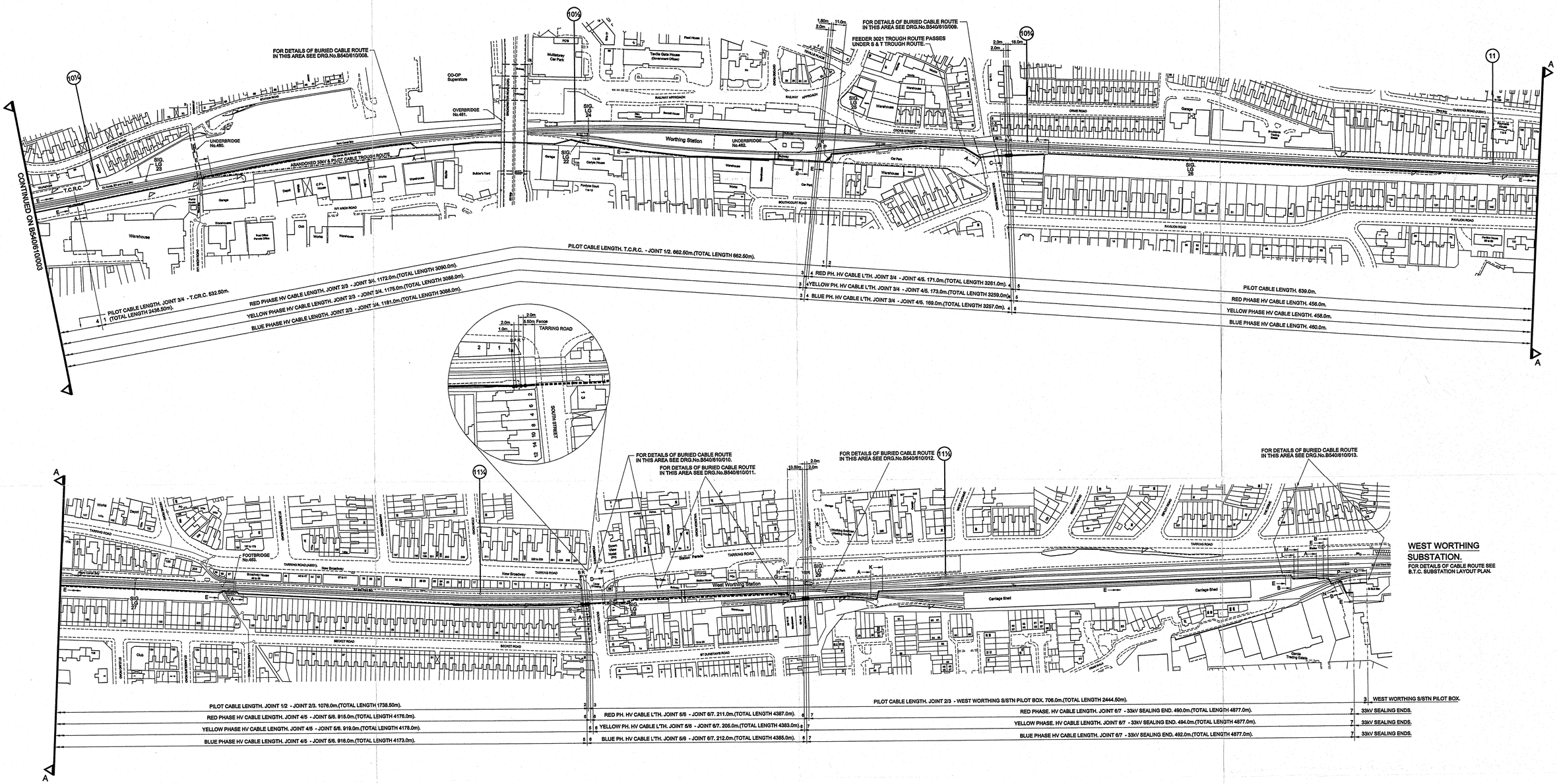
SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING

Title: RAILTRACK

Description: LANCING SUBSTATION TO WEST WORTHING SUBSTATION FEEDER No. 3021 & 20pr PILOT CABLE (Sheet.1.)

Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
DG CAPON	02.02.00	1:1250			B540/610/003	1

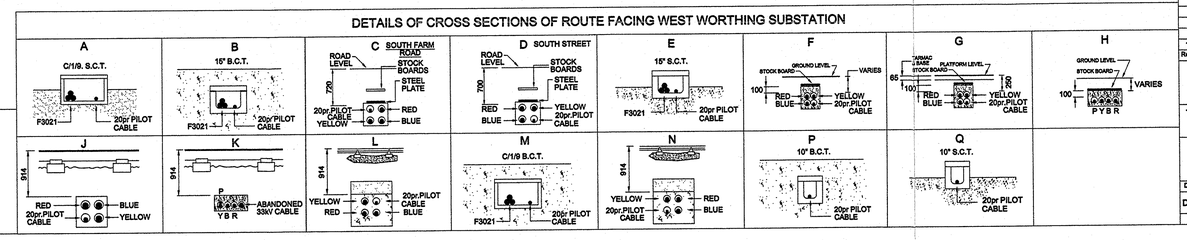
DOC FILE 95B 000 TA



WEST WORTHING SUBSTATION.
FOR DETAILS OF CABLE ROUTE SEE B.T.C. SUBSTATION LAYOUT PLAN.

THIS DRAWING SUPERSEDES DRG.No.FEEDER.No.3021(SHEET.2.)

DETAILS OF CROSS SECTIONS OF ROUTE FACING WEST WORTHING SUBSTATION



KEY

- SURFACE ROUTE
- BURIED ROUTE
- FEEDER No. 3021 CABLE JOINTS
- PILOT CABLE JOINTS
- REDUNDANT CABLE

TOTAL CABLE LENGTHS.

PILOT CABLE.

20pr 0.9mm OD - LANCING S/S to T.C.R.C. - 2436.50m.
20pr 0.9mm OD - T.C.R.C. to WEST WORTHING S/S - 2444.50m.

HV FEEDER CABLE.

95mm² XLPE AL RED PHASE - 4877.0m.
95mm² XLPE AL YELLOW PHASE - 4877.0m.
95mm² XLPE AL BLUE PHASE - 4877.0m.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	08.09.01	AS BUILT.		

SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING

Title: RAILTRACK

Description: LANCING SUBSTATION TO WEST WORTHING SUBSTATION
FEEDER No. 3021 & 20pr PILOT CABLE (Sheet.2.)

Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
DG CAPON	11.09.00	1:1250			B540/610/004	1

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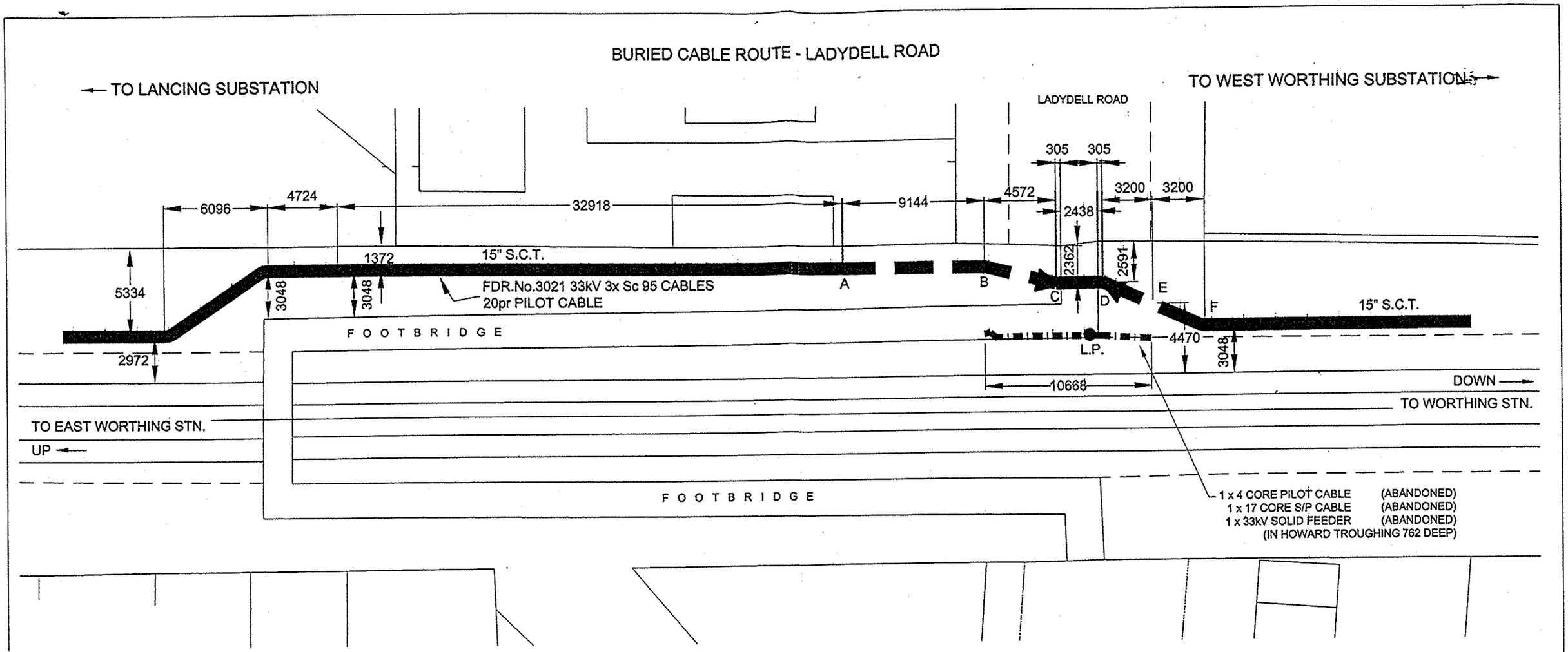
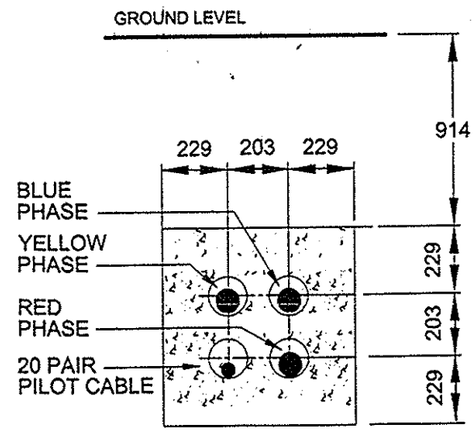
BURIED CABLE ROUTE - LADYDELL ROAD





'C' TO 'D'
Existing Details from DRG.No.CL.26.

CROSS SECTION FACING WEST WORTHING SUBSTATION.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

ROUTE DETAILS.
A TO B:- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 467 COVER.
B TO C:- 15" B.C.T. FALLS FROM 467 TO 762 AT FACE OF DUCTS.
C TO D:- 4 x 5" A/C DUCTS 762 COVER.
D TO E:- 15" B.C.T. RISES FROM FACE OF DUCTS TP 610 COVER.
E TO F:- 15" B.C.T. CONTINUES AT THIS LEVEL TO PASS OUT OF EMBANKMENT & APPEAR AT SURFACE.

NOTE:
THIS DRAWING SUPERSEDES PART OF DRG.No. C.L.26.

STANDARD CONCRETE TROUGHING	S.C.T.
BURIED CONCRETE TROUGHING	B.C.T.
SURFACE ROUTE	
BURIED ROUTE	
LEAD TO DUCTS	

Dimensions are for route location only & do not refer to cable length.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	24.05.01	AS BUILT.		

SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

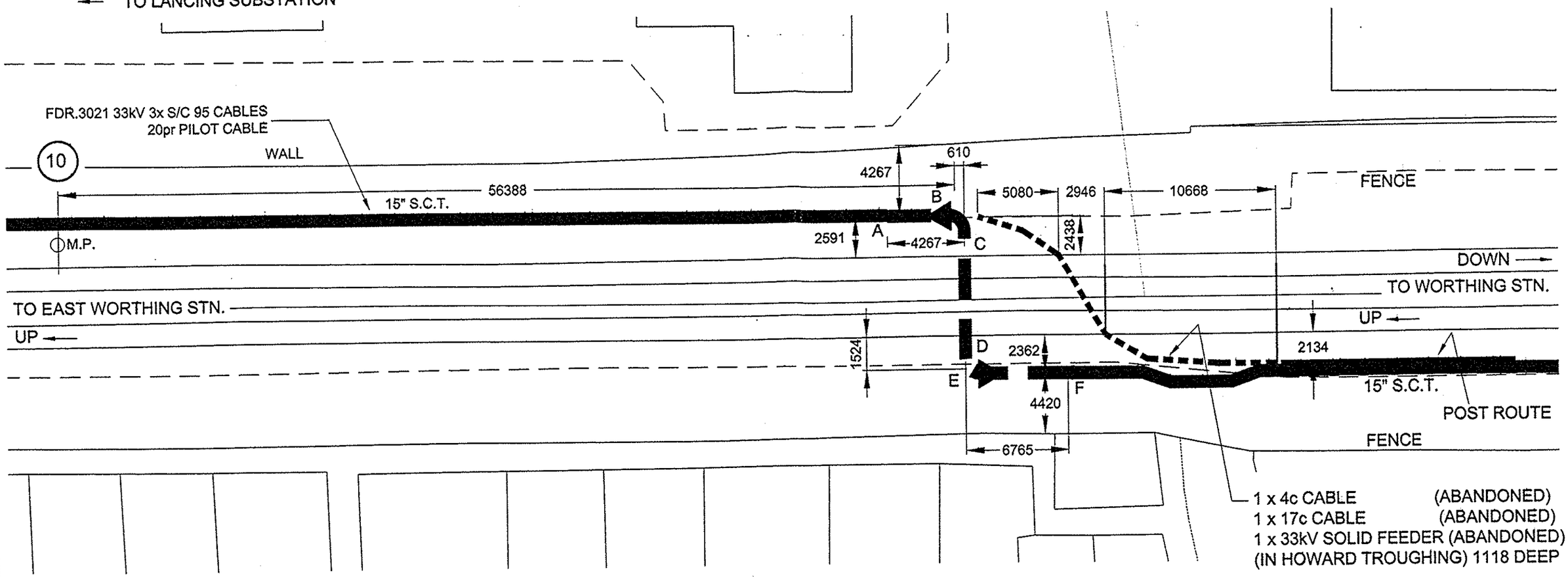
Title: RAILTRACK

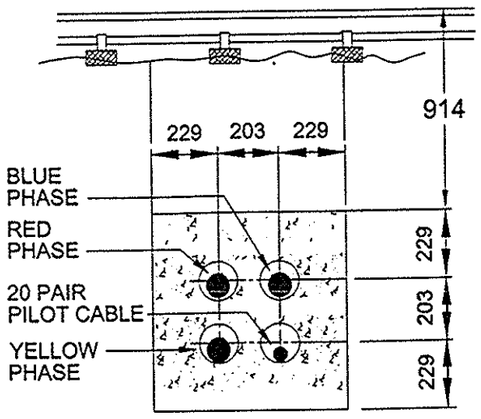
Description: BURIED CABLE CHART
FEEDER No.3021.
LANCING S/S - WEST WORTHING S/S

Drawn	Date	Scale	Checked	Approved	Drawing Number	Issue
P.ASHBY	02.10.00	1:250			B540/610/006	1

L:\DRAWINGS\610_W.WORTHING\610_006.1.dwg Tue Jul 10 09:45:33 2001

BURIED CABLE ROUTE - UTX ADJACENT TO M.P.10.





'C' TO 'D'

Details from DRG.No.CL.26.

CROSS SECTION FACING WEST WORTHING SUBSTATION.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

ROUTE DETAILS.

A TO B:- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 533 AT FACE OF DUCTS.
B TO C:- 6 x 5" A/C DUCTS FALL FROM 533 TO 914 COVER UNDER RAIL.
C TO D:- 4 x 5" A/C DUCTS 914 COVER.
D TO E:- 4 x 5" A/C DUCTS RISE FROM 914 TO 610 COVER AT FACE OF DUCTS.
E TO F:- 15" B.C.T. RISES FROM BELLMOUTH TO SURFACE LEVEL.

NOTE:
THIS DRAWING SUPERSEDES PART OF DRG.No. C.L.26.

STANDARD CONCRETE TROUGHING	S.C.T.
BURIED CONCRETE TROUGHING	B.C.T.
SURFACE ROUTE	———
BURIED ROUTE	- - - - - -
LEAD TO DUCTS	- - ▶ - - ◀ - -

Dimensions are for route location only & do not refer to cable length.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	24.05.01	AS BUILT.		

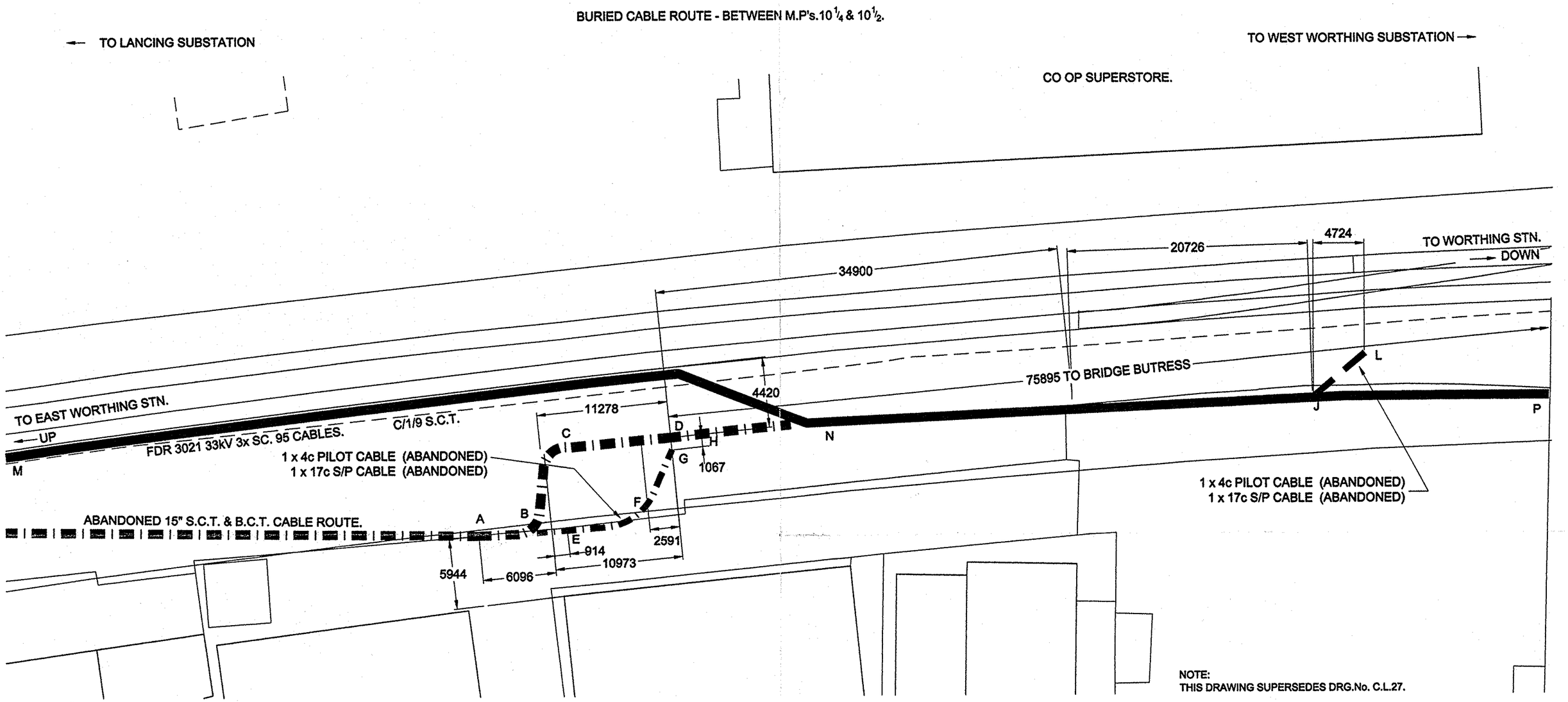
SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

Title: RAILTRACK

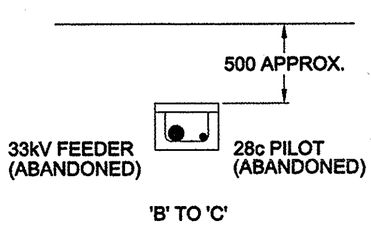
Description: BURIED CABLE CHART
FEEDER No.3021
LANCING S/S - WEST WORTHING S/S

Drawn	Date	Scale	Checked	Approved	Drawing Number	Issue
P.ASHBY	03.10.00	1:250			B540/610/007	1

BURIED CABLE ROUTE - BETWEEN M.P's.10 1/4 & 10 1/2.



NOTE:
THIS DRAWING SUPERSEDES DRG.No. C.L.27.



'B' TO 'C'

ROUTE DETAILS.
A TO B:- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 457 COVER.(ABANDONED).
B TO C:- 15" B.C.T. 457 COVER.(ABANDONED).
C TO D:- 15" B.C.T. RISES FROM 457 COVER TO SURFACE.(ABANDONED).
E TO F:- HOWARD TROUGHING IN B.C.T. FALLS FROM SURFACE LEVEL TO 762 COVER (ABANDONED).
F TO G:- HOWARD TROUGHING IN B.C.T. 762 COVER. (ABANDONED).
G TO H:- HOWARD TROUGHING IN B.C.T. RISES FROM 762 COVER TO SURFACE. (ABANDONED).
J TO L:- HOWARD TROUGHING IN B.C.T. FALLS FROM SURFACE LEVEL TO 762 COVER AND RISES TO 457 COVER. (ABANDONED).
M TO N:- C/1/9 S.C.T.
N TO P:- 15" S.C.T.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

STANDARD CONCRETE TROUGHING	S.C.T.
BURIED CONCRETE TROUGHING	B.C.T.
SURFACE ROUTE	
BURIED ROUTE	
LEAD TO DUCTS	

Dimensions are for route location only & do not refer to cable length.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	29.05.01	AS BUILT		

SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

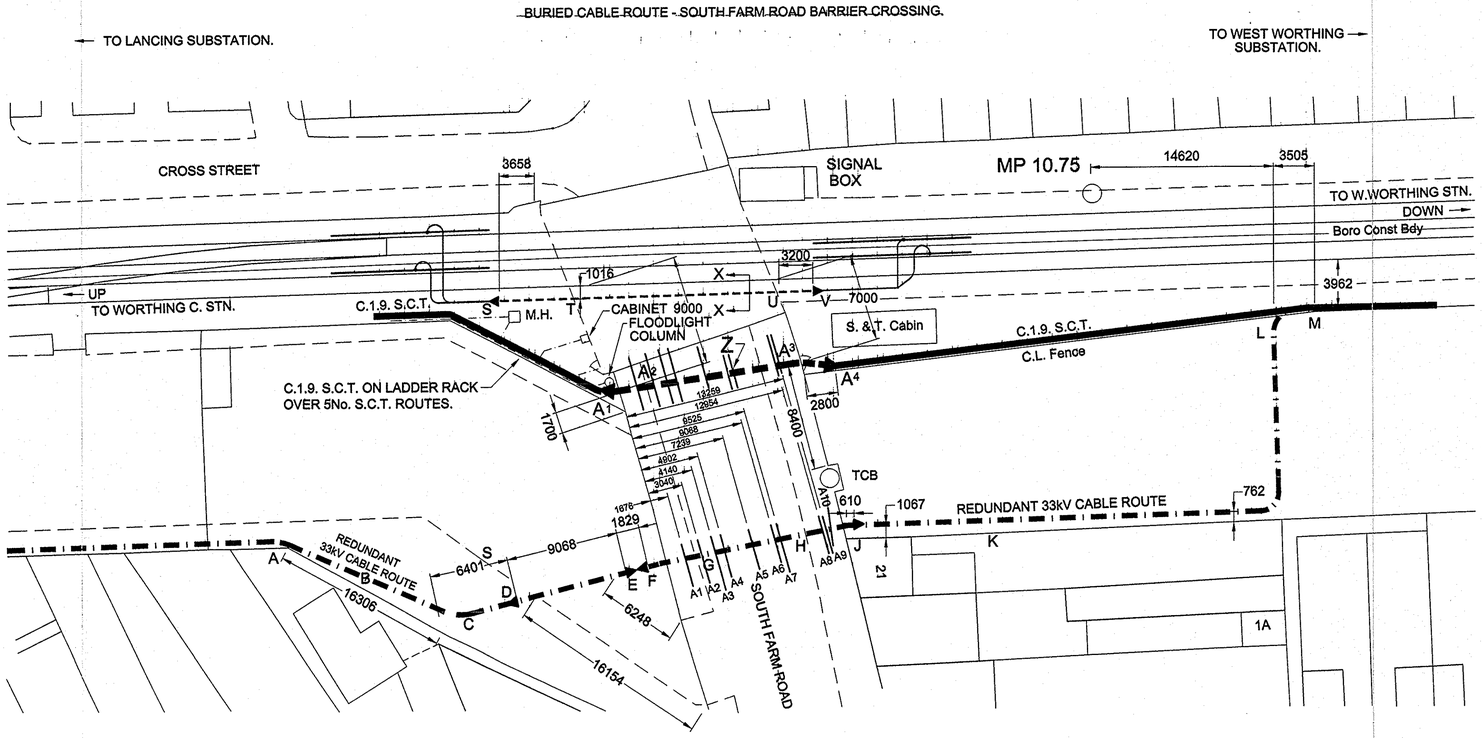
Title: RAILTRACK

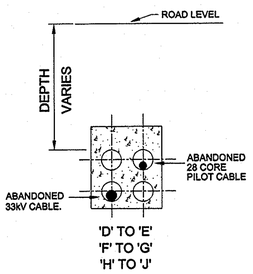
Description: BURIED CABLE CHART
FEEDER No.3021.
LANCING S/S - WEST WORTHING S/S.

Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
P.ASHBY	03.10.00	1:250			B540/610/008	1

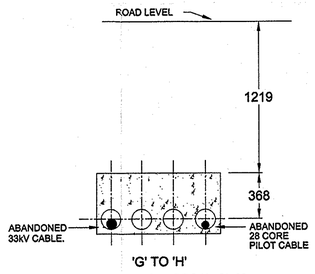
CAD FILE:610_008
PLOT: 1:1
A2

BURIED CABLE ROUTE - SOUTH FARM ROAD BARRIER CROSSING.





Existing Details from DRG.No.CL.28.



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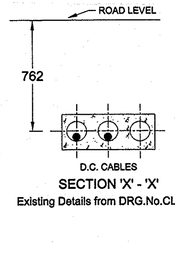
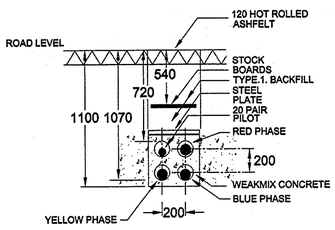


Existing Details from DRG.No.CL.28.

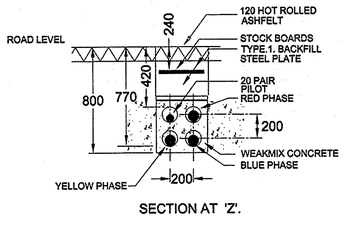
CROSS SECTIONS FACING WEST WORTHING SUBSTATION.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

REF.	DESCRPTION.	DEPTH.
A1	11kV CABLE.	762
A2	2 WAY 3" DUCTS E.L.	305
A3	6 WAY 4" DUCTS BRITISH TELECOM.	1067
A4	E.L.	965
A5	4" WATER PIPE.	1143
A6	3" C.I. BRITISH TELECOM.	762
A7	6" C.I. BRITISH TELECOM.	914
A8	L.V. CABLES.	762
A9	33kV CABLES.	914
A10	SERVICE.	762



TYPICAL SECTION BETWEEN 'X' - 'Y'.



SECTION AT 'Z'.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

NOTES:-

A TO B:- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 457 COVER.
B TO C:- 15" 457 AVERAGE COVER.
C TO D:- 15" B.C.T. FALLS FROM 457 TO 610 COVER AT FACE OF DUCTS.
D TO E:- 4 x 5" AC DUCTS FALL FROM 610 TO 914 COVER.
E TO F:- 15" B.C.T. 1067 COVER.
F TO G:- 4 x 5" AC DUCTS PASS UNDER WALL WITH 610 COVER TO BOTTOM OF WALL.
G TO H:- 4 x 5" AC DUCTS CONTINUE UNDER ROADWAY WITH 1219 COVER.
H TO J:- 4 x 5" AC DUCTS RISE FROM 1219 TO 762 AT FACE OF DUCTS.
J TO K:- 15" B.C.T. RISES FROM FACE OF DUCTS TO 457 COVER.
K TO L:- 15" B.C.T. 457 COVER.
L TO M:- 15" B.C.T. RISES FROM 457 TO SURFACE LEVEL.
S TO T:- 3 x 5" AC DUCTS FROM SURFACE TO 762 COVER.
T TO U:- 3 x 5" AC DUCTS AT 762 COVER.
U TO V:- 3 x 5" AC DUCTS FROM 762 COVER TO SURFACE.

A^1 TO A^2 :- 4 x 150 'KANOFLEX DUCTS FROM SURFACE TO 720 COVER.
A^2 TO A^3 :- 4 x 150 'KANOFLEX' DUCTS AT 720 COVER.
A^3 TO A^4 :- 4 x 150 'KANOFLEX' DUCTS FROM 720 COVER TO SURFACE.

NOTE:-

THIS DRG. SUPERSEDES BURIED CABLE CHART No.C.L.28.

Rev.	Drawn	Date	Reason	Chkd.	Apprd
1	DGC	29.05.01	AS BUILT.		
A	DGC	14.09.00	FIRST ISSUE.	DGC	RSC

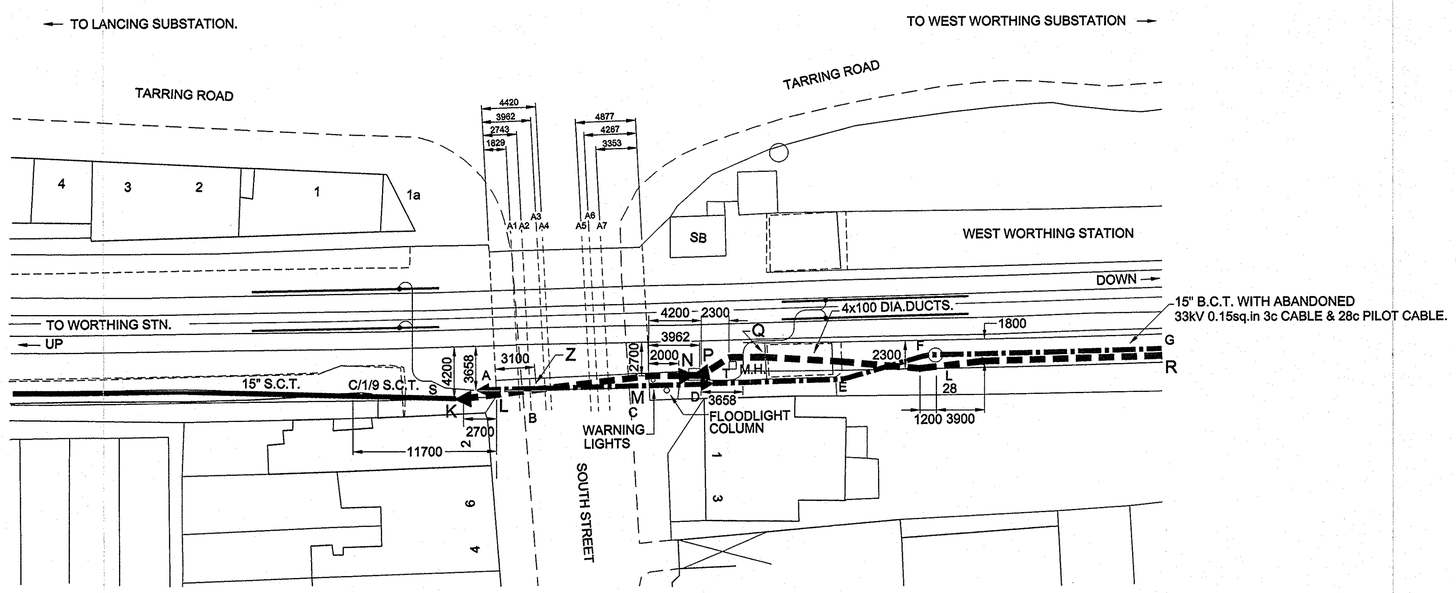
SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

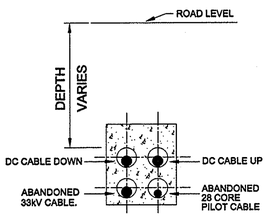
Title: RAILTRACK

Description: BURIED CABLE CHART.
FEEDER No.3021. LANCING S/S - WEST WORTHING S/S.

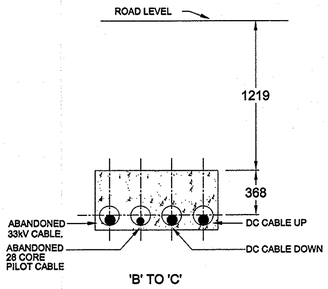
Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
DG CAPON	14.09.00	1:250	DG CAPON	RS CARE	B540/610/009	1

BURIED CABLE ROUTE - SOUTH STREET BARRIER CRSSING.



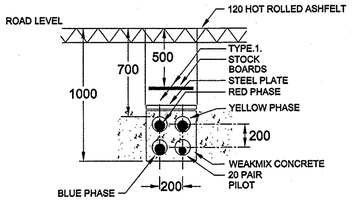


'A' TO 'B'
'C' TO 'D'
Existing Details from DRG.No.CL.29.

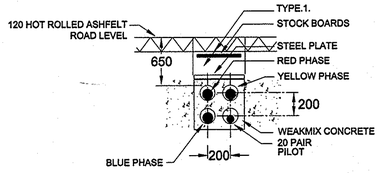


'B' TO 'C'
Existing Details from DRG.No.CL.29.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.



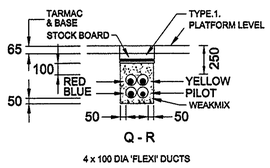
TYPICAL SECTION BETWEEN 'L' - 'M'.



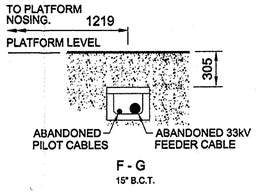
SECTION AT 'Z'.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

REF.	DESCRPTION.	DEPTH.
A1	3'-6" DIA. BARREL DRAIN.	1016
A2	4" WATER PIPE.	711
A3	BRITISH TELECOM CABLES.	1219
A4	4x 4" DUCTS - R.E.C.	1295
A5	4" GAS PIPE.	737
A6	7" WATER PIPE.	864
A7	10" GAS PIPE.	914



Q - R
4 x 100 DIA 'FLEXI' DUCTS



F - G
15" B.C.T.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

NOTES:-

C TO D:- 15" B.C.T. FALLS FROM 457 TO 610 COVER AT FACE OF DUCTS.
D TO E:- 4 x 5" AC DUCTS FALL FROM 610 TO 914 COVER.
E TO F:- 15" B.C.T. 1067 COVER.
A TO B:- 4 x 5" AC DUCTS FALL FROM 152 TO 762 COVER UNDER ROADWAY.
B TO C:- 4 x 5" AC DUCTS 762 COVER UNDER ROADWAY.
C TO D:- 4 x 5" AC DUCTS RISE FROM 762 TO 381 COVER AT FACE OF DUCTS.
D TO E:- 15" B.C.T. CONTINUES FROM BELLMOUTH WITH 381 COVER.
E TO F:- 15" B.C.T. ENTERS PLATFORM WITH 305 COVER.
F TO G:- 15" B.C.T. THROUGH PLATFORM WITH 305 AVERAGE COVER.
S TO A:- B.C.T. FALLS FROM SURFACE TO DUCTS.
D TO T:- RISING FROM DUCTS TO SURFACE.

K TO L :- 4 x 150 'KANOFLEX DUCTS FROM SURFACE TO 700 COVER.
L TO M :- 4 x 150 'KANOFLEX' DUCTS AT 700 COVER.
M TO N :- 4 x 150 'KANOFLEX' DUCTS FROM 700 COVER TO 600 COVER.
N TO P :- REDUCER FROM 4x 150 DIA.'KANOFLEX' DUCTS TO 4 x 100 DIA.DOUBLE WALLED 'FLEXI' DUCTS AT 600 COVER.
P TO Q :- 4 x 100 DOUBLE WALLED 'FLEXI' DUCTS AT 600 COVER.
Q TO R :- 4 x 100 DOUBLE WALLED 'FLEXI' DUCTS AT 250 COVER.

NOTE:-
THIS DRG. SUPERSEDES BURIED CABLE CHART No.C.L.29.

