PROPOSED EQUIPMENT

1No. SECURE FLEXI ON ROOT FOUNDATION DIMENSIONS: 1200x570x1380 HIGH MATERIAL: STEEL COLOUR: BLACK

1No. BTS 3900A SIDE BY SIDE ON 200mm HIGH STEEL

PLINTHS ON ROOT FOUNDATION DIMENSIONS: 2No. 600x480x700 HIGH

MATERIAL: STEEL COLOUR: BLACK

1No. LINK/AC Mk4 CABINET ON ROOT FOUNDATION

DIMENSION: 600x500x1520 HIGH

MATERIAL: STEEL COLOUR: BLACK

15.0m HIGH HEL MEDIUM DUTY PHASE 5 SW TOWER ON

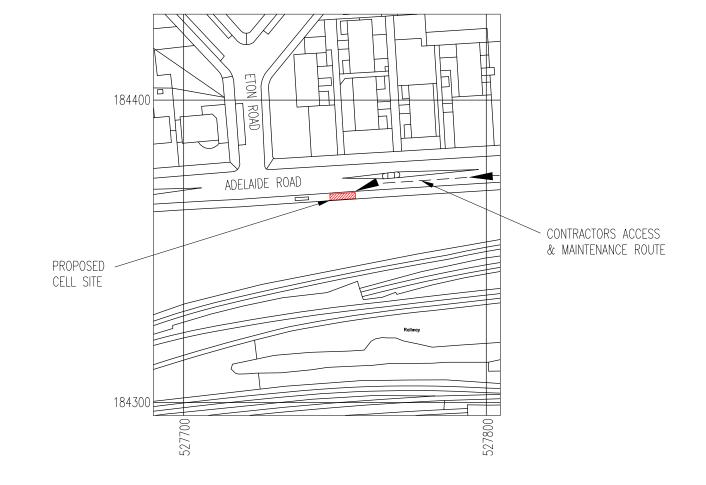
D6 ROOT FOUNDATION MATERIAL: STEEL COLOUR: BLACK

PROPOSED WORKS

NEW SITE BUILD.

-INSTALL 1No. BTS 3900A 2G/4G & 1No. 3900A RFC CABINETS ON A NEW ROOT FOUNDATION & CONNECT TO TRANSMISSION & PROPOSED MK4 LINK AC DB WITH 1No. 40A MCB -INSTALL 1No. SECURE FLEXI CABINET ON NEW ROOT FOUNDATION & CONNECT TO TRANSMISSION AND PROPOSED MK4 LINK AC DB WITH 1No. 32A MCB -INSTALL PROPOSED MK4 LINK AC CABINET ON NEW ROOT FOUNDATION C/W IDU & 100A INCOMING REC SUPPLY. -INSTALL PROPOSED 15.0m HIGH HEL MEDIUM DUTY PHASE 5

COLUMN ON A NEW D6 ROOT FOUNDATION



LOCATION PLAN

NGR E 527767 NGR N 184370

SCALE 1:1250 REPRODUCED FROM ORDNANCE SURVEY PROMAP DATA © CROWN COPYRIGHT 2016 LICENCE NUMBER 100022432

REFERENCE LEVEL FOR LIMITED EXPOSURE TO MEMBERS OF THE GENERAL PUBLIC

АЗ

DIRECTIONS:

FROM CAMDEN TOWN HEAD NORTH ON CAMDEN HIGH STREET & MERGE ONTO CHALK FARM ROAD. AFTER APPROX 500m TURN LEFT ONTO B509 ADELAIDE ROAD. CONTINUE FOR APPROX 400m AND SITE IS LOCATED ON FOOTPATH ON LEFT HAND SIDE.

С	CABINETS RELOCATED.	07.11.16	WW	SB
В	CONSTRUCTION ISSUE	06.10.16	CDH	SB
A1	ISSUED FOR APPROVAL	23.08.16	CDH	SB
No.	Revision	Date	Ву	ckd



Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address: ADELAIDE ROAD SW ADELAIDE ROAD HAMPSTEAD, LONDON, NW3 3PX

PROPOSED TELECOMMUNICATIONS STREETWORKS INSTALLATION SITE LOCATION

Purpose of Issue:

