

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

IN RE: :
: :
APPLICATION OF MCF COMMUNICATIONS : DOCKET NO. 323
bg, INC. FOR A CERTIFICATE OF :
ENVIRONMENTAL COMPATIBILITY AND :
PUBLIC NEED FOR THE CONSTRUCTION, :
MAINTENANCE AND OPERATION OF A :
TELECOMMUNICATIONS FACILITY AT 12 :
CARPENTER ROAD, BOLTON, :
CONNECTICUT : MARCH 7, 2007

RESPONSES OF CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS
TO CONNECTICUT SITING COUNCIL PRE-HEARING INTERROGATORIES (SET 2)

On February 27, 2007, the Connecticut Siting Council (“Council”) issued Pre-Hearing Interrogatories Set Two to Intervenor, Cellco Partnership d/b/a Verizon Wireless (“Cellco”), relating to the above-captioned docket. Below are Cellco’s responses.

Question No. 12

Provide isolated radio frequency propagation plots for each of the alternative sites shown in Council Exhibit 1, at Verizon’s minimum signal level threshold and at a scale of 1:50,000. Please provide separate plots for cellular and PCS frequencies.

Question No. 13

At what height at each of the potential sites on Council Exhibit 1 would Verizon provide adequate coverage to the target area in Bolton?

Response to Question Nos. 12 and 13:

Attached behind Tab 1 of these responses are two coverage plots showing Cellco’s existing PCS and cellular coverage in the Manchester/Bolton area. These plots include coverage

that Cellco expects to receive by co-locating antennas on an existing Town of Manchester Police Department tower. This site is identified as the “Manchester Green” site. Using these plots as a base map of existing service, Cellco RF engineers analyzed the alternative sites presented in Council Exhibit No. 1. Please note that the alternative sites identified as the Birch Mountain Water Tank is Cellco’s existing Manchester 4 cell site shown on the base map of existing coverage.

Behind Tab 2 are updated PCS and cellular coverage plots showing existing coverage, with Manchester Green and the proposed MCF tower with Cellco antennas at the 140-foot level as proposed in Docket No. 323.

Liberty Candle

Cellco would need a PCS antenna height in excess of 200 feet above ground level (“AGL”) at this site to provide coverage comparable to that which it would receive from the proposed MCF tower at 140 feet. Attached behind Tab 3 are coverage plots for PCS and cellular service from the Liberty Candle site at 199 feet. Even at 199 feet, PCS coverage gaps remain along Route 6 and I-384.

Box Mountain

Cellco would need a PCS antenna height in excess of 200 feet AGL at this site to provide coverage comparable to that which it receives from the proposed MCF tower at 140 feet.

Attached behind Tab 4 are coverage plots for PCS and cellular service from the Box Mountain site at 199 feet. Even at 199 feet, significant PCS coverage gaps remain along Route 6 and I-384.

Bolton Quarry – Talbot

Cellco would need a PCS antenna height in excess of 200 feet AGL at this site to provide coverage comparable to that which it receives from the MCF tower at 140 feet. Attached behind

Tab 5 are coverage plots for PCS and cellular service from the Quarry/Talbot site at 199 feet. Even at 199 feet, significant PCS coverage gaps would remain along Route 6 and I-384 and a 0.35 mile cellular coverage gap remains along Route 6.

Bolton Quarry – Wall Street

Cellco would need a PCS antenna height in excess of 200 feet AGL at this site to provide coverage comparable to that which it receives from the MCF tower at 140 feet. Attached behind Tab 6 are coverage plots for PCS and cellular service from the Quarry/Wall Street site at 199 feet. Like the Quarry/Talbot site, even at 199 feet AGL, significant PCS coverage gaps would remain along Route 6 and I-384 and a 0.31 mile coverage gap remains along Route 6.

DOT Garage

Cellco would need a PCS antenna height in excess of 200 feet AGL at this site to provide coverage comparable to that which it receives from the MCF tower at 140 feet. Attached to Tab 7 are coverage plots for PCS and cellular service from the DOT site at 199 feet. Even at 199 feet, significant PCS coverage gaps would remain along Route 6 and I-384.

Paggioli Farm

Cellco would need a PCS antenna height well in excess of 200 feet at this site to provide coverage comparable to that which it receives from the MCF tower at 140 feet. Attached behind Tab 8 are coverage plots for PCS and cellular service from the Paggioli Farm at 199 feet. This site provides redundant coverage to that which Cellco receives from its Manchester 4 cell site. This site provides no coverage along Route 6 and very limited coverage along I-384.

Rockledge Water Tanks

Cellco would need a PCS antenna height in excess of 200 feet at this site to provide coverage comparable to that which it receives from the MCF tower at 140 feet. Attached behind

Tab 9 are PCS and cellular coverage plots for the Rockledge site at 199 feet. Even at 199 feet, significant coverage gaps would remain along Route 6 and I-384.

Question No. 14

Would a combination of any two potential sites on Council Exhibit 1 eliminate Verizon's need for the proposed site?

Response:

Based on the information developed in response to Question Nos. 12 and 13 above, a combination of the Liberty Candle or the DOT site together with the Rockledge Water Tank site may offer the best opportunity to provide coverage comparable to the MCF tower.

CERTIFICATE OF SERVICE

I hereby certify that on the 7th day of March, 2007, a copy of the foregoing was mailed,

postage prepaid, to:

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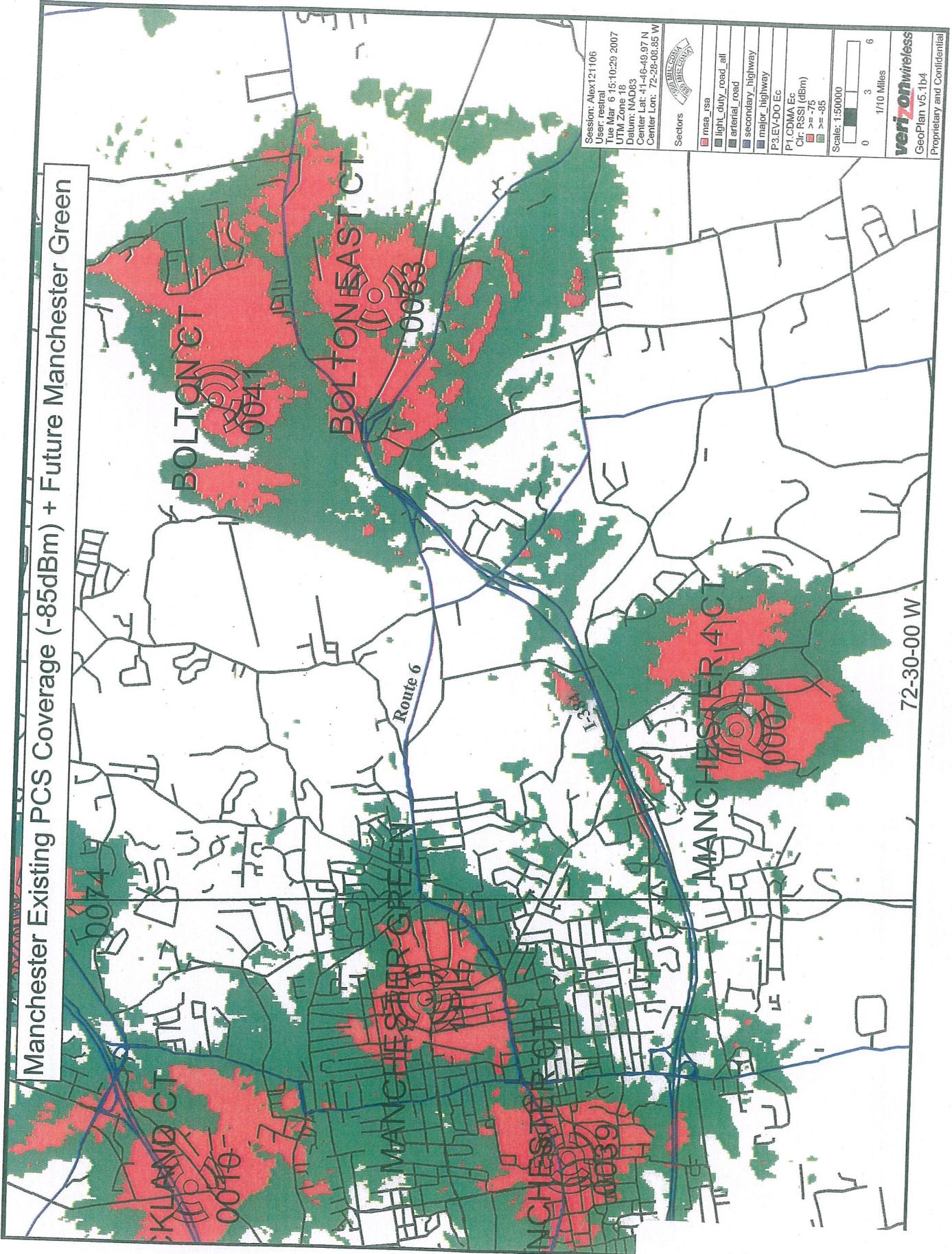
Cuddy & Feder LLP

