515X1220

SOUTHWARK SUBSTATION.
For detail of cable route see B.T.C. substation layout plan.

Cable down to Stop Joints on Special Steelwork.

719'-0"
628'-0"
256'-8"
954'-3"
794'-3"
1639'-0"
936'-6"
799'-9"
1638'-6"
3008'-3"
1609'-6"
1608'-8"
1607'-6"
1714'-6" FEEDER Nº 512. 33 kV. 3c. 0·20" o/f. CABLE.
1716'-9" FEEDER Nº 513. 33 kV. 3c. 0·20" o/f. CABLE.
1717'-3" 28 CORE PILOT CABLE
1648'-3"
1648'-6"
2069'-6"
Stop Jt. A1
Stop Jt. A1
Open Jt. A
Open Jt. A
Straight Jt.
Straight Jt.
Pilot Jt.
Straight Jt.
Straight Jt.
Pilot Jt.
Straight Jt.
Straight Jt.
Pilot Jt.
Open Jt. B
Open Jt. B
Pilot Jt.
Cut Line AA
Cut Line AA
Expansion Joints
Expansion Joints
Cont. on Sheet 2.

For detail of buried cable on this sheet see Drg. Nº 12430c/CENTRAL/B.C.C.28

FEEDER Nº 512.
Total Length 33 kV. cable.
4893¼ Yds. 3c. 0·20" o/f. cable.
90 11/12 Yds. 3c. 0·25" Solid cable.

FEEDER Nº 513.
Total Length 33 kV. cable.
4893¼ Yds. 3c. 0·20" o/f. cable.
65 5/12 Yds. 3c. 0·25" SOLID CABLE. (To O.C.B) LOUGHBOROUGH
17 7/12 Yds. 3x 0·4" SINGLE CORE. (To O.C.B.) SOUTHWARK
51 1/12 Yds. 3x 0·1" SINGLE CORE (To Aux. Trans.)
Total Length 28 core Pilot cable.
4988¼ Yds. from Southwark to Loughborough.

Cross section of route facing Southwark

A	B	D	E	F	G	H
19½"	11" Buried Double Decker Trough.					

Reference
Surface route.
Buried route.
512. Feeder cable joints.
513. Feeder cable joints.
Pilot cable joints.

Scale:- 1/250.

3	2.10.60 - 12.11.60	2	21.7.66 - 5.8.66
2	10.9.73 - 13.11.73	1	17.7.73 - 10.8.73

BLACKFRIARS S/STN. REMOVED. SOUTHWARK S/STN. INSERTION JOINTS ADDED ON FEEDER CABLE NUMBERS 512 & 513. ADDITIONAL JOINTS ADDED ON FEEDER CABLE NUMBERS 512 & 513. PILOT CABLE BETWEEN CHAINAGE NUMBERS 6/3 & 5/4. DIMENSION ADDED. DIMENSION REVISED. DIMENSION ADDED. NOTE REVISED. PILOT CABLE REMOVED. PILOT CABLE REMOVED. DIMENSIONS REVISED. DIMENSION REVISED. NOTE REVISED. PILOT CABLE REMOVED. PILOT CABLE REMOVED. DIMENSIONS REVISED. DIMENSIONS REVISED. NOTE REVISED. PILOT CABLE REMOVED. PILOT CABLE REMOVED. DIMENSIONS REVISED. DIMENSIONS REVISED. NOTE REVISED. PILOT CABLE REMOVED. PILOT CABLE REMOVED. DIMENSIONS REVISED. DIMENSIONS REVISED. NOTE REVISED. PILOT CABLE REMOVED. PILOT CABLE REMOVED.

28157

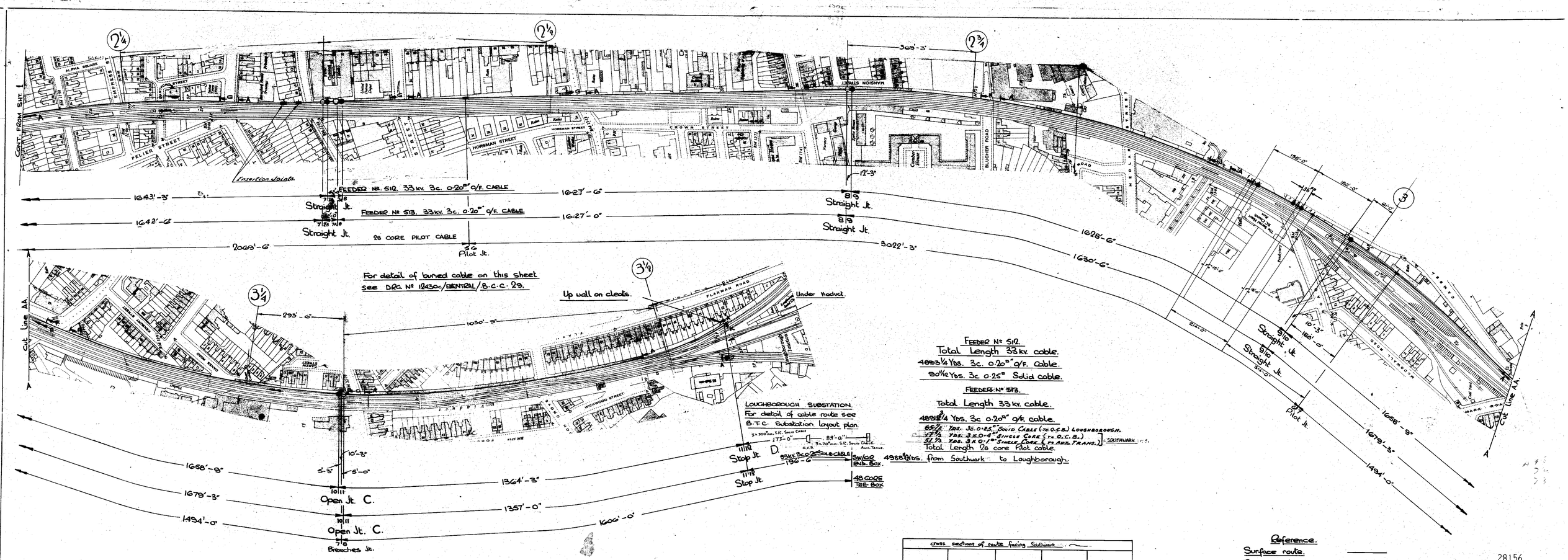
PIRELLI GENERAL CABLE WORKS LTD.

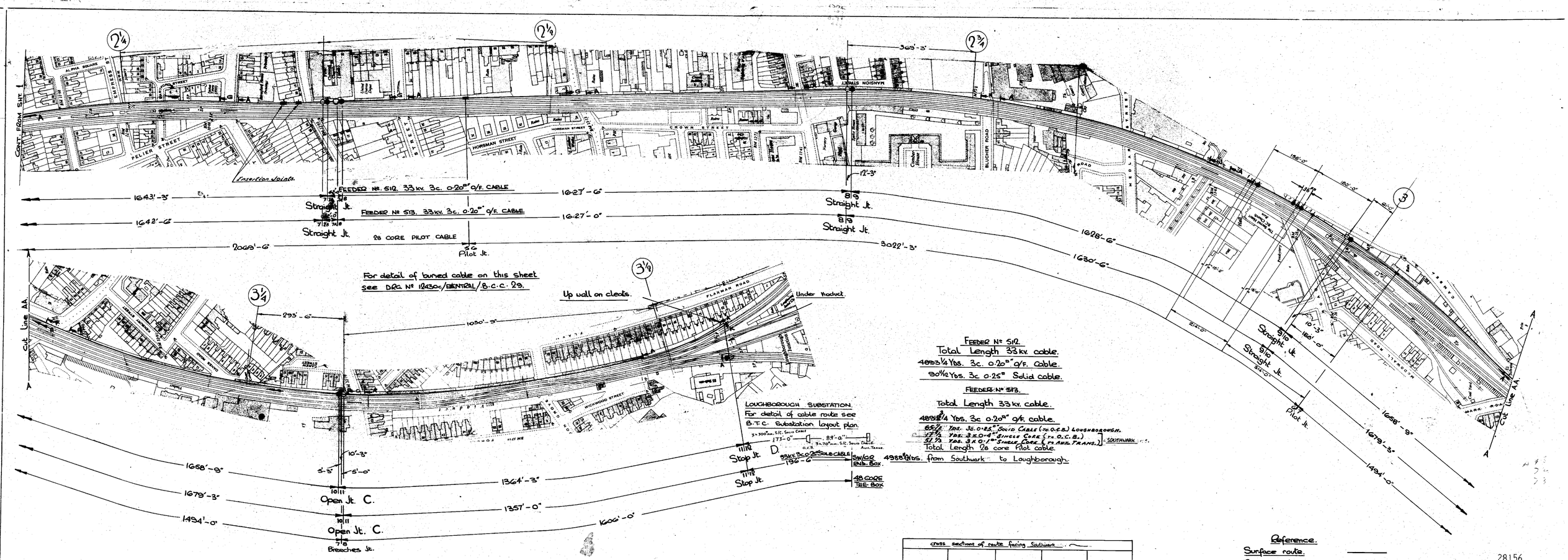
SOUTHWARK to LOUGHBOROUGH.
FEEDER Nos 512 & 513.

DRAWN BY	
DATE	20-9-55
CHECKED BY	

DRG. Nº 12430c/CENTRAL/FC. 2. SHEET. 1

512 & 513


CONT. FROM SHT. 1
ALFRED SQUARE
PELIER STREET
HORSMAN STREET
CROWN STREET
WANDSWORTH STREET
BLUCHER ROAD
MEDLAR ROAD
Insertion Joints.
FEEDER No. 512. 33 kv. 3c. 0·20" O/F. CABLE
FEEDER No. 513. 33 kv. 3c. 0·20" O/F. CABLE
28 CORE PILOT CABLE
Straight Jt.
Pilot Jt.
1643'-3"
1642'-6"
2068'-6"
1627'-6"
1627'-0"
3022'-3"
1628'-6"
1630'-6"
For detail of buried cable on this sheet see DRG. No. 12430c/CENTRAL/B.C.C. 29.
Up wall on cleats.
Under viaduct
FLAXMAN ROAD
RICHWOOD STREET
Cut Line AA.
295'-6"
1050'-3"
10'-3"
5'-5"
5'-0"
Open Jt. C.
Breeches Jt.
1658'-9"
1679'-3"
1494'-0"
1364'-3"
1357'-0"
1006'-0"
Stop Jt. D.
Stop Jt.
173'-0"
89'-0"
3x300mm. S/C. Solid Cable
3x70mm. S/C. Solid Cable
O.C.B.
Aux. Trans.
33kv. 3c. 0·20" Solid Cable
196'-6"
Sw/Gr End Box.
48 Core Tee Box.
4988 1/2 Yds. from Southwark to Loughborough.
LOUGHBOROUGH SUBSTATION.
For detail of cable route see B.T.C. Substation layout plan.
FEEDER No. 512.
Total Length 33 kv. cable.
4893 1/4 Yds. 3c. 0·20" O/F. Cable.
90 1/2 Yds. 3c. 0·25" Solid cable.
FEEDER No. 513.
Total Length 33 kv. cable.
4893 1/4 Yds. 3c. 0·20" O/F. cable.
65 1/2 Yds. 3c. 0·25" Solid Cable (To O.C.B.) Loughborough.
27 1/2 Yds. 3x0·1" Single Core (To O.C.B.)
27 1/2 Yds. 3x0·1" Single Core (To Aux. Trans.) SOUTHWARK
Total Length 28 core Pilot cable.
Reference.
Surface route.
Buried route.
512. Feeder cable joints.
513. Feeder cable joints.
Pilot cable joints.
Scale: 1/1250.
Cross section of route facing Southwark.
19 1/2"
A
F
G
H
J
K.
B. C. T.
512 513
CHD. 10.1.84
APP. 12.1.84
BLACKFRIARS S/STN.
REARMED
SOUTHWARK S/STN.
ALT. 28.11.10.83
APP. JCM 26.2.84
Details Of New Tails At Loughborough S/S. Feeder No. 512 Added.
(0703/83)
ALT. 3.10.78
APP. 9.10
Joints Nos 28 on Feeder No. 512 & 513 Removed. Insertion Joints Nos 27/4 - 24/8 Added on both Feeders. Insertion Joints added on Length 5 of 28 c/Pilot
ALT. 18.11.78
APP. 11.10
Feeder No. 512 Insertion Joint (Interlock) Added Between Joints No. 8/3 & 3/10.
ALT. 28.4.76
APP. 28/26 & 30
Feeder No. 513. "Notes" Revised. See Mod. 1. Sheet 1.
CHD. 3.3.76
APP. 3.3.76
Repair joints added on Feeder 512 & 513 between Jts. 8/3 - 3/10 respectively.
Repair joints added on 28c. Pilot between Joints 8/3 & 3/10.
28156
Pirelli General Cable Works Ltd.
Southwark to Loughborough.
Feeder No. 512 & 513.
Drawn by
Date 29-9-75
Checked by
DRG. No. 12430c/CENTRAL/F.C.2. SHT. 2.
512 & 513


