



DEPARTMENT  
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- 2 OCT 2007  
NO: N6/2007/1462/FP

# nationalgrid

## Wireless

- NOTES**
- 1) DO NOT SCALE DIMENSIONS EXCEPT FOR PLANNING PURPOSES
  - 2) ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE
  - 3) ALL LEVELS ARE IN METRES AND RELATED TO A LOCAL DATUM

Contractor: Alan Campbell Group Ltd  
 Consultant: Chalcroft  
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Iss	Revision	Date	Drn	App
13	Project No. 74675 Antennas / Cabinets	30.07.07	BH	DS
12	Project No. 74675 New Operator	16.02.07	JA	DS
11	Project No. N/A Planned Maintenance	17.05.06	KEW	AS
10	Project No. 55898 As Built	14.07.05	MW	PF
09	Project No. 43086 As Built	05.07.05	MW	PF

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National Grid Wireless  
 Wireless House  
 Warwick Technology Park  
 Heathcote Lane  
 Warwick CV34 6DD  
 TEL: 01926 416000  
 FAX: 01926 416800

BT skyline number  
AL0015

37962

O2

SITE PLAN  
 PROPOSED

Scale. 1:250

Site no. 163138

site name WELWYN GARDEN CITY TE  
 WIGMORES NORTH,  
 WELWYN GARDEN CITY,  
 HERTFORDSHIRE,  
 AL8 6PH

Eastings and Northings  
 523710 213060

NGR: TL 23710 13060

Date: 20.08.2004 Drn: SG

TP/dir	client_type	No_issue	App
P	21343_03_150_M13_13	DA	

Except as otherwise noted, faint details indicate locations reserved for other proposals which may be the subject of separate applications.  
 Boxed text indicates proposed work

CABINET DETAILS: PROPOSED			
QUANTITY	TYPE	SIZE (mm)	FULLY FITTED WEIGHT (kg)
1	PSU	770W x 750D x 1940H	7.7
2	ULTRASITES	770W x 750D x 1940H	3.5

MHA/TMAs installed on antenna support structures as close as possible to antennas.

CUSTOMER		O2								
CUSTOMER REFERENCE NUMBER		37962								
CUSTOMER NOMINAL REFERENCE										
ANTENNA DETAILS: KATHREIN 739 666										
ITEM	DESCRIPTION	HEIGHT		BRG	MECH	FUNC	FEEDER	APPROX LENGTH	LNA	No. OF FEEDERS
A1	88XV7GR26K	21.0	19.7	30°	TBC	TX/RX	LDF5-50A	39	TBC	2
B1	88XV7GR26K	21.0	19.7	140°	TBC	TX/RX	LDF5-50A	21	TBC	2
C1	88XV7GR26K	21.0	19.7	240°	TBC	TX/RX	LDF5-50A	24	TBC	2

TRANSMISSION DISH DETAILS: NONE						
ITEM	SIZE	HEIGHT		BRG	LINK	APPROX FEEDER LENGTH
		MEAN	BASE			
NONE	NONE					

ALL BEARINGS MEASURED EAST OF GRID NORTH  
ALL SIZES IN METRES  
DBPP = DUAL BAND PLANE POLAR

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Wireless

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BT skyline number  
**AL0015**

37962

O2

PROPOSED  
INSTALLATION  
EAST ELEVATION

Scale: 1:250

Site no. 163138

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WIGMORES NORTH,  
WELWYN GARDEN CITY,  
HERTFORDSHIRE,  
ALB 6PH

Eastings and Northings  
523710 213060

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P	21343_03_100_M13_13		DA

H3G Antenna mounted on Non Climbable Tripod Support Frame. 1No. MHA located 0.5m max from Antenna.

O2 antenna B1@140° mounted on modified climbable support structure.

Steelwork Platform with Grillage, Handrail and Access Ladder to Support Antenna Pole.

Steelwork Support Platform with Grillage, Handrail and Access Steps.

H3G Antenna mounted on Yoke off Non Climbable Tripod Support Frame. 1No. MHA located 0.5m max from Antenna.

O2 antenna C1@240° mounted on climbable support structure with out rigger. Existing pole replaced with new pole. Existing dish relocated to new outrigger

300mmØ Dish mounted on existing Pole mounted on Platform.

2No. T-Mobile 4 Port Antennas Pole mounted on Platform with 2No. DTMA's installed on Antenna Pole.

450mm Cable Tray Support system.

Step-Over Platform with Handrail.

Lifting Beam on Concrete Plinth.

T-Mobile Cabin on Steelwork Support Platform with Grillage, Handrail and Access Steps.

1100mm high Safety Handrail.

2No. Satellite Dishes and TV Aerial.

H3G Node B NB441 Base Cabinet on Permanent Plinth.

Step-over Platform with Handrail and Access Ladder to Lower Roof.

13.40m AGL

21.32m AGL

21.32m AGL

21.32m AGL

18.40m AGL

20.90m AGL

17.85 ARL

17.50 ARL

18.05 ARL

17.65 ARL

15.90m AGL

Services Enclosure.

450mm Cable Tray fixed to Handrail.

Access Ladder to Lower Roof.

Steelwork Platform with Grillage, Handrail and Access Ladder to Support Antenna Pole.

O2 antenna A1@30° mounted on new climbable support structure.

T-Mobile 4 Port Antenna Pole mounted on Platform with 1No. DTMA installed on Antenna Pole. Relocated

Access Ladder to Lower Roof. Access to Equipment/Emergency Escape route. Chimney.

1100mm high Safety Handrail.

Access Ladder to Lower Roof. Access to Equipment/Emergency Escape route.

3No. 300mmØ Dishes mounted on Tripod.

Satellite Dish on Steelwork Support.

Main Entrance to Building at Ground Level.

T-Mobile Meter Cabinet at Ground Level (underpass).

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