445 Hamilton Avenue, 14th Floor

White Plains, NY 10601

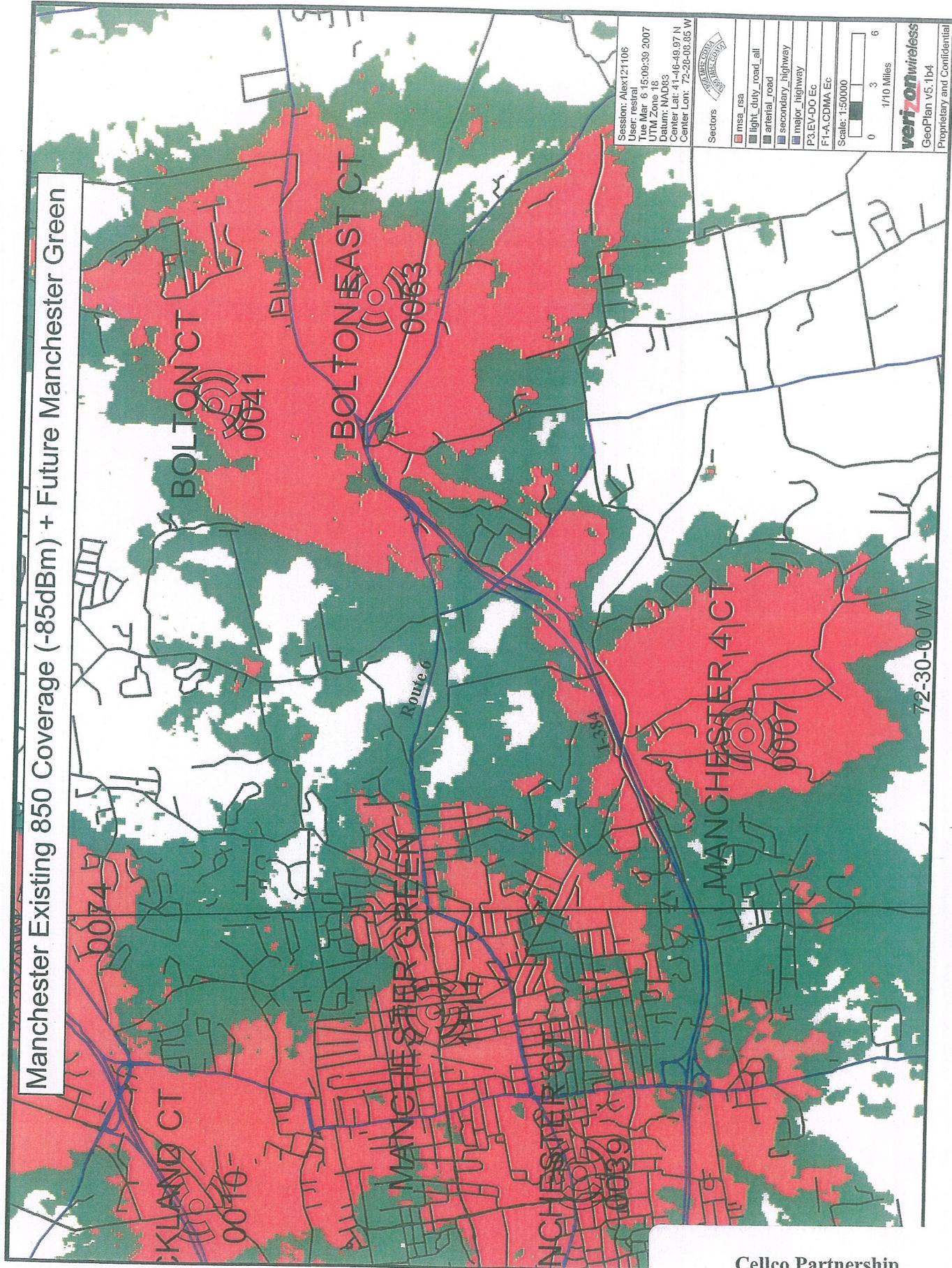


Kenneth C. Baldwin

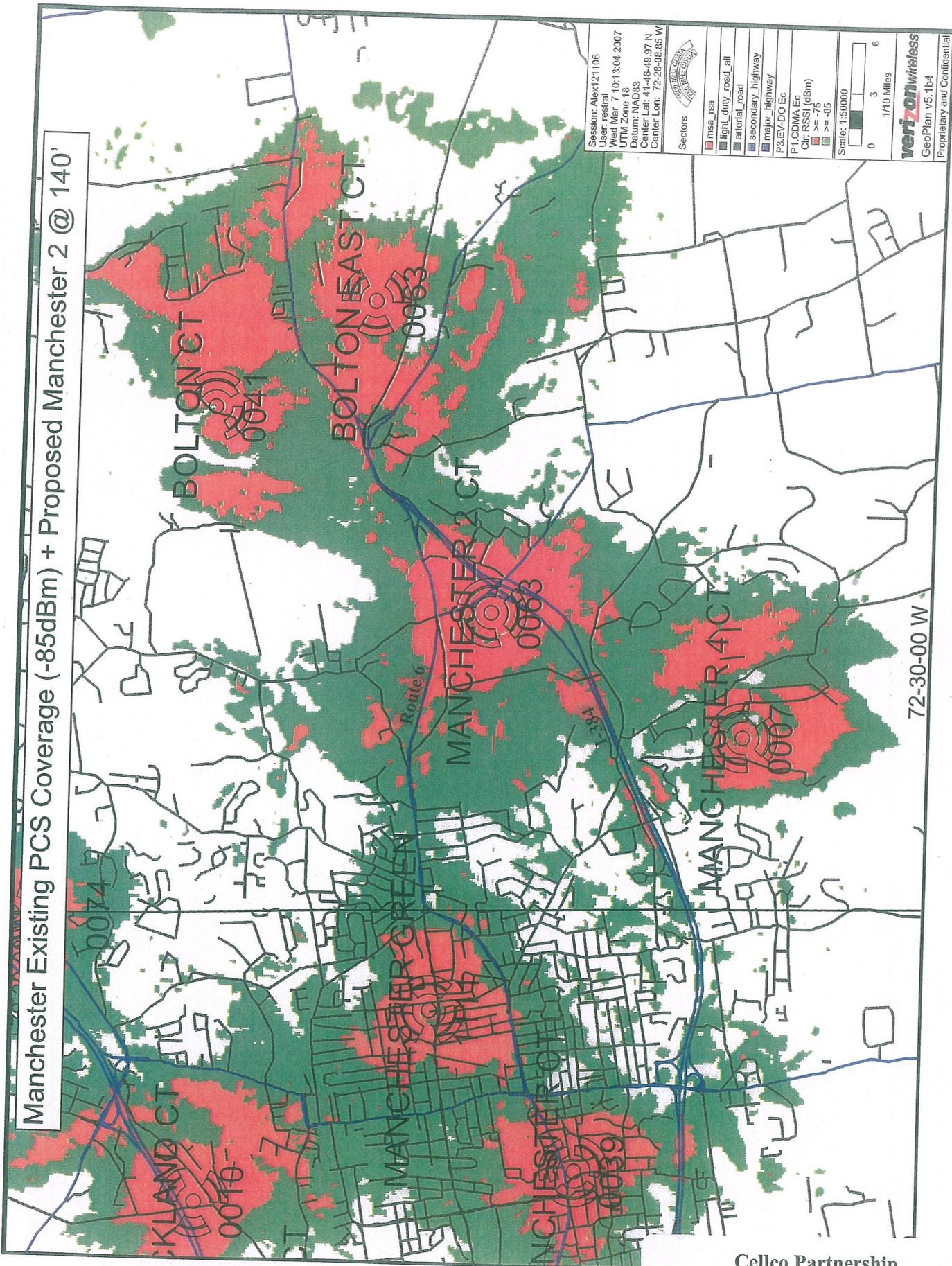


Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green facility

Manchester Existing 850 Coverage (-85dBm) + Future Manchester Green

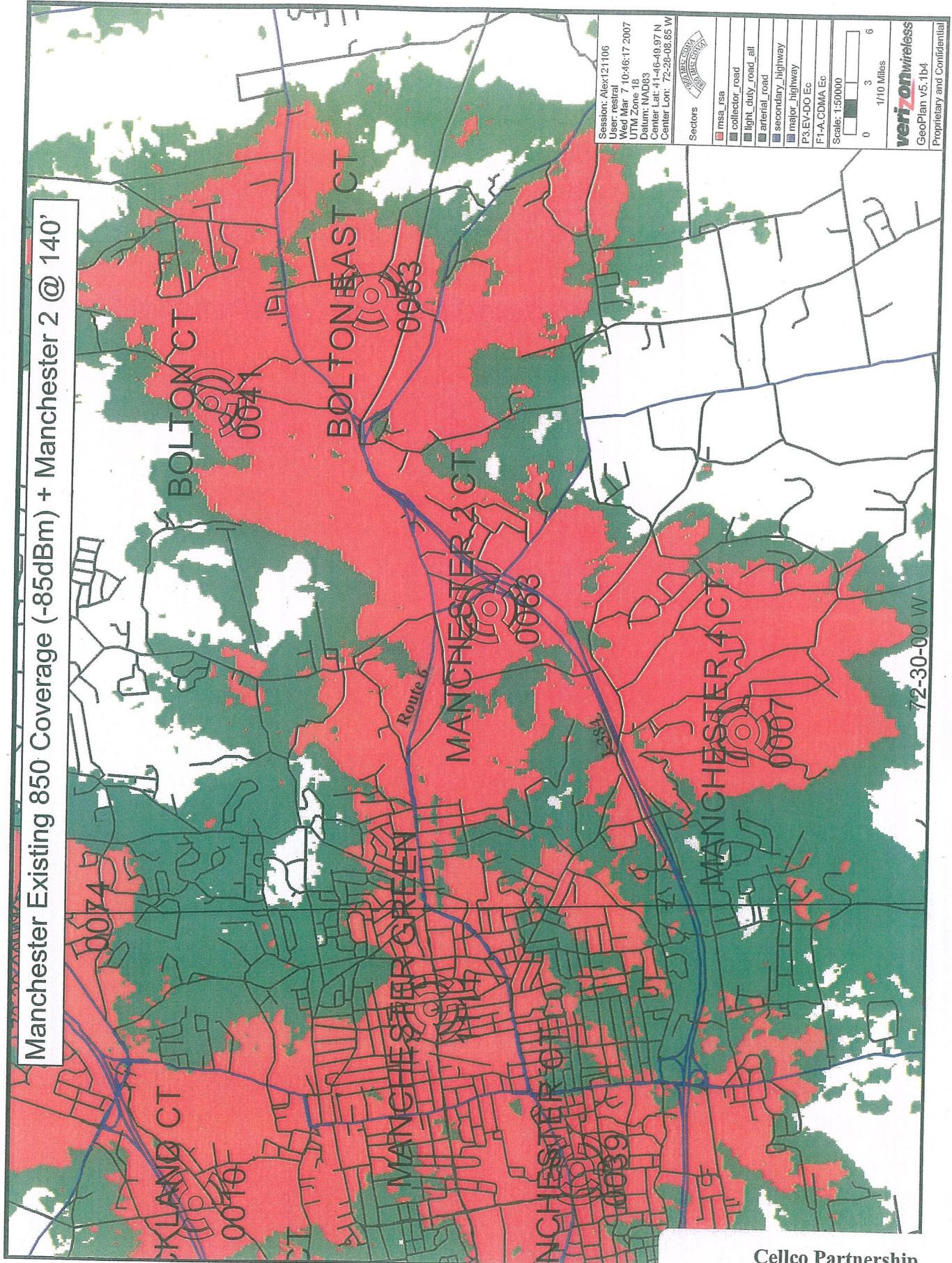


Cellco Partnership
Existing Cellular Coverage with
planned Manchester Green facility



Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and proposed
 MCF tower

Manchester Existing 850 Coverage (-85dBm) + Manchester 2 @ 140'

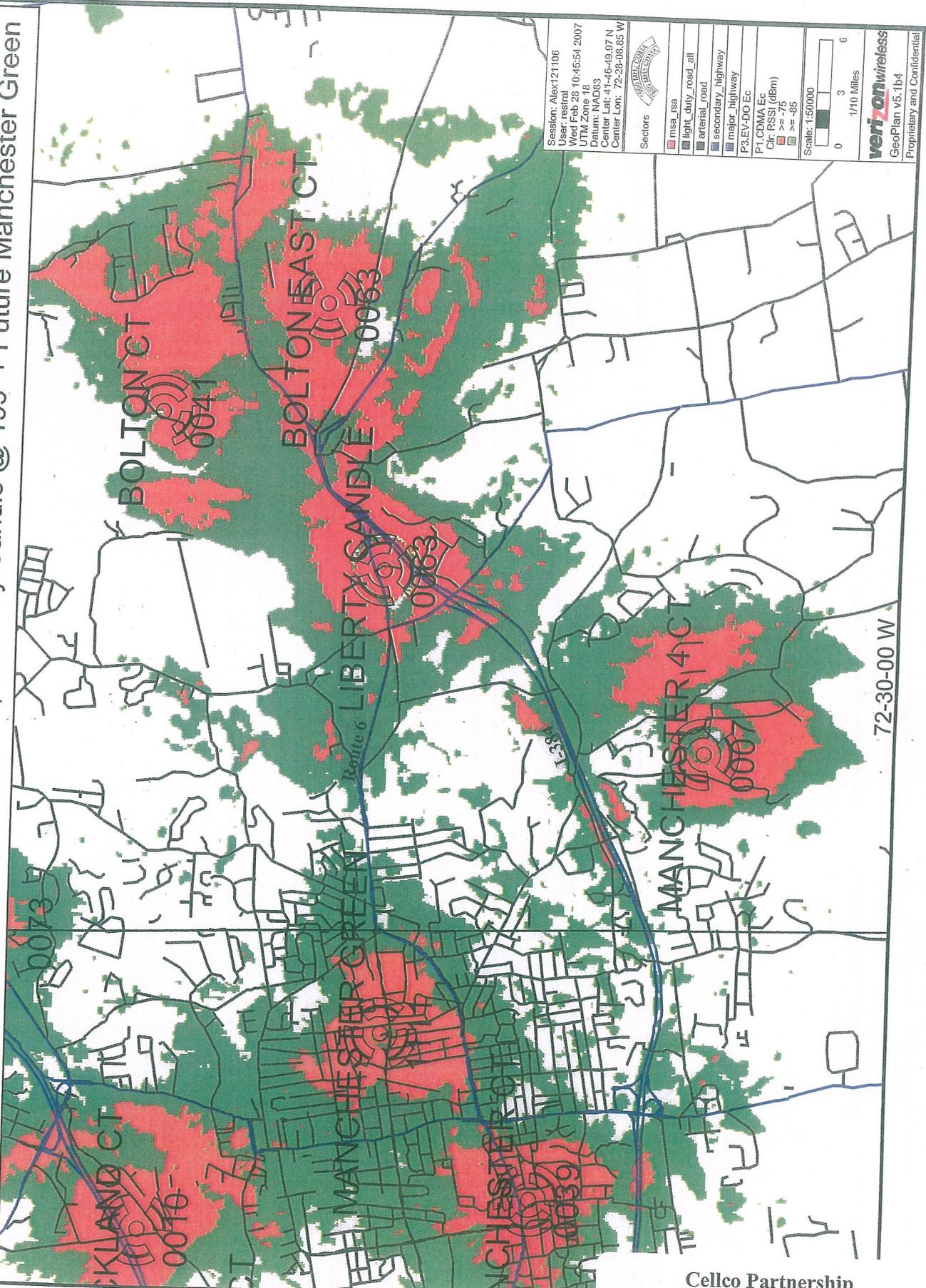


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verizonwireless
 GeoPlan v5.1b4
 Proprietary and Confidential