CONSTRUCTION

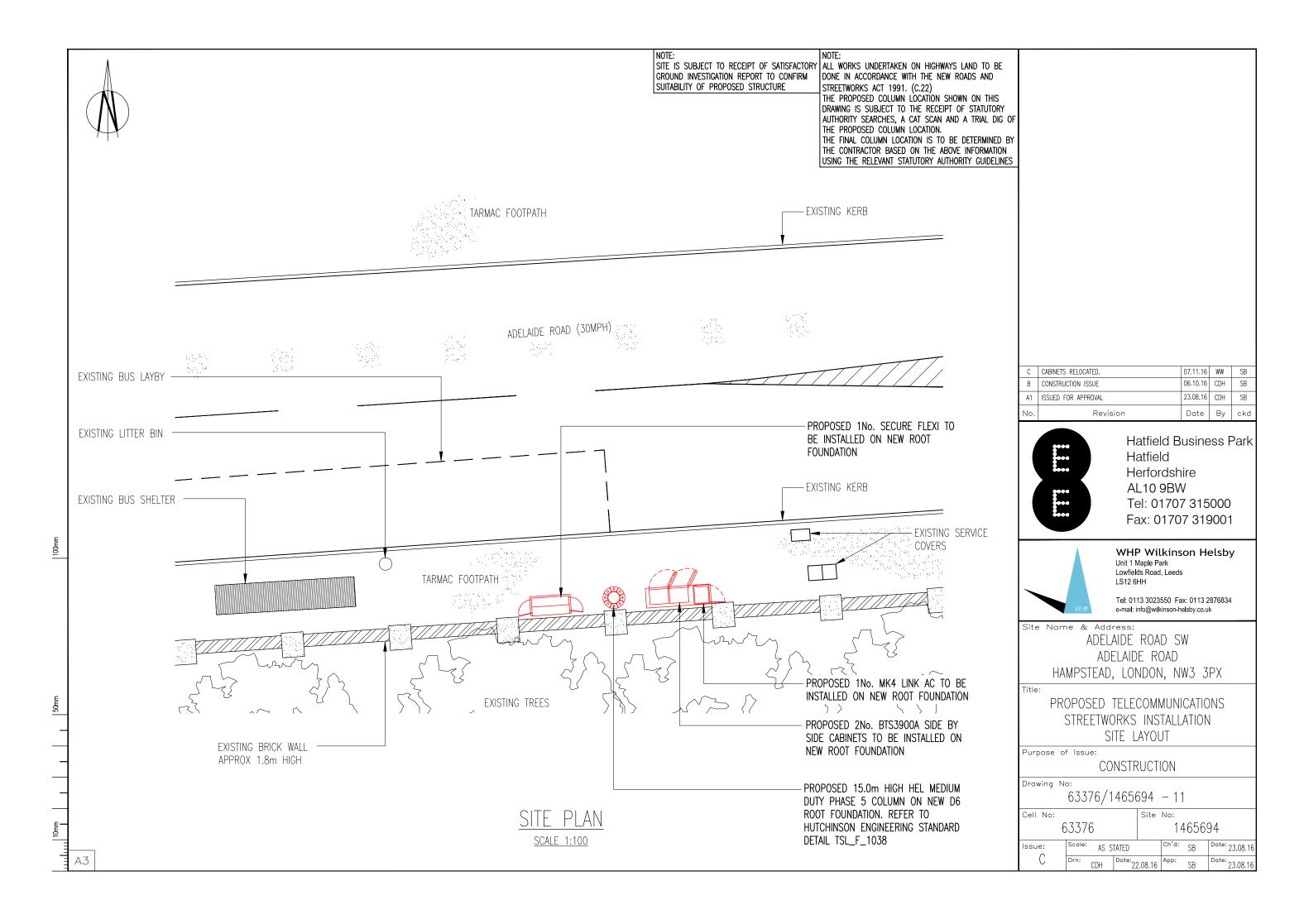
Drawing No:

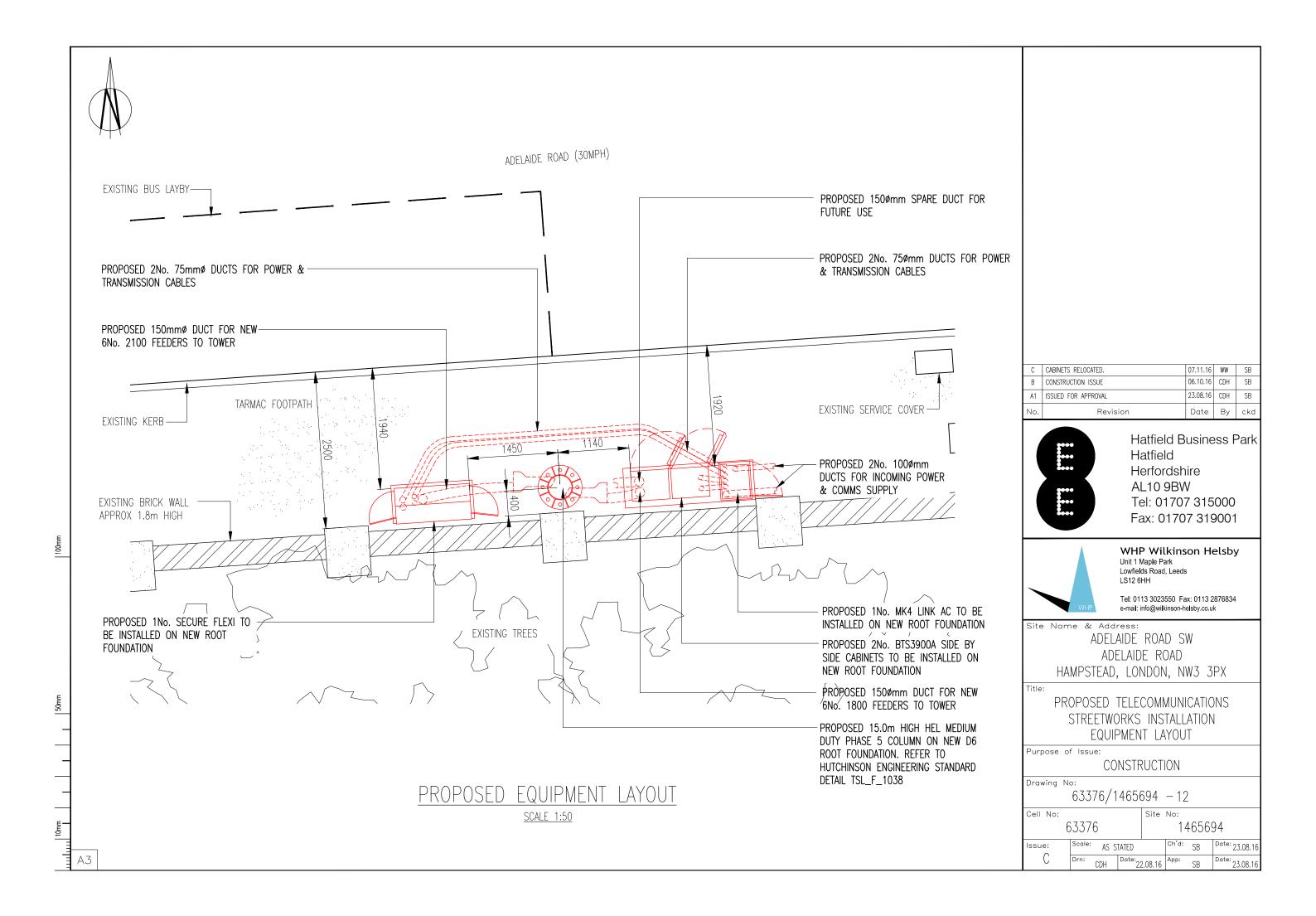
63376/1465694 - 10

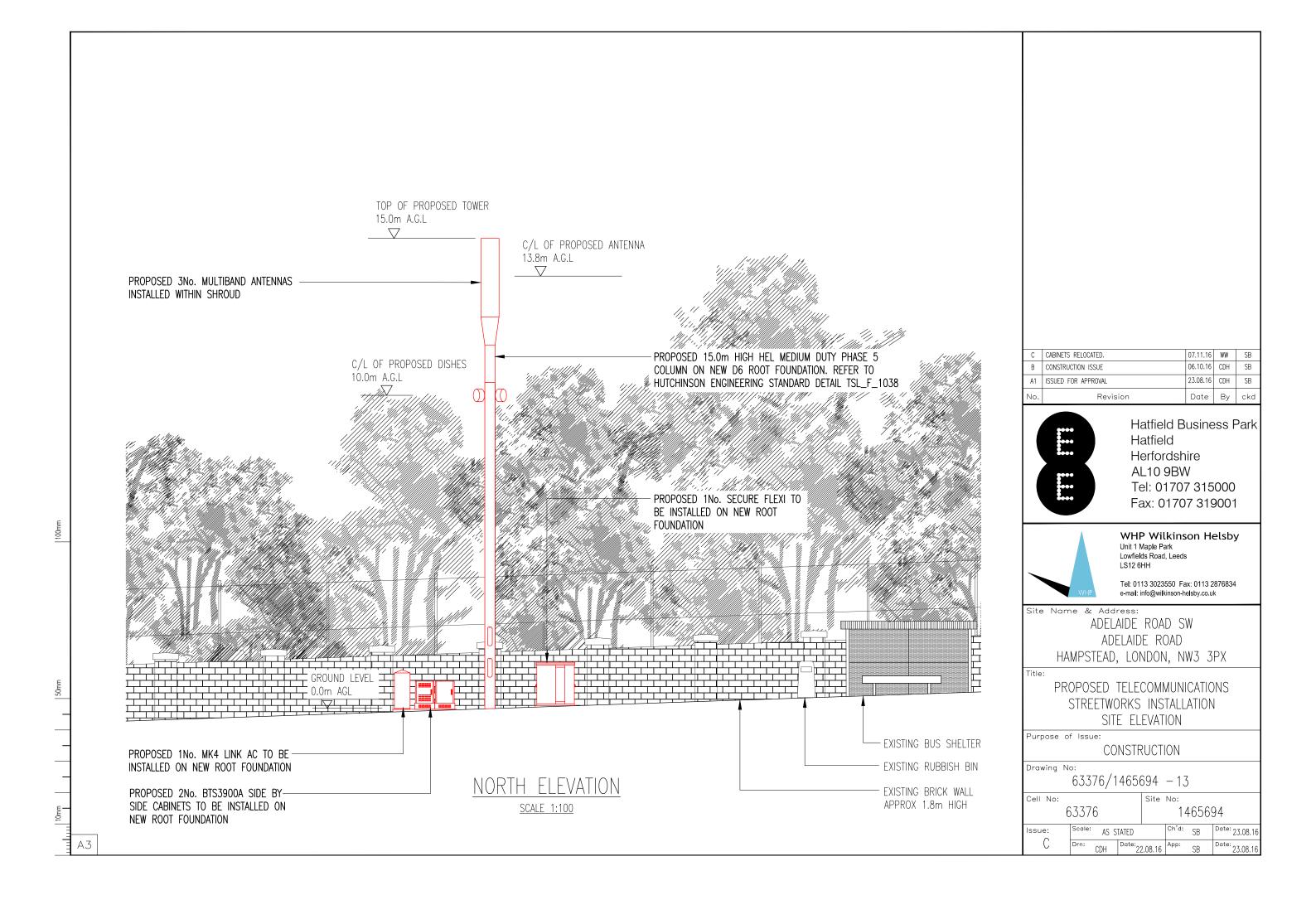
Cell No:			Site	No:		
6	3376			14	16569	94
Issue:	Scale:	AS STATED		Ch'd:	SB	Date: 23.0

