

Our Ref: 79226

WHP Wilkinson Helsby - Acquisition Design and Construction

2/9/2015

WHP Wilkinson Helsby

The Director of Planning
The Planning Department
Barnsley Metropolitan Borough Council
PO Box 634
Barnsley
S70 9GG

The Ponderosa
Scotland Lane
Horsforth
Leeds
LS18 5SF

Tel: 0113 258 3565

Fax: 0113 258 3565

Mob: 07771527070

Dear Sir/Madam,

web: www.wilkinson-helsby.co.uk

e-mail: d.hosker@wilkinson-helsby.co.uk

EE LTD & HUTCHINSON 3G UK LTD:

**GPDO APPLICATION FOR PROPOSED 4G (FOURTH GENERATION)
UPGRADE TO EXISTING EQUIPMENT AT:**

MACRO AT WAVIN, OFF A616, CROW EDGE, SHEFFIELD, S36 4HG

This application is submitted under Part 16 of Schedule 2 to the Town and Country Planning (General Permitted Development) (England) Order 2015 and in accordance with the electronic communications code under the Telecommunications Act 1984 Schedule 2 as amended by the Communications Act 2003.

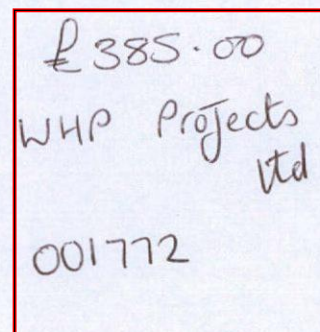
This is an application for a determination as to whether the prior approval of the Authority will be required to the siting and appearance of the upgrade as outlined on the enclosed drawings.

We write on behalf of Hutchinson & EE Ltd, with regard to the upgrade of telecommunications apparatus at the above location. Hutchinson & EE Ltd is a licensed operator of an electronic communications network in accordance with the Communications Act 2003.

Hutchinson & EE Ltd benefits from permitted development rights for this development as set out under the above order. H3G and EE are required to apply to the local planning authority for a determination as to whether the prior approval of the authority will be required to the siting and appearance of the development set out below;

Proposed telecommunications installation upgrade and associated works.

The location has been identified as being necessary for EE Ltd business development and meets its specific technical and operational requirements. The identification of this location for an upgrade follows pre- application discussion with your Department and we now make a formal application to you as planning authority.

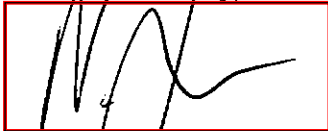


Please find enclosed the associated application package comprising: -

- Required number of copies of associated Planning Drawings Ref: 79226, 01-04.
- Required number of copies of the Statement made in support of the application which contains the following;
- ICNIRP Certificate.
- Cheque of (£ 385).

We trust this will be acceptable and look forward to discussing the merits of this proposal with you in the near future. In the meantime should you require any additional information or have any queries relating to this application, please do not hesitate to contact (Damian Hosker BA (Hons) MA MRTPI) at the above address.

Yours Faithfully,



(Damian Hosker BA(Hons) MA MRTPI)
Principal Planner
d.hosker@wilkinson-helsby.co.uk
07771527070

Our Ref: 79226

1/9/2015

Ian Sykes
Macro At Wavin,
Off A616,
Crow Edge,
Sheffield,
S36 4HG

Dear Sir/Madam,

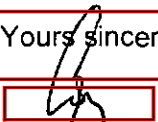
**Proposed EE (UK) Ltd & Hutchinson 3G UK Limited
Telecommunications Installation.**

Cell Ref: 79226
Site: Macro At Wavin, Off A616, Crow Edge,
Sheffield, S36 4HG
Proposal: Proposed telecommunications
installation upgrade and associated
works.

I write to formally advise you that, on behalf of EE & Hutchinson 3G UK Limited (UK) Ltd, I am submitting an application for prior approval for the siting and design of the above named mentioned development to Barnsley Metropolitan Borough Council. The proposal consists of the development as described above and shown on the enclosed developers notice.

Attached is the developers notice advising you that you have 14 days from the serving of this notice to comment to the planning section of Barnsley Metropolitan Borough Council if you so wish. Should you require any additional information please do not hesitate to call me on 0113 2583565

Yours sincerely


Damian Hosker
BA (Hons), MA, MRTPI
Planning Consultant
07771527070

DEVELOPERS NOTICE

Town and Country Planning (General Permitted Development) (England) Order 2015

Proposed development at: Macro At Wavin
Off A616
Crow Edge
Sheffield
S38 4HG

Grid Reference: E: 418135, N: 404666

I give notice that WHP on behalf of EE (UK) Ltd and Hutchinson UK Ltd will be applying to: Barnsley Metropolitan Borough Council under Part 16 Schedule 2 to the Town and Country Planning (General Permitted Development) (England) Order 2015 for its determination as to whether the prior approval of the authority will be required to the siting and appearance of:

Proposed telecommunications installation upgrade and associated works.

The application and accompanying plans shall be available for public inspection at the offices of the above authority, during usual office hours, at:

The Director of Planning
The Planning Department
Barnsley Metropolitan Borough Council
PO Box 634
Barnsley
S70 9GG

Any individual and organisation wishing to make representations about the siting and appearance of the proposed development may do so in writing to the Local Planning Authority At the above address any representations must be received no later than; 14 days after the date below.

SIGNED:

WHP



ON BEHALF OF:

EE (UK) Ltd & H3G

DATED:

1/9/2015

EverythingEverywhere Limited
Hatfield Business Park, Hatfield,
Hertfordshire AL10 9BW
Phone: +44 (0)1707 315000

Three UK Limited
Star House, 20 Grenfell Road
Maidenhead, SL6 1EH
Phone: +44 (0)1628 765000

Declaration of Conformity with ICNIRP Public Exposure Guidelines

Certifies that the proposed equipment and installation as detailed in drawing number(s) noted below within the attached planning / GPDO application at:

Cell No:

Cell Name:

Address:

Drawing Number(s):

Is in full compliance with the requirements of the radio frequency (RF) public exposure guidelines of the International Commission on Non-Ionising Radiation (ICNIRP), as expressed in EU Council recommendation of 12 July 1999 - "on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)".

