



3G COVERAGE PLOTS

Date Created: 17 April 2007

T-Mobile Cell Id: 55830
T-Mobile Site Name: WESTERGATE STREET SW

Purpose of Site

The site is required to provide a high level of 3G coverage and a high grade of service to the Westergate area. In order to provide coverage at commercial and residential indoor levels, the populated areas should be coloured magenta and green respectively.

Plot ref. 50993 – Coverage from existing and planned sites without 55830 WESTERGATE STREET SW

The plot shows the coverage from existing and planned sites where planning permission has been approved or submitted. The coverage does not include cell 55830 WESTERGATE STREET SW or any sites where planning permission has not yet been submitted. The plot shows that the local area of Westergate is not adequately covered to commercial and residential indoor signal levels.

Plot ref. 50994 – Coverage from 55830 WESTERGATE STREET SW in isolation

The plot shows the coverage provided from cell 55830 WESTERGATE STREET SW in isolation at an assumed transmission height of 11m. The plot shows that the site provides commercial and residential indoor signal levels to the local area of Westergate.

Plot ref. 50995 – Coverage from 55830 WESTERGATE STREET SW and surrounding sites

The plot shows the coverage from 55830 WESTERGATE STREET SW and surrounding sites where planning permission has been approved or submitted. This plot shows the improvement in coverage that this site brings to the area of Westergate when compared to plot ref. 50993.

KEY TO COVERAGE PLOTS

3G stands for third generation mobile services and is also known as UMTS (Universal Mobile Telecommunications System). Analogue Mobile was the first generation of mobile communications (1G), and was soon followed by GSM (Global System for Mobile Communications) or 2G and GPRS (General Packet Radio Service) or 2.5G. UMTS represents an evolution from today's 'second generation', offering a platform for faster data speeds, therefore enabling more efficient services. The T-Mobile 3G network to be made available to customers will allow internet browsing, music, video, and a host of other services, to be delivered on demand to their mobiles.

The plots submitted are a geographical representation of the predicted service level coverage. This is a result of simulation software that predicts the coverage through advanced modelling and calculations. The main factors which affect the calculations are; the power and the frequency of the signal emitted, the height of the antenna, the topography and traffic forecast of the area and the ground clutter such as buildings. However, T-Mobile UK's predictor is unable to account for local tree heights and road/railway cuttings. These cause further attenuation of the signal.

Predicted Coverage Levels Shown On Plots

Coloured bands depict service levels. In the enclosed plot the colours represent different service levels as follows:



Sufficient signal strength to provide indoor service for Urban and Commercial level of coverage



Sufficient signal strength to provide indoor service for Suburban and Residential level of coverage



Sufficient signal strength to provide only Outdoor service. Outdoor level of coverage

Location of Existing and Planned Sites are Indicated by a Circle and Site Name



In-Service sites or sites where planning permission has been submitted/approved.



Nominal sites or planned sites where planning permission has not yet been submitted.

Nominal sites are ideal location where an area will be searched to find suitable sites. It does not indicate a definite location where a site will be built. A planned site however, already has its exact location identified.

Existing and Planned Sites shown on Plots

Cell Id	Northing	Easting	Site Name	Notes
55781	106580	496785	HOOE FARM UNITS	Planning permission approved.
55830	104870	493850	WESTERGATE STREET SW	Site being justified in these plots.
91406	104370	495650	BARNHAM STATION	Planning permission approved.
91962	107131	494614	VODAFONE FONTWELL	Planning permission approved.

3G COVERAGE

T-Mobile Plot Ref: 50993

Cell 55830

Coverage from existing and planned sites in the area excluding the proposed cell 55830 WESTERGATE STREET