CONT. FROM SHT. 1
ALFRED SQUARE
PELIER STREET
HORSMAN STREET
CROWN STREET
WANDSWORTH STREET
BLUCHER ROAD
MEDLAR ROAD
Insertion Joints.
FEEDER No. 512. 33 kv. 3c. 0·20" O/F. CABLE
FEEDER No. 513. 33 kv. 3c. 0·20" O/F. CABLE
28 CORE PILOT CABLE
Straight Jt.
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1643'-3"
1642'-6"
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1627'-6"
1627'-0"
3022'-3"
1628'-6"
1630'-6"
For detail of buried cable on this sheet see DRG. No. 12430c/CENTRAL/B.C.C. 29.
Up wall on cleats.
Under viaduct
FLAXMAN ROAD
RICHWOOD STREET
Cut Line AA.
295'-6"
1050'-3"
10'-3"
5'-5"
5'-0"
Open Jt. C.
Breeches Jt.
1658'-9"
1679'-3"
1494'-0"
1364'-3"
1357'-0"
1006'-0"
Stop Jt. D.
Stop Jt.
173'-0"
89'-0"
3x300mm. S/C. Solid Cable
3x70mm. S/C. Solid Cable
O.C.B.
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33kv. 3c. 0·20" Solid Cable
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Sw/Gr End Box.
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27 1/2 Yds. 3x0·1" Single Core (To Aux. Trans.) SOUTHWARK
Total Length 28 core Pilot cable.
Reference.
Surface route.
Buried route.
512. Feeder cable joints.
513. Feeder cable joints.
Pilot cable joints.
Scale: 1/1250.
Cross section of route facing Southwark.
19 1/2"
A
F
G
H
J
K.
B. C. T.
512 513
CHD. 10.1.84
APP. 12.1.84
BLACKFRIARS S/STN.
REARMED
SOUTHWARK S/STN.
ALT. 28.11.10.83
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Date 29-9-75
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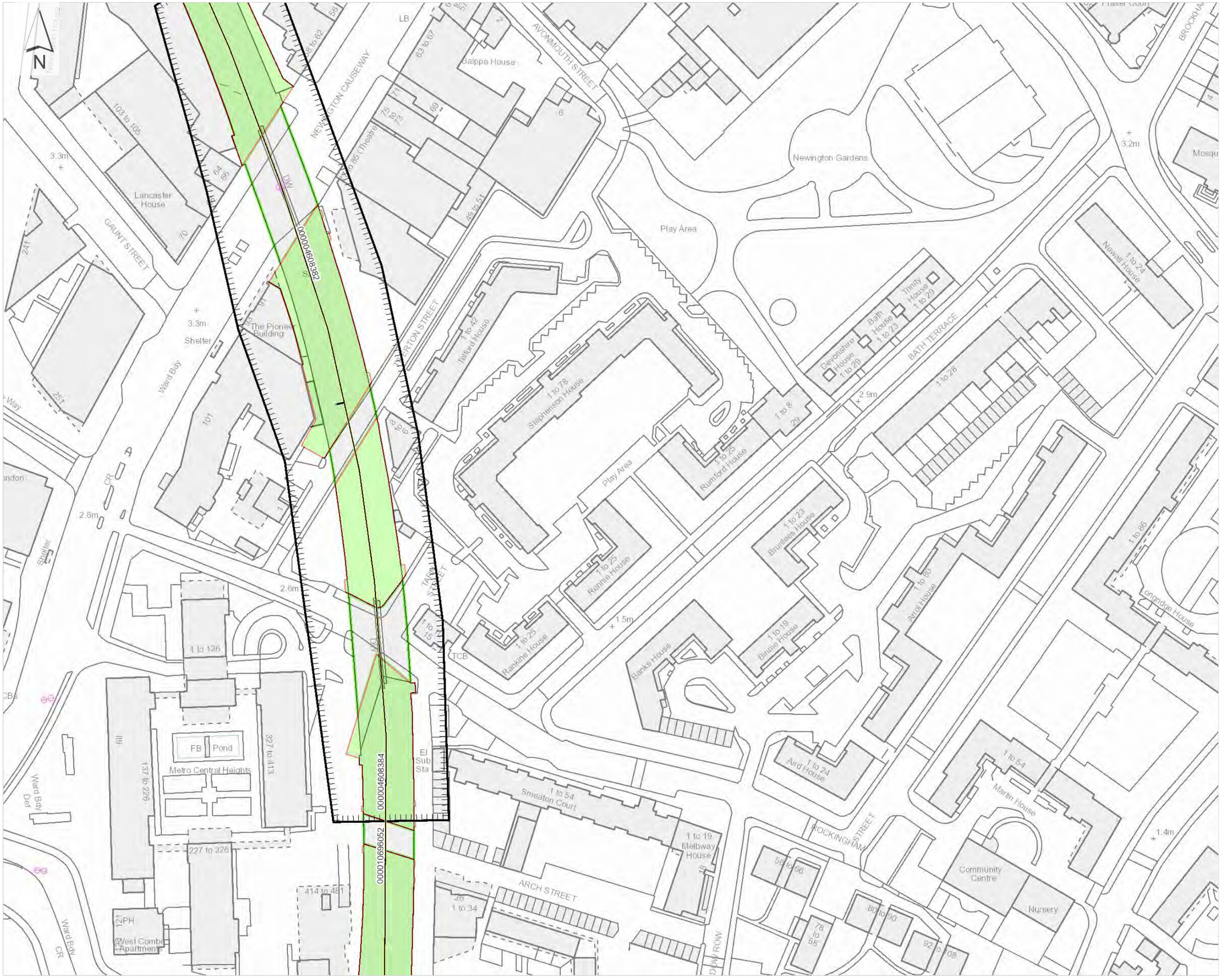
512 & 513

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

Order Ref: 99476
Plot Scale: 1:1250
Page Index: 1
Centre X, Y: 532174, 179235
Plot Date: 28/06/21

NetworkRail

Crown copyright and database rights 2021
Ordnance Survey 0100040692

Network Rail - Drainage

Legend

Company Ownership

- Freehold Ownership
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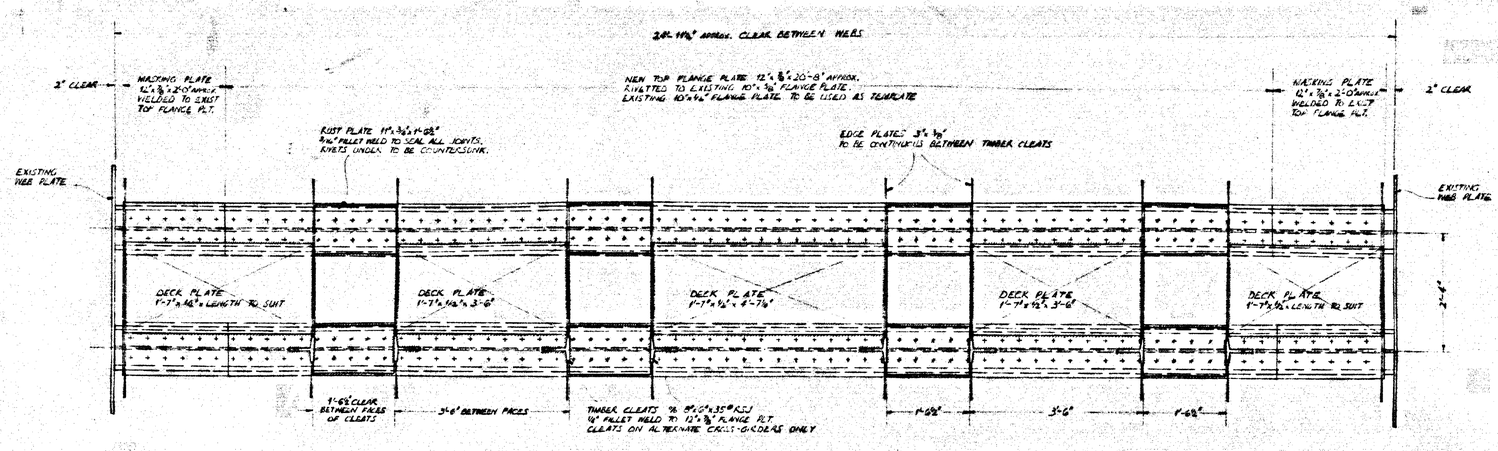
- DB Asset Line
- DC Asset Line

Order Ref: 99476
Plot Scale: 1:1250
Page Index: 2
Centre X, Y: 532174, 179553
Plot Date: 28/06/21

NetworkRail

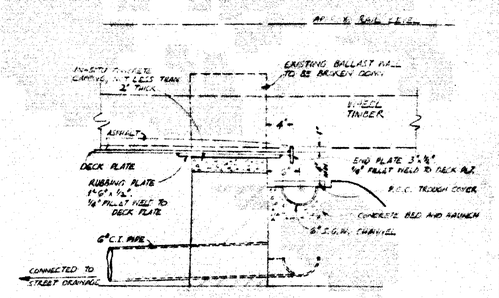
Crown copyright and database rights 2021
Ordnance Survey 0100040692

SOUTHERN HOUSE MICRO FILM UNIT



PLAN OF DECK

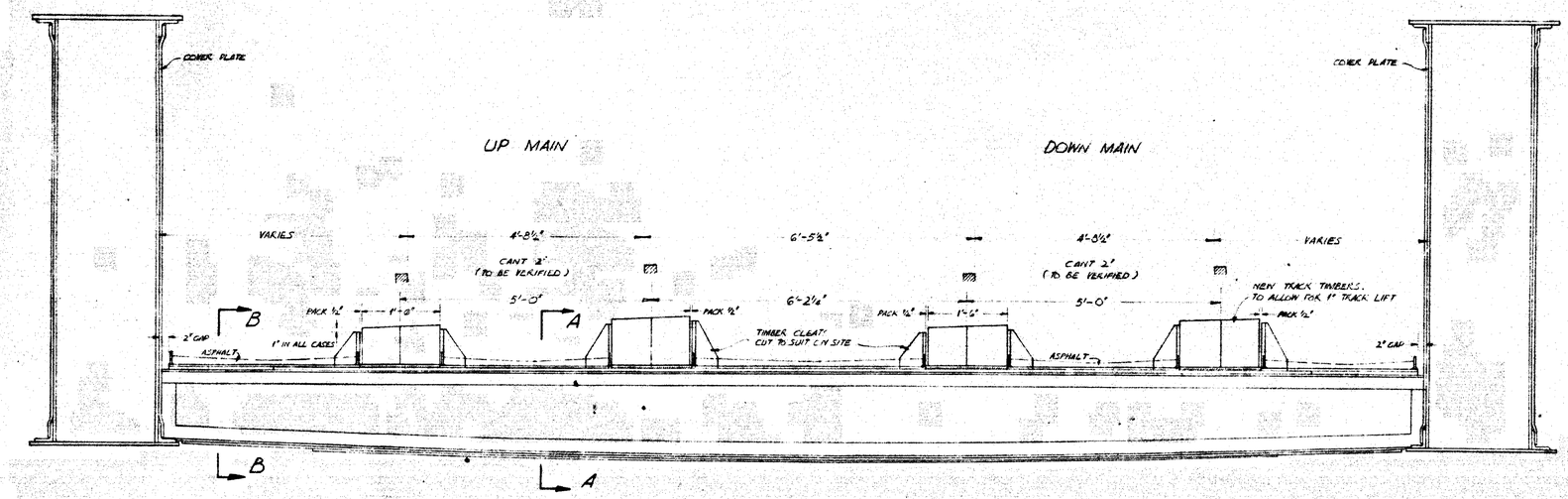
SHOWN PARTIALLY PLATED
TRACK TIMBERS NOT SHOWN



DETAIL OF BALLAST WALL

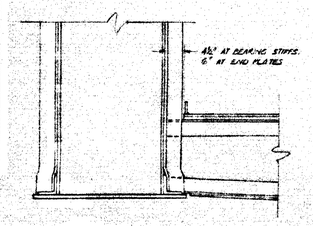
SCALE 1 INCH TO 1 FOOT

DRAINAGE CHANNEL TO FALL TOWARDS UP MAIN TRACK AT GRADIENT OF NOT LESS THAN 1 IN 60.
DRAINAGE CHANNEL MAY BE FORMED IN IN-SITU CONCRETE WHERE EXISTING BRICKWORK OR CONCRETE HAS TO BE BROKEN OUT.
MAXIMUM SPAN OF STEEL DECK FROM BALLAST WALL TO VERTICAL SUPPORT NOT TO EXCEED 2'-6" IN GENERAL. THIS CONDITION IS SATISFIED BY EXISTING STRUTWORK.
CONNECTION INTO STREET DRAINAGE TO BE BY C.I. RAINWATER HEAD, 4" C.I. DOWNPIPE ON FACE OF ABUTMENT (WITH ACCESS COVER AT LOW LEVEL), AND 6" S.G.W. PIPE BENEATH PAVEMENT.



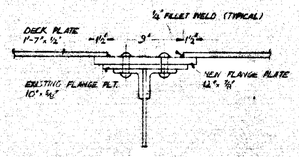
TYPICAL SECTION

LOOKING TOWARDS BLACKFRIARS



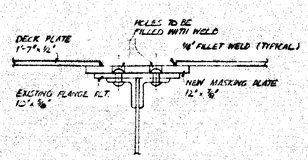
DETAIL AT END

SCALE 3/16 INCH TO 1 FOOT

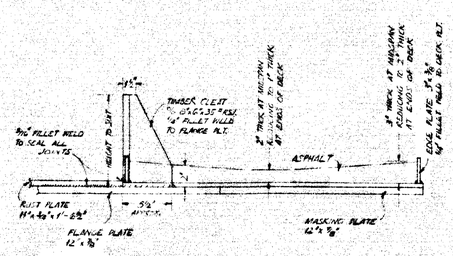


SECTION AA

SCALE 1½ INCHES TO 1 FOOT



SECTION BB



DETAIL OF DECK

SCALE 1½ INCHES TO 1 FOOT

TIMBER CLEAT MAY BE WELDED TO FLANGE PLATE INDEPENDENT OF PROVISION OF DECKING.
NOTE VARIATION IN ASPHALT THICKNESS TO ASSIST SHEDDING OF WATER TO EDGE OF DECK.

GENERAL NOTES:

1. TO BE READ IN CONJUNCTION WITH CLEVELAND BRIDGE AND ENGINEERING CO'S DRAWING No 299/393/S3/1.
2. ALL WELDING TO BE ¼" FILLET WELD, UNLESS OTHERWISE STATED.