* Reference: 1999/519/EC

Date:

Completed by:

For and on behalf of EE and Three UK

Position:

Company

If your company is not listed, please email mark.shaw@mbnl.co.uk

MBNL ICNIRP Certificate
V 7.0 June
2015

SITE SPECIFIC SUPPLEMENTARY INFORMATION

1. Site Details

Site Name:	Macro At Wavin	Site Address:	Macro At Wavin
NGR:	E: 418135, N: 404666		Off A616
			Crow Edge
			Sheffield
			S36 4HG
Site Ref Number:	79226	Site Type: Macro	Macro

2. Pre Application Check List

Site Selection

Was an LPA mast register used to check for suitable sites by the operator or the LPA?		No
If no explain why:		
After a phone call to the LPA it was felt that the industry database was a more up to date source of information.		
Was the industry site database checked for suitable sites by the operator:	Yes	
If no explain why:		
N/A		

Annual roll out consultation with LPA

Date of last annual rollout information/submission:	This information can be emailed to the LPA on request
Name of Contact:	This information can be emailed to the LPA on request
Summary of outcome/Main issues raised:	This information can be emailed to the LPA on request

Pre-application consultation with LPA

Date of written offer of pre-application consultation:	18th August 2015
Was there pre-application contact:	No
Date of pre-application contact:	N/A
Name of contact:	The Director of Planning

Summary of outcome/Main issues raised:

At the time of preparing this submission, and despite our attempt to engage in pre-application dialogue with the LPA, no comments had been received in respect to the proposals.

Ten Commitments Consultation

Rating of Site under Traffic Light Model:	Green		
Prior to the submission of this application the applicant initiate pre-consultation discussions with the local planning authority. This provides an opportunity for the LPA to discuss development proposals and identify site specific issues.			
Summary of outcome/Main issues raised:			
No response has been received at the time of submission.			

School/College

Location of site in relation to school/college:
There are no schools in close proximity to the site.
Outline of consultation carried out with school/college:
N/A
Summary of outcome/Main issues raised:
N/A

Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator consultation (only required for an application for prior approval)

Will the structure be within 3km of an aerodrome or airfield?		No
Has the Civil Aviation Authority/Secretary of State for Defence/Aerodrome Operator been notified?		No
Details of response:		
N/A		

Developer's Notice

Copy of Developer's Notice enclosed?	Yes
Date served:	1/9/2015

3. Proposed Development

The proposed site:

There is a corporate requirement for this site as the company (Wavin) need significantly improved telecommunications and thus the mast is need to bolster and significantly improve their service. Given the location of the proposed mast to the rear of the commercial premises the visual implications of this upgrade are negligible. The sharing of base stations between multiple operators is one of the key strategic policy principles contained within the NPPF. H3G and EE have a network sharing agreement and thus these installations are fully compliant with the NPPF. Central Government attaches great importance to the design of the built environment and outlines this within Section 7 (para. 56) of the National Planning Policy Framework. It states:

"Good design is a key aspect of sustainable development, is indivisible from good planning, and should contribute positively to making places better for people".

In keeping with the National Planning Policy Framework (NPPF). guidelines of using: "high quality communications infrastructure", the proposed monopole design has been selected to minimise visual impact upon the area in which it sits by integrating with the existing street furniture, having similar vertical lines and overall appearance to the street lighting columns that are common feature in the built environment.

Photo of the entrance of Wavin to proposed site is to the rear of the building out of sight of the road:

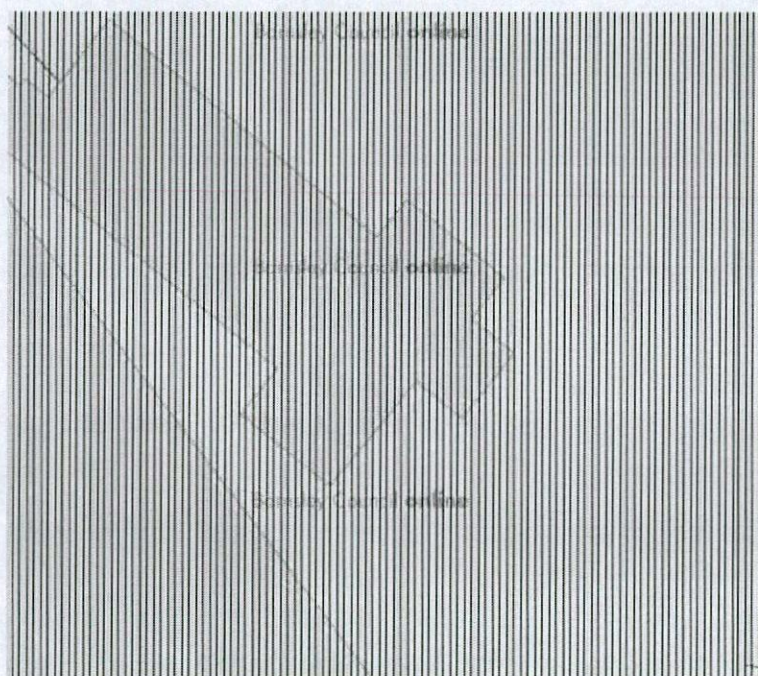


Site Ref (EE):	79226	Site Address:	WAVIN, A616, Crow Edge, Sheffield, S36 4HG
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Local Planning Authority: Barnsley Council

Development Plan: Barnsley LDF Core Strategy DPD (2011) / Barnsley UDP (2000) (Saved Policies)

Fig.1 – Local Plan Map (extract – reference only)



Site and its surrounds

Policy Relevant to the Development Site:

The site is designated as being beyond the settlement boundary, with rural / industrial uses to the north, east, south and west. The site is in the Green Belt. The land designation of the site is not considered to be a material consideration.

