ACOUSTICIAN AND DESIGN CONSULTANT

HARTEGRIN

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CONTRACTOR

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SITE BLOCK PLAN - Digital mapping supplied from Streetmaster

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LOCATION PLAN - Digital mapping supplied from Dotted eye.

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3.	
2.	
1.	

IF NO DETAIL THE EXCEPTIONS BELOW :

DOES THIS SITE DESIGN CONFORM TO THE FOLLOWING OPCS DOCUMENTS :	YES	NO
HAUN 168 Vol 2.7.1 & SPEC S23 Vol 1.3	X	.

OTHER RELEVANT DRAWINGS
THIS DRAWING TO BE READ IN CONJUNCTION WITH
ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.

WHEN PRINTED AT A3 SCALE AS SHOWN	DATE	23.11.06	DATE	23.11.06	HDK105-06-2112
	DRAWN	BA	CHECKED	SN	THIRD PARTY REF.

DRAWING NUMBER
WS0012 G \ 10 \ A

OS REF.
ES21062 N104880

TITLE
OPCS REF : WS0012
PLANNING DRAWING
BT5
BRIGHTON ROAD 5

REV	DESCRIPTION	BY	DATE
A	FIRST ISSUE	BA	23.11.06

orange
Brunel Drive
Almondsbury Park
Bradley Stoke
Bristol BS32 4QN
Tel 01454 854800
Fax 01454 818201

REV	DRG NO	DRG TYPE	OPT LETTER
A	10	GA	G

SITE ADDRESS
HIGHWAYS LAND OFF
BRIGHTON ROAD
SHOREHAM BY SEA
BN43 5YB

Red	—	Proposed site boundary
Yellow	—	Proposed cable routes
Blue	—	Access routes
Green	—	Proposed Orange installation
Black	—	Text and external boundary, structures, trees, Orange cabinet and other Operator equipment

scale colour of Orange equipment)
COLOUR CHART (represents proposed work and not the

compliance for Public Access.
This site has been designed to ICNIRP


ELEVATION A PHOTOGRAPH
PROPOSED SITE LOCATION


ELEVATION B PHOTOGRAPH
PROPOSED SITE LOCATION

OPCS EQUIPMENT SCHEDULE

NO	TYPE	SIZE (mm) (H) x (W) x (D)
1	NODE B	1200 x 1200 x 300
2	MINI MTC	1200 x 700 x 300
3	MINI ULTRAMAST	1200 x 700 x 300
4	DBFEEDS	1400 x 600 x 300
5	FEEDER METAL	820 x 280 x 330

OPCS ANTENNA KEY OPCS ANTENNA KEY

ITEM	ANTENNA REF.	FUNCTION	ANTENNA MAKE	ANTENNA TYPE	AZIMUTH (DEG)	HEIGHT TO TOP (AGL)	ANTENNA QTY	FEEDER TYPE	FEEDER LENGTH	FEEDERS QTY
1	A1	TX/RX	ALU4006B	0.	11.8m	-	FD4/7-20	18m	3	
2	B1	TX/RX	ALU4006B	120.	11.8m	-	FD4/7-20	18m	3	
3	C1	TX/RX	ALU4006B	240.	11.8m	-	FD4/7-20	18m	3	