Rev.	Drawn	Date	Reason	Chkd.	Apprd
1	DGC	31.05.01	AS BUILT.		
A	DGC	28.09.00	FIRST ISSUE.	DGC	RSC

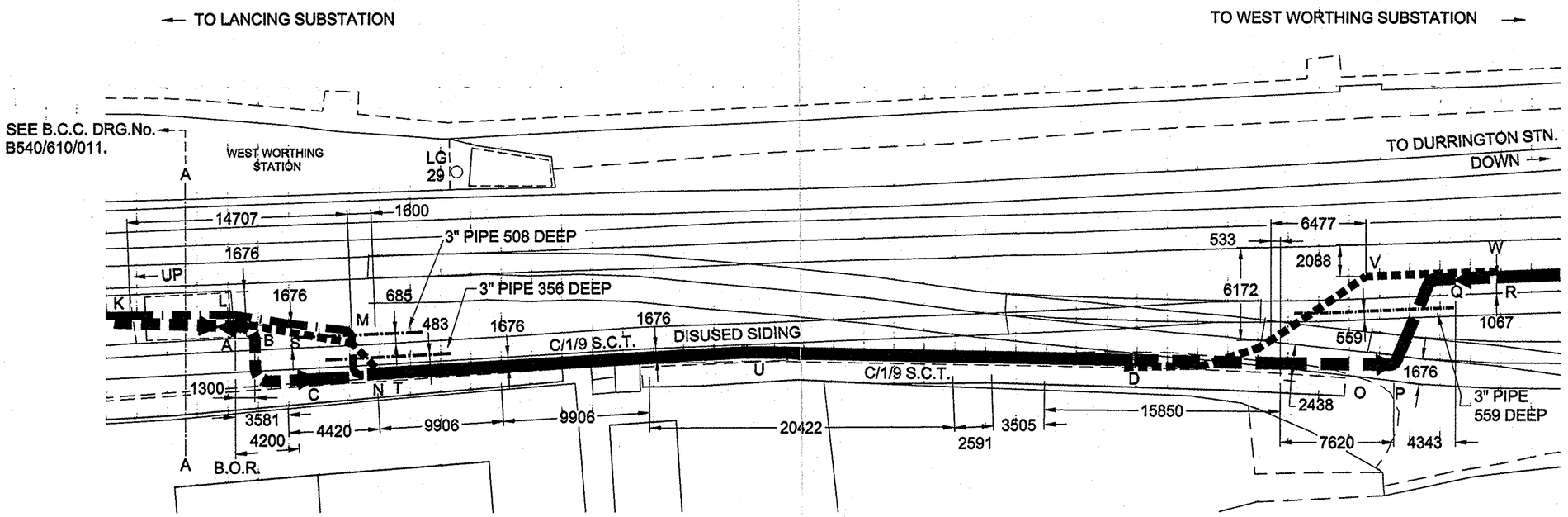
SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

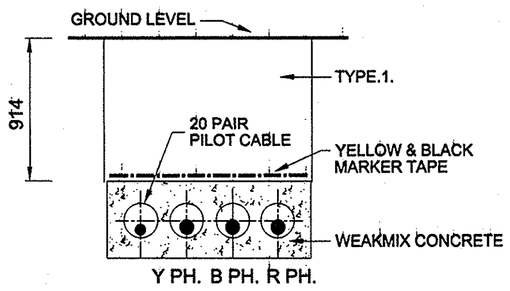
Title: RAILTRACK

Description: BURIED CABLE CHART.
FEEDER No.3021. LANCING S/S - WEST WORTHING S/S.

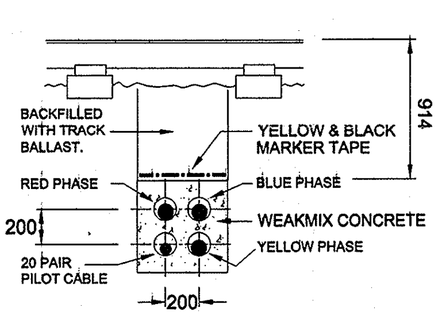
Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
DG CAPON	14.09.00	1:250	DG CAPON	RS CARE	B540/610/010	1

BURIED CABLE ROUTE - WEST WORTHING STATION - SECTION 2

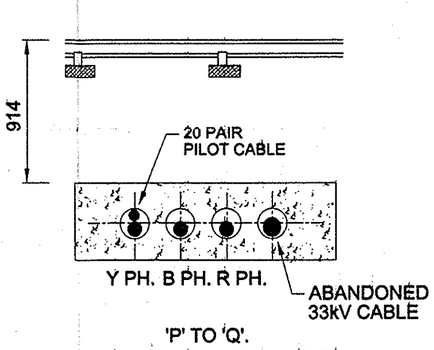




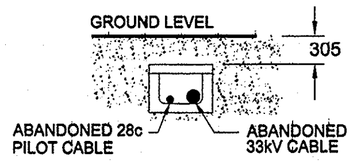
'A' TO 'B'.



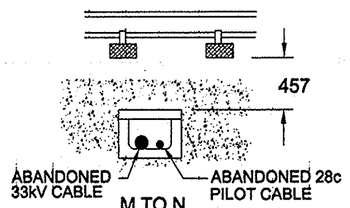
'B' TO 'C'.



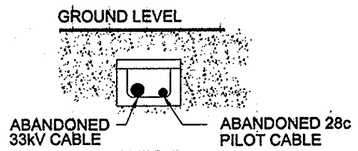
'P' TO 'Q'.
Existing Details from DRG.No.CL.30.



L TO M
Existing Details from DRG.No.CL.30.



M TO N
Existing Details from DRG.No.CL.30.



N TO D
Existing Details from DRG.No.CL.30.

NOTE:
THIS DRAWING SUPERSEDES PART OF DRG.No. C.L.30.

ROUTE DETAILS:
A TO B:- 4 x 150 DIA. 'KANOFLEX' DUCTS FALLING FROM 305 TO 914 COVER.
B TO C:- 4 x 150 DIA. 'KANOFLEX' DUCTS 914 DEEP UNDER DISUSED SIDING.
C TO D:- C/1/9 S.C.T. FROM UTX FROM BELLMOUTH.
D TO O:- 15" B.C.T. FALLS TO 457 COVER.
K TO L:- 15" B.C.T. PASSES DOWN RAMP TO 305 COVER UNDER CESS LEVEL.(ABANDONED).
L TO M:- 15" B.C.T. FALLS FROM 305 TO 457 COVER TO PASS UNDER SIDING.(ABANDONED).
M TO N:- 15" B.C.T. PASSES UNDER SIDING WITH 457 COVER.(ABANDONED).
N TO D:- 15" B.C.T. 457 COVER.(ABANDONED).
O TO P:- 15" B.C.T. FALLS FROM 457 COVER TO 762 AT FACE OF DUCTS.
P TO Q:- 4 x 5" A/C DUCTS 914 COVER UNDER RAILS.
Q TO R:- 15" B.C.T. RISES FROM 610 COVER AT FACE OF DUCTS TO SURFACE LEVEL.
L TO S:- HOWARD TROUGHING IN B.C.T. FALLING FROM 310 TO 1067 DEEP (ABANDONED).
S TO T:- HOWARD TROUGHING IN B.C.T. 1067 DEEP. (ABANDONED)
T TO U:- HOWARD TROUGHING IN B.C.T. FALLING FROM 1067 TO 1219 DEEP (ABANDONED)
U TO V:- HOWARD TROUGHING IN B.C.T. 1219 DEEP. (ABANDONED)
V TO W:- HOWARD TROUGHING IN B.C.T. FROM 1219 DEEP TO SURFACE (ABANDONED)

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.
ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

STANDARD CONCRETE TROUGHING	S.C.T.
BURIED CONCRETE TROUGHING	B.C.T.
SURFACE ROUTE	
BURIED ROUTE	
LEAD TO DUCTS	

Dimensions are for route location only & do not refer to cable length.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	01.06.01	AS BUILT		

SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

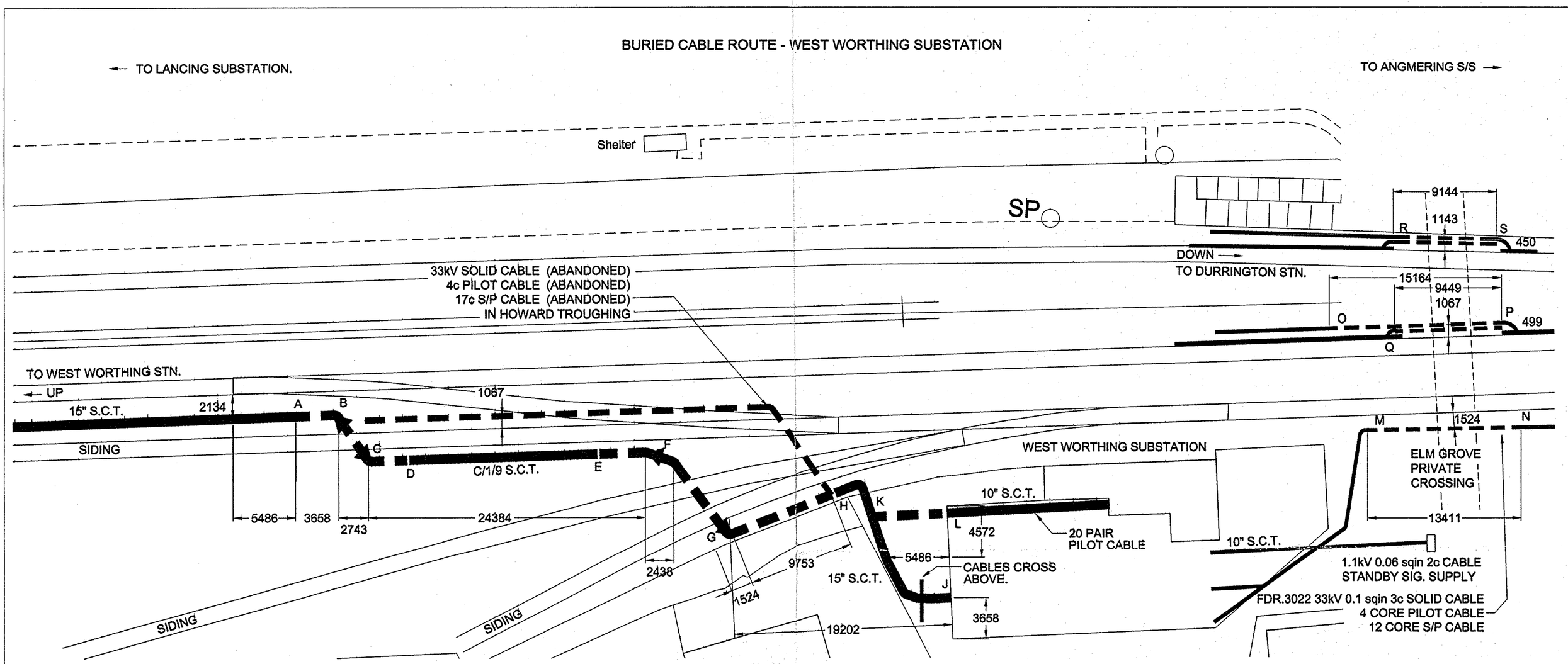
Title: RAILTRACK

Description: BURIED CABLE CHART
FEEDER No.3021.
LANCING S/S - WEST WORTHING S/S.

Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
P.ASHBY	03.10.00	1:250			B540/610/012	1

L:\DRAWINGS\610_W.WORTHING\610_012.1.dwg Tue Jul 10 10:11:18 2001

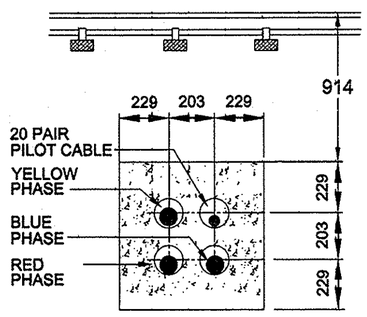
BURIED CABLE ROUTE - WEST WORTHING SUBSTATION



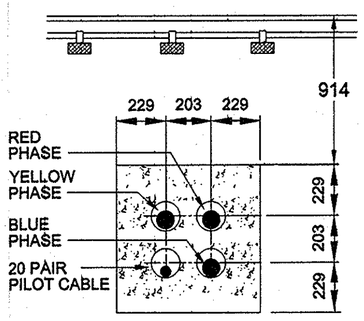
ROUTE DETAILS FOR FDR.No.3021.
A-B:- 15" B.C.T. FALLING FROM SURFACE TO 762 DEEP.
B-C:- 4 x 5" DUCTS FALLING TO 914 DEEP UNDER SIDING.
C-D:- 15" B.C.T. RISING FROM 762 DEEP TO SURFACE.
D-E:- C/1/9 S.C.T.
E-F:- C/1/9 S.C.T. FALLING FROM SURFACE TO 762 DEEP.
F-G:- 4 x 5" DUCTS FALLING TO 914 DEEP UNDER SIDINGS.
G-H:- 15" B.C.T. RISING FROM 762 DEEP TO SURFACE.
H-J:- 15" S.C.T.
K-L:- 10" B.C.T. RISING FROM 381 DEEP TO SURFACE.

ROUTE DETAILS FOR FDR.No.3022 & 4c, 12c S/P CABLES.
M-N:- B.C.T. WITH 762 COVER UNDER LEVEL CROSSING.

ROUTE DETAILS FOR D.C. CABLES.
O-P:- WOODEN TROUGHS FILLED WITH PITCH WITH 914 COVER UNDER LEVEL CROSSING.
Q-P:- WOODEN TROUGHS FILLED WITH PITCH WITH 914 COVER UNDER LEVEL CROSSING.
R-S:- WOODEN TROUGHS FILLED WITH PITCH WITH 914 COVER UNDER LEVEL CROSSING.



'B' TO 'C'
Existing Details from DRG.No.CL.31.



'F' TO 'G'
Existing Details from DRG.No.CL.31.

CROSS SECTIONS FACING WEST WORTHING SUBSTATION.

ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED.

STANDARD CONCRETE TROUGHING	S.C.T.
BURIED CONCRETE TROUGHING	B.C.T.
SURFACE ROUTE	
BURIED ROUTE	
LEAD TO DUCTS	

Dimensions are for route location only & do not refer to cable length.

NOTE:
THIS DRAWING SUPERSEDES DRG.No. C.L.31.

Rev.	Drawn	Date	Reason	Ckd.	Appd.
1	DGC	01.06.01	AS BUILT.		