BRITISH RAILWAYS
CHIEF CIVIL ENGINEER'S DEPT. SOUTHERN REGION

REVISED

ADDRESS I.E. DISTRICT ENGINEER'S OFFICE, PURLEY, SURREY.

276294

NEWINGTON CAUSEWAY
BRIDGE No 393
DETAILS OF DECKING AND DRAINAGE

DE.	CORR.	C.E.
JCS		

APPROVED
DISTRICT ENGINEER

SCALES ¾, 1, AND 1½ IN. TO 1 FOOT

DE's No. 10596/5
C.E.'S No.

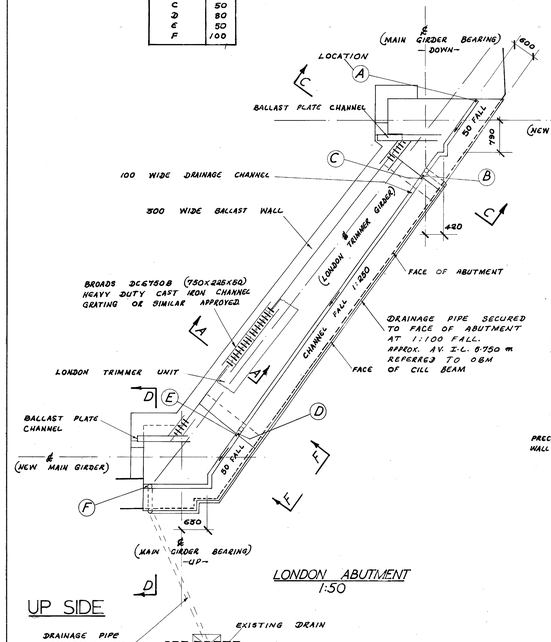
SHEET NO. 1

276294

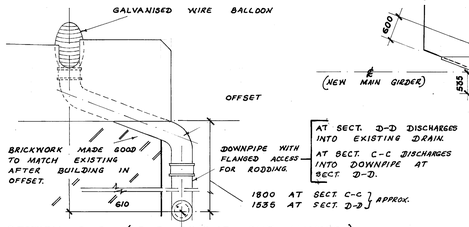
PLANDALE S.M.A.

LONDON ABUTMENT
DEPTH OF DRAINAGE CHANNEL

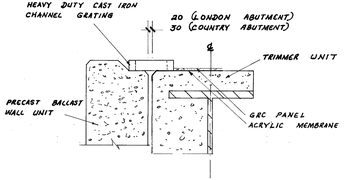
LOCATION	X
A	50
B	100
C	50
D	80
E	50
F	100



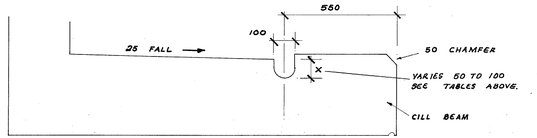
LONDON ABUTMENT
1:50



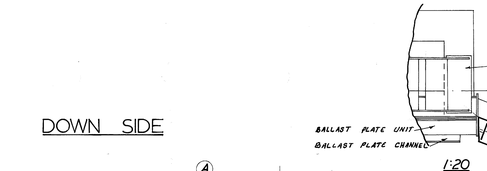
SECTION C-C (D-D SIMILAR BUT HANDED)
1:10



SECTIONS A-A
1:10

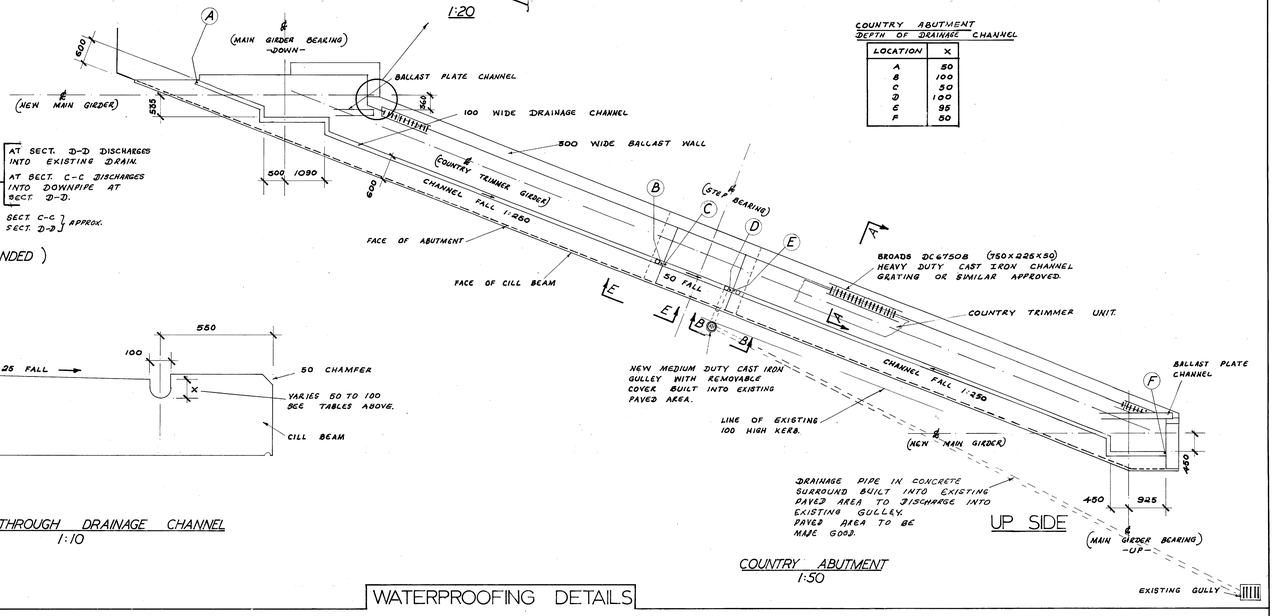


SECTION THROUGH DRAINAGE CHANNEL
1:10



1:20

DOWN SIDE



COUNTRY ABUTMENT
1:50

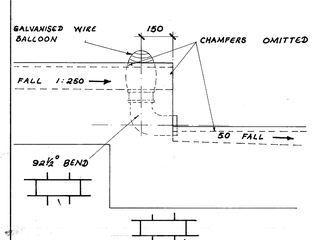
COUNTRY ABUTMENT
DEPTH OF DRAINAGE CHANNEL

LOCATION	X
A	50
B	100
C	50
D	100
E	95
F	50

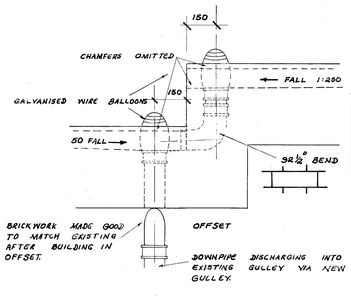
NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES
2. ALL DRAINAGE PIPES AND FITTINGS TO BE 100 DIA. CAST IRON TO BS 460 OR 416 AND 437.
3. PIPES AND FITTINGS ARE TO BE SECURED TO EXTERNAL FACE OF ABUTMENT WITH MILD STEEL BRACKETS.
4. TOP OF PIPES BELOW GROUND LEVEL TO BE AT A MINIMUM DEPTH OF 200.

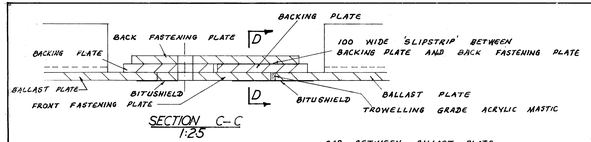
WATERPROOFING DETAILS



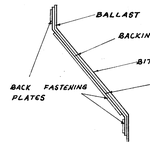
ELEVATION ON E-E (F-F SIMILAR BUT HANDED)
1:10



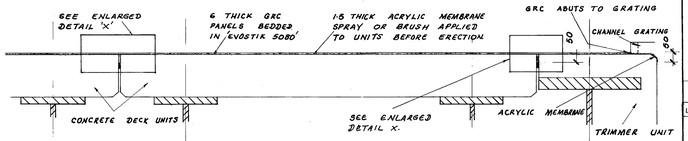
ELEVATION ON B-B
1:10



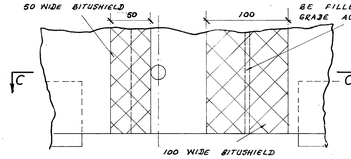
SECTION C-C
1:25



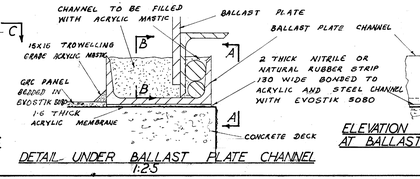
SECTION D-D
1:10



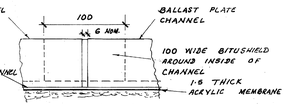
SECTION THROUGH DECK SHOWING TYPICAL DETAILS
1:10



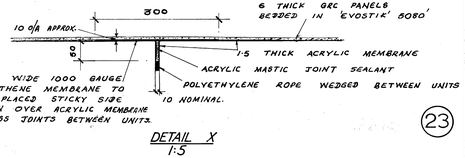
SECTION B-B SHOWING DETAIL AT JOINT BETWEEN BALLAST PLATE UNITS
1:25



DETAIL UNDER BALLAST PLATE CHANNEL
1:25



ELEVATION A-A SHOWING DETAIL AT BALLAST PLATE CHANNEL JOINT
1:25



DETAIL X
1:5

23

Letter	Date	Description of revisions	By
A	MAY 88	WATERPROOFING DETAILS ADDED.	AEJA

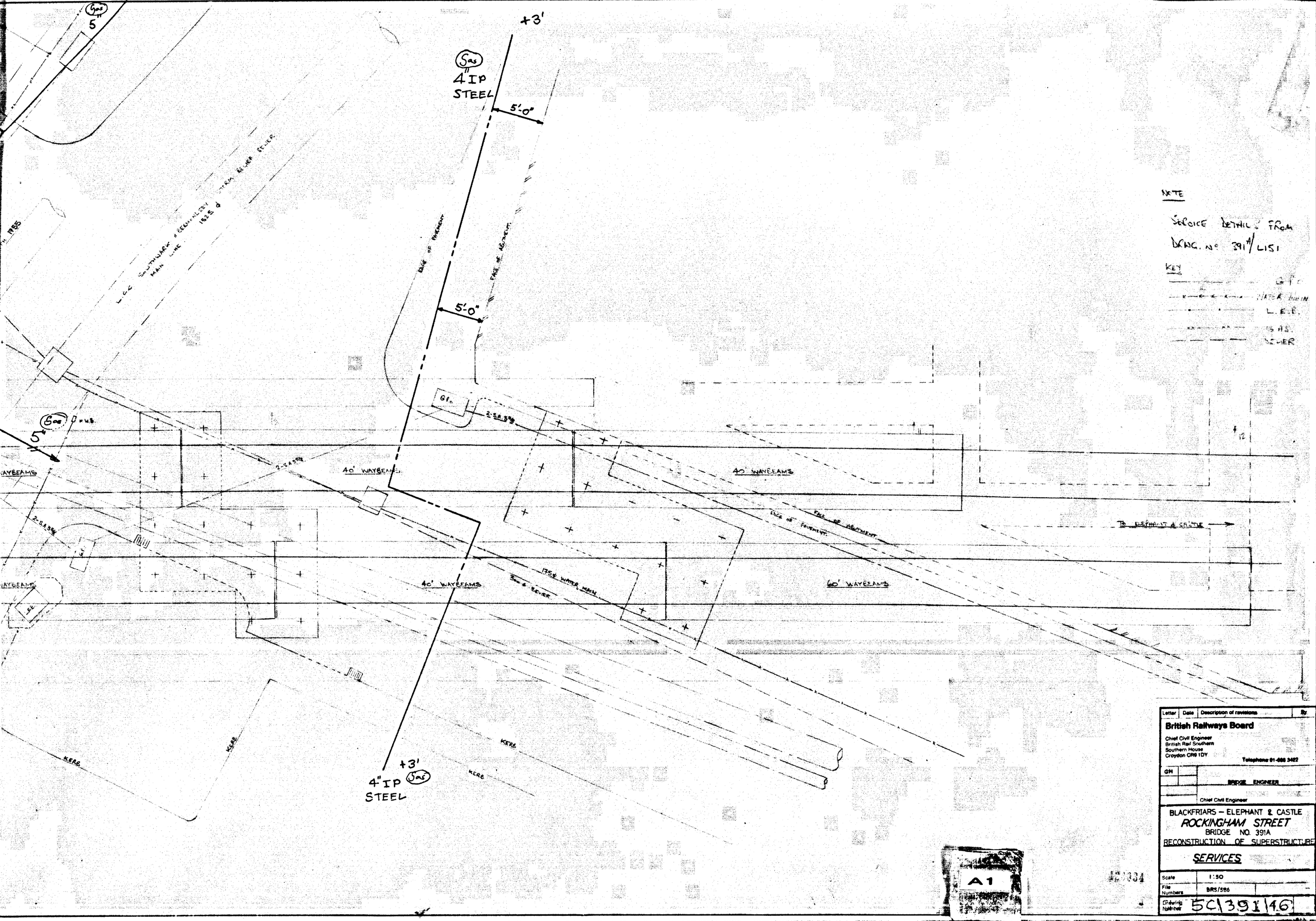
British Railways Board
Chief Civil Engineer's Department
British Rail Southern
Southern House
Croydon CR9 1DY
Telephone 01-686 3422

AEJA — BRIDGE ENGINEER
S.H. Brown — Chief Civil Engineer

BLACKFRIARS — ELEPHANT & CASTLE
ROCKINGHAM STREET
BRIDGE NO 391A
RECONSTRUCTION OF SUPERSTRUCTURE
WATERPROOFING AND DRAINAGE DETAILS