Barnsley Council does not have a specific telecoms policy (UDP Policy UTL5 was not saved). Therefore the NPPF is of relevance. The National Planning Policy section of this supporting statement goes into detailed analysis of why this site is in compliance with the NPPF.

Policy Analysis:

Policy GS8A states that:

In the green belt, the change of use and/or alteration and/or extension of an existing building will be permitted provided that:

- a) the building as altered and extended or used, in accordance with the development

permitted, will not have a materially greater impact than the present use on the openness of the green belt and the purpose of including land in it

b) the building as altered and extended or used in accordance with the development permitted, will not adversely affect the amenity of local residents or the appearance of the locality, nor lead to traffic or safety problems.

As stated above the site is designated as being beyond the settlement boundary, with rural uses to the north, east, south and west. The site is in the Green Belt and the land designation that this site is located in is considered to be a material consideration. It is imperative to consider that there are no viable options that are outside of the Green Belt and thus exceptional circumstances exist for this location with the GB designation. The openness and visual amenity of the Green Belt shall not be injured by any proposals for development within or conspicuous from the Green Belt which might be visually detrimental by reasons of scale, siting, materials or design.

The proposed works would not be to the detriment or openness of the surrounding area, where the site is limited in height (but sufficiently high to clear the 'clutter' of nearby buildings, and so would generally conserve the character of the location) on an existing built site in the Green Belt, yet ensure greatly enhanced service delivery so according with the principles of the policy.

It accords with the requirements of the NPPF.

Enclose map showing the cell centre and adjoining cells:

Type of Structure

Description:

Tower Details:

15.0m High Phase 3 SW Tower on root foundation.

Colour: Galvanised

Material: Steel

Cabinet Details:

Cabinet Ref: Flexi Units and MK2 UCU's within Fredo Cabinet on new root foundation.

Dimensions: 900 x 800 x 1260 High

Material: Steel

Colour: Grey

MK4 Link/AC Cabinet on new root foundation

Dimensions: 600 x 500 x 1520 High

Material: Steel

Colour: Grey

Overall Height: 14.7m AGL

Height of existing building

N/A

Equipment Housing:

Length:	
Width:	
Height:	
Materials	
Tower/mast etc – type of material and external colour:	
Equipment housing – type of material and external colour:	

Reasons for choice of design:
Central Government attaches great importance to the design of the built environment and outlines this within Section 7 (para. 56) of the National Planning Policy Framework. It states "Good design is a key aspect of sustainable development, is indivisible from good planning, and should contribute positively to making places better for people". The proposed installation is an EE LTD Phase 3 Streetwork Pole which will house both Orange and T-Mobile & H3G LTE. The sharing of base stations between multiple operators is one of the key strategic policy principles contained within the NPPF.

4. Technical Information

ICNIRP Declaration attached	Yes	
ICNIRP public compliance is determined by mathematical calculation and implemented by careful location of antennas, access restrictions and/or barriers and signage as necessary. Members of the public cannot unknowingly enter areas close to the antennas where exposure may exceed the relevant guidelines. When determining compliance the emissions from all mobile phone network operators on the site are taken into account.		

Frequency:	This information can be emailed to the LPA on request
Modulation characteristics ¹	As above
Power output (expressed in EIRP in dBW per carrier)	As above
In order to minimise interference within its own network and with other radio networks, (EE LTD) operates its network in such a way the radio frequency power outputs are kept to the lowest levels	

¹ The modulation method employed in GSM is GMSK (Gaussian Minimum Shift Keying) which is a form of Phase modulation

The modulation method employed in UMTS is QPSK (Quad Phase Shift Keying) which is another form of Phase Modulation

commensurate with effective service provision	
As part of (EE LTD)'s network, the radio base station that is the subject of this application will be configured to operate in this way.	
Height of antenna (m above ground level)	

5. Technical Justification

Reason(s) why site required
The National Planning Policy Framework clearly states that authorities should not question the need for the service, nor seek to prevent competition between operators. Notwithstanding this fact, the Applicant considers it to be important to explain the technical justification for the site and how the facility fits into the overall network. Notwithstanding this fact, the Applicant considers it to be important to explain the technical justification for the site and how the facility fits into the overall network. The site is required to provide new improved coverage for EE Further detail regarding the general operation of the network can be found in the accompanying document entitled 'General Background Information on Radio Network Development for Planning Applications'. This information is provided to assist the local planning authority in understanding any technical constraints on the location of the proposed development.

6. Site Selection Process – alternative sites considered and not chosen

Discounted Options
In accordance with the sequential approach outlined in the National Planning Policy Framework (NPPF) following search criteria have been utilised. Firstly consideration is always given to sharing any existing telecommunication structures in the area, secondly consideration is then given to utilising any suitable existing structures or buildings and thirdly sites for freestanding ground based installations are investigated. This sequential approach is outlined below: a) Mast and Site Sharing b) Existing Buildings Structures c) Ground Bases Installations In compliance with its licence and the sequential approach outlined in the NPPF all attempts to utilise any existing telecommunication structures where they represent the optimum environmental solution have been employed. The Ofcom Site Finder mast register is always examined prior to the submission of an application.

If no alternative site options have been investigated, please explain why:

N/A

7. Additional Relevant Information

Background to the Proposal

This partnership has resulted in the development and production of an array of "dual user" structures and cabinets, which have the ability to accommodate both operator's antenna systems and radio equipment.

Mobile phone base stations operate on a low power and accordingly base stations therefore need to be located in the areas they are required to serve. Increasingly, people are also using their mobiles in their homes and this means we need to position base stations in, or close to, residential areas.