SEEBOARD CONTRACTING SERVICES
PROJECT ENGINEERING DIVISION

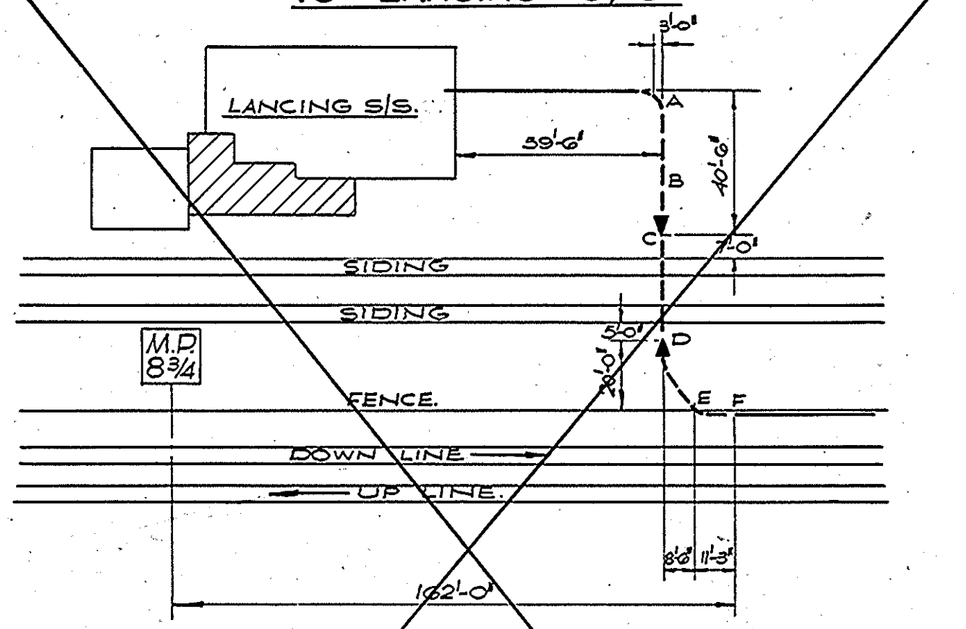
Title
RAILTRACK

Description
BURIED CABLE CHART.
FEEDER No.3021. LANCING S/S - WEST WORTHING S/S.
FEEDERS AND PILOTS, WEST WORTHING SUBSTATION.

Drawn	Date	Scale	Checked	Approved	Drawing Number	Revision
P.ASHBY	05.10.00	1:250			B540/610/013	1

L:\DRAWINGS\610_W.WORTHING\610_013.1.dwg Tue Jul 10 10:24:17 2001

BURIED ROUTE & TRACK CROSSING LEADING TO LANCING S/S



ROUTE DETAILS.

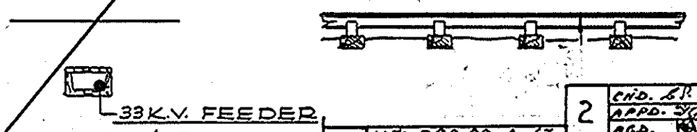
A TO B :- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 1'-0" COVER IN 20'-0" APPROX.

B TO C :- 15" B.C.T. FALLS FROM 1'-0" TO 2'-6" COVER AT FACE OF DUCTS.

C TO D :- 6 x 5" A/C DUCTS 3'-0" UNDER RAILS OF SIDING, RISING TO 2'-9" COVER AT FACE OF DUCTS.

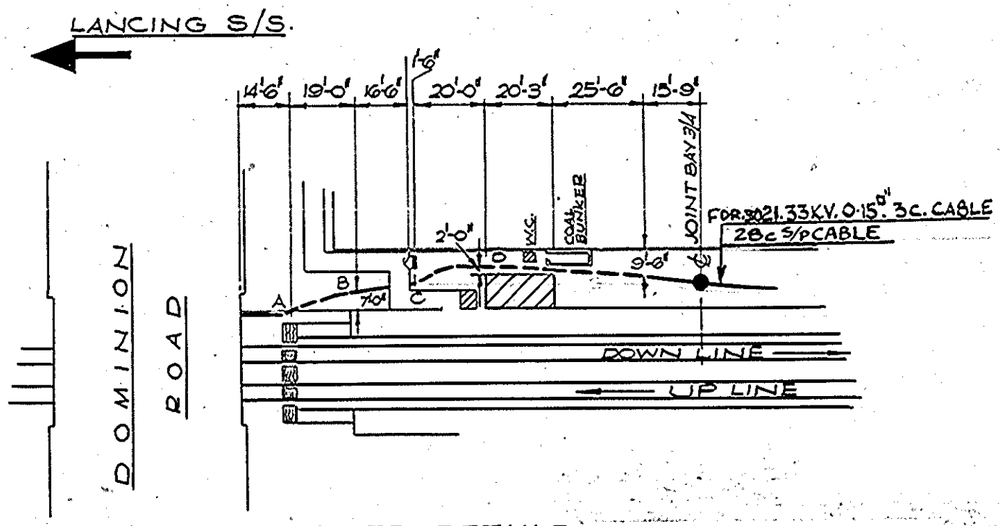
D TO E :- 15" B.C.T. RISES UP FROM BELLMOUTH TO PASS UNDER FENCE WITH 1'-6" COVER.

E TO F :- 15" B.C.T. RISES FROM 1'-6" COVER TO SURFACE LEVEL.



A TO B, B TO C. & D TO E.

BURIED ROUTE BACK OF EAST WORTHING HALT.



ROUTE DETAILS.

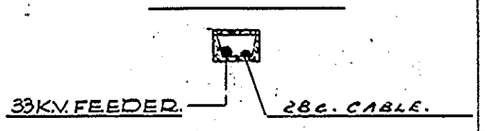
A TO B :- 15" B.C.T. PASSES UNDER FENCE & CONTINUES WITH 6" COVER.

B TO C :- 15" S.C.T.

C TO D :- 15" B.C.T. TURNS & PASSES BEHIND WAITING ROOM 6" COVER

D TO E :- 15" B.C.T. CONTINUES BEHIND WAITING ROOM WITH 6" COVER.

E TO F :- 15" B.C.T. RISES TO SURFACE LEVEL.



A TO B.



C TO D, D TO E & E TO F.

33 K.V. FEEDER JOINT.	●—
SURFACE ROUTE.	———
BURIED ROUTE.	- - - - -
LEAD TO DUCTS.	—>- - -<—

1	ALT:- D.R.B. 29-4-63 CHD:- C.P. 30-4-63 APP:- P.S. 1-8-63	DETAILS OF 4 CORE PILOT & 17 CORE S/P CABLES ADDED
2	CHD. C.P. 9-2-65 APPD. 5/Jan 21-4-65 AGD. 6-4-65	DETAILS OF NEW 28c PILOT CABLE ADDED. REDUNDANT CABLE DELETED.
3	CHD. W.C. 29-5-68 APP.	DRAWING No. WAS C.L. 31.

ALL CROSS SECTIONS FACING LANCING S/S.

THIS DRG. SUPERSEDES B-1458

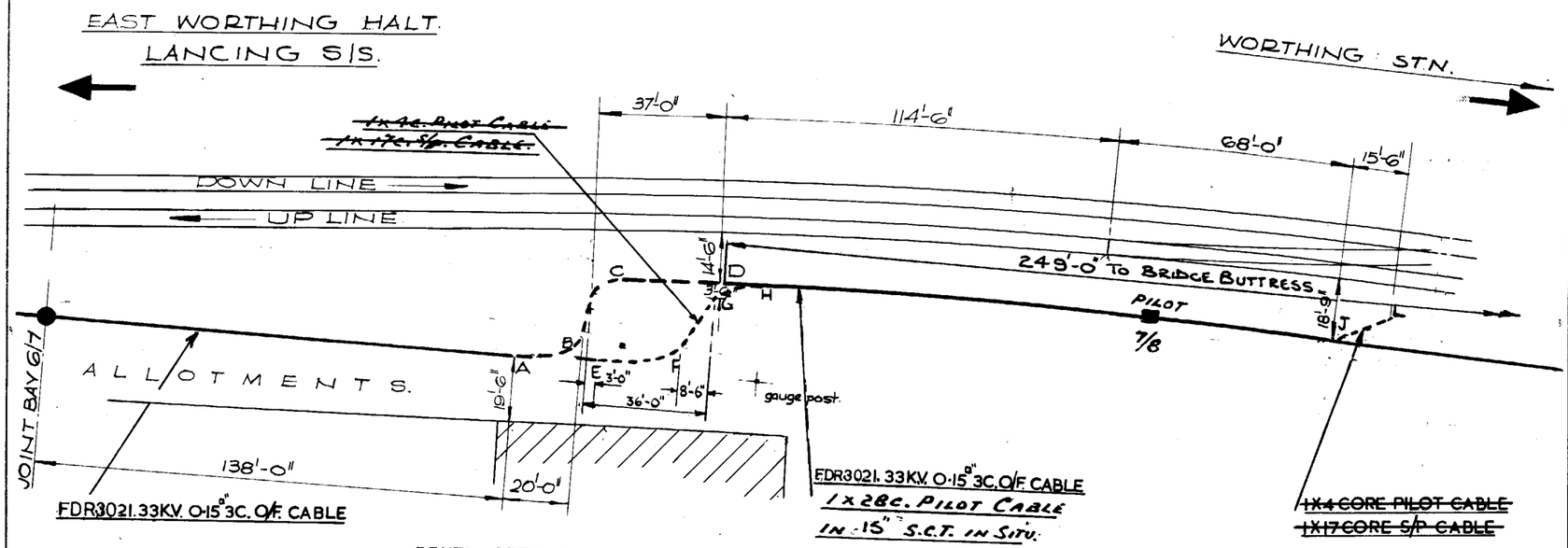
BRITISH RAILWAYS.
SOUTHERN REGION.
CHIEF MECHANICAL & ELECTRICAL ENGR'S. DEPT.
15, ST. THOMAS STREET S. E. 1.

BURIED CABLE CHART.
FEEDER 3021
LANCING S/S.— WEST WORTHING S/S. 5144

DRN. BY C. J. Matthews	SCALES:- 1" - 40'-0" / 1/4" - 1'-0"	CHART No.
CHD. BY.	TRD. BY. C. J. Matthews	C.L. 25.
APPD. BY.	TRG. CHD. BY.	

EAST WORTHING HALT — WORTHING

[BETWEEN MILE POSTS 10 1/4 10 1/2]



ROUTE DETAILS

A.TO B:-15 B.C.T. FALLS FROM SURFACE LEVEL TO 1'-6" COVER

B.TO C:-15 B.C.T. 1'-6" COVER UNDER SLEEPERS OF SIDING

C.TO D:-15 B.C.T. RISES FROM 1'-6" COVER TO SURFACE

~~E.TO F:- HOWARD TROUGHING IN B.C.T. FALLS FROM SURFACE LEVEL TO 2'-6" COVER~~

~~F.TO G:- HOWARD TROUGHING IN B.C.T. 2'-6" COVER~~

~~G.TO H:- HOWARD TROUGHING IN B.C.T. RISES FROM 2'-6" COVER TO SURFACE~~

~~J.TO K:-15 B.C.T. FALLS FROM SURFACE LEVEL TO 1'-6" COVER~~

J.TO L:- HOWARD TROUGHING IN B.C.T. FALLS FROM SURFACE LEVEL TO 2'-6" COVER & RISES TO 1'-6" COVER

~~K.TO L:-15 B.C.T. 1'-6" COVER~~

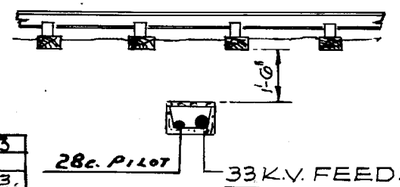
~~L.TO M:-15 B.C.T. RISES FROM 1'-6" COVER TO SURFACE LEVEL~~

ABANDONED REDUNDANT CABLES SHOWN THUS:-

~~1x4c. PILOT CABLE~~

NOTE

THIS DRG. SUPERSEDES B-1486 &7



B.TO C.

ALL CROSS SECTIONS FACING LANCING S/S.

33 K.V. FEEDER JOINT.

SURFACE ROUTE.

BURIED ROUTE.

LEAD TO DUCTS.

1	ALT:- ~~D.R.B.~~ 7-5-63 CHD:- G.H. 22.5.63 APP:- PS. 1.8.63.

DETAILS OF 4&17 CORE PILOTS & ADDITIONAL IMFORMATION OF FDR. 21 ADDED

3	CHD. ~~M.R.~~ 29-5-63 APP.

DRAWING NO.
WAS C.L. 34.

2.	CHD. G.H. 9.2.65 APD. [illegible] 6.4.65. AGD. [illegible] 21.4.65

REDUNDANT CABLES INDICATED.
DETAILS OF NEW 2Bc PILOT CABLES ADDED

5	CHD: APP:

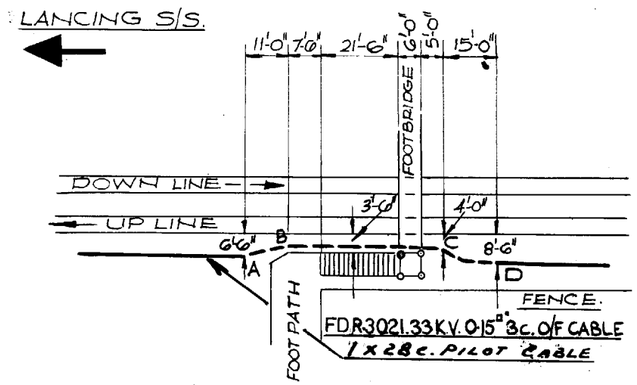
FEEDER Nº 3021
WAS FEEDER Nº 21.