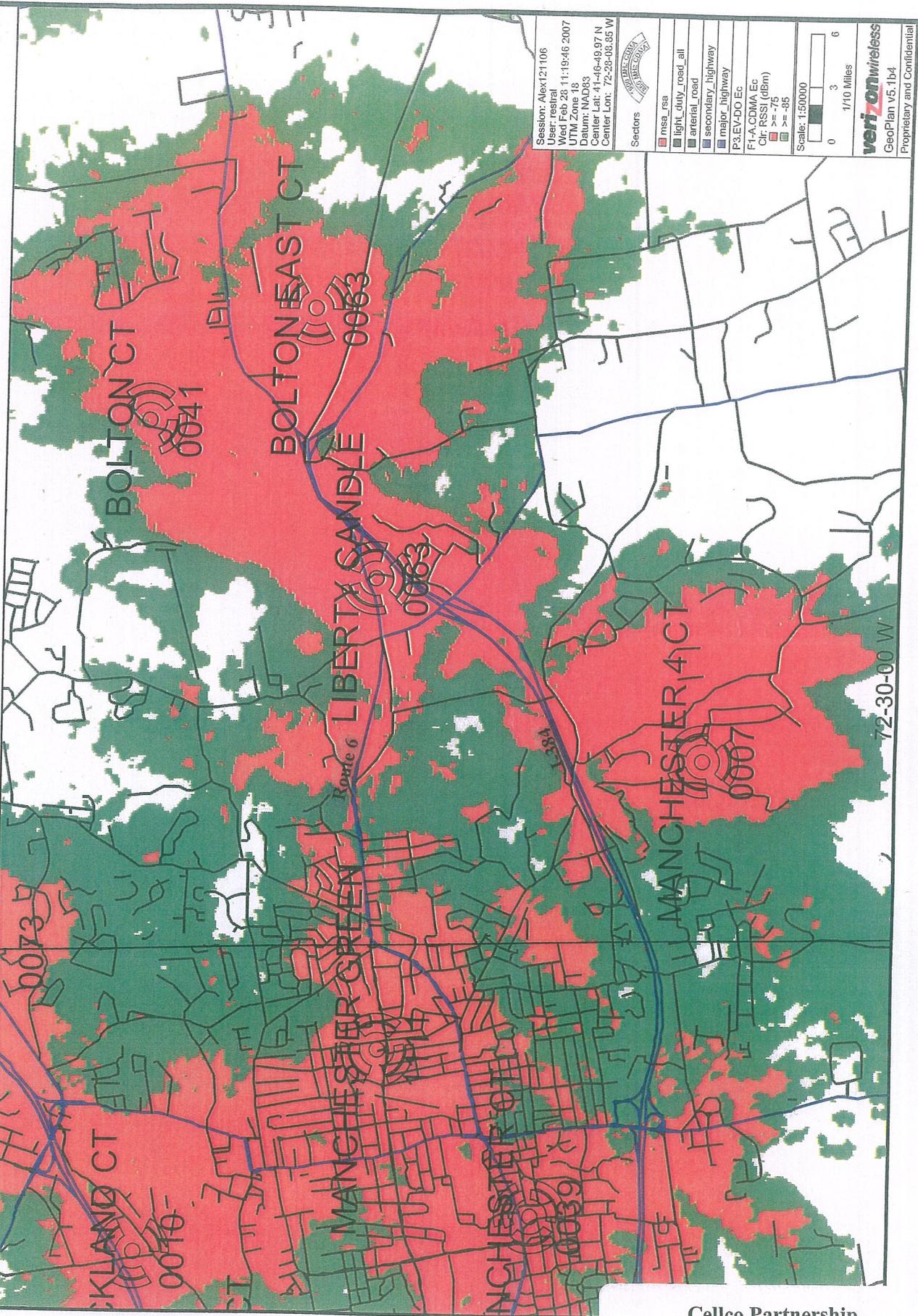
Celco Partnership
 Existing Cellular Coverage with
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Manchester Existing PCS Coverage (-85dBm) + Liberty Candle @ 199' + Future Manchester Green



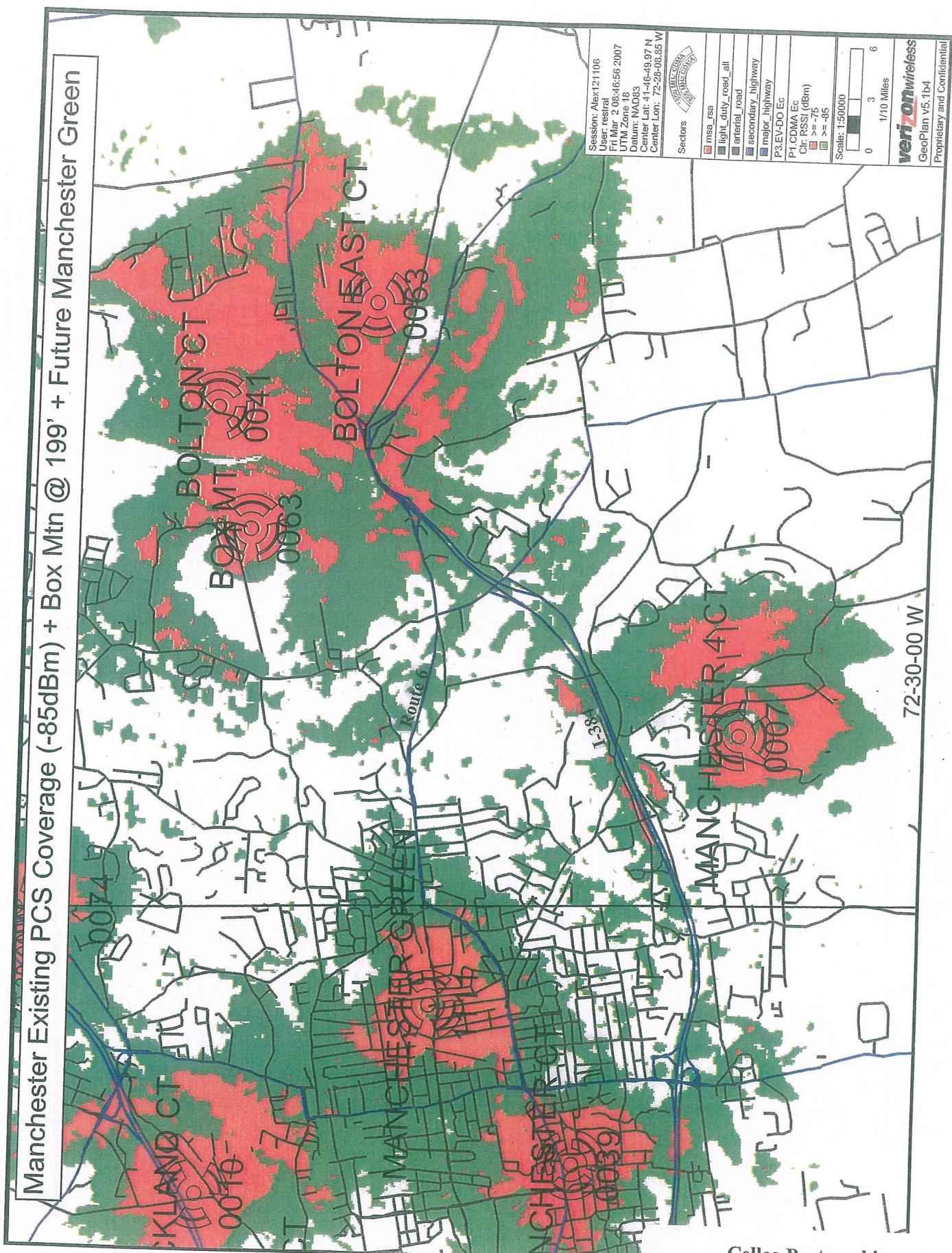
Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and Liberty
 Candle at 199 feet

Manchester Existing 850 Mhz Coverage (-85dBm) + Liberty Candle @ 199' + Future Manchester Greer



Cellco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and
 Liberty Candle at 199 feet

Manchester Existing PCS Coverage (-85dBm) + Box Mtn @ 199' + Future Manchester Green