A further limiting factor is that the position has to be one that fits in with the existing network. Sites have to form a patchwork of coverage cells with each cell overlapping to a limited degree with the surrounding base stations to provide continuous network cover as users move from one cell to the other. However if this overlap is too great unacceptable interference is created between the two cells.

DEVELOPMENT PLAN POLICY.

Development plan considerations have a special significance in law. Section 54A of the Town and Country Planning Act 1990 (The Act), and re-iterated in Section 38 of the Planning and Compensation Act 2004, it is stated that:

"Where in making any determination under the Planning Acts regard is to be had to the Development Plan, determination shall be made in accordance with the Development Plan unless material considerations indicate otherwise."

NATIONAL PLANNING POLICY

PPG8 and PPS1 have been replaced by the National Planning Policy Framework (NPPF) (March 2012). This document condenses the advice outlined previously although the broad principles of promoting the expansion of electronic communication networks remain the same:

The Government remain committed to promoting telecommunications and place emphasis on the importance of telecommunications to the wider economy. The National Planning Policy Framework (NPPF) sets out the Government's planning policies for England and how these are expected to be applied at the Local level. It provides a framework within which local people and their accountable Councils can produce their own distinctive local and neighbourhood plans, which reflect the needs and priorities of their communities.

The purpose of the planning system is to contribute to the achievement of sustainable development. There are three dimensions of sustainable development, each of which give rise to the need for the planning systems to perform a number of roles including;

- Economic Role – contributing to building strong, responsive and competitive economy;
- Social Role – Supporting strong vibrant and healthy communities; and
- Environmental Role – Contributing to protecting and enhancing our natural, built and historic environment.

The NPPF contains at its core a presumption in favour of sustainable development which runs through both plan-making and decision-making processes.

Paragraph 19 states that “The Government is committed to ensuring that the planning system does everything it can to support sustainable economic growth. Planning should operate to encourage and not act as an impediment to sustainable growth. Therefore significant weight should be placed on the need to support economic growth through the planning system”.

It continues in Paragraph 20 to confirm Central Government advice that “To help achieve economic growth, local planning authorities should plan proactively to meet the development needs of business and support an economy fit for the 21st century”. The following paragraph states “Planning policies should recognise and seek to address potential barriers to investment, including a poor environment or any lack of infrastructure”

Section 4 of the NPPF (Paragraph 29) encourages the “smarter use of technologies” to reduce the need to travel and promote sustainable transport methods in accordance with the central sustainable development thread which travels through the Framework.

The most pertinent section of the NPPF to the proposed development is that contained within Section 5: Supporting High Quality Communications Infrastructure.

There is recognition from Central Government in Paragraph 42 that “Advanced, high quality communications infrastructure is essential for sustainable economic growth” which will in turn play a vital role in developing provisions within the local community of both facilities and services.

Paragraph 43 identifies the need to “keep the number of radio and telecommunications masts and the sites for such installations to a minimum consistent with the efficient operation of the network”. In doing so, Central Government encourages the use of existing masts, buildings and other structures unless the need for a new site can be justified. Where such new sites are required, it is suggested that, where appropriate, equipment should be sympathetically designed and camouflaged.

Paragraph 45 defines the evidence that should be supplied to justify the proposed development. This should include:

- “The outcome of consultations with organisations with an interest in the proposed development, in particular with the relevant body where a mast is to be installed near a school or college or within a statutory safeguarding zone surrounding an aerodrome or

technical site; and

- for an addition to an existing mast or base station, a statement that self-certifies that the cumulative exposure, when operational, will not exceed International Commission on non-ionising radiation protection guidelines; or
- for a new mast or base station, evidence that the applicant has explored the possibility of erecting antennas on an existing building, mast or other structure and a statement that self-certifies that, when operational, International Commission guidelines will be met."

Confirmation that Local planning authorities must determine applications on planning grounds is also contained in Paragraph 46. In determining applications, it is the contention of Central Government that LPAs should not seek to prevent competition between different operators, question the need for the telecommunications system, or determine health safeguards if the proposal meets International Commission (ICNIRP) guidelines for public exposure.

Central Government attaches great importance to the design of the built environment and outlines this within Section 7 (para. 56). It states "Good design is a key aspect of sustainable development, is indivisible from good planning, and should contribute positively to making places better for people".

In respect to good design, decision making should aim to ensure that any proposal deemed appropriate would "function well and add to the overall quality of the area, not just for the short term but over the lifetime of the development" and "respond to local character and history, and reflect the identity of local surroundings and materials, while not preventing or discouraging appropriate innovation".

In determining planning applications "great weight should be given to outstanding or innovative designs which help raise the standard of design more generally in the area". Paragraph 63.

It is the intention of the NPPF that "Local planning authorities should not refuse planning permission for buildings or infrastructure which promote high levels of sustainability because of concerns about incompatibility with an existing townscape, if those concerns have been mitigated by good design (unless the concern relates to a designated heritage asset and the impact would cause material harm to the asset or its setting which is not outweighed by the proposal's economic, social and environmental benefits)". Paragraph 65.

Paragraph 66 clarifies that "Applicants will be expected to work closely with those directly affected by their proposals to evolve designs that take account of the views of the community. Proposals that can demonstrate this in developing the design of the new development should be looked on more favourably".

Conclusion

We consider that the development is compliant with the council's policy and that in accordance with Section 38 (6) of the Planning and Compensation Act 2004 permission should be granted for the installation.

We consider the development complies with both central government and local planning policy guidance where the underlying aim is to provide an efficient and competitive telecommunication system for the benefit of the community while minimising visual impact.

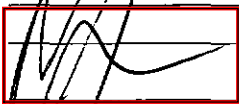
Taking into account the factors of technical constraints, available sites and planning constraints we consider that this site and design clearly represents the optimum environmental solution.

On the basis of a recognised need to expand and promote telecommunications networks across the region, it is considered that the proposal fully accords with the requirements of the National Planning Policy Framework and Manchester City Council's Local Plan Policies.