4	CHD. ~~M.R.~~ 18-8-65 APP. A.M. 13-10-65

DRG. BROUGHT UP TO DATE AFTER COMPLETION OF BRIDGE REBUILDING.

WORTHING — WEST WORTHING

[BETWEEN MILE POSTS 11 11 1/4]



ROUTE DETAILS.

A TO B:- 15" B.C.T. FALLS FROM SURFACE LEVEL TO 1'-0" COVER.

B TO C:- 15" B.C.T. 1'-0" COVER.

C TO D:- 15" B.C.T. TURNS & RISES TO SURFACE LEVEL.

BRITISH RAILWAYS.
SOUTHERN REGION.
CHIEF MECHANICAL & ELECTRICAL ENGR'S. DEPT.
15, ST. THOMAS STREET S. E. 1.

BURIED CABLE CHART.

FEEDER 3021

5140

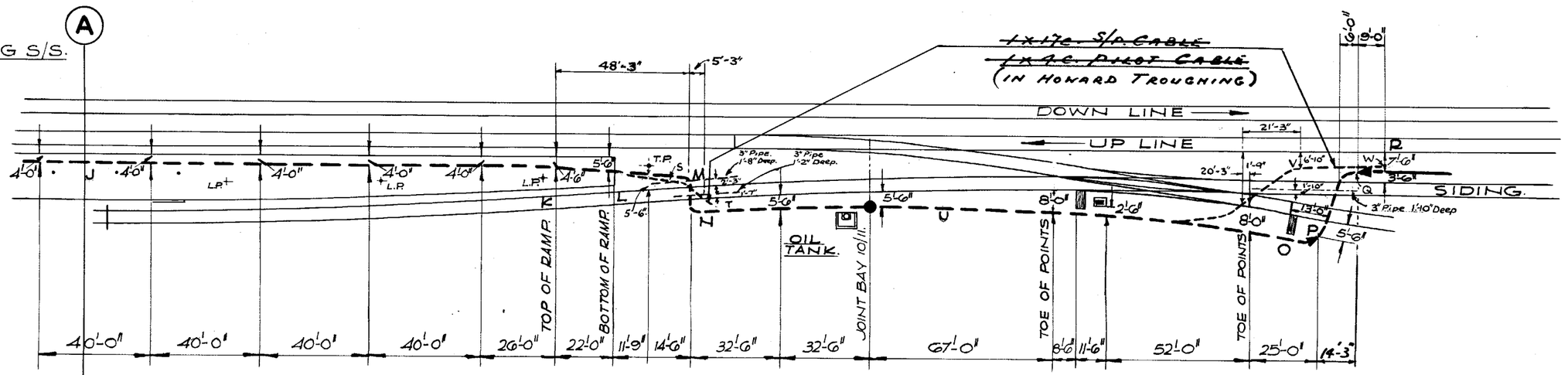
LANCING S/S — WEST WORTHING S/S

DRN. BY. C.J. Matthews	SCALES:- 1" - 40'-0" / 1/4" - 1'-0"	CHART No.	CL. 27.
CHD. BY.	TRD. BY. C.J. Matthews		
APPD. BY.	TRG. CHD. BY.		

4 CHD:
APP:

FEEDER Nº 3021 WAS FEEDER Nº 21

BURIED ROUTE AT WEST WORTHING STN.



CONTINUED ON CHART. C.L. 29.

GROUND LEVEL

ROUTE DETAILS.

J TO K :- 15" B.C.T. THROUGH PLATFORM WITH 1'-0" AVERAGE COVER.
K TO L :- 15" B.C.T. PASSES DOWN RAMP TO 1'-0" COVER UNDER CESS LEVEL.
L TO M :- 15" B.C.T. FALLS FROM 1'-0" TO 1'-6" COVER TO PASS UNDER SIDING.
M TO N :- 15" B.C.T. PASSES UNDER SIDING WITH 1'-6" COVER.
N TO O :- 15" B.C.T. 1'-6" COVER.
O TO P :- 15" B.C.T. FALLS FROM 1'-6" COVER TO 2'-6" AT FACE OF DUCTS.
P TO Q :- 4 x 5" A/C. DUCTS 3'-0" COVER UNDER RAILS.
Q TO R :- 15" B.C.T. RISES FROM 2'-0" COVER AT FACE OF DUCTS TO SURFACE LEVEL.

ROUTE DETAILS

~~L TO S HOWARD TROUGHING IN B.C.T. FALLING FROM 1'-0" TO 3'-6" DEEP~~
~~S TO T " " " " 3'-6" DEEP.~~
~~T TO U " " " " FALLING FROM 3'-6" TO 4'-0" DEEP~~
~~U TO V " " " " 4'-0" DEEP~~
~~V TO W " " " " RISING FROM 4'-0" DEEP TO SURFACE~~

FDR. Nº 3021
1x28c. PILOT CABLE.
N TO O

17 CORE 4 CORE
REDUNDANT

see plan for distances.
1'-0"
33 K.V. FEEDER.
1x28c. PILOT CABLE
J. TO K. & K. TO L.

1'-0"
33 K.V. FEEDER.
L. TO M.
1x28c. PILOT CABLE

ABANDONED REDUNDANT CABLE SHOWN THUS:-
~~1x4c. PILOT CABLE~~
1'-0"
33 K.V. FEEDER.
M. TO N.

3'-0"
1x28c. PILOT CABLE.
33 K.V. FEEDER
P. TO Q.

1	CHD. G.P. 10.6.63 APP. ~	2	CHD. G.P. 9.2.65 APD. " 6.4.65 ABD. " 21.4.65	3 CHD. WRL. 29.5.68 APP.
	BURIED DETAILS OF 4c & 17c. CABLES ADDED.		REDUNDANT CABLES INDICATED. DETAILS OF NEW 28c. PILOT CABLES ADDED.	DRAWING NO. WAS C.L. 37/1.

33 K.V. FEEDER JOINT.
SUPERSEDED ROUTE
BURIED ROUTE
LEAD TO DUCTS.

ALL CROSS SECTIONS FACING LANCING S/S.

THIS DRAWING SUPERSEDES DRG. Nº B1570 SHT. 2

BRITISH RAILWAYS.
SOUTHERN REGION.
CHIEF MECHANICAL & ELECTRICAL ENGR'S. DEPT.
15 ST. THOMAS STREET S.E.1.

BURIED CABLE CHART

FEEDER 3021

LANCING S/S — WEST WORTHING S/S

5149

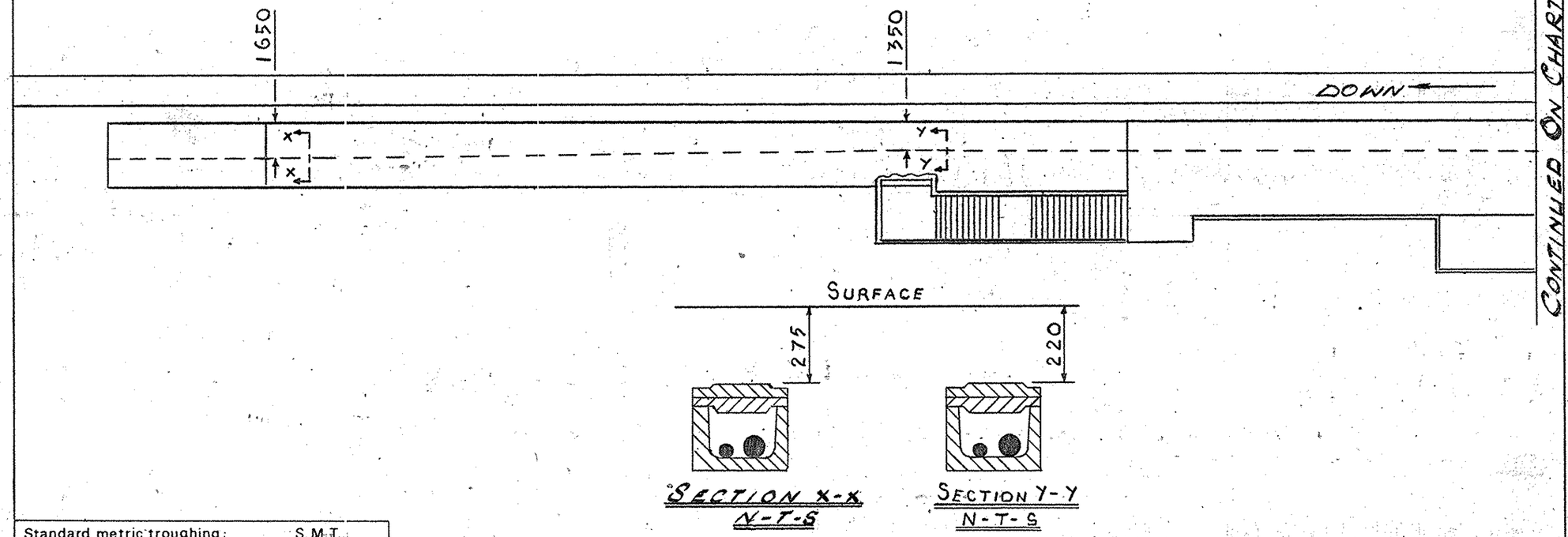
DRN. BY C.J. Matthews. SCALE
CHD. BY
APPD. BY
TR'D. BY C.J. Matthews.

CHART No. C.L. 30.

← To Goring Station.
← To Goring T.P. Hut.

Durrington-On-Sea
Down Platform

To West Worthing Sub-Stn. →
To West Worthing Station. →



SECTION X-X
N-T-S

SECTION Y-Y
N-T-S

Standard metric troughing:	S.M.T.
Bell mouth in inspection chamber.	
Surface route.	
Buried route.	
Lead to ducts.	
Surface feeder joint.	
Buried feeder joint.	
Surface pilot joint.	
Buried pilot joint.	
Scale: 1 : 200	
Dimensions are for route location only & do not refer to cable length.	

British Railways (S R) CM & EE Dept. Southern House Croydon.

WEST WORTHING S/S. TO ANGMERING S/S

FEEDER NUMBER 322 & 48
CORE SUPERVISORY PILOT CABLE

Drn MRC 9/3/79	App. L.E.H 16.9.80	Chart No. PC-2A
Chd MRC	Agd.	

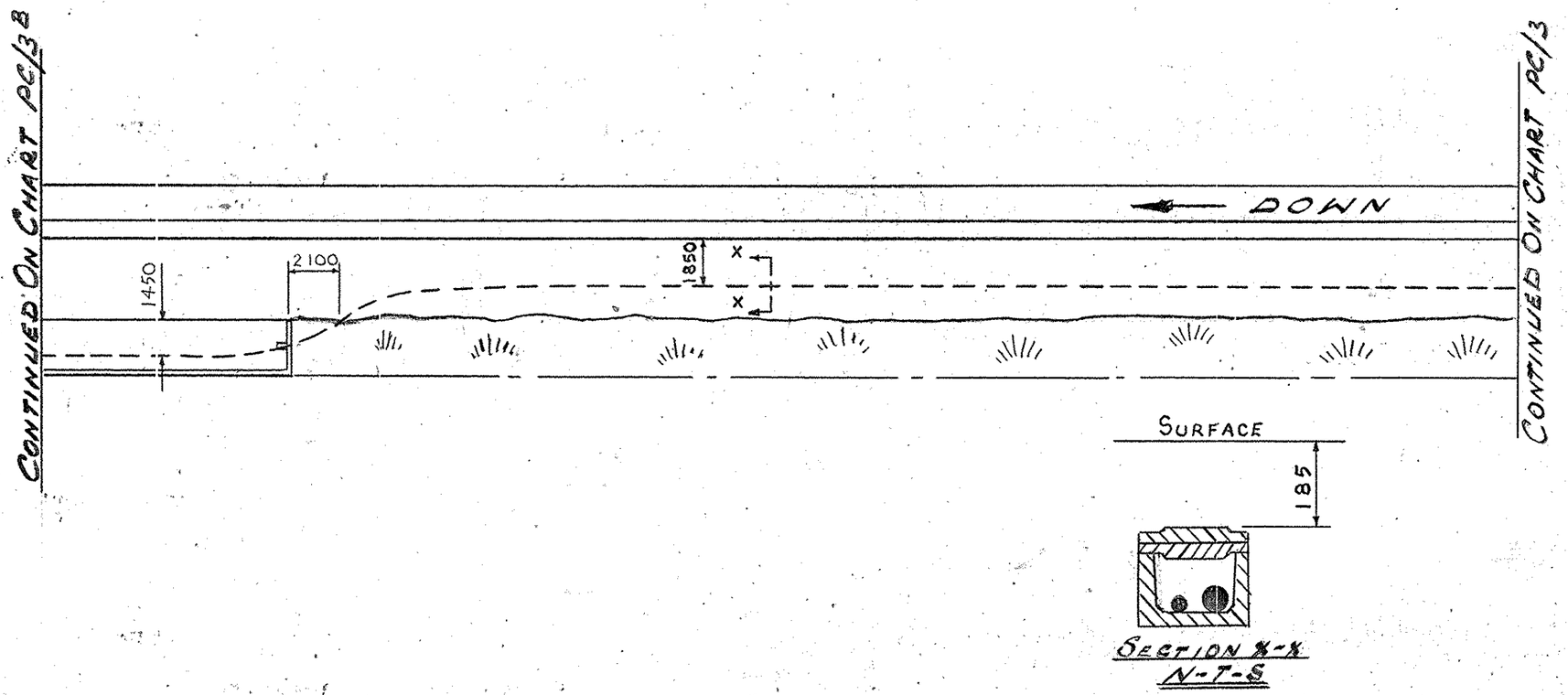
BR 888/77

J836

← TO GORING T.P. HUT.
← TO ANGMERING S/STN.