Issu Date: 23.0<u>8.1</u>6 Date: 22.08.16 App: CDH

EXCLUSION ZONES CONFORM TO THE ICNIRP

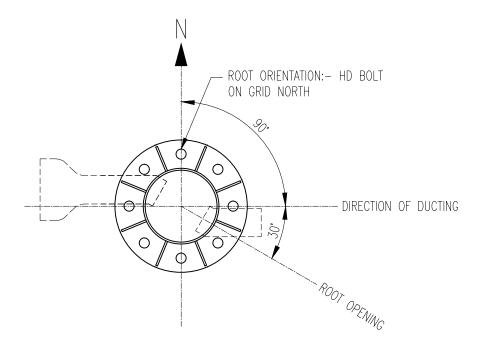






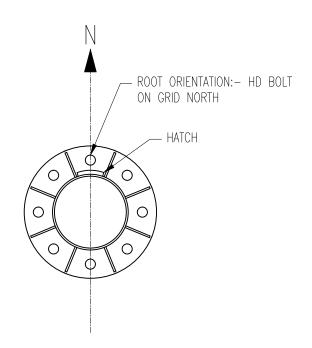
PROPOSED 2No. COMMSCOPE E15509P75 MHA'S TO BE INSTALLED FOR 2G/4G

PROPOSED 2No. RADIO DESIGN RD0448_02 MHA'S TO BE INSTALLED FOR 3G



D6 ROOT DUCT ORIENTATION

SCALE 1:20

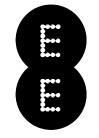


D6 ROOT HATCH ORIENTATION

SCALE 1:20

REFER TO HUTCHINSON ENGINEERING STANDARD DETAIL TSL_F_1038 FOR TOWER ROOT DETAILS

С	CABINETS RELOCATED.	07.11.16	WW	SB
В	CONSTRUCTION ISSUE	06.10.16	CDH	SB
A1	ISSUED FOR APPROVAL	23.08.16	CDH	SB
No.	Revision	Date	Ву	ckd



Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:

ADELAIDE ROAD SW

ADELAIDE ROAD

HAMPSTEAD, LONDON, NW3 3PX

Title:

PROPOSED TELECOMMUNICATIONS
STREETWORKS INSTALLATION
ANTENNA & TOWER ROOT LAYOUT

Purpose of Issue:

CONSTRUCTION

Drawing No:

Cell No:

63376/1465694 - 14

63376 1465694

Sue: Scale: AS STATED Ch'd: SB Date: 23.08.16

C Drn: CDH Date: 22.08.16 App: SB Date: 23.08.16

Site No:

100mm

10mm

А3

	ANTENNA LINE KEY																	
	ANTENNA TYPE, AZIMUTH, TILT AND PORTS						ANTENNA PORT ALLOCATION MHA REF		RET		OVERALL SYSTEM LOSS							
SECTOR ID	ANTENNA TYPE	ANTENNA C/L (m) AGL	ANTENNA LENGTH (m)	BEARING (*)	MECHANICAL TILT (*)	PORT FREQUENCY RANGE	OPERATING FREQUENCY	RFU/RRU	MHA NAME	RET CABLE LOCATION	RET NAME	LEN	JUMPER GTH (m) : TYPE	LEN	I FEEDER GTH (m) : TYPE	LEN	S TAIL GTH (m) TYPE	ESTIMATED TOTAL LOSS HWF (dB)
						LB	800	-	E15R02P11	-	E08P:010:r	2m	12-50	13	78-50	FI	JTURE DE	EPLOYMENT
1	HUAWEI ATR4518R4	13.80	2.0	10	_	UWB	2100	RFU	RD0448	-	E18P:E21P:010:yL	2m	12-50	13	78-50	2m	12-50	1.64
						UWB	1800	RFU	E15S09P75	HUAWEI 1800	E18P:010:yyR	2m	12-50	13	78-50	2m	12-50	1.88
						LB	800	-	E15R02P11	-	E08P:130:r	2m	12-50	13	78-50	FI	JTURE DE	EPLOYMENT
2	HUAWEI ATR4518R4	13.80	2.0	130	_	UWB	2100	RFU	RD0448	-	E18P:E21P:130:yL	2m	12-50	13	78-50	2m	12-50	1.64
						UWB	1800	RFU	E15S09P75	HUAWEI 1800	E18P:130:yyR	2m	12-50	13	78-50	2m	12-50	1.88
						LB	800	-	E15R02P11	-	E08P:250:r	2m	12-50	13	78-50	FI	JTURE DE	PLOYMENT
3	HUAWEI ATR4518R4	13.80	2.0	250	_	UWB	2100	RFU	RD0448	-	E18P:E21P:250:yL	2m	12-50	13	78-50	2m	12-50	1.64
						UWB	1800	RFU	E15S09P75	HUAWEI 1800	E18P:250:yyR	2m	12-50	13	78-50	2m	12-50	1.88

CABINET KEY

OPERATOR	STATUS	CABIINET / RACK TYPE	COLOUR	SIZE (WxDxH)	COMMENTS
EE	PROPOSED	1No. 3900A SIDE BY SIDE CABINET	BLACK	1200x650x900	NEW
EE	PROPOSED	1No. SECURE FLEXI	BLACK	1200x570x1380	NEW
EE	PROPOSED	1No. MK4 LINK A/C CABINET	BLACK	600x500x1520	NEW
EE	PROPOSED	HEL MD PHASE 5 SW TOWER	BLACK	15.00m HIGH	NEW

DISH KEY

DISH ID	D1 PL	D2 PL	
DISH SIZE	300	300	
HEIGHT m AGL	10.0	10.0	
POLE TAG REF	TBA	TBA	
BEARING *EGN	TBA	TBA	
SITE LINK	TBA	TBA	
SITE NAME	TBA	TBA	
TNE No.	TBA	TBA	
ML No.	TBA	TBA	
RADIO TYPE	TBA	TBA	
POLARITY	TBA	TBA	

Key to Dish Status

CO: Commissioned/Installed transmission dish
PL: Planned transmission dish with Landlords & Planning consent
Reserved: Approved transmission dish for future requirement
Proposed: New transmission dish awaiting Landlords & Planning consent
HCO: Replacement of transmission dish with Landlords & Planning consent

С	CABINETS RELOCATED.	07.11.16	WW	SB
В	CONSTRUCTION ISSUE	06.10.16	CDH	SB
A1	ISSUED FOR APPROVAL	23.08.16	CDH	SB
No.	Revision	Date	Ву	ckd



Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:

ADELAIDE ROAD SW ADELAIDE ROAD HAMPSTEAD, LONDON, NW3 3PX

Title:

PROPOSED TELECOMMUNICATIONS STREETWORKS INSTALLATION EQUIPMENT DETAILS

Purpose of Issue:

CONSTRUCTION

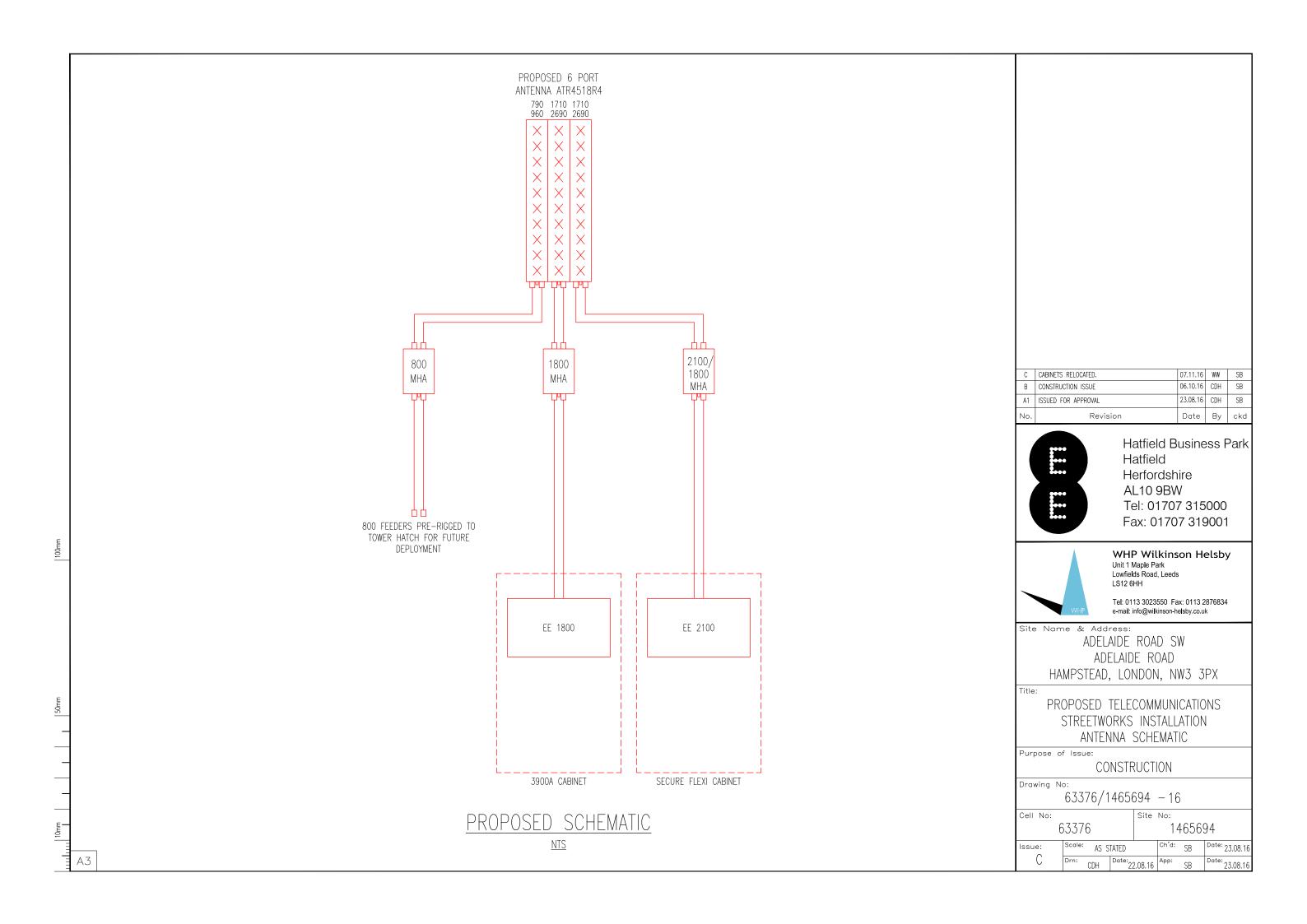
Drawing No:

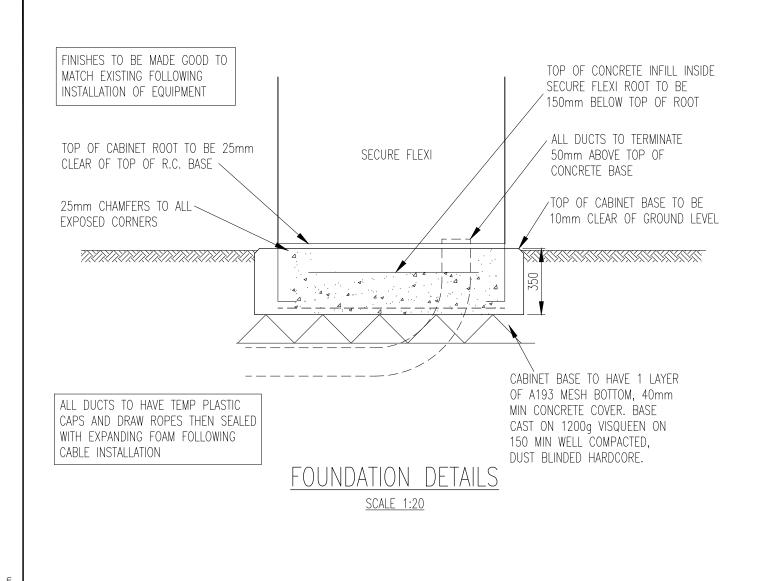
63376/1465694 - 15

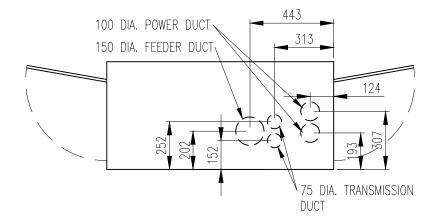
Cell No: 63376 Site No: 1465694

Ch'd: SB Date: 23.08.16 Scale: AS STATED CDH Date: 22.08.16 App: SB Date: 23.08.16