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Sectors

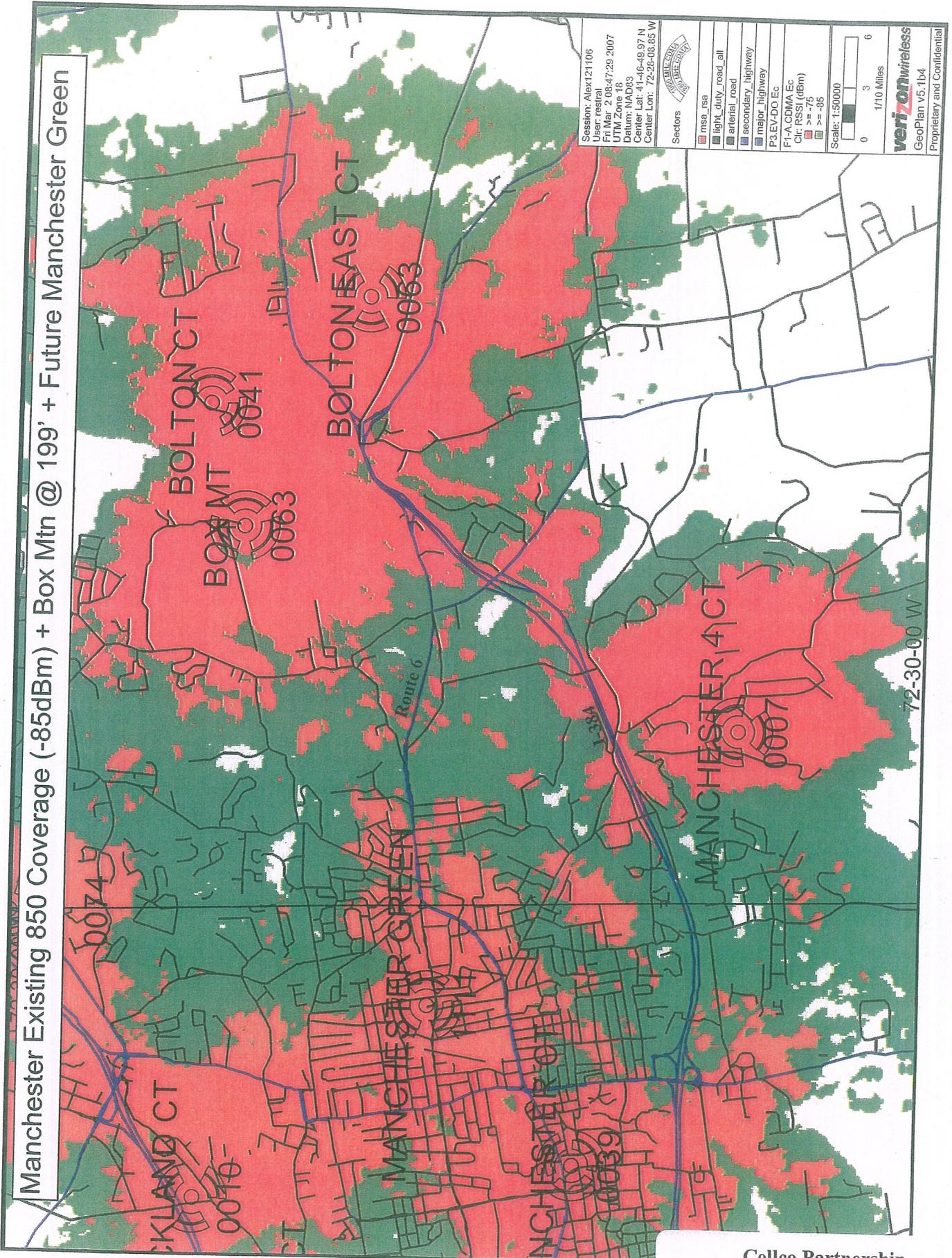
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- light_duty_road_all
- arterial_road
- secondary_highway
- major_highway
- P3.EV-DO Ec
- P1 CDMA Ec
- Ch: RSSI (dbm)
- >= -75
- >= -85

Scale: 1:50000
 0 3 6
 1/10 Miles

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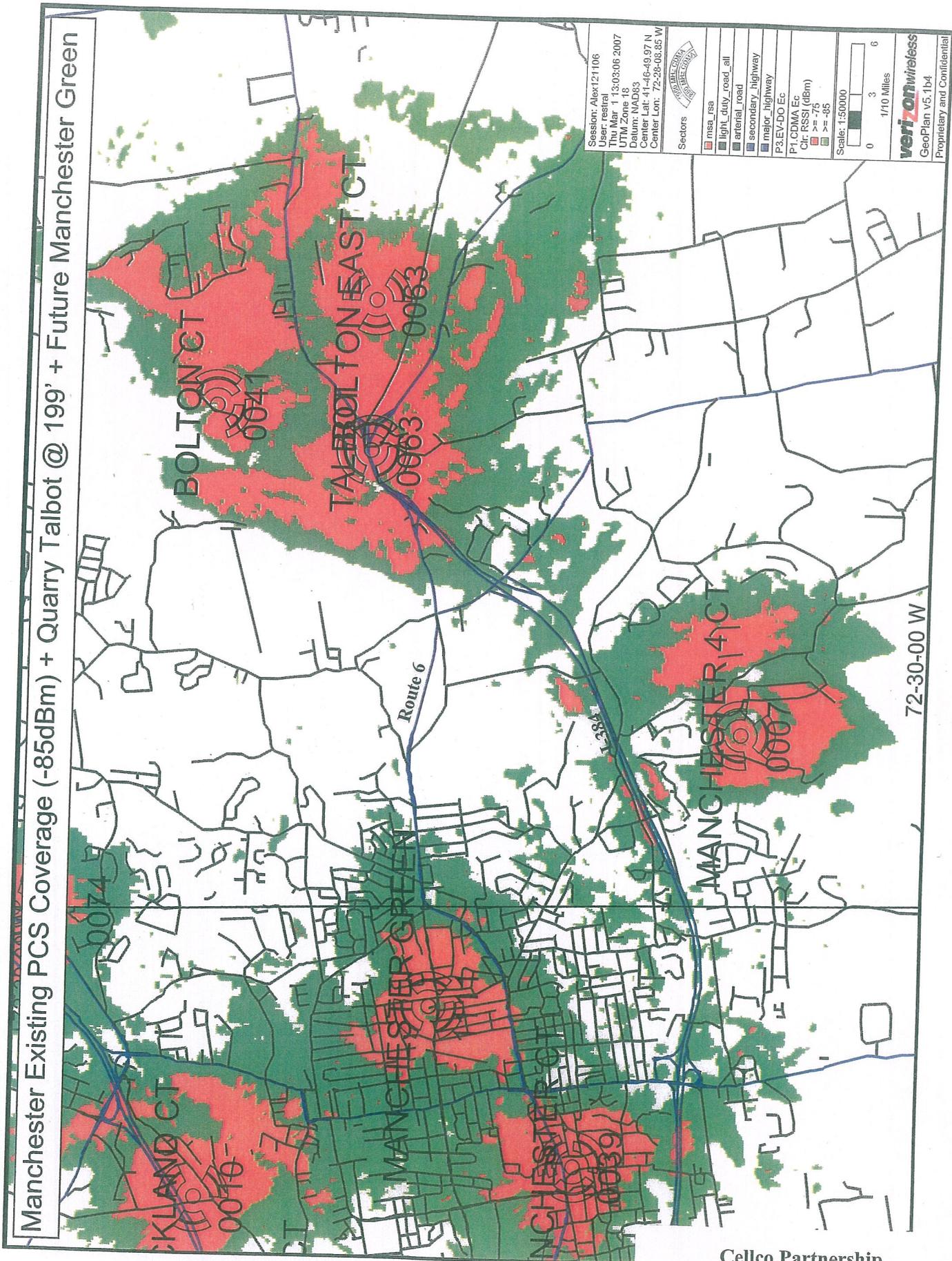
Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and Box
 Mountain at 199 feet