GORING-BY-SEA
DOWN PLATFORM

TO DURRINGTON-STATION. →
TO WEST WORTHING S/STN. →



SECTION X-X
N-T-S

Standard metric troughing:	S.M.T.
Bell mouth in inspection chamber.	
Surface route.	
Buried route.	
Lead to ducts.	
Surface feeder joint.	
Buried feeder joint.	
Surface pilot joint.	
Buried pilot joint.	

Scale: 1 : 200

Dimensions are for route location only & do not refer to cable length.

British Railways (S R) CM & EE Dept. Southern House Croydon.

WEST WORTHING S/S TO ANGMERING S/S.

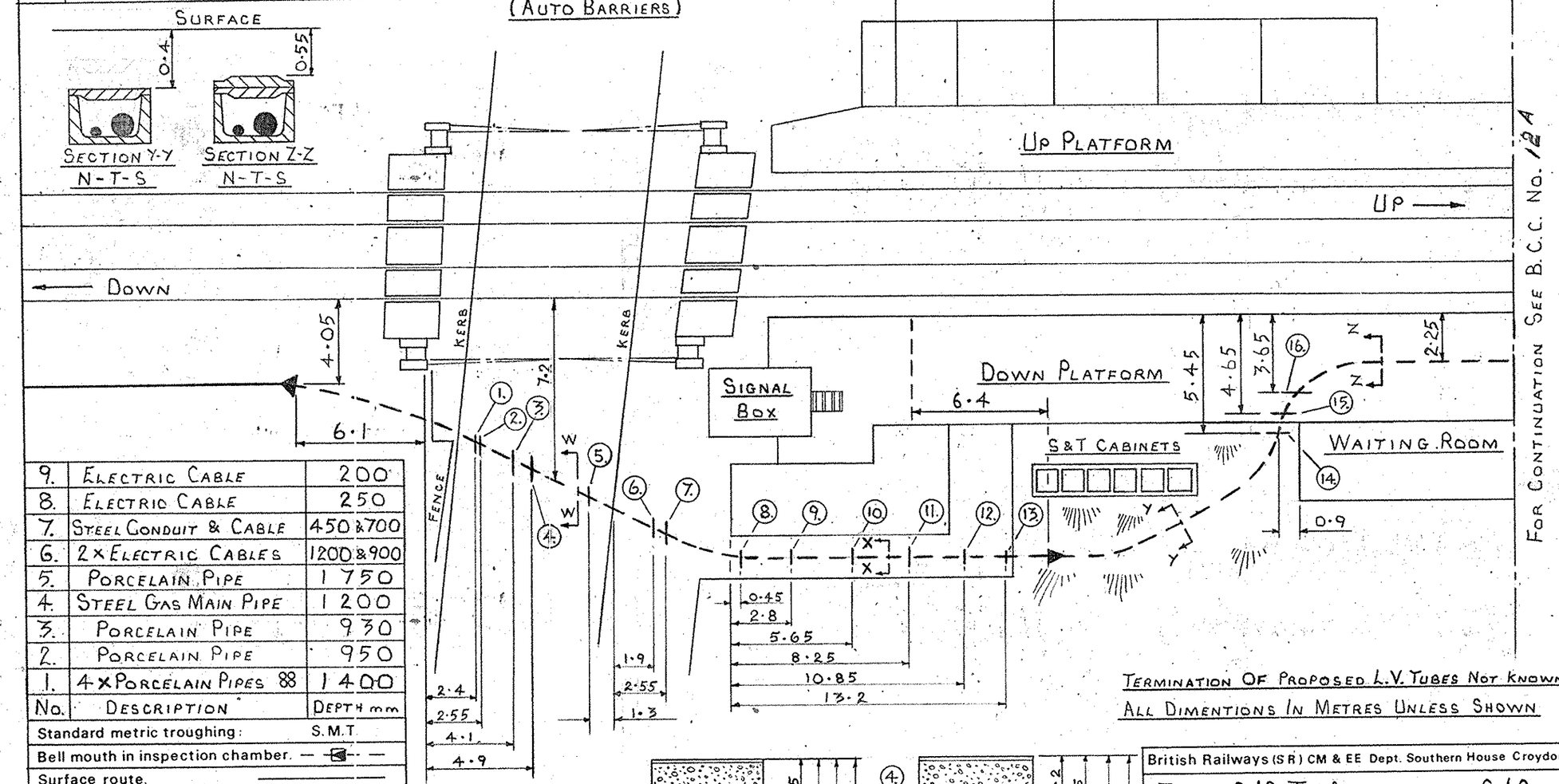
FEEDER NUMBER 322 & 48
CORE SUPERVISORY PILOT CABLE

Drn ARC 13/3/79	App. L.E.H. 16·9·80	Chart No PC/3A
Chd ARC	Agd.	

BR 888/77

J836

No.	Description	Depth mm
10.	Electric Cable	250
11.	Electric Cable	200
12.	Electric Cable	200
13.	Plastic Conduit	500
14.	Plastic Conduit	400
15.	Water Pipe	370
16.	S&T 12½" Troughing Route	200



No.	Description	Depth mm
9.	Electric Cable	200
8.	Electric Cable	250
7.	Steel Conduit & Cable	450 & 700
6.	2 × Electric Cables	1200 & 900
5.	Porcelain Pipe	1750
4.	Steel Gas Main Pipe	1200
3.	Porcelain Pipe	930
2.	Porcelain Pipe	950
1.	4 × Porcelain Pipes 88	1400

Standard metric troughing: S.M.T.

Bell mouth in inspection chamber.

Surface route.

Buried route.

Lead to ducts.

Surface feeder joint.

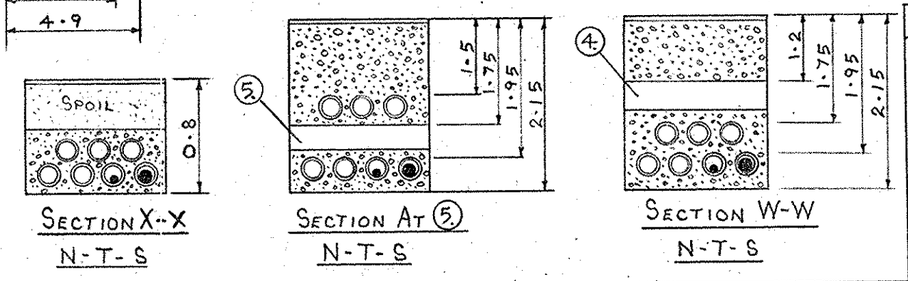
Buried feeder joint.

Surface pilot joint.

Buried pilot joint.

Scale: 1:200

Dimensions are for route location only & do not refer to cable length.



Termination Of Proposed L.V. Tubes Not Known

All Dimentions In Metres Unless Shown

British Railways (S R) CM & EE Dept. Southern House Croydon.

Ford S/S To Angmering S/S.

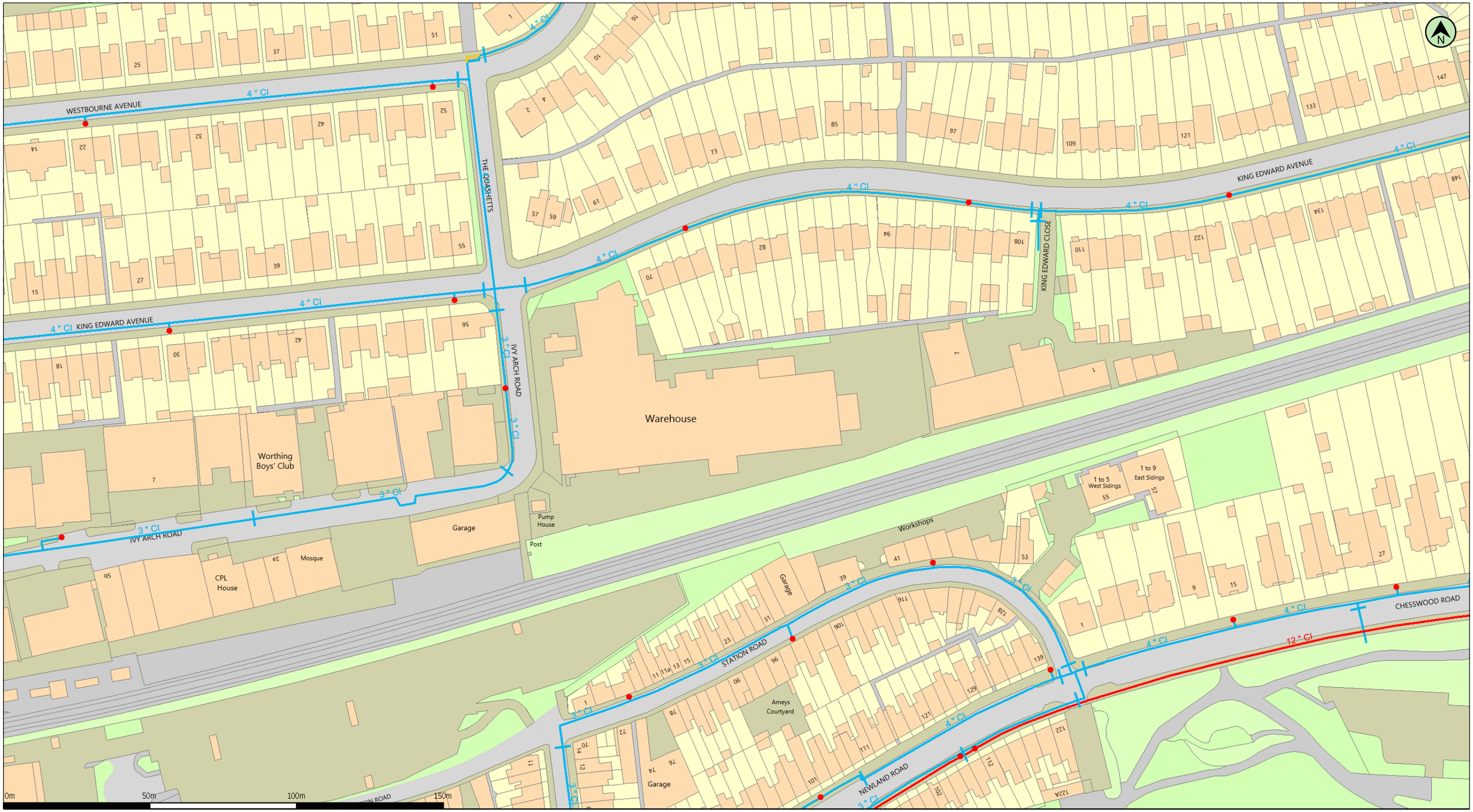
1979 Cable Renewals

Feeder No. 323 & 1×48 Core Supervisory Pilot Cable.

Drn. P.H. 27/6/79	Appl. E.H. 16·9·80	Chart No PC/12 B
Chd. P.H. 27-6-79	Agd.	