А3







DUCT SET OUT
SCALE 1:20

CONCRETE NOTES

- 1. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH BS:8110 PARTS 1&2 THE STRUCTURAL USE OF CONCRETE.
- 2. CONCRETE TO BE GRADE FND3
- 3. REINFORCEMENT TO BE PLACED IN ACCORDANCE WITH BS:8110.
- 4. CEMENT CONTENT NOT LESS THAN 330Kg/m, FREE WATER CEMENT RATIO NOT MORE THAN 0.50.
- 5. CONCRETE CUBES TO BE TAKEN, AND TESTED AT 7 & 28 DAYS TO OBTAIN REQUIRED CRUSHING STRENGTHS (ONE CUBE TO BE TAKEN AS SPARE CUBE)
- 6. NO REINFORCEMENT TO BE CUT DISPLACED OR OMITTED WITHOUT PRIOR WRITTEN AGREEMENT OF THE ENGINEER.
- 7. COVER TO REINFORCEMENT TO BE 50mm, UNLESS NOTED OTHERWISE.
- 8. IF THE EXCAVATION IS TO BE LEFT OPEN FOR MORE THAN 24 HOURS IT IS TO BE BLINDED USING C15 SULPHATE RESISTING CONCRETE.
- 9. ALL EXPOSED CONCRETE TO BE CHAMFERED 25x25mm
- 10. ALL EXCAVATIONS ARE TO BE INSPECTED BY A QUALIFIED ENGINEER PRIOR TO POURING CONCRETE
- 11. ALL DUCTS TO BE LAID WITH DRAW CORDS TO ENABLE CABLES TO BE PULLED THROUGH DUCTS
- 12. ALL DUCTS TO BE SEALED WITH EXPANDING FOAM AFTER CABLE INSTALLATION
- 13. WHERE POSSIBLE ALL DUCTS TO BE LAID WITH A MINIMUM BEND RADIUS OF 450mm
- 14. TELECOM AND POWER DUCTS TO BE KEPT SEPARATE

ALL NECESSARY CERTIFICATION TO BE PROVIDED BY THE CONTRACTOR AT THE END OF THE CONSTRUCTION PERIOD IN ACCORDANCE WITH THE DESIGN GUIDE INCLUDING, AS BUILT DRAWINGS AND PHOTO'S, 17TH EDITION, L/P CERT, DUCT CERT, RET AND ANT. DETAILS, RIGGING RESULTS, ETC.

THE CONTRACTOR IS TO PROVIDE PHOTOGRAPHIC EVIDENCE OF THE PARAGRAPH 18 NOTICE FOR THE HANDOVER DOCUMENTATION ON COMPLETION.

GENERAL NOTES

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT CONTRACT DOCUMENTATION, SPECIFICATIONS AND DRAWINGS
- 2. THIS DRAWING IS NOT TO BE SCALED, IF IN DOUBT ASK
- 3. ALL PROPRIETARY PRODUCTS TO BE USED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS
- 4. ALL EXCAVATIONS ARE TO BE INSPECTED BY THE ENGINEER PRIOR TO CONCRETING.
 CONTRACTOR TO GIVE THE ENGINEER 24 HOURS
 NOTICE TO ALLOW INSPECTION TO BE CARRIED OUT
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STRUCTURE DURING THE COURSE OF THE WORKS.

С	CABINETS RELOCATED.	07.11.16	WW	SB
В	CONSTRUCTION ISSUE	06.10.16	CDH	SB
A1	ISSUED FOR APPROVAL	23.08.16	CDH	SB
No.	Revision	Date	Ву	ckd



Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:

ADELAIDE ROAD SW ADELAIDE ROAD HAMPSTEAD, LONDON, NW3 3PX

Title:

PROPOSED TELECOMMUNICATIONS
STREETWORKS INSTALLATION
CONSTRUCTION DETAILS 1 OF 4

Purpose of Issue:

CONSTRUCTION

Drawing No:

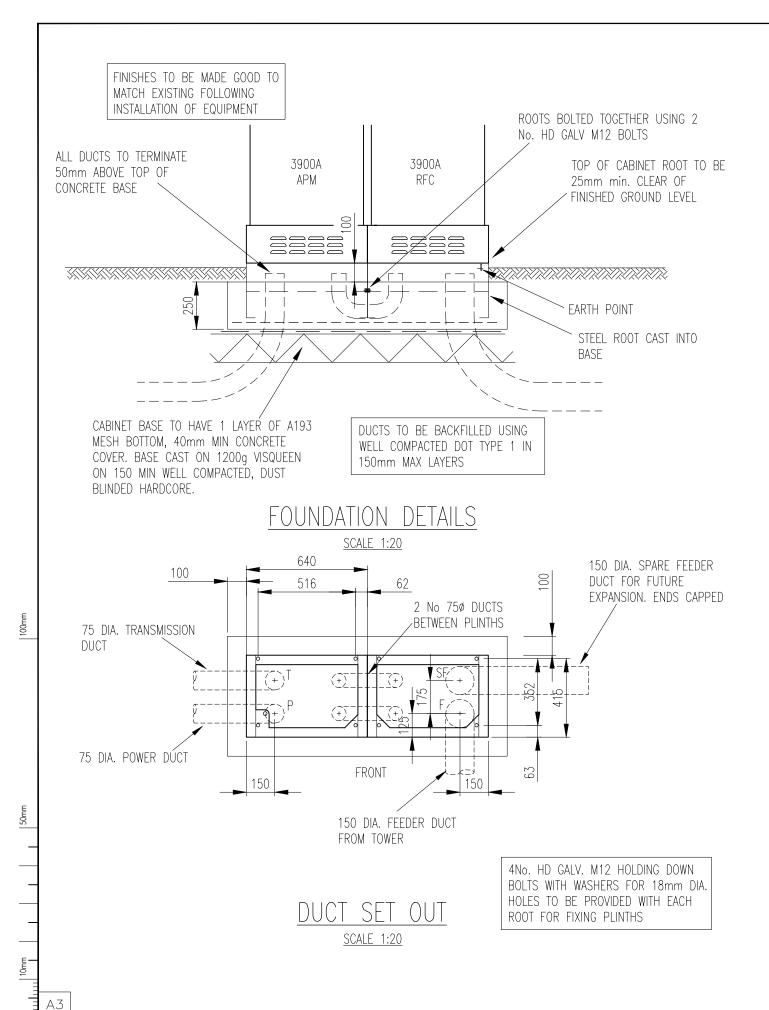
63376/1465694 - 17

Cell No:				Site	No:		
6	337	6			14	16569	94
Issue:	Scale:	AS S	TATED		Ch'd:	SB	Date: 23.08.16
C	Drn:	CDH	Date:	2.08.16	Арр:	SB	Date: 23.08.16

20mm

10mm

A3



STEELWORK NOTES

- 1. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH BS 5950. THE STRUCTURAL USE OF STEELWORK IN BUILDINGS.
- 2. STRUCTURAL STEELWORK SECTIONS TO BE GRADE S275 STEEL IN ACCORDANCE WITH BS EN 10025.
- 3. BOLTS TO BE GRADE 8.8 UNLESS NOTED OTHERWISE.
- 4. WELDS TO BE 6mm CONTINUOUS FILLET, UNLESS NOTED OTHERWISE.
- 5. CONTRACTOR MUST VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK OR MAKING ANY SHOP DRAWINGS. NO DIMENSIONS TO BE SCALED FROM DRAWINGS. DISCREPANCIES MUST BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING.
- 6. ALL STEELWORK IS TO BE BLAST CLEANED TO SA2.5, AND HOT DIPPED GALVANIZED TO A THICKNESS OF 140 MICRONS IN ACCORDANCE WITH BS
- 7. GALVANIZED NUTS AND BOLTS TO BE USED (U.O.N.).
- 8. STEELWORK WHICH HAS BEEN DAMAGED ON SITE TO BE TOUCHED UP, WITH COLD GALVANIZING (GALVAFROID OR SIMILAR APPROVED) AND ONLY TO THE ENGINEERS APPROVAL.
- 9. BOLTED CONNECTIONS TO HAVE A MINIMUM CONNECTION OF 2No M16 BOLTS, UNLESS NOTED OTHERWISE.
- 10. FABRICATION DRAWINGS ARE TO BE SUBMITTED TO W.H.P. PRIOR TO MANUFACTURE OF STEELWORK.
- 11. NEW OPEN MESH GRATING TO BE LIONWELD KENNEDY W100 TYPE WITH 25x3 THK BEARING BARS (GALVANISED).
- 12. ALL TEMPORARY ERECTION BRACINGS & LIFTING POINTS TO BE PROVIDED BY THE STEELWORK CONTRACTOR PRIOR TO LIFTING & ERECTION.

EARTHING/LP DETAILS:

EARTH POINTS ON INSIDE OF BTS CABINETS TO BE CONNECTED TO NEW L/P SYSTEM USING 25X3 BURIED BARE (PVC COATED ONLY WHEN EXPOSED) COPPER EARTH TAPE. TAPE TO BE CAST INTO BASE AND EMERGE ON INSIDE OF ROOT.

BARE BURIED COPPER EARTH MAT PROVIDED AT FORMATION LEVEL UNDER THE NEW EQUIPMENT CABINETS.

THE L/P SYSTEM IS TO BE TESTED TO ENSURE IT COMPLIES WITH THE SPECIFICATION. IE 10 OHMS MAX RES

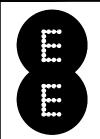
CONTRACTOR TO CARRY OUT HAND DUG TRENCH ACROSS EQUIPMENT C/L TO LOCATE ALL EXISTING SERVICES PRIOR TO MECHANICAL EXCAVATIONS. WHERE NECESSARY SERVICES ARE TO BE DIVERTED BY SERVICE PROVIDER PRIOR TO COMMENCEMENT OF WORKS

NOTE: ALL WORKS ARE TO BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE DESIGN GUIDE.

NOTE: ANY DEVIATIONS FROM THE DETAILS ON THIS DRAWING OR THE DESIGN GUIDE MUST BE APPROVED BY WHP/CLIENT PRIOR TO COMMENCEMENT OF THE WORKS.

NOTE: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE STEELWORK CONTRACTOR PRIOR TO FABRICATION. ALL TEMPORARY ERECTION BRACING & LIFTING POINTS TO BE PROVIDED BY THE STEELWORK CONTRACTOR.