Scale	1:50 1:10 1:5 1:2·5
File Numbers	BRS/586
Drawing Number	5C/391/37 A

B.R. 886/107



NOTE

SERVICE DETAILS FROM DRWG. No 391A/LIS1

KEY

GAS
WATER MAIN
L.E.B.
S.A.S.
SEWER

Letter	Date	Description of revisions	By

British Railways Board

Chief Civil Engineer
British Rail Southern
Southern House
Croydon CR9 1DY
Telephone 01-688 3422

GM

BRIDGE ENGINEER

Chief Civil Engineer

BLACKFRIARS – ELEPHANT & CASTLE

ROCKINGHAM STREET

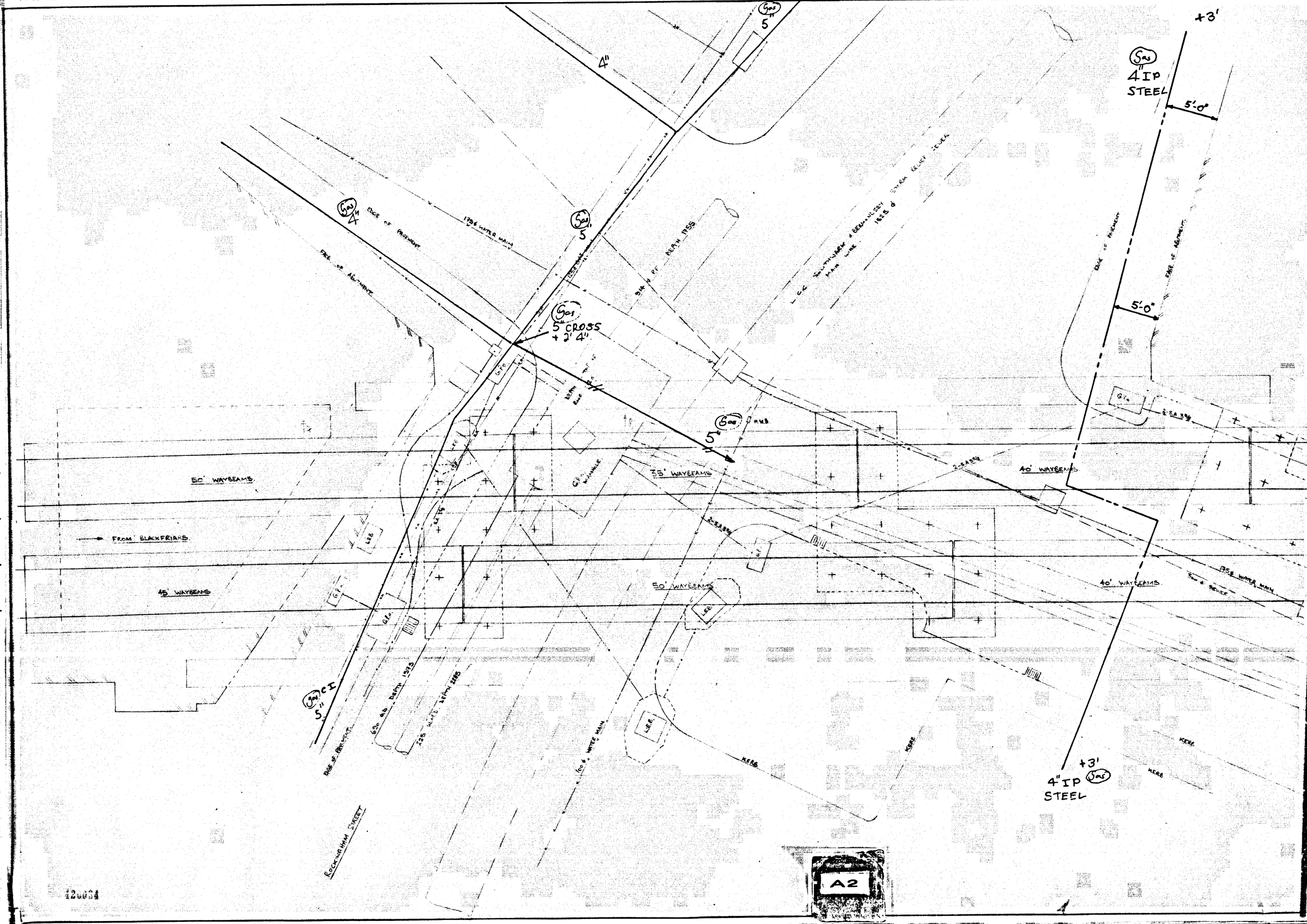
BRIDGE NO. 391A

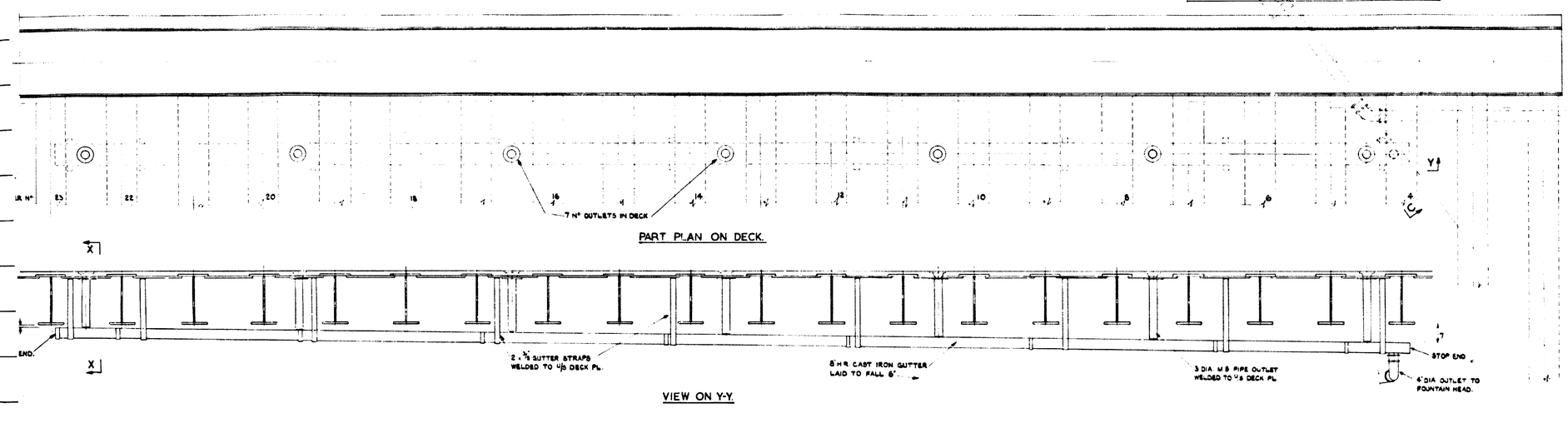
RECONSTRUCTION OF SUPERSTRUCTURE

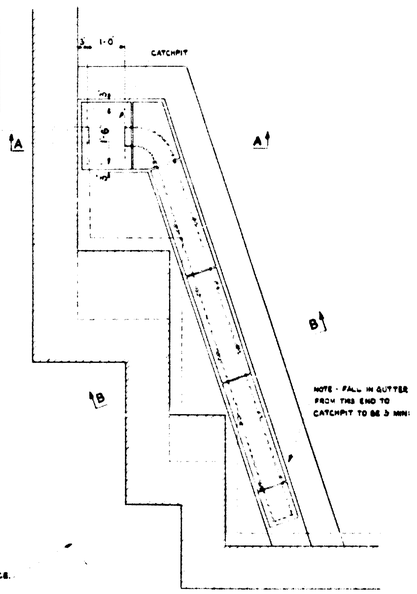
SERVICES

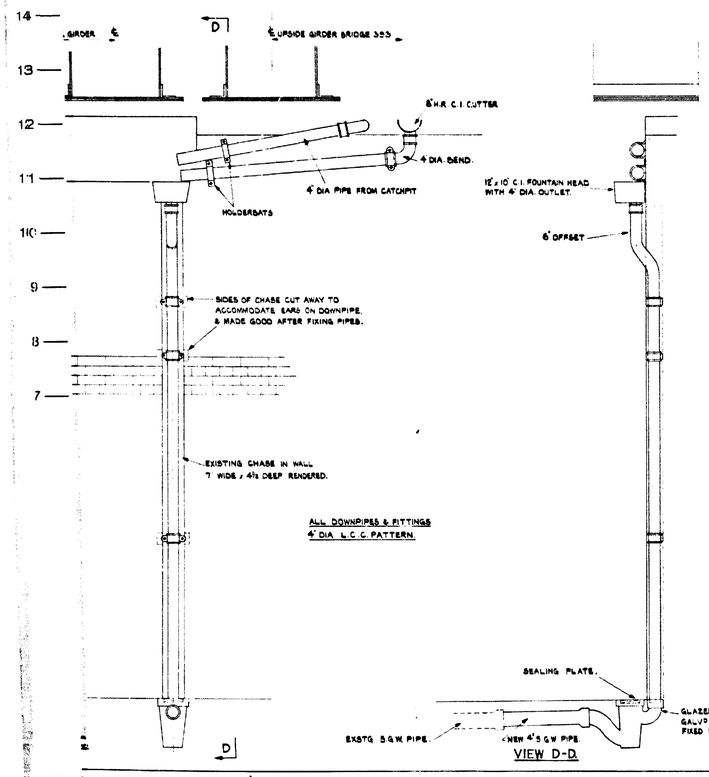
Scale	1:50
File Numbers	BRS/586
Drawing Number	5C/391/46

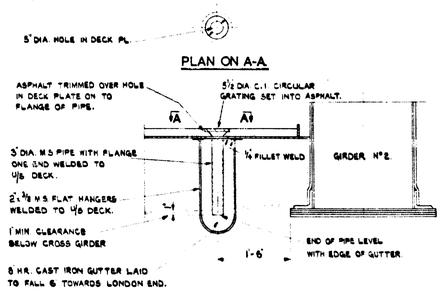
A1

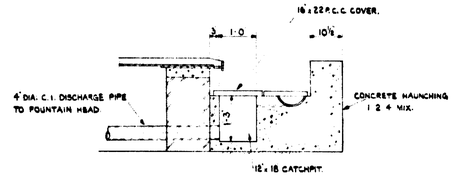

4"
5"
4"
5"
5" CROSS
+ 2' 4"
5"
+3'
4" IP
STEEL
5'-0"
5'-0"
EDGE OF PAVEMENT
EDGE OF ALIGNMENT
1956 WATER MAIN
9" & 12" DEATH 1956
L.C.C. SOUTHWARK & BERMONDSEY MAIN LINE STORM RELIEF SEWER 1925 d
50' WAYBEAMS
FROM BLACKFRIARS
45' WAYBEAMS
35' WAYBEAMS
50' WAYBEAMS
40' WAYBEAMS
40' WAYBEAMS
1956 WATER MAIN
5"
CI
6" & 4" DEATH 1975
225 W.M.S. DEATH 1885
100 & WATER MAIN
KERB
KERB
KERB
KERB
+3'
4" IP
STEEL
ROCKINGHAM STREET
A2

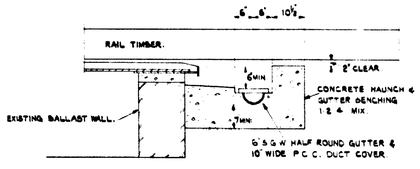








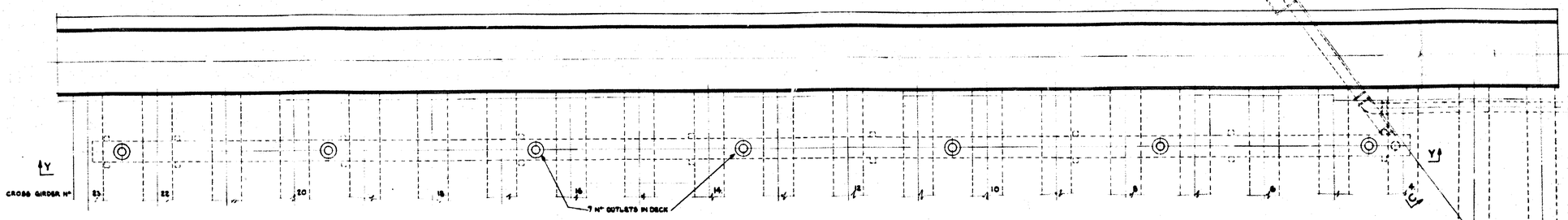




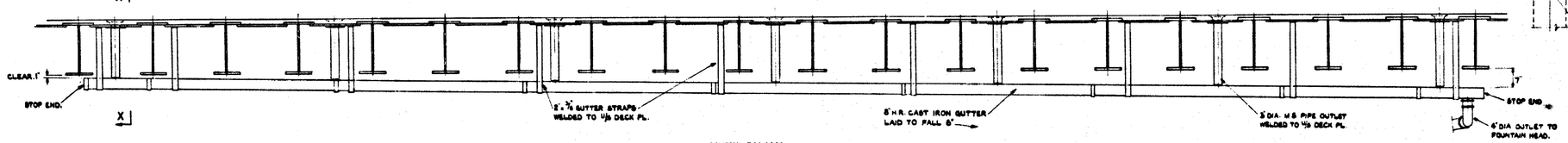
A1

AS CONSTRUCTED

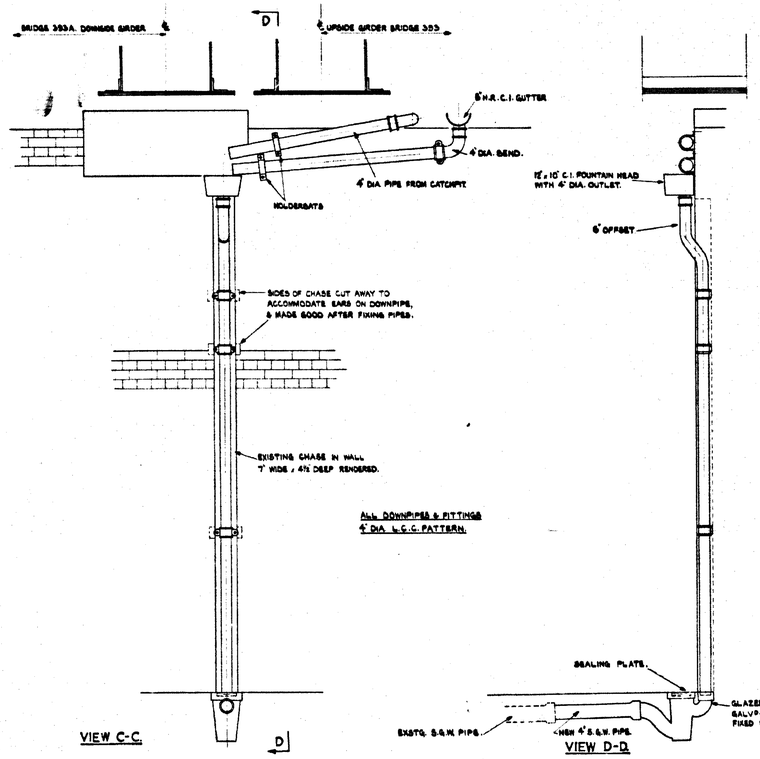
BRITISH RAILWAYS CHIEF CIVIL ENGINEER'S DEPT		SOUTHERN REGION ASSIST ENGINEER (BRIDGES)
REVISED	ADDRESS – DEEPDENE HOUSE, DORKING, SURREY	
	BRIDGE 393 (MAINS) NEWINGTON CAUSEWAY, BETWEEN HOLBORN & HERNE HILL. DETAILS OF DECK DRAINAGE AT LONDON E.C.	
SECT. CORRES. C.E.	APPROVED	SCALES – ¼ & 1" TO 1'-0"
TFJ	ASSIST. ENGINEER (BRIDGES)	SECT. No.
SHEET OF	CHIEF CIVIL ENGINEER	C.E. No. SC/393/21