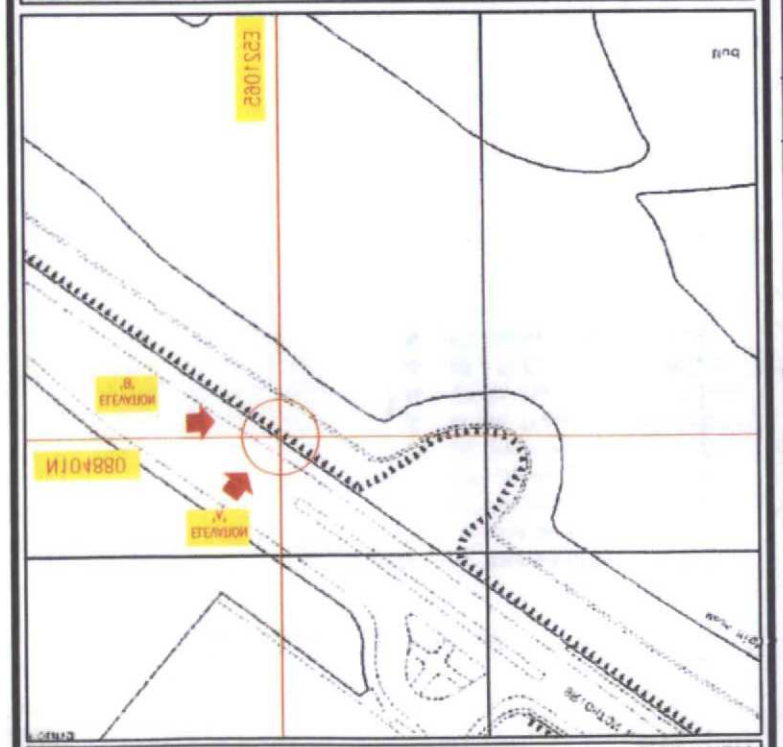
NOTE: INFORMATION HERE ON AND TAKES PRECEDENCE OVER VALUES AND SCHEDULES SHOWN



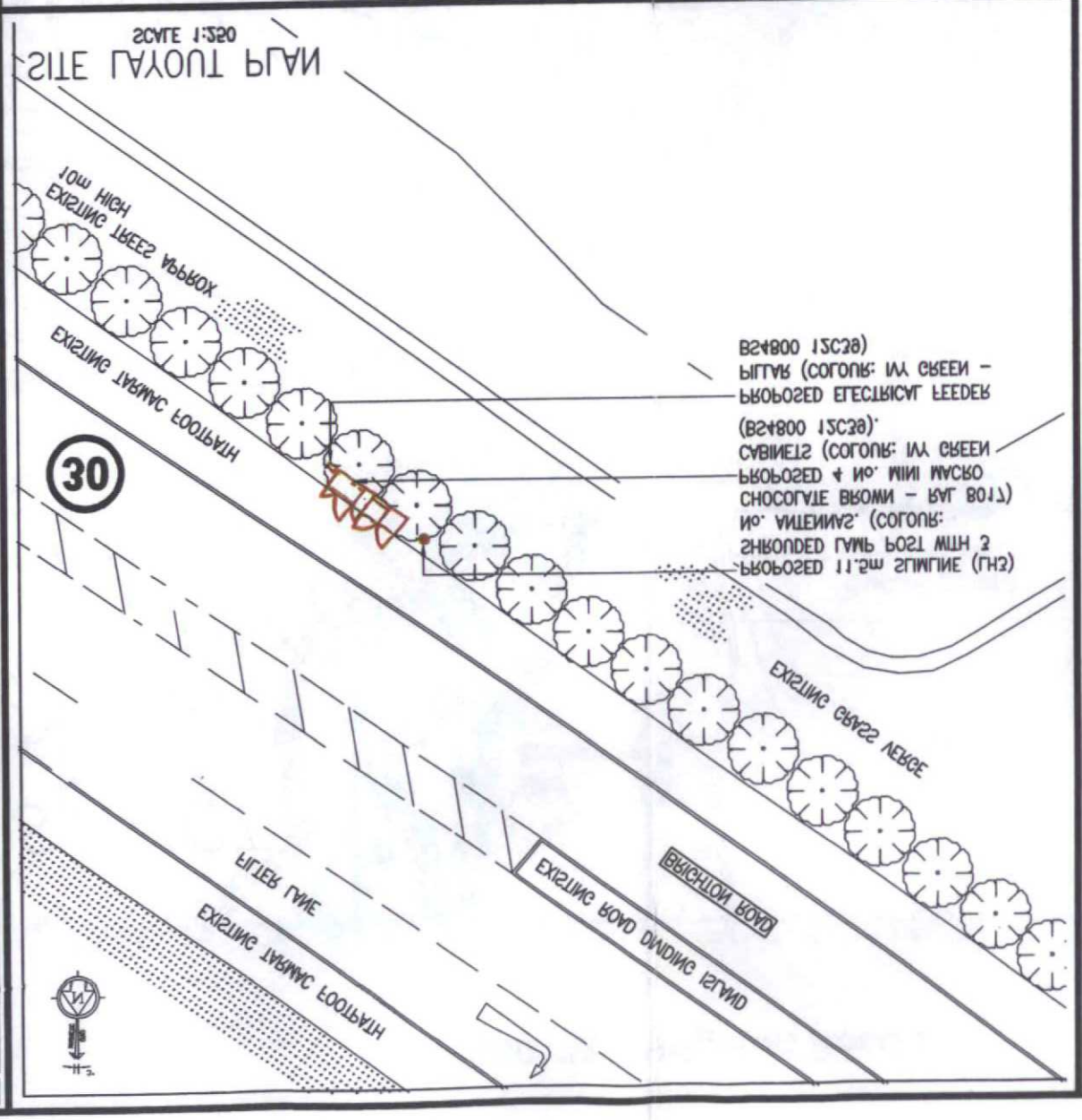
LOCATION PLAN

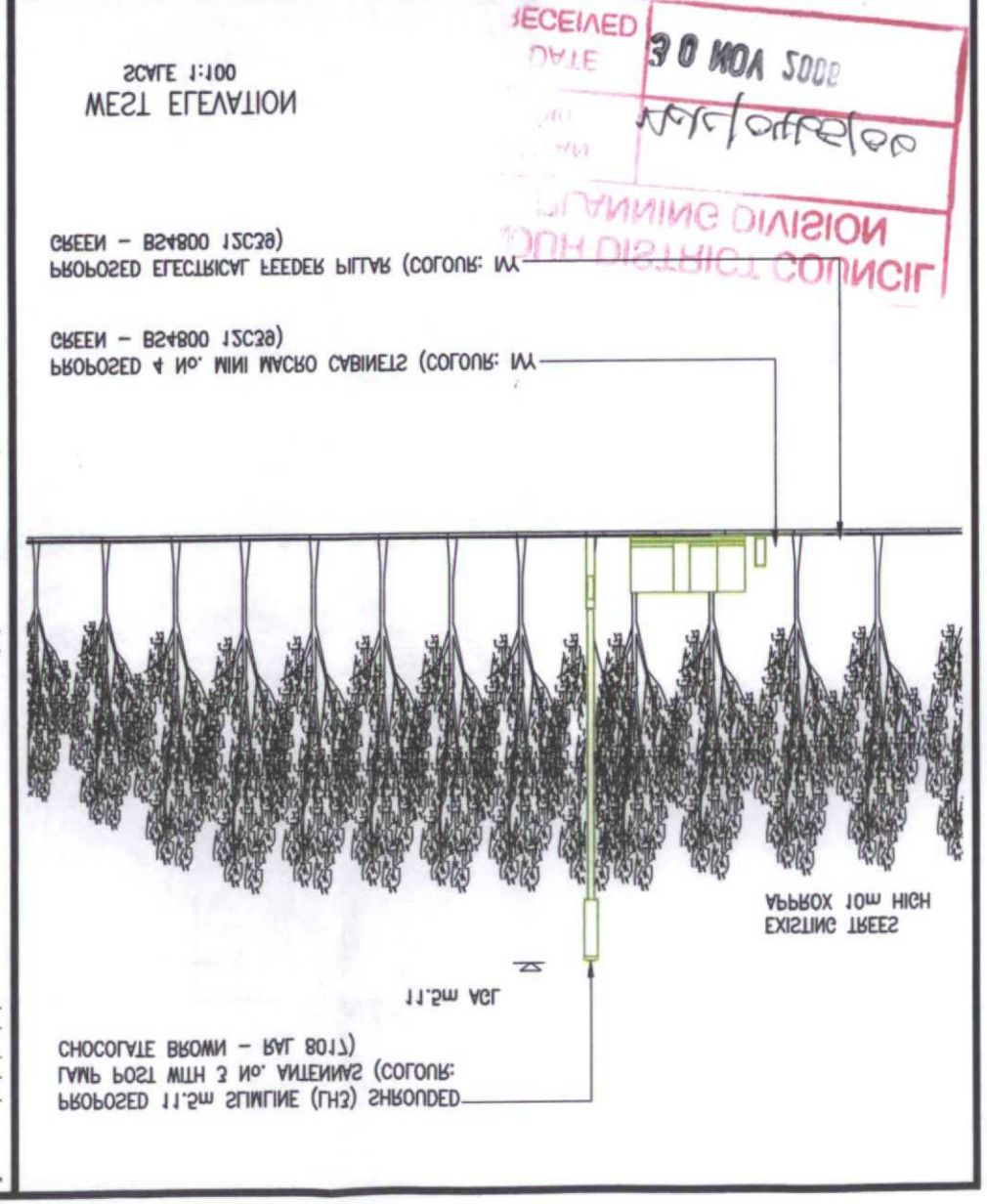
DIRECTIONS TO SITE

FROM THE SITE IS ON YOUR LEFT ON THE GRASS VERGE OPPOSITE THE CAR PARK.
ROUNDABOUT TAKE THE SECOND EXIT ACROSS THE RIVER ADUR BY THE NORFOLK BRIDGE. AFTER APPROX
HOVE\SHOREHAM TAKE THE A283 TURNING OFF THE A27 INTO SHOREHAM STREET. AT THE NEXT MAJOR
JUNCTION OF BRIGHTON VALE REACHED AND THE JUNCTION FOR THE A27. GO WEST BOUND TOWARDS
HEAD ONTO THE A23 AND GO SOUTH ONTO THE A2Z. STAY ON THE A2 PART BURGESS HILL UNTIL THE