Manchester Existing 850 Coverage (-85dBm) + Box Mtn @ 199' + Future Manchester Green



Cellco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and Box
 Mountain at 199 feet

Manchester Existing PCS Coverage (-85dBm) + Quarry Talbot @ 199' + Future Manchester Green



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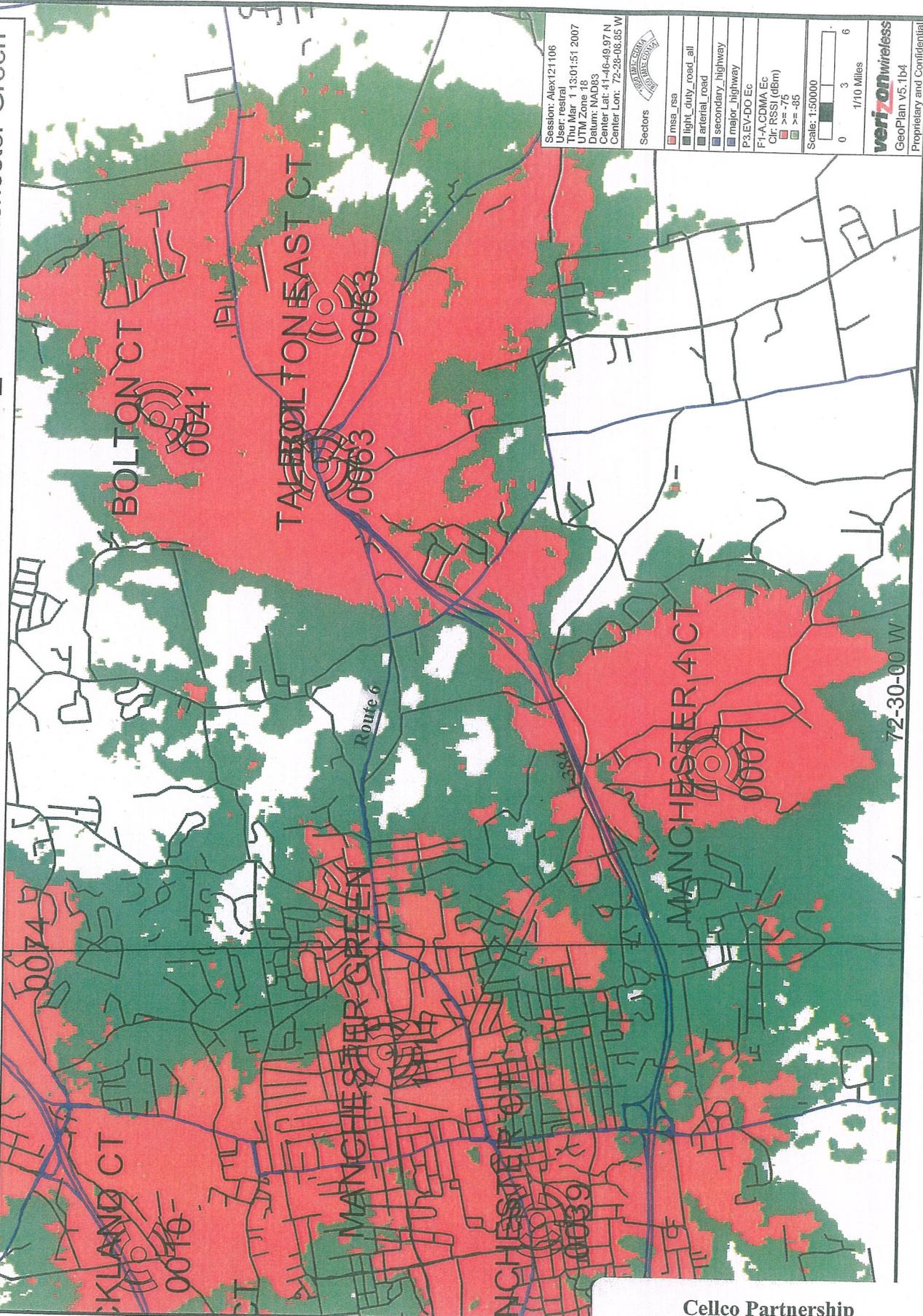
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 ■ secondary_highway
 ■ major_highway
 P3.EV-DO Ec
 P1.CDMA Ec
 Ctr: RSSI (dBm)
 ■ >= -75
 ■ >= -85

Scale: 1:50000
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verizonwireless
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 Proprietary and Confidential