LEGEND



Urban and Commercial level of coverage



Suburban and Residential level of coverage



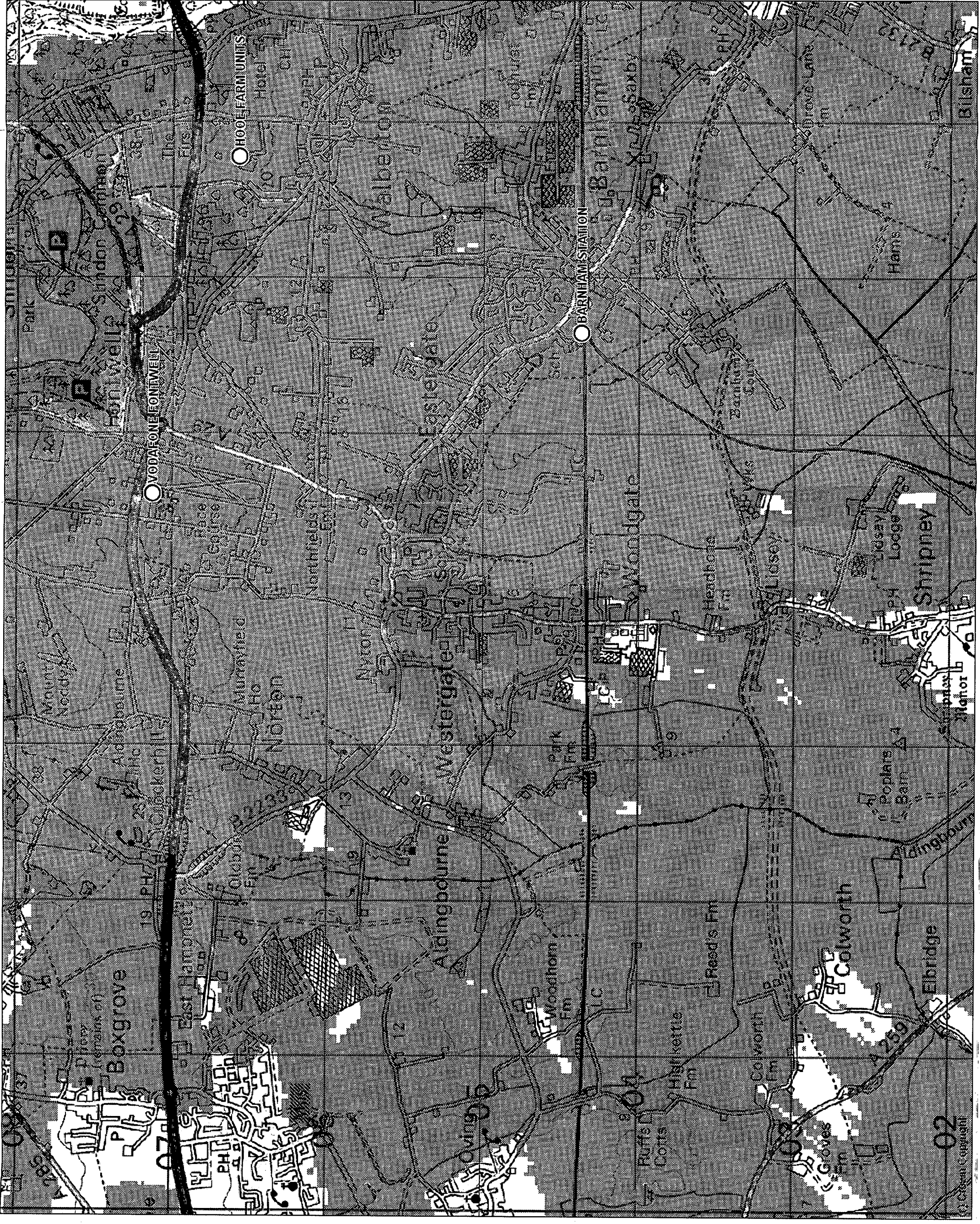
Outdoor level of coverage



In-service sites or sites where planning permission has been submitted/approved



Nominal sites or planned sites where planning permission has not yet been submitted



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3G COVERAGE

T-Mobile Plot Ref: 50995

Cell 55830

Coverage from existing and planned sites in the area including the proposed cell 55830 WESTERGATE STREET SW.

LEGEND



Urban and Commercial level of coverage.



Suburban and Residential level of coverage.



Outdoor level of coverage.



In-service sites or sites where planning permission has been submitted/approved.



Nominal sites or planned sites where planning permission has not yet been submitted.



3G COVERAGE

T-Mobile Plot Ref: 50994

Cell 55830

Coverage from the proposed cell
55830 WESTERGATE STREET
SW in isolation.

LEGEND



Urban and Commercial
level of coverage.



Suburban and
Residential level of
coverage.



Outdoor level of
coverage.



In-service sites or sites
where planning
permission has been
submitted/approved.



Nominal sites or
planned sites where
planning permission
has not yet been
submitted.