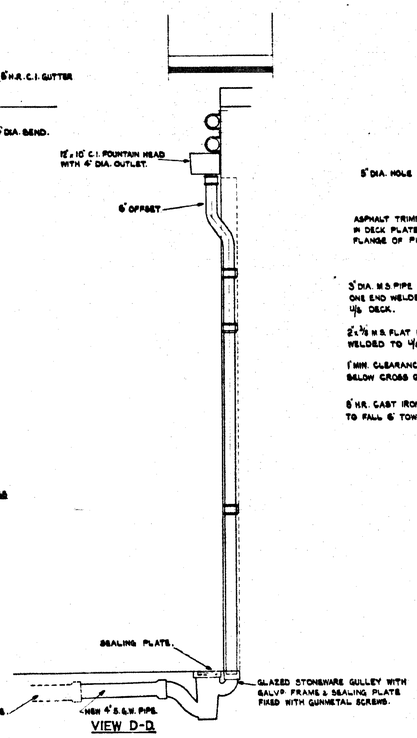
PART PLAN ON DECK.



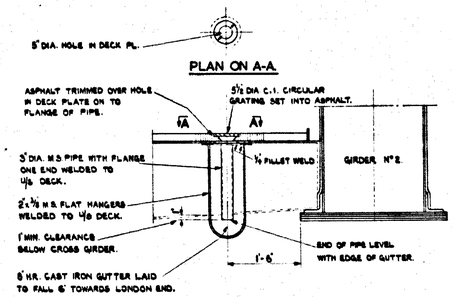
VIEW ON Y-Y



VIEW C-C.

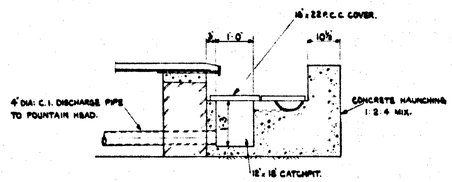


VIEW D-D.

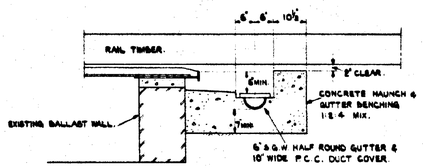


PLAN ON A-A.

TYPICAL CROSS SECTION X-X.



SECTION A-A.

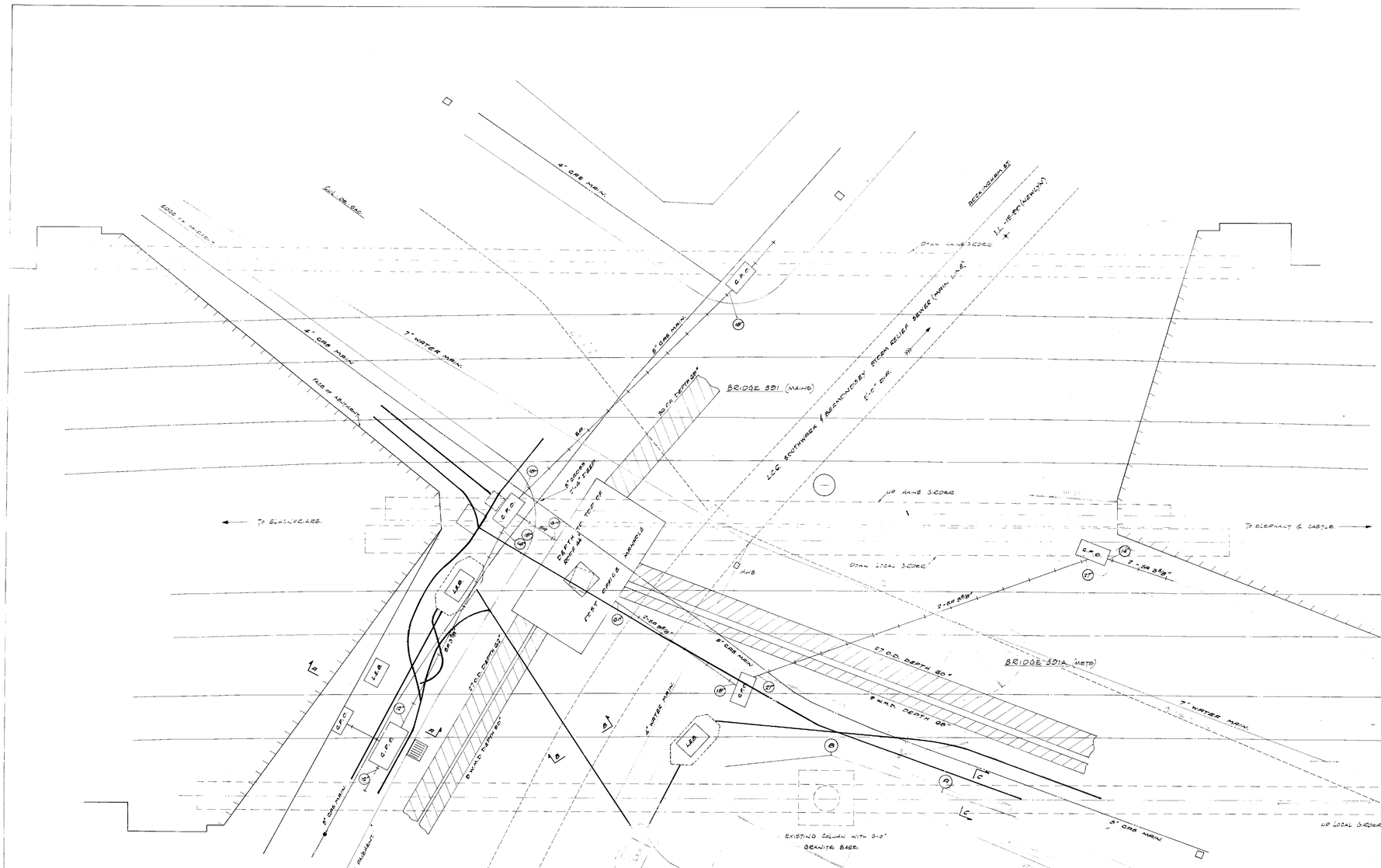


SECTION B-B.

ABUTMENT FACE.

A2

BRITI
CHIEF
REVIS
SECT.
TPI
SHEET

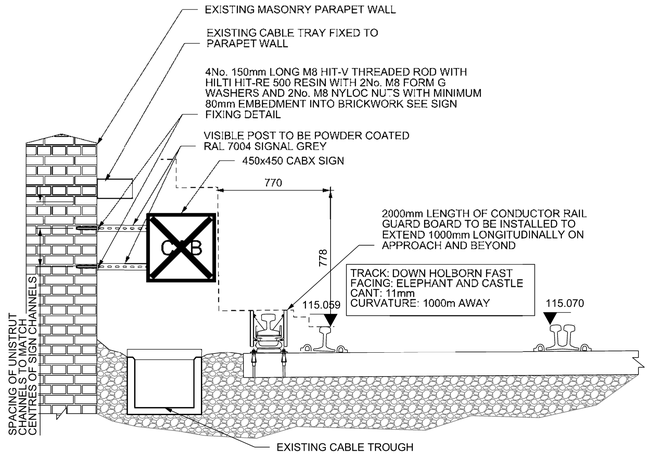


KEY TO SERVICES

L.E.B. SOUTHERN DISTRICT MAINS AND DUCTS	
SOUTH-EASTERN GAS BOARD. 4" AND 5" MAINS	
METROPOLITAN WATER BOARD. WATER MAINS	
G.P.O. SERVICES	
COUNCIL SEWERS.	AS SHOWN.

BRITISH RAILWAYS CIVIL ENGINEERS DEPT.			SOUTHERN REGION BRIDGE ENGINEER
REVISED	ADDRESS:- SOUTHERN HOUSE, NORTHOLT		
	BETWEEN HOLBORN AND SERVICE TRACK STREET		
	BRIDGE No 301A (MAINS)		
DRFT CHECKED C.C.	APPROVED		SCALES. 1/4", 1/2" TO 1'-0".
			SECT No
	CHIEF CIVIL ENGINEER	CE No	SC/301/52
SHEET OF			