Damian Hosker BA(Hons) MA MRTPI
d.hosker@wilkinson-helsby.co.uk

07771527070

Contact Details

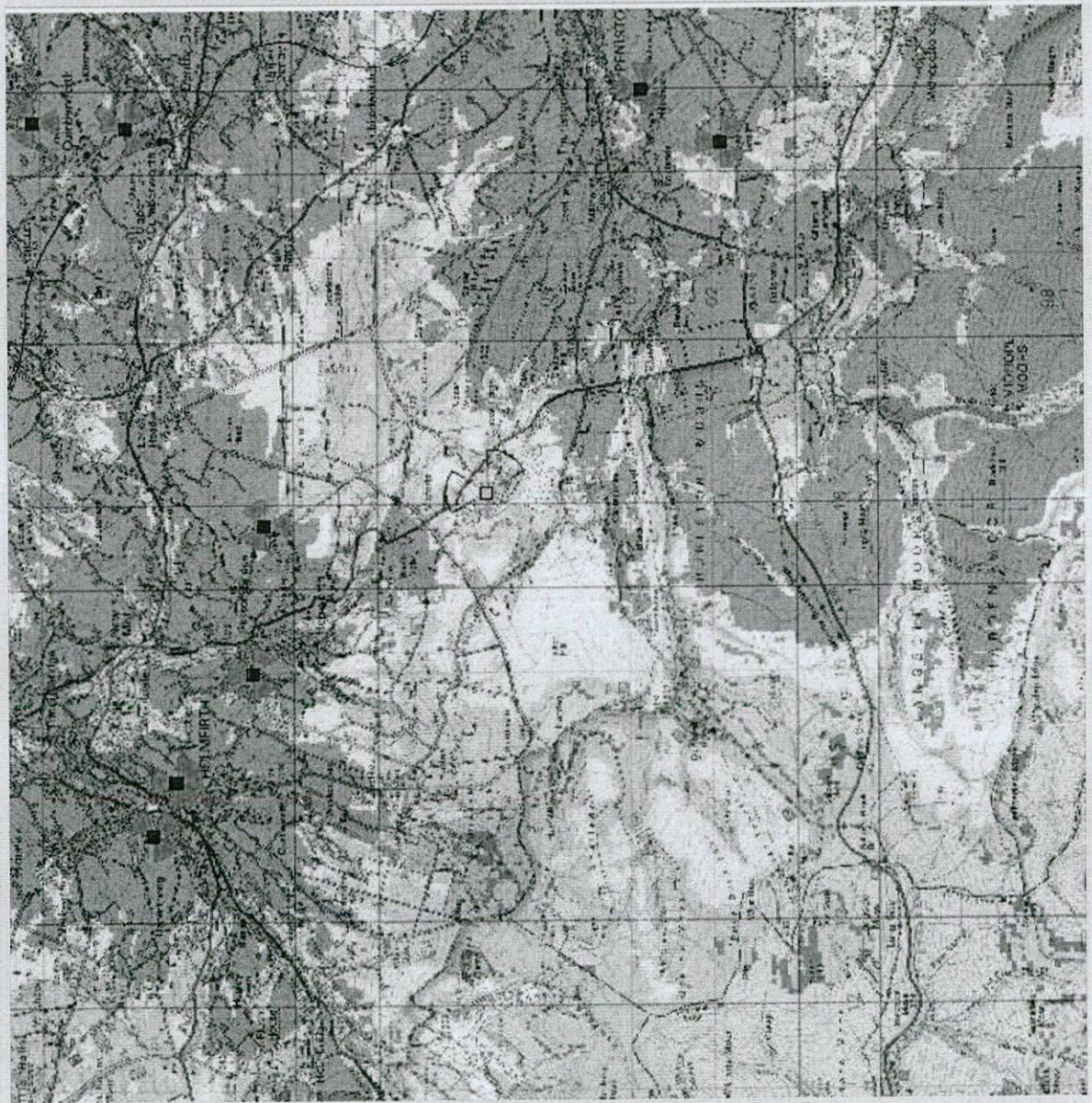
Name: (Agent)	Damian Hosker BA(Hons) MA MRTPI	Telephone:	01132583565 07771527070
Operator:	EE LTD & H3G LTE	Fax no:	N/A
Address:	WHP Ponderosa Scotland Lane Horsforth Leeds LS18 5SF	Email Address:	d.hosker@wilkinson-helsby.co.uk
Signed:		Date:	2/9/2015
Position:	Planning Manager	Company:	WHP
		(on behalf of above operator)	