С	CABINETS RELOCATED.	07.11.16	WW	SB
В	CONSTRUCTION ISSUE	06.10.16	CDH	SB
A1	ISSUED FOR APPROVAL	23.08.16	CDH	SB
No.	Revision	Date	Ву	ckd



Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:

ADELAIDE ROAD SW ADELAIDE ROAD HAMPSTEAD, LONDON, NW3 3PX

Title:

PROPOSED TELECOMMUNICATIONS
STREETWORKS INSTALLATION
CONSTRUCTION DETAILS 2 OF 4

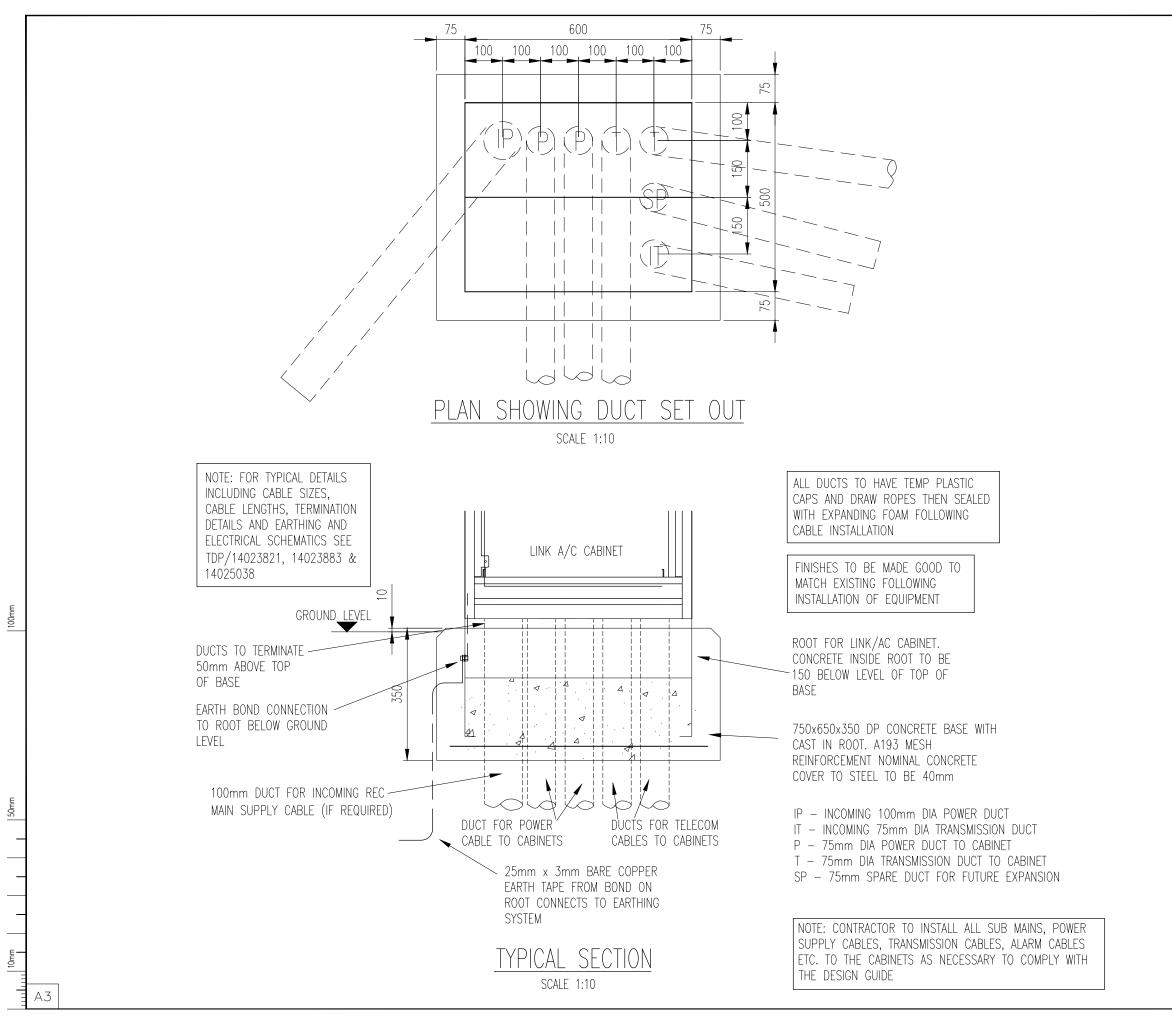
Purpose of Issue:

CONSTRUCTION

Drawing No:

63376/1465694 - 18

Cell No:		Site	No:				
63376						16569	94
Issue:	Scale:	AS S	TATED		Ch'd:	SB	Date: 23.08.16
C	Drn:	CDH	Date:	2.08.16	Арр:	SB	Date: 23.08.16







Hatfield Business Park Hatfield Herfordshire AL10 9BW Tel: 01707 315000 Fax: 01707 319001



WHP Wilkinson Helsby Unit 1 Maple Park Lowfields Road, Leeds LS12 6HH

Tel: 0113 3023550 Fax: 0113 2876834 e-mail: info@wilkinson-helsby.co.uk

Site Name & Address:

ADELAIDE ROAD SW
ADELAIDE ROAD
HAMPSTEAD, LONDON, NW3 3PX

Title:

PROPOSED TELECOMMUNICATIONS
STREETWORKS INSTALLATION
CONSTRUCTION DETAILS 3 OF 4

Purpose of Issue:

CONSTRUCTION

Drawing No:

63376/1465694 - 19

Cell	No:		
		63376	
		T	

Site No: 1465694

| Scale: AS STATED | Ch'd: SB | Date: 23.08.16 | Ch'd: SB | C