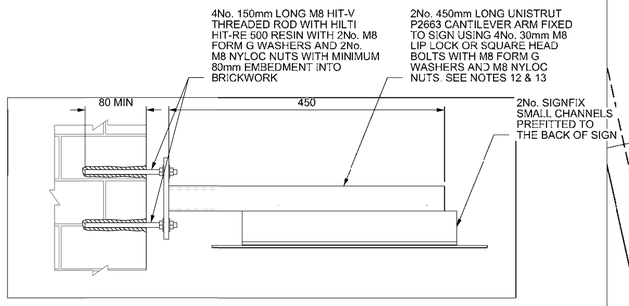
DO NOT SCALE



SECTION A-A - TVS9913 - FACING ELEPHANT AND CASTLE

SCALE 1:20

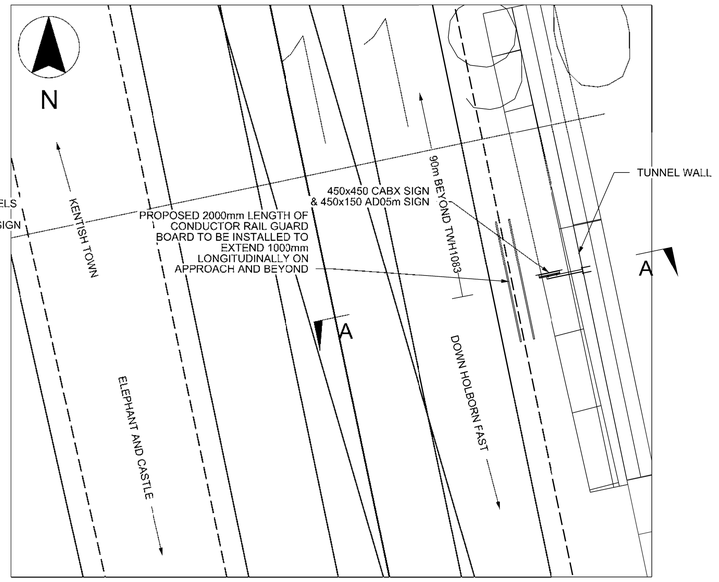
0 0.5 1 1.5 2
metres 1:20



PLAN VIEW - TVS9913 SIGN FIXING DETAIL

SCALE 1:5

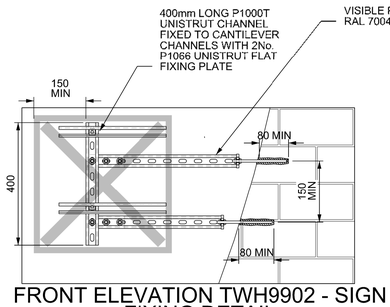
0 0.1 0.2 0.3 0.4 0.5
metres 1:5



LOCATION PLAN - TVS9913

SCALE 1:50

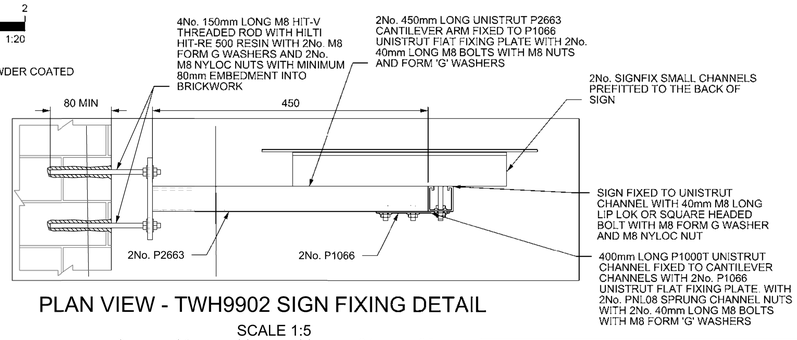
0 1 2 3 4 5
metres 1:50



FRONT ELEVATION TWH9902 - SIGN FIXING DETAIL

SCALE 1:10

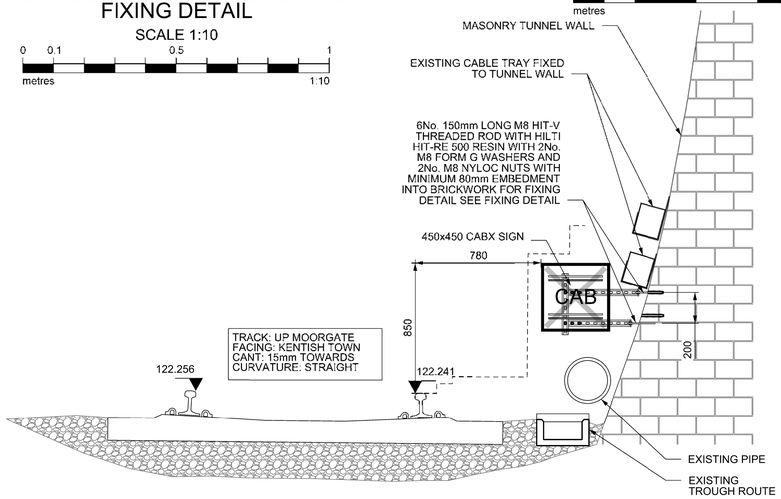
0 0.1 0.5 1
metres 1:10



PLAN VIEW - TWH9902 SIGN FIXING DETAIL

SCALE 1:5

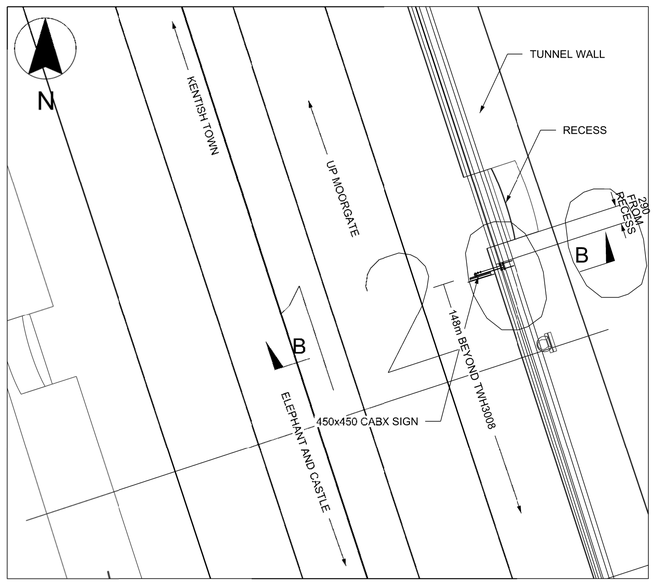
0 0.1 0.2 0.3 0.4 0.5
metres 1:5



SECTION B-B - THW9902 - FACING KENTISH TOWN

SCALE 1:20

0 0.5 1 1.5 2
metres 1:20



LOCATION PLAN - TWH9902

SCALE 1:50

0 1 2 3 4 5
metres 1:50

PROJECT NAME:	N421 THAMESLINK PROGRAMME KEY OUTPUT 2
SCHEME TITLE:	SIGNAGE
SUBJECT:	HCI SIGNAGE
LOCATION OR LOCAL NAME:	KENTISH TOWN TO ELEPHANT AND CASTLE, LONDON

CARRS & ELLIPSE ASSET LONGITUDINAL POSITION ALONG THE RAILWAY INFRASTRUCTURE:

ASSET NO. OR REF	ELR:	UNIFIED SCHEME CHAINAGE (METRES)	MILES	YARDS	OS GRID REF:
TVS9913.B	HHH	11902	0	1573	TQ 318 799
TWH9902.B	MCL	1203	2	1234	TQ 320 795

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NOTES

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. LAYOUT DESIGN IS BASED ON THE FOLLOWING MODEL(S): N423-ABA-MOD-SU-000005
4. TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS AND DRAWINGS:
   - N421-BBR-FRM-CV-000393
   - N421-BBR-SPE-CV-000087
   - N421-BBR-RSA-CV-000205
   - N421-BBR-CAL-CV-330294
   - N421-BBR-DRG-CV-140101

   SIGHTING FORMS:-
   TVS9913 VERSION B
   TWH9904 VERSION B
5. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH NETWORK RAIL COMPANY & RAILWAY COMPANY GROUP STANDARDS PARTICULARLY:
   - NR/L3/CIV/140 'MODEL CLAUSES FOR CIVIL ENGINEERING WORKS'
   - GI/RT/5212 REQUIREMENTS FOR DEFINING AND MAINTAINING CLEARANCES
   - GI/RT/7033 'LINESIDE OPERATIONAL SAFETY SIGNS'

   SERVICES

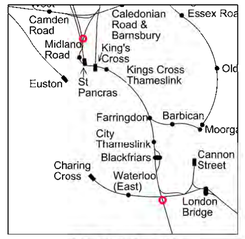
6. THE CONTRACTOR MUST UNDERTAKE A SERVICES SEARCH IN THE VICINITY OF THE PROPOSED WORKS BOTH VISUALLY & USING NETWORK RAIL APPROVAL CAT EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, UPHOLDING AND PROTECTING ALL SERVICES AFFECTED BY THE WORKS.
7. BURIED SERVICES MODEL N421-PES-MOD-UT-000010 HAS BEEN REVIEWED. NO BURIED SERVICES WERE IDENTIFIED IN THE VICINITY OF THE PROPOSED SIGNS.
8. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH NETWORK RAIL PROCEDURE NR/L1/AMG/1010, NR/L2/AMG/1020 & NR/L2/AMG/1030.

   SIGNS

9. NEW SIGNS TO HAVE 2No HORIZONTAL SIGNFIX SMALL CHANNELS FITTED ON THE BACK UNLESS SPECIFIED OTHERWISE
10. SIGNS FITTED TO POST WITH 2No. 80x80mm SIGNFIX STANDARD RHS CLIPS AND M8, 35mm LONG LIPLOK OR SQUARE HEAD BOLTS AND M8 NYLOC NUTS.
11. SIGNS IN ACCORDANCE WITH GI/RT 4033 UNLESS SHOWN OTHERWISE

    UNISTRUT AND FIXINGS

12. ALL UNISTRUT SECTIONS AND PARTS TO BE HOT DIP GALVANISED MINIMUM THICKNESS OF 55 MICRONS TO BS EN 10326 2004 (COATING Z275) AND POWDER COATED TO COLOUR RAL 7005.
13. ALL SCREWS, NUTS AND WASHERS TO BE SPUN GALVANISED TO BS 7371 PART 6. FIXINGS TO BE GRADE 8.8.



KEY PLAN

NOT TO SCALE

KEY	COLOUR	USE
	BLACK	EXISTING OR UNCHANGED
	BLUE	MODIFIED OR TO BE REMOVED
	GREEN	REDUNDANT OR TO BE REMOVED
	RED	NEW, PROPOSED OR ADDITIONAL

Rev.	Date	Description of Revisions	Drawn	Ck'd	App
Z02	20/09/19	AS BUILT	GM	AC	MK

Status: AS BUILT

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Network Rail Offices
263E New Cross Road
London SE14 5UQ
Tel: 0208 196 9700
Balfour Beatty Rail

Client
Thameslink Programme
James Forbes House
27 Great Suffolk Street
London SE1 0NS
Tel: 0207 023 3559
NetworkRail

Project Title

THAMESLINK PROGRAMME
N421 - LB RAIL SYSTEMS INC ATO SIGNALLING RELATED CIVILS

Drawing Title

SIGNAGE FOR EUROPEAN TRAIN CONTROL SYSTEM (ETCS) ENABLING HIGH CAPACITY INFRASTRUCTURE
TVS9913 & TWH9902

Drawn By	Name G.McFadyen	Sig	Date	20/09/2019
Checked By	Name A.Cornish	Sig	Date	20/09/2019
Approved By	Name M.King	Sig	Date	20/09/2019
Scale	AS SHOWN	Sheet 1 of 1		
Map Grid	LSG	ELR HHH	UOM Metres mm	From VARIES To VARIES
Network Rail Drawing Number	N421-BBR-DRG-CV-141003			Rev Z02

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

KEY TO HEALTH AND SAFETY SYMBOLS

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK. NUMBERS CORRESPOND TO RISK REGISTER REFERENCES - SEE GENERAL NOTES DRAWING FOR DETAILS.

CONSTRUCTION

NONE - CONSTRUCTION COMPLETE

OPERATIONS, MAINTENANCE

THIRD RAIL

DISMANTLING/DEMOLITION (FUTURE)

THIRD RAIL

REFER TO GENERAL NOTES AND THE PRINCIPAL CONTRACTOR FOR MORE INFORMATION ABOUT THE RISKS ASSOCIATED WITH THIS WORK.

DO NOT SCALE

DOOR	CLEAR STRUCTURAL OPENING	CLEAR WIDTH OPENING	JAMB WIDTH (**)	CLEAR HEIGHT (TO U/S OF LINTEL)
MAIN DOOR	875mm	735mm	2No. 70mm	2085mm
FIRE DOOR(*)	--	--	--	--

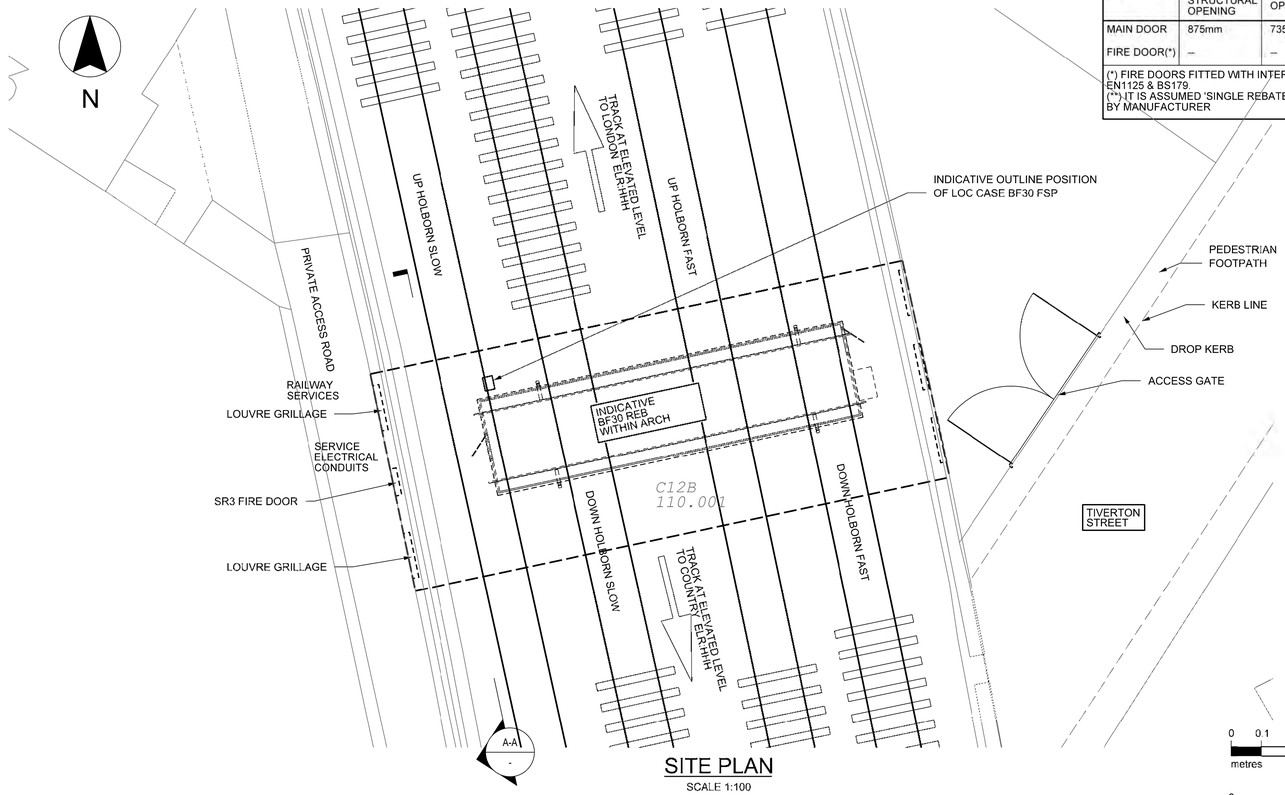
(*) FIRE DOORS FITTED WITH INTERNAL ANTI-PANIC BAR COMPLIANT WITH BS EN1125 & BS179.
(**) IT IS ASSUMED 'SINGLE REBATE (130mm)' FROM ASCOT, TO BE CONFIRMED BY MANUFACTURER

PROJECT NAME:	THAMESLINK PROGRAMME N421 - LB RAILSYSTEMS & SIGNALLING RELATED CIVIL WORKS
SCHEME TITLE:	ACCESS CONTROL PROJECT
SUBJECT:	GRIP 5-6 WORKS - ACCESS CONTROL PROJECT
LOCATION OR LOCAL NAME:	BF30 REB - ACCESS FROM TIVERTON STREET - ARCH 90

CARRS & ELLIPSE ASSET LONGITUDINAL POSITION ALONG THE RAILWAY INFRASTRUCTURE:

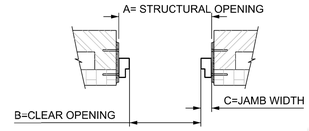
ASSET NO. OR REF	ELR:	UNIFIED SCHEME CHAINAGE (METRES)	MILES	YARDS	OS GRID REF:
BF30 REB	HHH	12696	1	682	TQ 32091 79289

SUMMARY OF THE WORKS	QUANTITY
SR3 DOOR	1
SR3 GRILLAGE	1



SITE PLAN

SCALE 1:100



DOOR SCHEDULE DIAGRAM

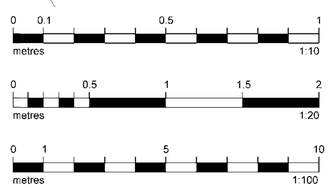
N.T.S.