79226 WAAVIN

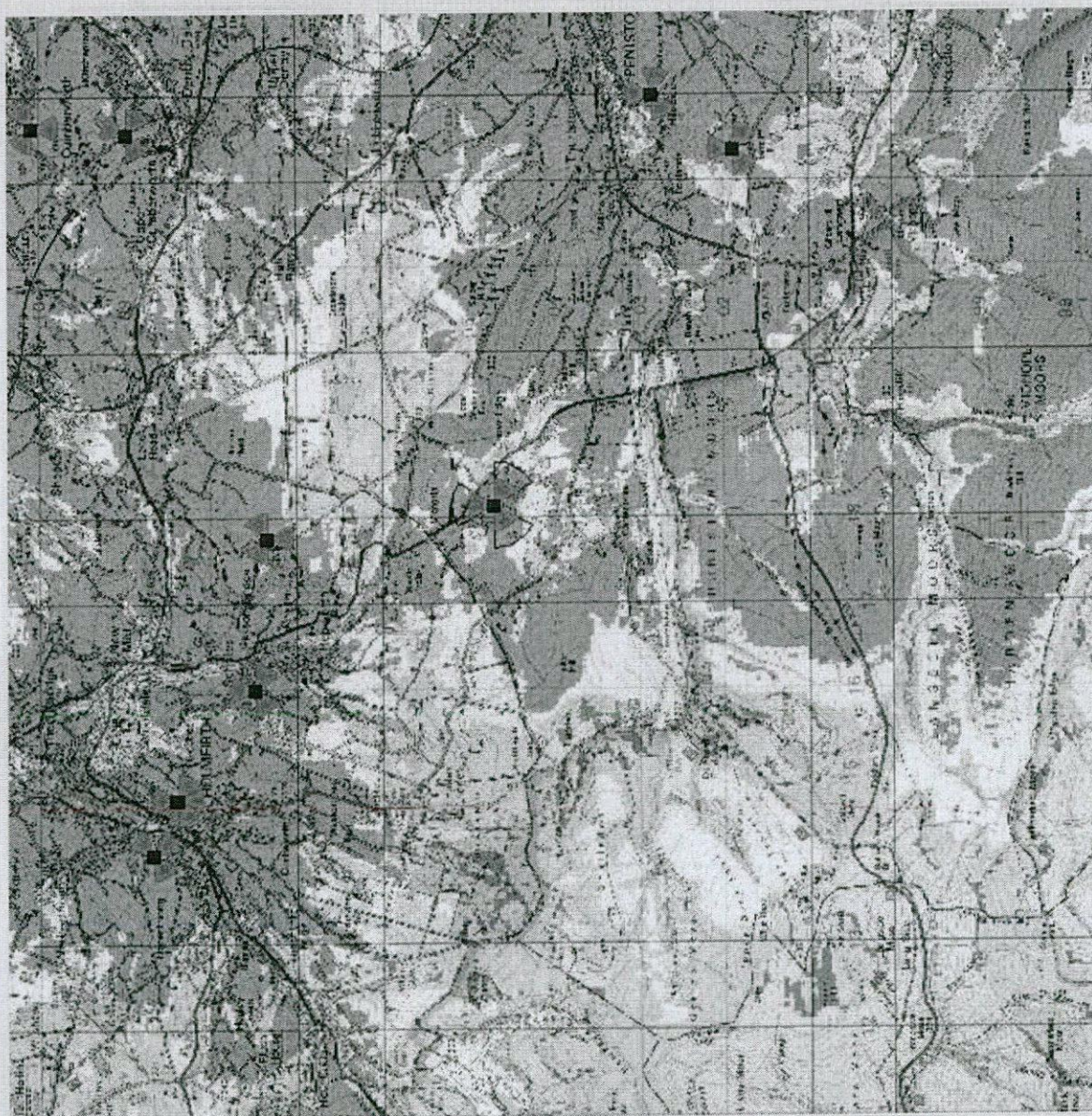
UNIT'S Coverage
Justification plots



Existing outdoor 3G coverage



Existing outdoor 3G coverage with the proposed new cell



			Variable Outdoor Coverage
			Low data variable indoor Coverage
			High data rate indoor Coverage