SITE BLOCK PLAN

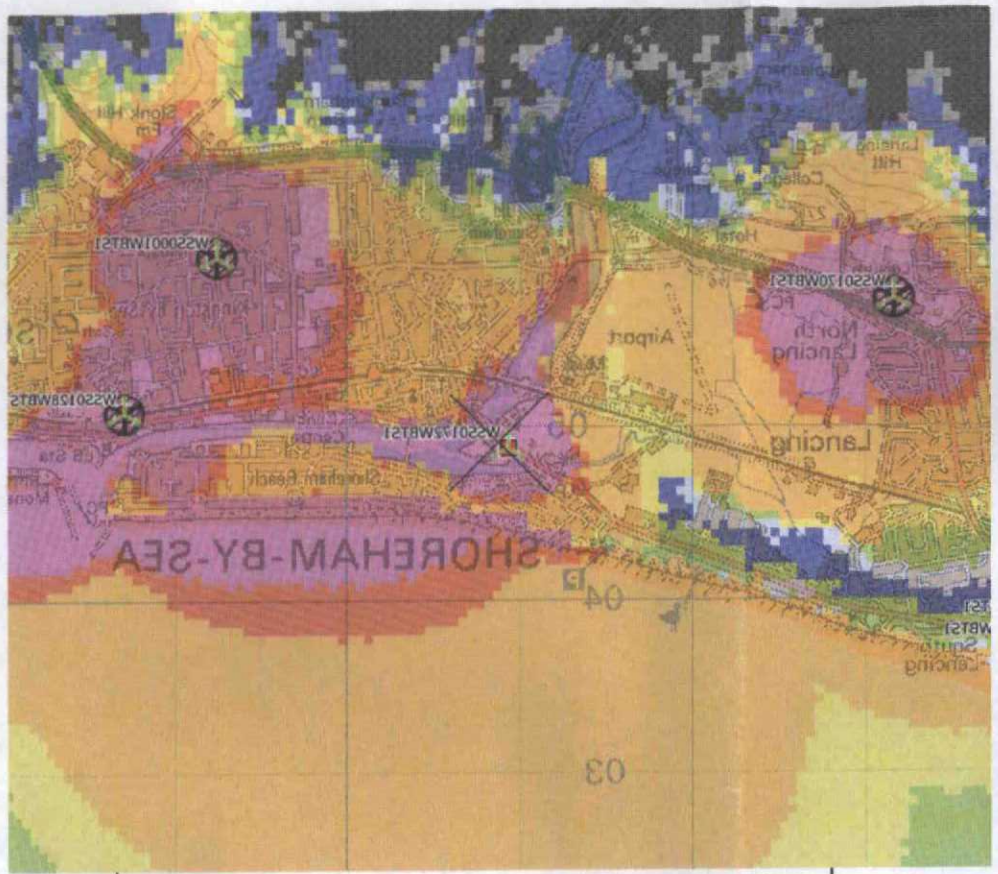




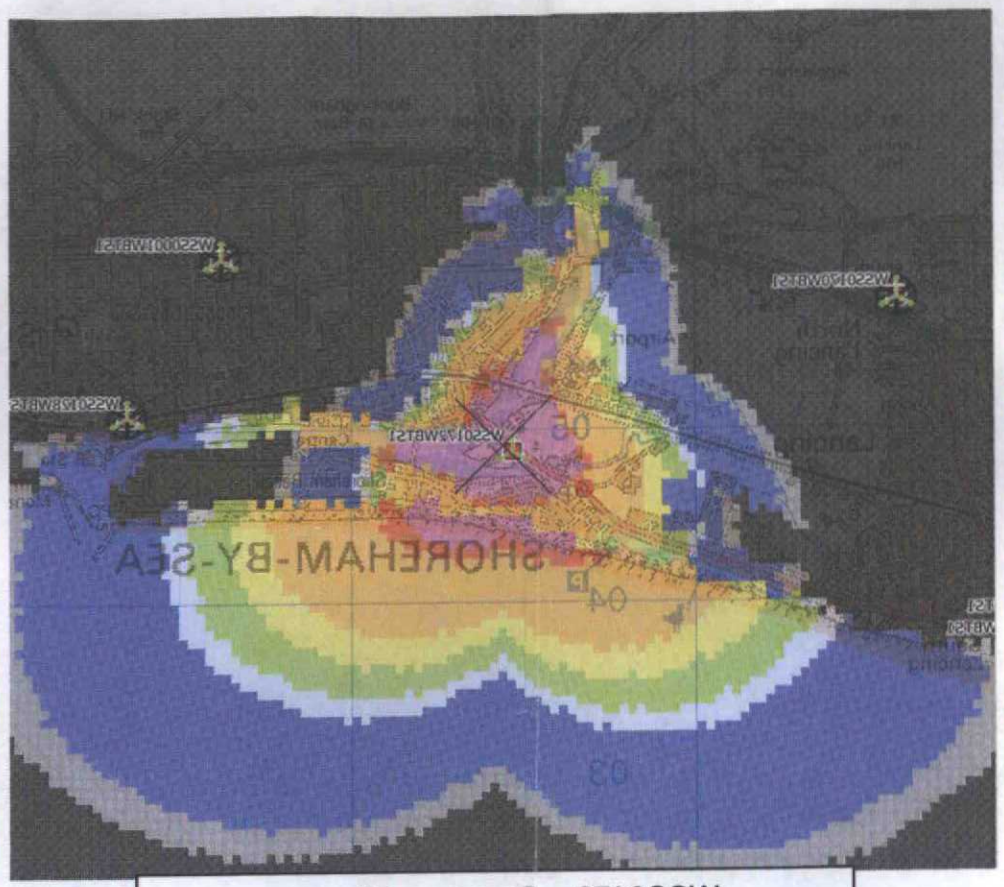
RECEIVED
DATE 30 NOV 2006
PLANNING DIVISION
SOUTH DISTRICT COUNCIL

WSS0172 – Brighton Road 2

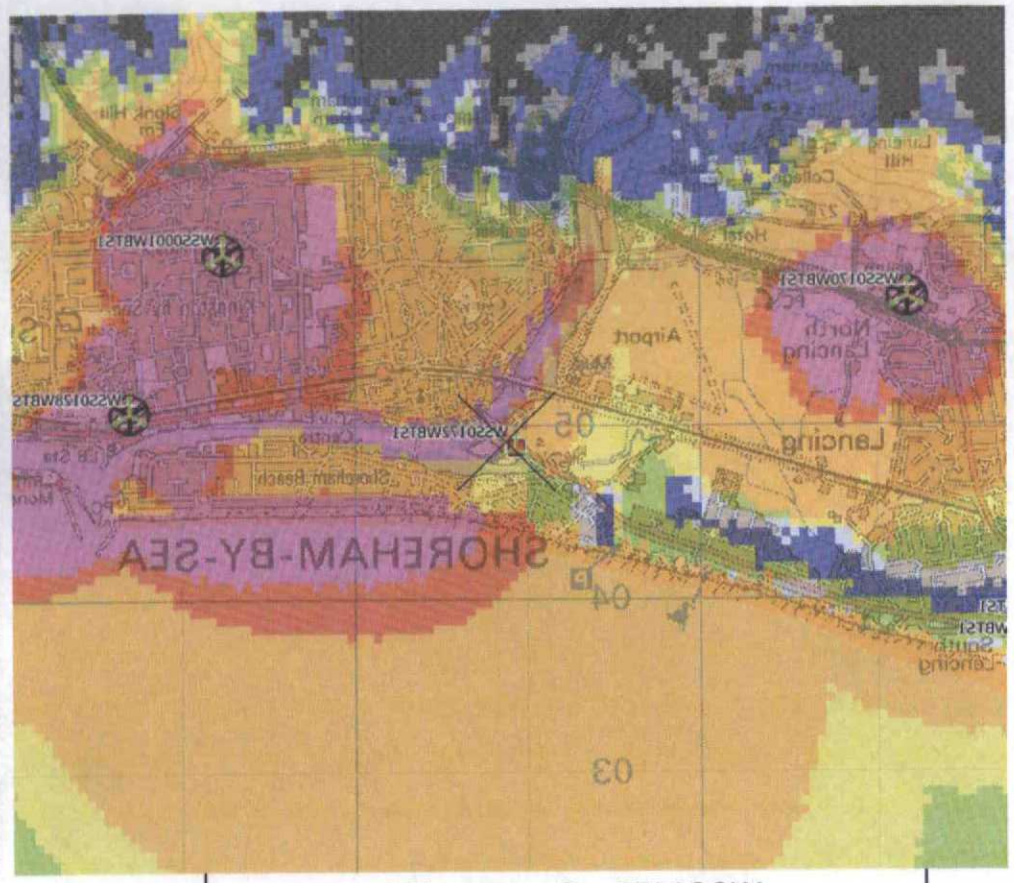
Predicted 3G Coverage



WSS0172 – Coverage with all sites operational



WSS0172 – Coverage Site only



WSS0172 – Coverage Hole

Orange 3G Coverage

- -71 >Dense Urban (384/128k)
- -73 >Dense Urban (128/64k)
- -81 > Urban (384/128k)
- -83 > Urban (128/64k)
- -85 >In Train (384/128k)
- -88 >In Train (128/64k)
- -91 >In Car (384/128k)
- -92 > In Car (128/64k)
- Not Acceptable Coverage

ADUR DISTRICT COUNCIL
PLANNING DIVISION

PLAN No.	Adur/OUT/06
DATE RECEIVED	30 NOV 2006

Justification:

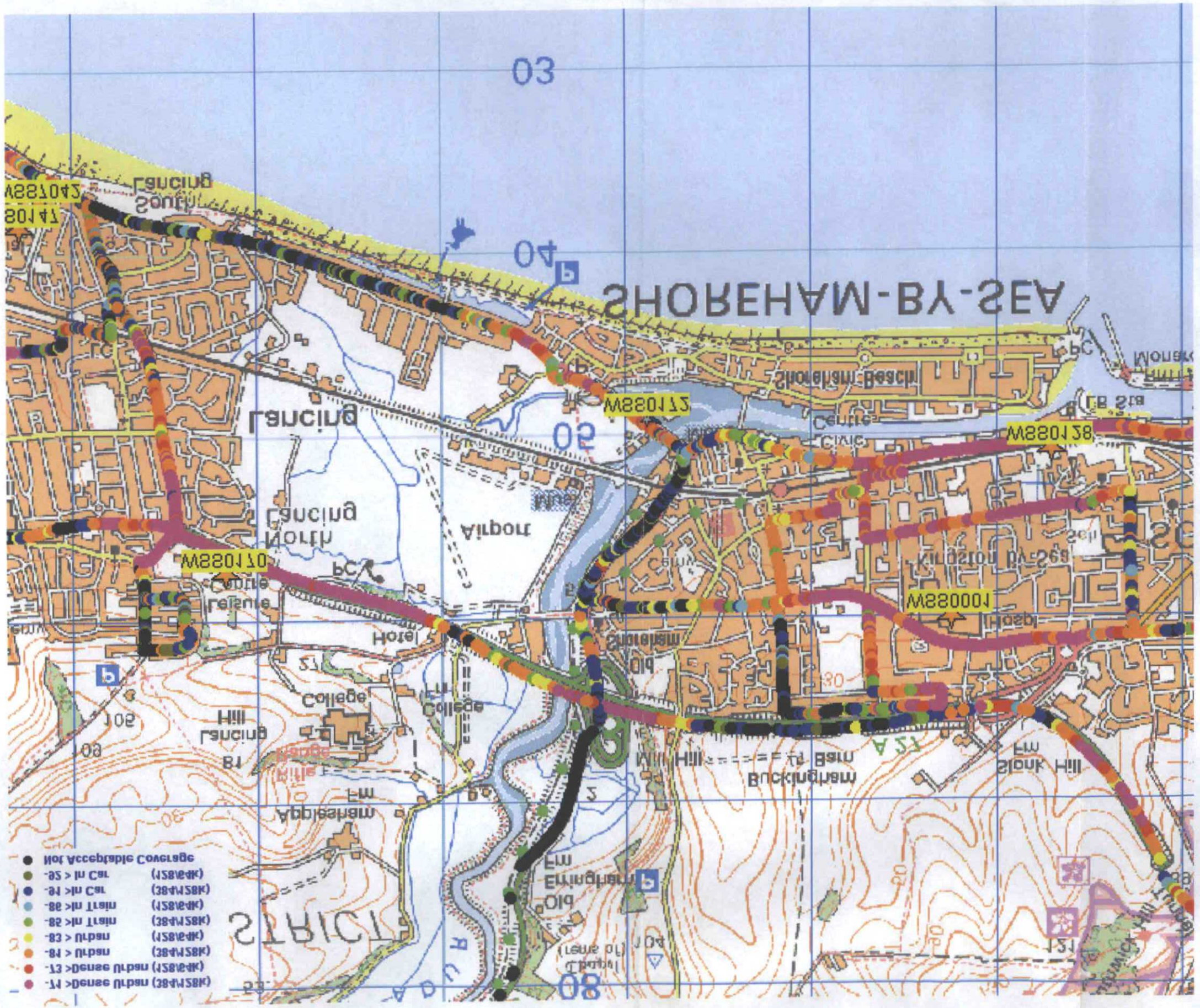
Orange requires this site in order to provide coverage into this Urban/Suburban area to a level of -81dBm or better for 3G. This level of coverage will ensure that Orange customers now and in the future can use the 3G services which Orange wish to offer.

It can be clearly seen from the existing coverage drive that the entire area is well below the -81dBm level required. The site is required to provide coverage to Shoreham High street and to the property along the Old Shoreham road and the Brighton Road. This site is required to provide coverage to the new developments along the Old Shoreham road which are not covered by any existing Orange sites. Nor can the area be covered by upgrading any existing Orange sites. The existing coverage level in this area is at a level of -91dBm some 10 dBm below the required level. This is significantly below the level required and as such it means that Orange is not providing a suitable level of service.

The predictive coverage shown is over predictive. As such you can see that the existing coverage and the predicted coverage are very different. The predicted coverage does not take actual buildings and vegetation into account and in this type or semi rural environment. These buildings and vegetation have the effect of blocking the coverage we would expect the coverage to be worse, this is shown in the actual coverage drive, as such in order to provide continuous coverage for the Orange customers within the area additional sites are required. Orange have proposed a streetworks style site in an effort to match the existing operational communications streetworks site already within the area.

COMPANY CONFIDENTIAL

COMPANY CONFIDENTIAL



Existing 3G Coverage Drive

WSS0172 – Brighton Road 2

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