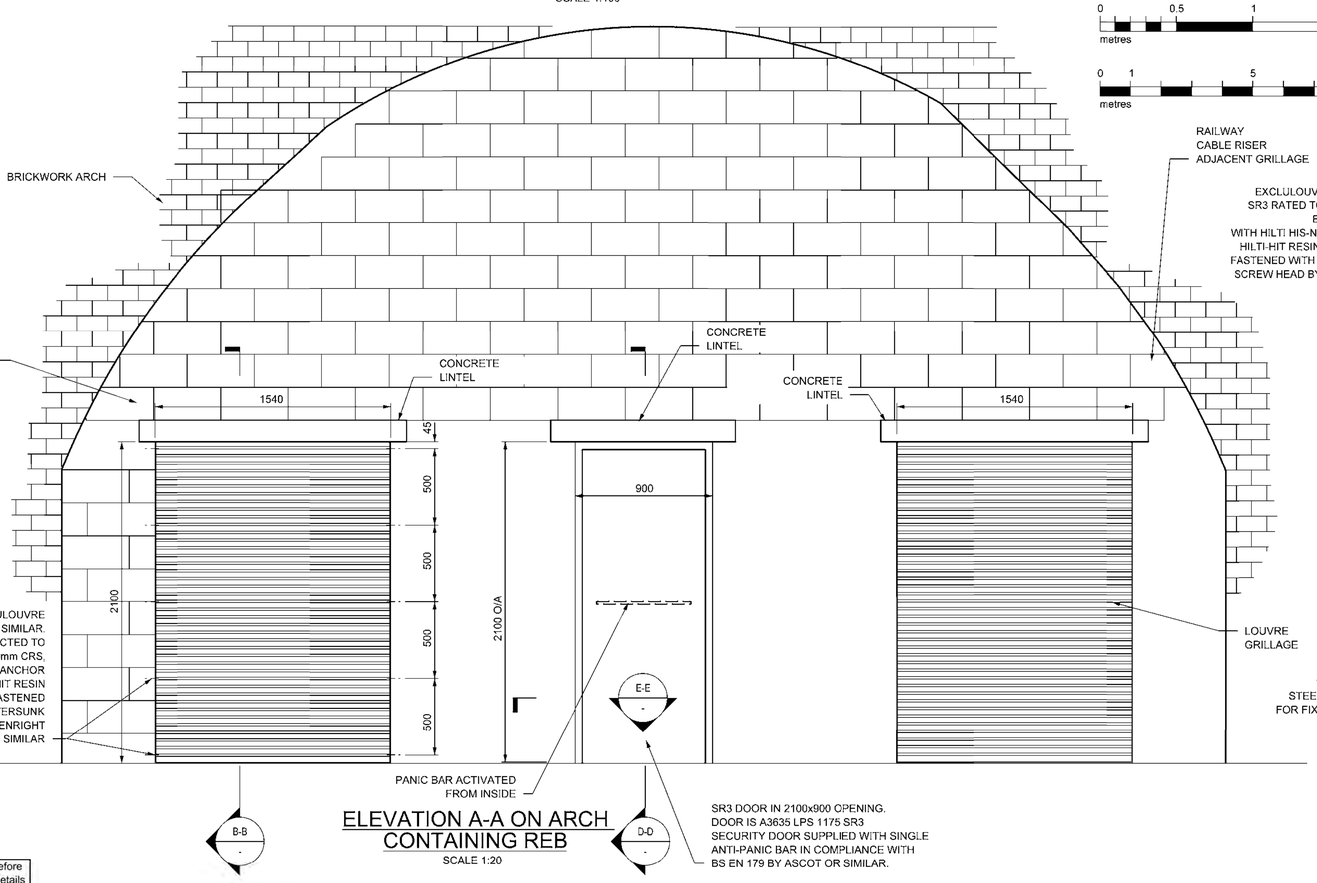
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK. NUMBERS CORRESPOND TO RISK REGISTER REFERENCES - SEE N421-BBR-RSA-CV-000555 DRAWING FOR DETAILS.
CONSTRUCTION
1 SERVICES, CABLES, RAILWAY RISERS, ELECTRICAL CONDUITS/DUCTS, CABLE TRAYS AND TROUGHS ARE PRESENT
2 WORK IN THE PROXIMITY OF PRIVATE ACCESS ROAD
3 FERROSCAN SURVEY TO BE DONE IF PRIOR TO DRILLING TO AVOID CLASHING WITH REBAR.
OPERATIONS, MAINTENANCE
WORKING IN CLOSE PROXIMITY TO LIVE ROAD
DISMANTLING/DEMOLITION (FUTURE)
WORKING IN CLOSE PROXIMITY TO LIVE ROAD
REFER TO GENERAL NOTES AND THE PRINCIPAL CONTRACTOR FOR MORE INFORMATION ABOUT THE RISKS ASSOCIATED WITH THIS WORK.

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

KEY TO HEALTH AND SAFETY SYMBOLS

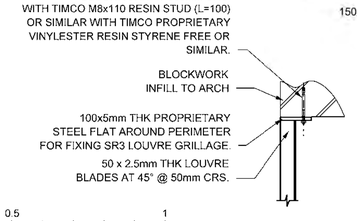
- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING





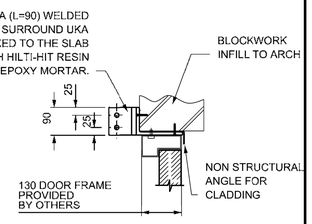
ELEVATION A-A ON ARCH CONTAINING REB

SCALE 1:20



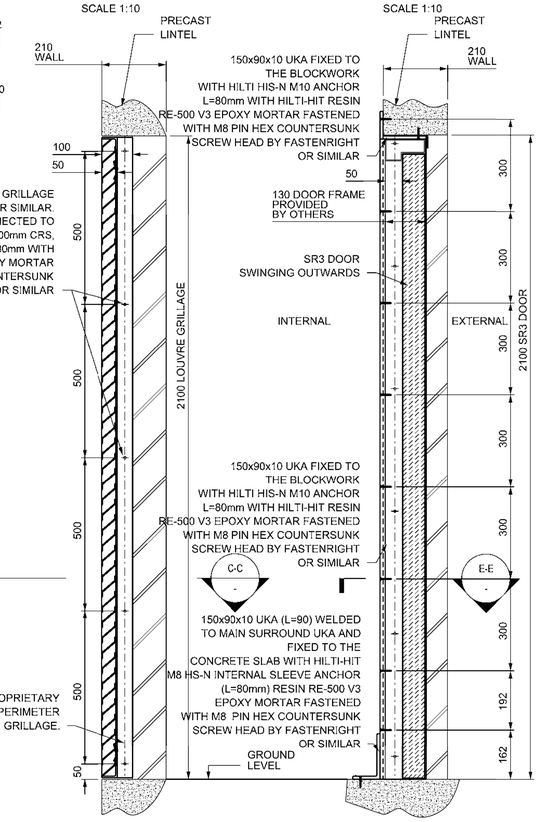
SECTION C-C

SCALE 1:10



SECTION E-E

SCALE 1:10



SECTION B-B

SCALE 1:10

SECTION D-D

SCALE 1:10

Consult the Principal Contractor before commencing any work, to obtain details of any residual design risks.

All changes to this CAD generated drawing MUST be made via the master CAD file.

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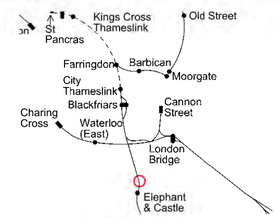

KEY PLAN

NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNO.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DOCUMENTS FORMING PART OF THE F002:
N421-BBR-DRG-CV-490101
N421-BBR-DRG-CV-490102
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THESE DOCUMENTS:
N421-BBR-REP-CV-000526
N421-BBR-REP-CV-000540
N421-BBR-RSA-CV-000555. (DESIGNERS RISK ASSESSMENT)
N421-BBR-SPE-CV-000421. (SPECIFICATION DOCUMENT)
5. ALL EARTHING AND BONDING DESIGN COMPLIANT WITH BS 7671:2008+A3:2015 THE IET WIRING REGULATIONS. BS 7430:2011+A1:2015, BS EN 50122-1:2011+A4:2017 AND BS EN 50122-2 2010 WHERE APPLICABLE AS CITED IN NR/SP/ELP/21032. WHERE NEW METALLIC AND METAL WORK INCLUDING CONDUCTIVE AND EXTRANEOUS PARTS IS INSTALLED WITHIN 3000MM OF METALLIC EQUIPMENT, CROSS BONDING REQUIRED.
6. ALL CONCRETE SURFACES HAVE F2/U2 FINISH.
7. THIS DRAWING IS BASED ON BBR ETS SURVEY UNDERTAKEN ON MONDAY 26/06/2017.
8. BURIED SERVICES INFORMATION AND ON SITE SERVICES CHECKS INCLUDING ALL WORKS ON SITE CARRIED OUT BY THE CONTRACTOR PRIOR TO EXCAVATION INCLUDING DRILLINGS IN ACCORDANCE WITH NR/L1/AMG/1010, NR/L2/AMG/1020 & NR/L2/AMG/1030.

Rev.	Date	Description of Revisions	Drawn	Ck'd	App
Z02	03/10/19	AS BUILT	RK	GB	TB

Status: AS BUILT

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Tel: 0208 195 9700
Balfour Beatty Rail

Client
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NetworkRail

Project Title
THAMESLINK PROGRAMME
N421 - LB RAIL SYSTEMS INC ATO
SIGNALLING RELATED CIVILS WORKS

Drawing Title
ACCESS CONTROL PROJECT
BF30 REB - KO1 CIVILS WORKS
GENERAL ARRANGEMENT

Drawn By	Name P.Stedford	Sig. PS	Date 03/10/2019		
Checked By	Name O.Eboreime	Sig. OE	Date 03/10/2019		
Approved By	Name Augusto Nasin	Sig. AN	Date 03/10/2019		
Scale AS SHOWN @ A1		Sheet 1 of 1			
Map Grid LSG	ELR HHH	UOM Metres mm	From 1mi 682yds	To 1mi 682yds	

Network Rail Drawing Number: N421-BBR-DRG-CV-490150 Rev Z02

Size: A1

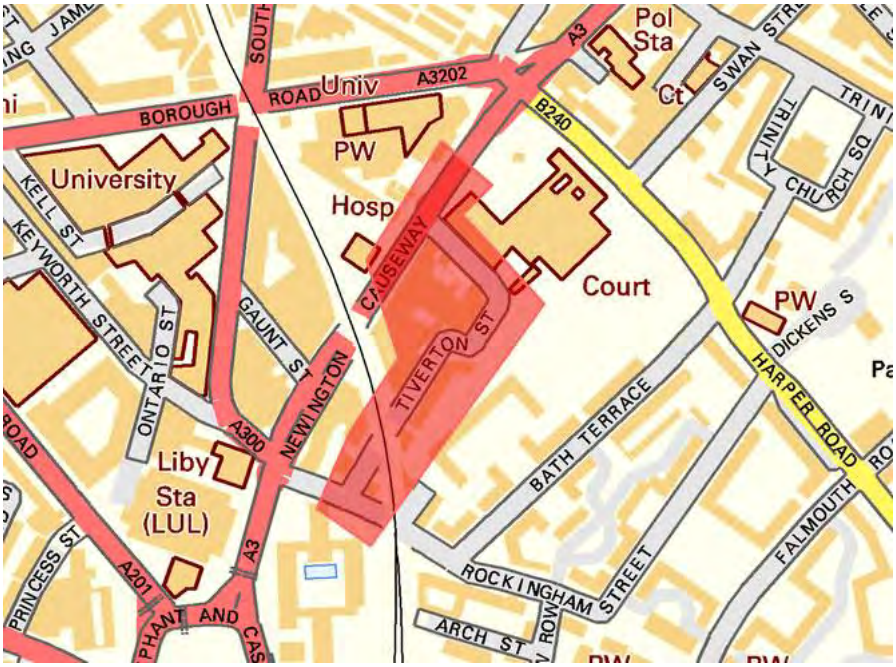
Joe Shawyer

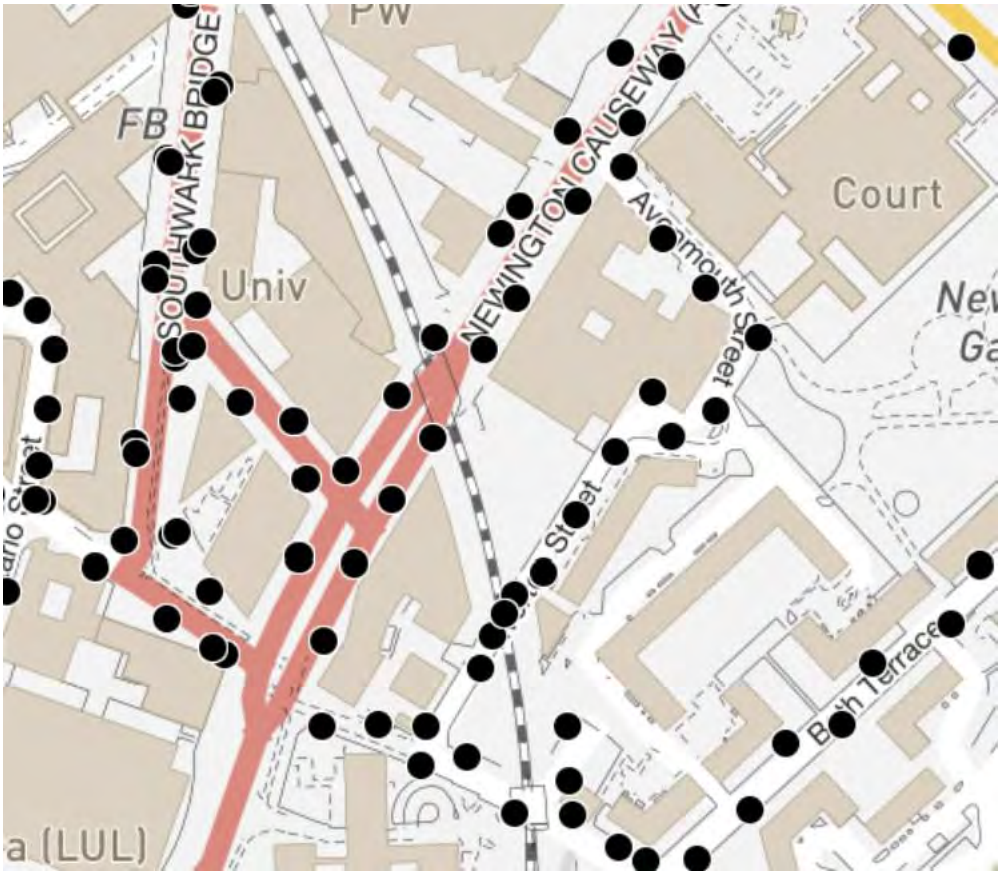
From: Compton, Tom <Tom.Compton@southwark.gov.uk>
Sent: 28 June 2021 11:47
To: Joe Shawyer
Cc: Livingstone, George
Subject: RE: URO7385.1JS

Hi Joe,

The map below shows the Highway street light assets (black dots) that fall under Southwark's remit. They are DNO fed.