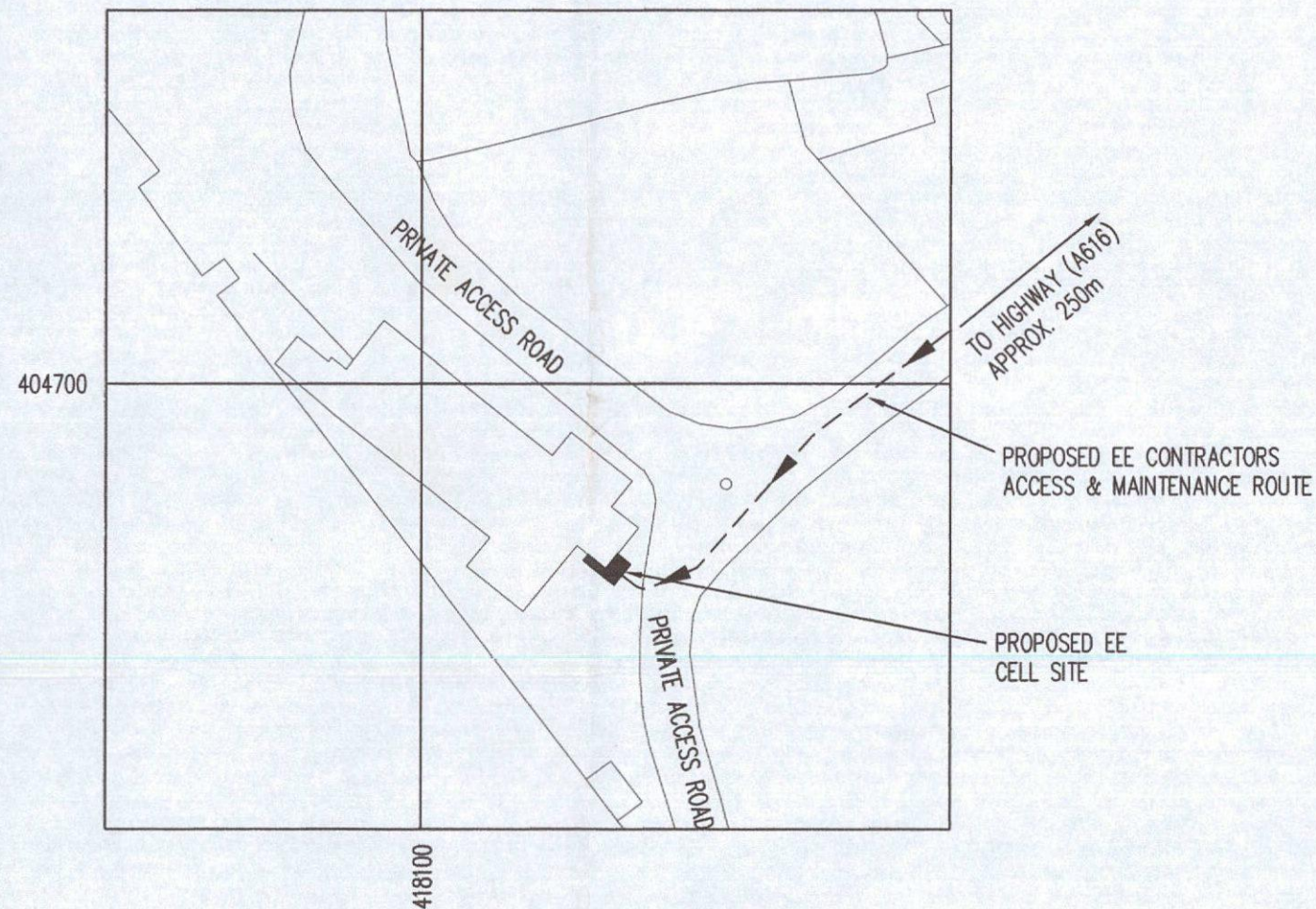


PROPOSED EE EQUIPMENT

CABINET DETAILS:
CABINET REF: FLEXI UNITS & MK2 UCU's WITHIN FREDO CABINET
ON NEW ROOT FOUNDATION
DIMENSIONS: 900x800x1260 HIGH
MATERIAL: STEEL
COLOUR: GREY

CABINET DETAILS:
MK4 LINK/AC CABINET ON NEW ROOT FOUNDATION
DIMENSIONS: 600x500x1520 HIGH
MATERIAL: STEEL
COLOUR: GREY

TOWER DETAILS:
15.0m HIGH PHASE 3 SW TOWER ON ROOT FOUNDATION
COLOUR: GALVANISED
MATERIAL: STEEL



LOCATION PLAN

SCALE 1:1250

REPRODUCED FROM ORDNANCE SURVEY PROMAP DATA © CROWN COPYRIGHT 2015
LICENCE NUMBER 100020449

NGR E 418135
NGR N 404666

EXCLUSION ZONES CONFORM TO THE ICNIRP
REFERENCE LEVEL FOR LIMITED EXPOSURE TO
MEMBERS OF THE GENERAL PUBLIC

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTATION.
2. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED

No.	Revision	Date	By	ckd
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PURPOSE OF ISSUE

● Approval ● Planning ● Legal ○ Construction ○ As-built

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001



WHP Wilkinson Helsby
St James Business Centre,
Wilderspool Causeway, Warrington
WA4 6PS
Tel: 01925 424100 Fax: 01925 424101
e-mail: info@wilkinson-helsby.co.uk

Cell CELL No. 79226

Contract MACRO AT WAVIN,
OFF A616, CROW EDGE,
SHEFFIELD, S36 4HG

Title PROPOSED TELECOMMUNICATIONS
GREENFIELD INSTALLATION
SITE LOCATION

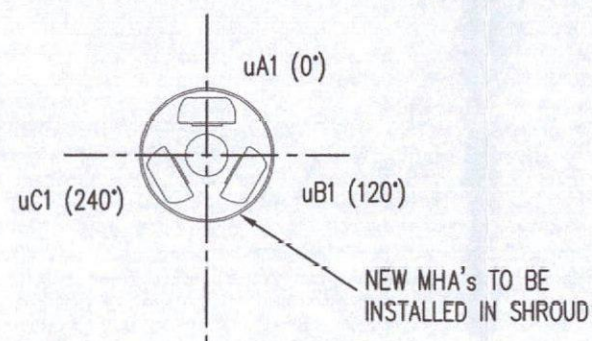
Designed PN	Checked PN	Date 10.07.15
Drawn PN	Approved SPH	Scale AS SHOWN
DRAWING No.	79226-01	REVISION

100mm

50mm

10mm

A3



ANTENNA DETAILS

SCALE 1:20

TOILET BLOCK ROOF
(APPROX. 3.3m AGL)

EXISTING
MANHOLE

TARMAC
HARDSTANDING AREA

PROPOSED 15m PHASE 3 SW
TOWER ON ROOT FOUNDATION

PROPOSED 150Ø DUCT FOR
FEEDERS TO NEW FREDO CABINET

PROPOSED SPARE 150Ø
DUCT FOR FUTURE USE

FOOTPATH

PROPOSED FREDO CABINET
ON NEW ROOT FOUNDATION

TARMAC
PARKING AREA

PROPOSED MK 4 LINK AC CABINET
ON NEW ROOT FOUNDATION FOR
INCOMING POWER & TRANSMISSION

PROPOSED 2No. SPARE 100Ø
DUCTS FOR FUTURE USE

PROPOSED 100Ø INCOMING GREY TRANSMISSION
DUCT TO LINK AC CABINET. TRANSMISSION
SURVEY REQUIRED PRIOR TO CONSTRUCTION

PROPOSED 100Ø INCOMING POWER DUCT
TO LINK AC CABINET. POWER SURVEY
REQUIRED PRIOR TO CONSTRUCTION

PROPOSED 2No. 100Ø DUCTS TO
FREDO CABINET FROM LINK AC
FOR POWER & TRANSMISSION

ACCESS TO MAIN
OFFICE VIA RAMP

EXISTING SITE PROVIDER SALT BIN
TO BE RELOCATED AS REQUIRED

NOTE: ROUTE OF POWER AND TRANSMISSION
SUPPLIES ARE APPROXIMATE AND ARE INDICATIVE
ONLY

PROPOSED POWER SUPPLY ROUTE: ————

PROPOSED TRANSMISSION SUPPLY ROUTE: ————

PROPOSED COMBINED POWER & TRANSMISSION
SUPPLY ROUTE: ————

EQUIPMENT CABINET LAYOUT

SCALE 1:50

SITE PROVIDER TO CONFIRM THAT
PROPOSED DEMISE AREA IS ACCEPTABLE

No.	Revision	Date	By	ckd
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PURPOSE OF ISSUE