J836

BR 888/77



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WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

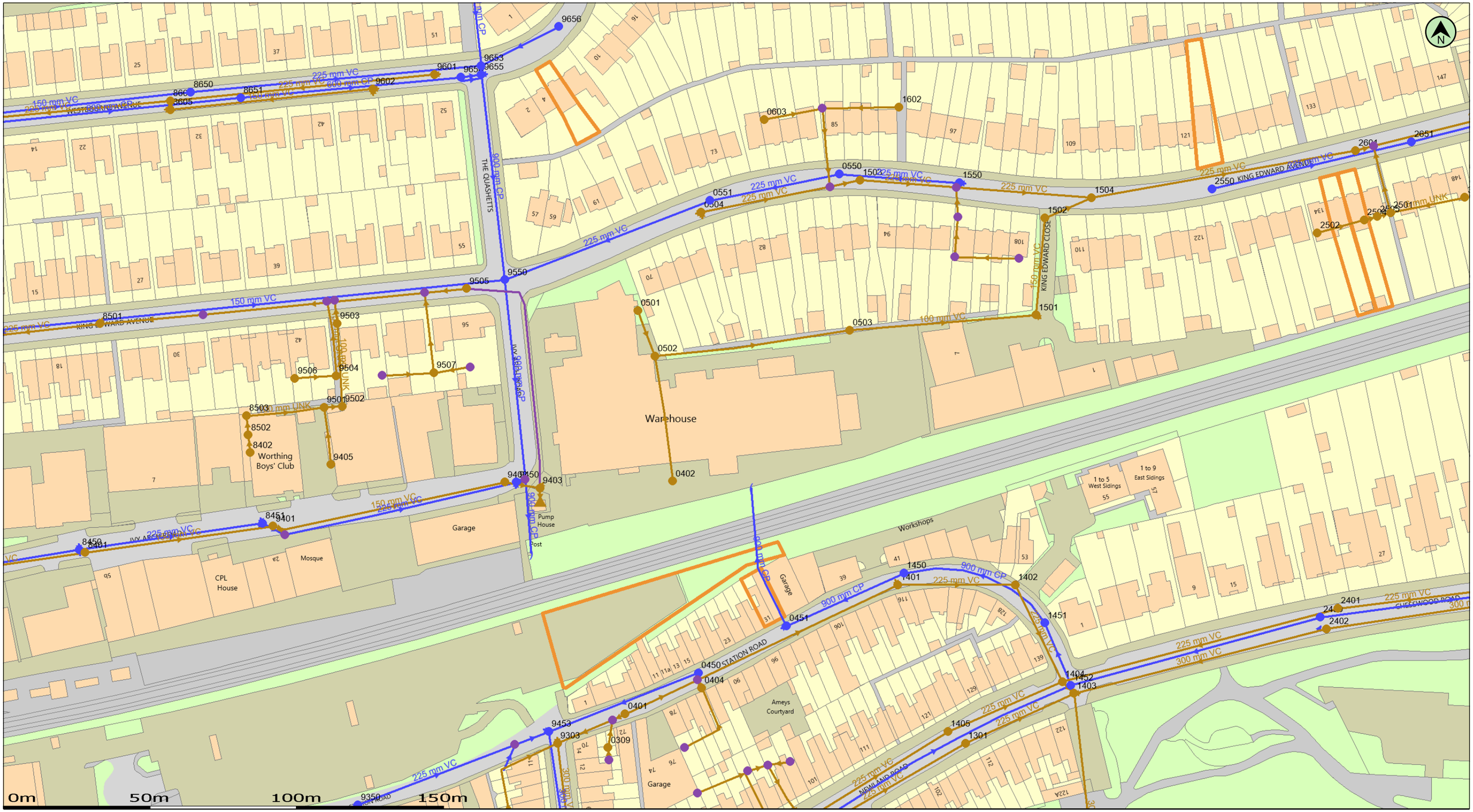
Water Main | Proposed Main | Trunk Main | Non-potable Main | Abandoned Main

Water Hydrant | Water Meter | Water Valve

ldavis@rsk.co.uk

305407

WATER for LIFE from Southern Water.



(c) Crown copyright and database rights 2024 Ordnance Survey 100031673 | Date: 11/04/24 | Scale: 1:1250 | Map Centre: 515059,103514 | Data updated: 12/01/24 | Our Ref: 1442171 - 3 | Wastewater Plan A3

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2024 Ordnance Survey 100031673 .This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

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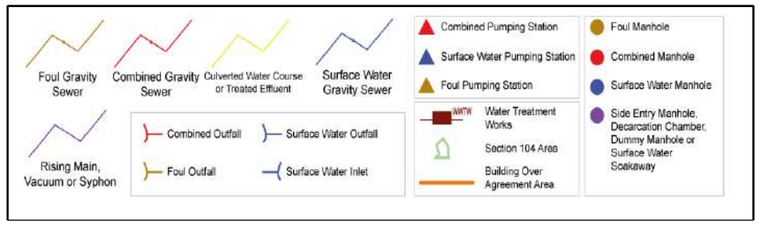


ldavis@rsk.co.uk

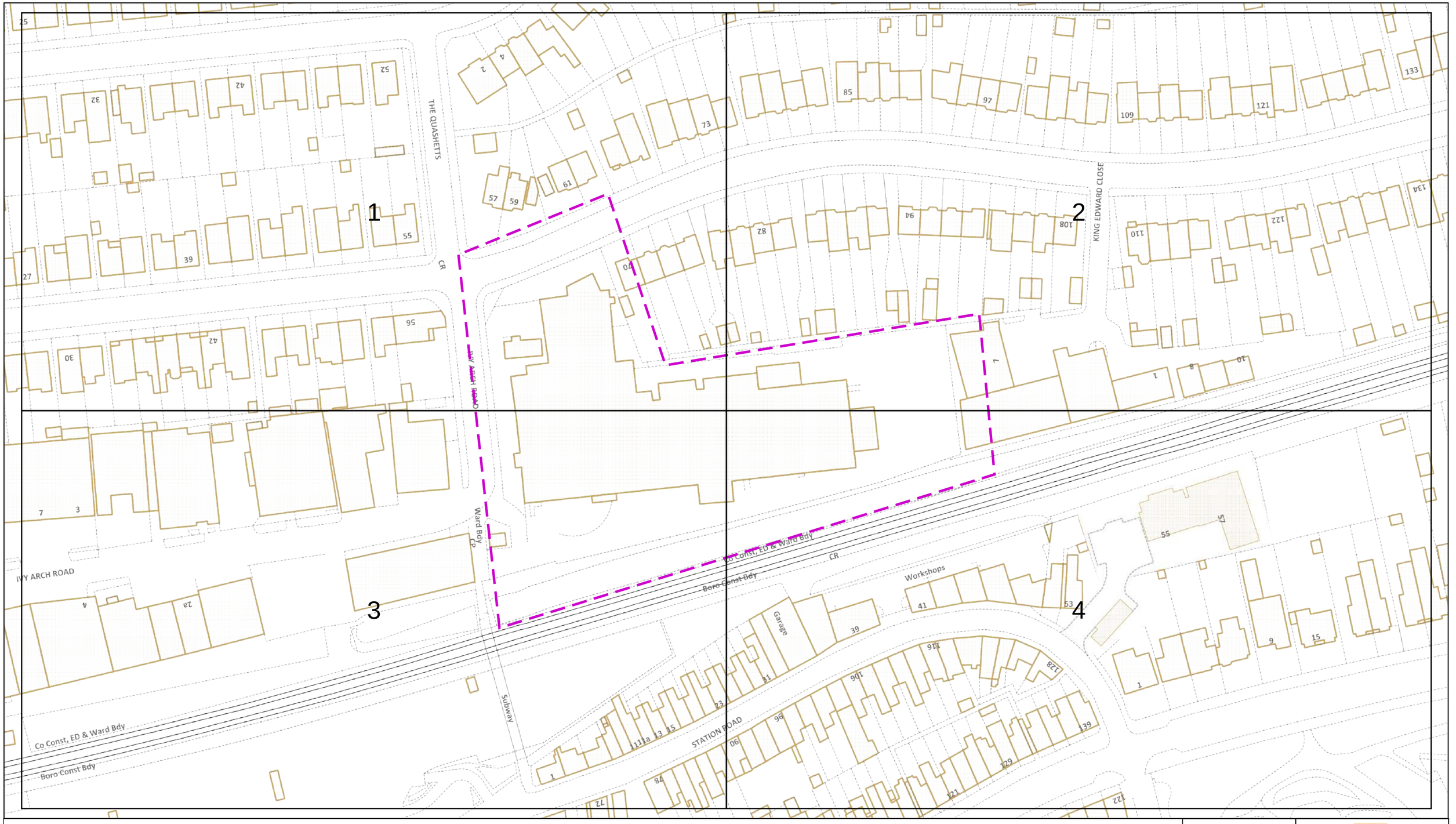
305407

WATER for LIFE from Southern Water

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
0309	F	0.00	0.00	
0401	F	3.12	0.00	
0402	F	0.00	0.00	
0404	F	0.00	0.00	
0501	F	0.00	0.00	
0502	F	0.00	0.00	
0503	F	0.00	0.00	
0504	F	3.89	3.09	
0603	F	0.00	0.00	
1301	F	2.69	1.10	
1401	F	2.71	1.24	
1402	F	2.73	1.09	
1403	F	2.69	0.82	
1404	F	2.74	0.93	
1405	F	2.69	1.14	
1501	F	4.27	3.34	
1502	F	4.59	2.92	
1503	F	4.24	0.00	
1504	F	4.71	0.00	
1602	F	0.00	0.00	
2401	F	3.55	0.00	
2402	F	3.56	1.79	
2501	F	0.00	0.00	
2502	F	0.00	0.00	
2504	F	0.00	0.00	
2505	F	0.00	0.00	
2601	F	4.45	0.00	
3501	F	0.00	0.00	
8401	F	6.26	4.61	
8402	F	0.00	0.00	
8501	F	5.23	0.00	
8502	F	0.00	0.00	
8503	F	0.00	0.00	
8604	F	5.17	3.32	
8605	F	4.65	2.93	
9303	F	3.51	1.06	
9401	F	4.98	3.09	
9402	F	3.76	2.15	
9403	F	3.74	1.55	
9405	F	0.00	0.00	
9501	F	0.00	0.00	
9502	F	0.00	0.00	
9503	F	0.00	0.00	
9504	F	0.00	0.00	
9505	F	0.00	0.00	
9506	F	0.00	0.00	
9507	F	0.00	0.00	
9601	F	4.33	3.32	
9602	F	4.31	3.25	
0450	S	2.88	0.00	

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
0451	S	2.78	0.00	
0550	S	4.15	0.00	
0551	S	3.91	2.99	
1450	S	2.70	0.00	
1451	S	2.75	0.00	
1452	S	2.75	0.00	
1550	S	4.42	3.41	
2450	S	3.57	1.17	
2550	S	4.53	0.00	
2651	S	4.51	2.55	
8450	S	6.35	0.00	
8451	S	5.10	0.00	
8550	S	5.67	4.30	
8650	S	4.68	3.48	
8651	S	4.63	3.02	
9350	S	4.44	3.16	
9450	S	3.69	2.58	
9453	S	3.55	1.80	
9550	S	4.01	2.41	
9653	S	4.37	2.54	
9654	S	4.32	0.00	
9655	S	4.37	2.54	
9656	S	0.00	0.00	

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert



Dig Sites Area: Line:

The quality and accuracy of any print will depend on your printer, your computer and its print settings. Measurements scaled from this plan may not match measurements between the same points on the ground.

This plan must be used with the attached 'Symbols' document.

Date Requested: 11/04/2024
Job Reference: 33062212
Site Location: 514980 103454
Requested by:
Miss Monique Elsom
Your Scheme/Reference: 305407

Scale: 1:1025 (When plotted at A3)

1. The position of the apparatus shown on this drawing is believed to be correct but the original landmarks may have been altered since the apparatus was installed.
2. The exact position of the apparatus should be verified – use approved cable avoidance tools prior to excavation using suitable hand tools.
3. It is essential that trial holes are carefully made avoiding the use of mechanical tools or picks until the exact location of all the cables have been determined.
4. It must be assumed that there is a service cable into each property, lamp column and street sign, etc.
5. All cables must be treated as being live unless proved otherwise by UK Power Networks.
6. The information proved must be given to all people working near UK Power Networks plant and equipment. Do not use plans more than 3 months after the issue date for excavation purposes.
7. Please be aware that electric cables/lines belonging to other owners of licensed electricity distribution systems may be present and it is your responsibility to identify their location.

1. UK Power Networks does not warrant that the information provided to you is correct. You rely upon it at your own risk.
2. UK Power Networks does not exclude or limit its liability if it causes the death of any persons or causes personal injury to a person.
3. Subject to paragraph 2 UK Power Networks has no liability to you in contract, in tort (including negligence), for breach of statutory duty or otherwise for any loss, damage, cost, claims, demands, or expenses that you or any third party may suffer or incur as a result of using the information provided whether for physical damage to property or for any economic loss (including without limitation loss of profit, loss of opportunity, loss of savings, loss of goodwill, loss of business, loss of use) or any special or consequential loss or damage whatsoever.
4. This plan has been provided to you on the basis of the terms of use set out in the covering letter that accompanies this plan. If you do not accept and/or do not understand the terms of use set out in the covering letter you must not use the plan and must return it to the sender of the letter.
5. You are responsible for the security of the information provided to you. It must not be given, sold or made available upon payment of a fee to a third party.

N W E S

UK Power Networks

IF IN DOUBT - ASK!
PHONE 0800 056 5866
EMERGENCY - If you damage a cable or line Phone 0800 783 8838 (24hrs) URGENTLY

LOOK OUT LOOK UP

ALWAYS LOOK UP BEFORE YOU START WORK
Refer to HSE Guidance note GS6

Maps produced at 1:2500 scale are Geo-Schematics which show LV mains cables and overhead lines (in some cases all voltages). Prior to carrying out excavations you must refer to the 1:500 records to determine the location of all known underground plant and equipment.

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