Cables underground is information you'll be able to get from UKPN.





Kind regards,

Tom Compton
Apprentice Electrical Engineer
Asset Management Services
Traded Services – Environment and Social Regeneration

Email: tom.compton@southwark.gov.uk
Website: www.southwark.gov.uk

From: Livingstone, George <George.Livingstone@southwark.gov.uk>
Sent: Monday, June 28, 2021 11:30 AM
To: Compton, Tom <Tom.Compton@southwark.gov.uk>
Subject: FW: URO7385.1JS

FYA

From: Joe Shawyer <JShawyer@groundwise.com>
Sent: Monday, June 28, 2021 10:30 AM
To: Highways <Highways@southwark.gov.uk>; Livingstone, George <George.Livingstone@southwark.gov.uk>
Subject: URO7385.1JS

Request for plans & information showing the location of any council owned assets within the vicinity of the following site:

- **Street Lighting apparatus/columns**

Ref: URO7385.1JS
Site: Avonmouth House, 6 Avonmouth St, Southwark, London, SE1 6NX
Easting/Northing: 532125,179321
Requests:

For your reference, we have provided a site plan. Please use both the grid reference/postcode & site plan when responding to our requests.

We are doing research on the above site for a client and would be grateful if you could confirm whether the council holds any drawings/plans showing any cabling or apparatus in the immediate vicinity of this site. The reason we need the information is so our client can avoid digging through cables, or can investigate the potential for connecting with networks in the area. We have also contacted a number of utility companies for their information.

I enclose location plans of the site for your convenience and look forward to hearing from you. We shall of course be providing a copy of your response to our client as part of a wider report on the site including reports from other utility companies or providers.

Should you have any problems in identifying the location of the sites or should you require further clarification of the details requested, please do not hesitate to contact me.

I look forward to receiving details from you and thank you in advance for your assistance in this matter.

Kind regards,

Joe Shawyer
Production Researcher
Groundwise Searches Ltd

GROUNDWISE

jshawyer@groundwise.com | 01702 615566 | www.groundwise.com
Suite 6, Princess Caroline House, 1 High Street, Southend-on-Sea, SS1 1JE
Registered Office Address: Matrix House, 12-16 Lionel Road, Canvey Island, Essex, England, SS8 9DE

Connect with Groundwise on LinkedIn | Joe Shawyer on LinkedIn

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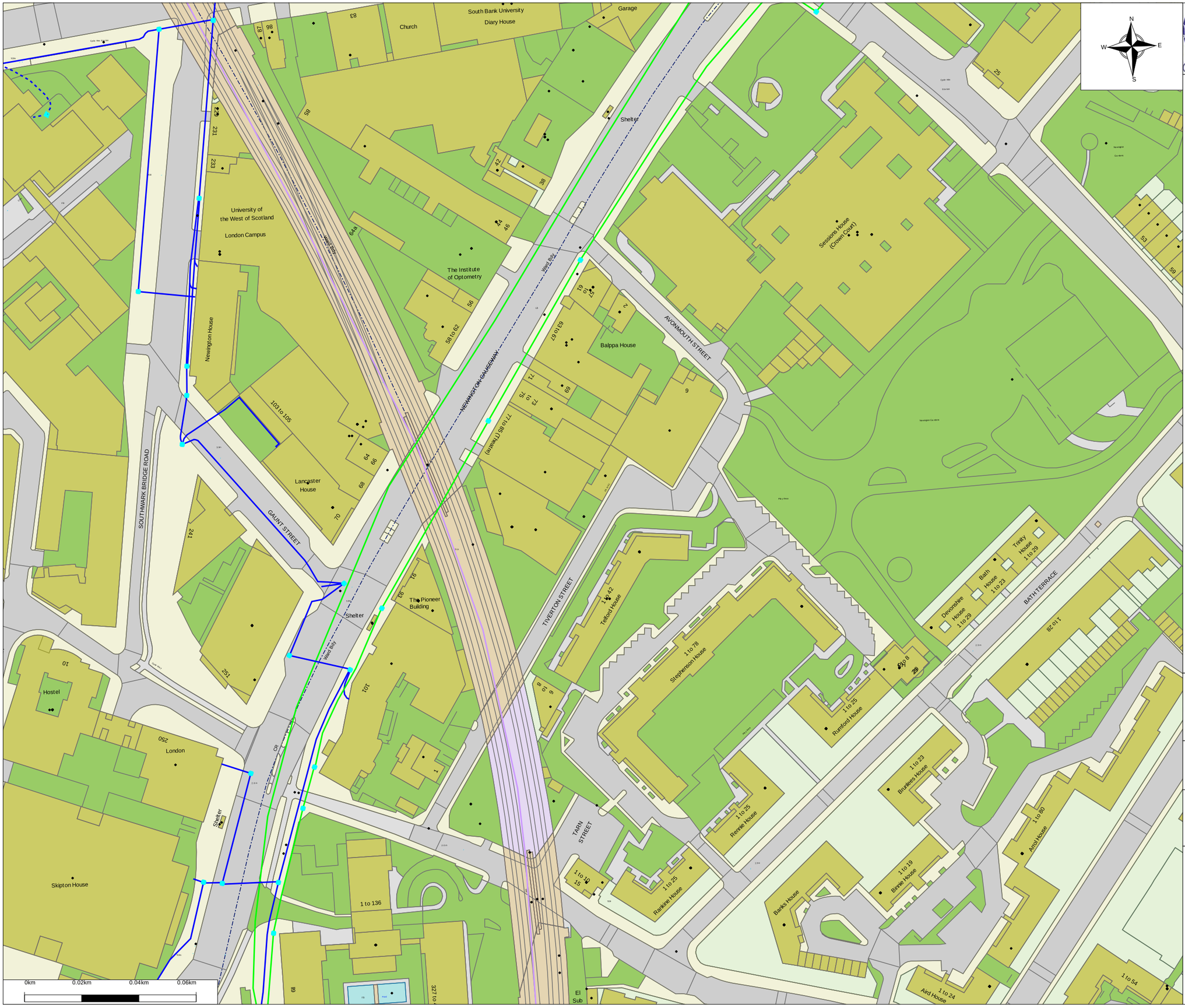

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Legend

- Access Chamber.Location Active Carriageway Chamber
- Access Chamber.Location Active Footway Chamber
- Access Chamber.Location Inactive Footway Chamber
- Underground Route.Route Act. - Owned
- Underground Route.Route Act. - Leased
- Underground Route.Route Act. - Third Party
- Underground Route.Route Inact. - Owned

vodafone

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

Plot Date : 02/07/2021	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

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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.

C2 General

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.

C2 General

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.

C2 General

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.

C2 General

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 **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.

C2 General

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.

C2 General

16. Appendix A – Street Works Team Contacts for Vodafone

Function	Address	Phone	Email Address
Streetworks Team	Vodafone, Street Works, Faraday House, Ground Floor, The Connection, Newbury, RG14 2FN	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, 1-2 Berkeley Square, 99 Berkeley Street Glasgow G3 7HR	0333 304 1104	claims@vodafone.com
Diversionary Works C2/C3	Atkins Global, PO Box 290, 500 Aztec West, Almondsbury, Bristol, BS32 4RZ.	01454 662881	osm.enquiries@atkinsglobal.com
Diversionary Works C4 / Escalations Networks Manager	Vodafone, Diversionary Works, 1-2 Berkeley Square, 99 Berkeley Street Glasgow G3 7HR	0141 303 2855	c3requests@vodafone.com
Emergencies 24 Hour – Defects & Faults	n/a	0333 304 0762	n/a
Vodafone Plant Enquiries includes: Cable & Wireless; Mercury Comms; Thus plc; Scottish Telecoms; Your Comms; Norweb Comms; Energis	Atkins Global PO Box 290 500 Aztec West, Almondsbury, Bristol, BS32 4RZ	01454 662881	osm.enquiries@atkinsglobal.com

C2 General

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

[redacted]

Cable & Wireless became Cable & Wireless Worldwide in 2010

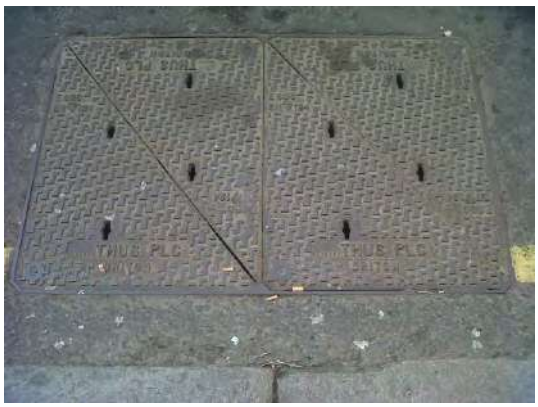
C2 General

Mercury Communications – changed its name to Cable & Wireless in 1996

Energis – was acquired by Cable Wireless in 2005

C2 General

Thus plc was acquired by Cable & Wireless in 2008



Scottish Telecom

Scottish Telecom demerged from its parent company Scottish Power to become Thus plc in 2002

C2 General

your communications

Your Communications was integrated into Thus plc in 2006

NORWEB COMMS

Norweb Communications became Your Communications in 2000

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:

C2 General

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

Vodafone

Cable & Wireless

Mercury Communications

Energis

Thus plc

Your Communications

Norweb Communications

Scottish Telecom

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

18. About this Document

Content Owner
Chris Nesbitt

Changes since last version
Reformatted using the current Vodafone template to include updated Contact Details .

End of Document

C2 General

Joe Shawyer

From: Harshita K S <Harshitha.KS@atkinsglobal.com>
Sent: 02 July 2021 14:25
To: Joe Shawyer
Subject: RE: URO7385.1JS - Avonmouth House, 6 Avonmouth St, Southwark, London, SE1 6NX
Attachments: Avonmouth.pdf; Vodafone External Apparatus Special Requirements v3.pdf

Please 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.

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.

If you require a quote for new development, commercial site connections - please email your requirements and associated plans to c3requests@vodafone.com and a budget estimate will be returned, within 10 working days of receipt.

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

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.

ATKINS working on behalf of Vodafone: Fixed

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: Joe Shawyer <JShawyer@groundwise.com>
Sent: 28 June 2021 15:00
To: National Plant Enquiries <OSM.enquiries@atkinsglobal.com>; plantenquiries@instalcom.co.uk; osp-team@uk.verizonbusiness.com; LULHVpowerassets@tfl.gov.uk; locationenquiries@tube.tfl.gov.uk; plantenquiries@tfl.gov.uk; plantenquiries@catelecomuk.com; NRSWA@bskyb.com; OPBuriedServicesEnquiries@networkrail.co.uk; plantenquiries@trafficmaster.co.uk; assetrecords@utilityassets.co.uk; Katie.Bowdich100@mod.gov.uk; mbnl.plant.enquiries@turntown.com; enquiries@eclipsepower.co.uk
Subject: URO7385.1JS - Avonmouth House, 6 Avonmouth St, Southwark, London, SE1 6NX

Ref: URO7385.1JS
Site: Avonmouth House, 6 Avonmouth St, Southwark, London, SE1 6NX
Easting/Northing: 532125,179321
Requests:

For your reference, we have provided a site plan. Please use both the grid reference/postcode & site plan when responding to our requests.

We are doing research on the above site for a client and would be grateful if you could confirm whether the above operators have any cabling or apparatus in the immediate vicinity. Should there be anything detected in the vicinity plus 50 meters around the site, I would appreciate a plan showing the location. The reason we need the information is so our client can avoid digging through your cables or can investigate the potential for connecting with your network.

I enclose location plans of the site for your convenience and look forward to hearing from you. We shall of course be providing a copy of your response to our client as part of a wider report on the site including reports from other utility companies or providers.

Should you have any problems in identifying the location of the sites or should you require further clarification of the details requested, please do not hesitate to contact me.

I look forward to receiving details from you and thank you in advance for your assistance in this matter.

Kind regards,

Joe Shawyer
Production Researcher
Groundwise Searches Ltd

GROUNDWISE

jshawyer@groundwise.com | 01702 615566 | www.groundwise.com
Suite 6, Princess Caroline House, 1 High Street, Southend-on-Sea, SS1 1JE
Registered Office Address: Matrix House, 12-16 Lionel Road, Canvey Island, Essex, England, SS8 9DE

Connect with Groundwise on LinkedIn | Joe Shawyer on LinkedIn

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