● Approval ● Planning ● Legal ○ Construction ○ As-built

Hatfield Business Park
Hatfield
Hertfordshire
AL10 9BW

Tel: 01707 315000
Fax: 01707 319001



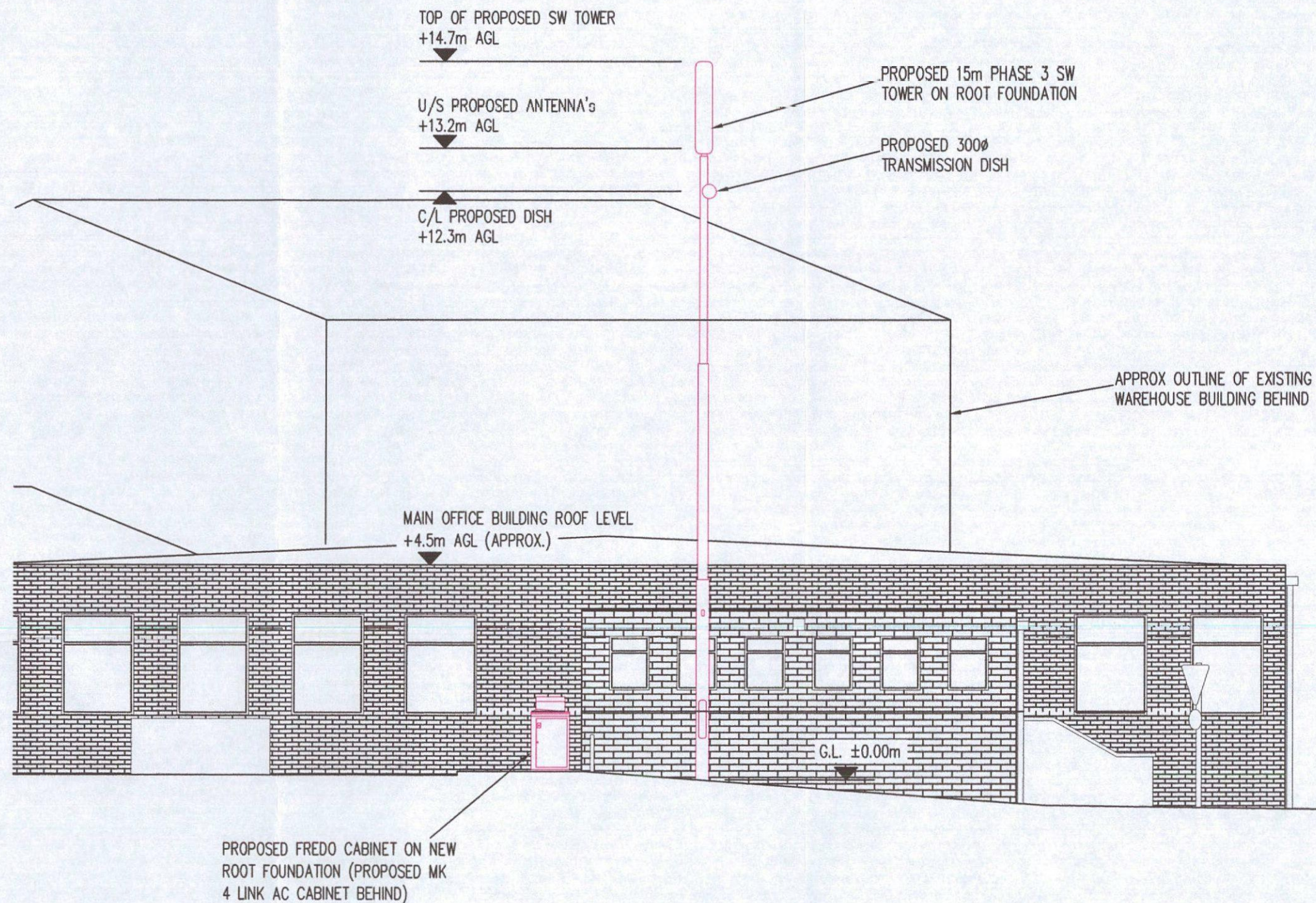
WHP Wilkinson Helsby
St. James Business Centre,
Wilderspool Causeway, Warrington
WA4 6PS
Tel: 01925 424100 Fax: 01925 424101
e-mail: info@wilkinson-helsby.co.uk

Cell CELL No. 79226

Contract MACRO AT WAVIN,
OFF A616, CROW EDGE,
SHEFFIELD, S36 4HG

Title PROPOSED TELECOMMUNICATIONS
GREENFIELD INSTALLATION
EQUIPMENT LAYOUT

Designed PN	Checked PN	Date 10.07.15
Drawn PN	Approved SPH	Scale AS SHOWN
DRAWING No. 79226-03	REVISION	



SOUTH EAST ELEVATION
SCALE 1:100

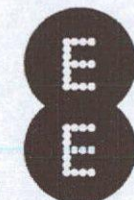
No.	Revision	Date	By	ckd
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PURPOSE OF ISSUE

☒ Approval
 ☒ Planning
 ☒ Legal
 ☐ Construction
 ☐ As-built

Hatfield Business Park
 Hatfield
 Hertfordshire
 AL10 9BW

Tel: 01707 315000
 Fax: 01707 319001



WHP Wilkinson Helsby
 St. James Business Centre,
 Wilderspool Causeway, Warrington
 WA4 6PS
 Tel: 01925 424100 Fax: 01925 424101
 e-mail: info@wilkinson-helsby.co.uk

Cell CELL No. 79226

Contract MACRO AT WAVIN,
 OFF A616, CROW EDGE,
 SHEFFIELD, S36 4HG

Title PROPOSED TELECOMMUNICATIONS
 GREENFIELD INSTALLATION
 SITE ELEVATION

Designed PN	Checked PN	Date 10.07.15
Drawn PN	Approved SPH	Scale AS SHOWN
DRAWING No.	79226-04	REVISION