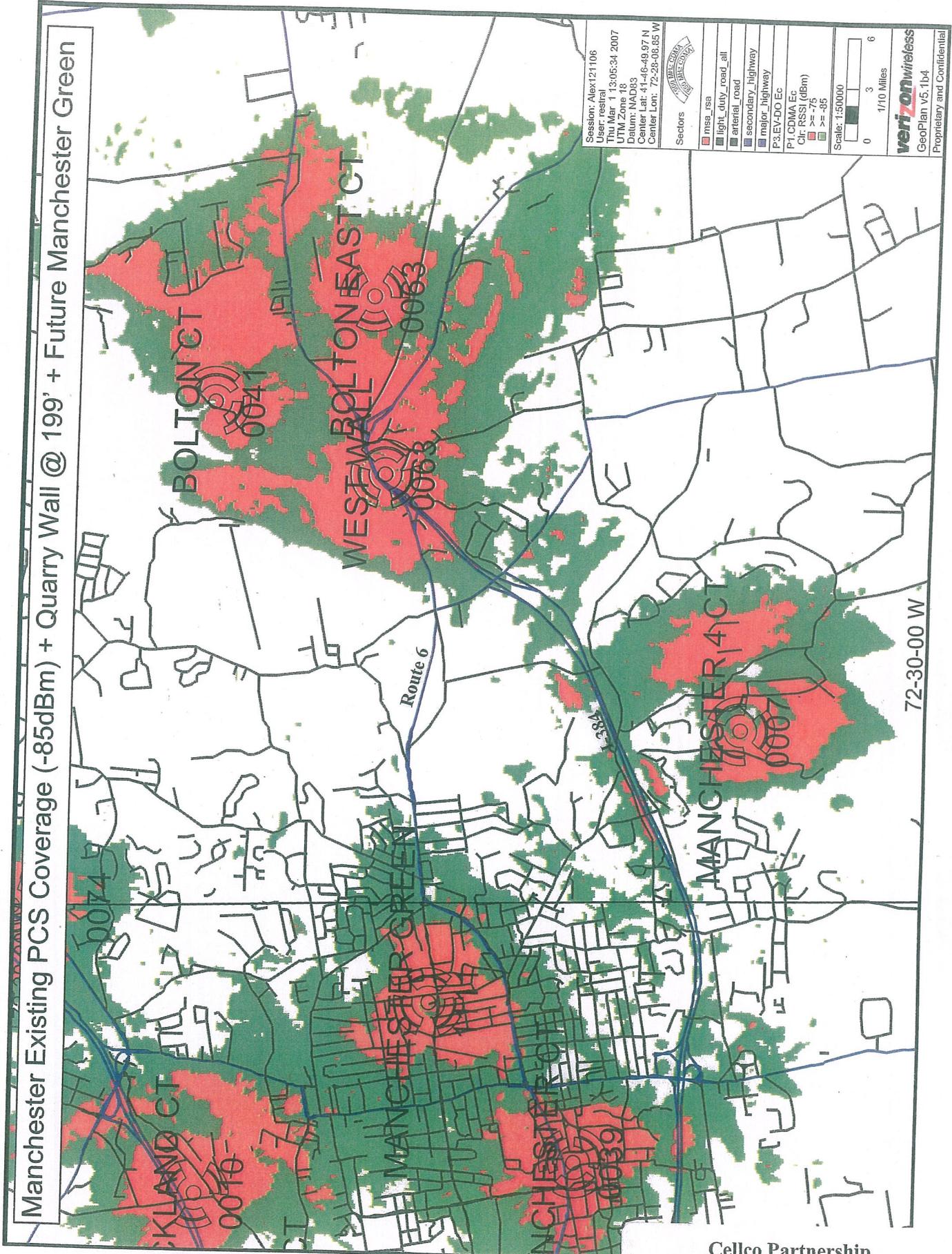
Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and
 Quarry/Talbot at 199 feet

Manchester Existing 850 Coverage (-85dBm) + Quarry Talbot @ 199' Future Manchester Green



Cellco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and
 Quarry/Talbot at 199 feet

Manchester Existing PCS Coverage (-85dBm) + Quarry Wall @ 199' + Future Manchester Green



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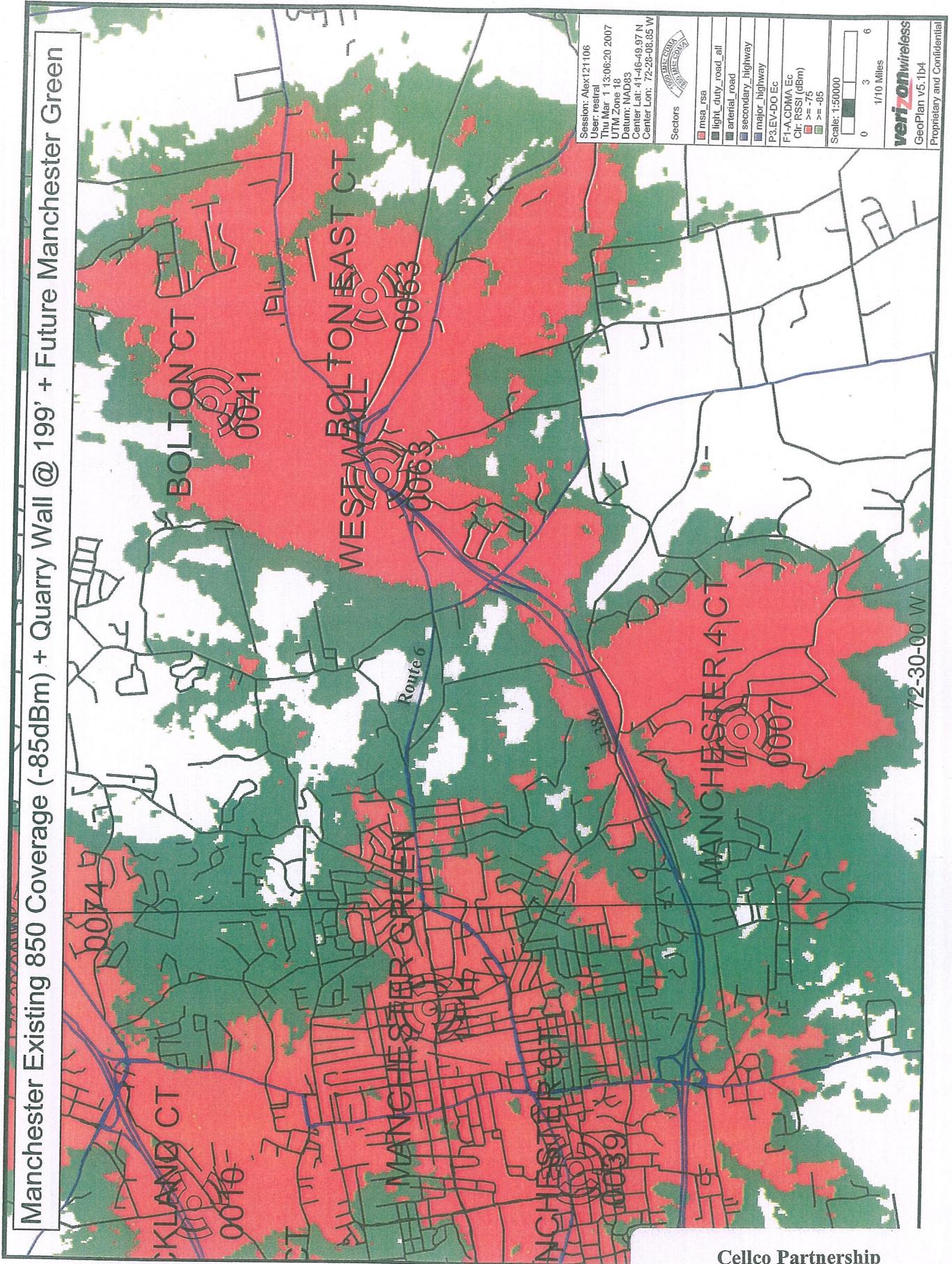
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 ■ secondary_highway
 ■ major_highway
 P3.EV-DO Ec
 P1.CDMA Ec
 C/I: RSSI (dBm)
 ■ >= -75
 ■ >= -85

Scale: 1:500000
 0 3 6
 1/10 Miles

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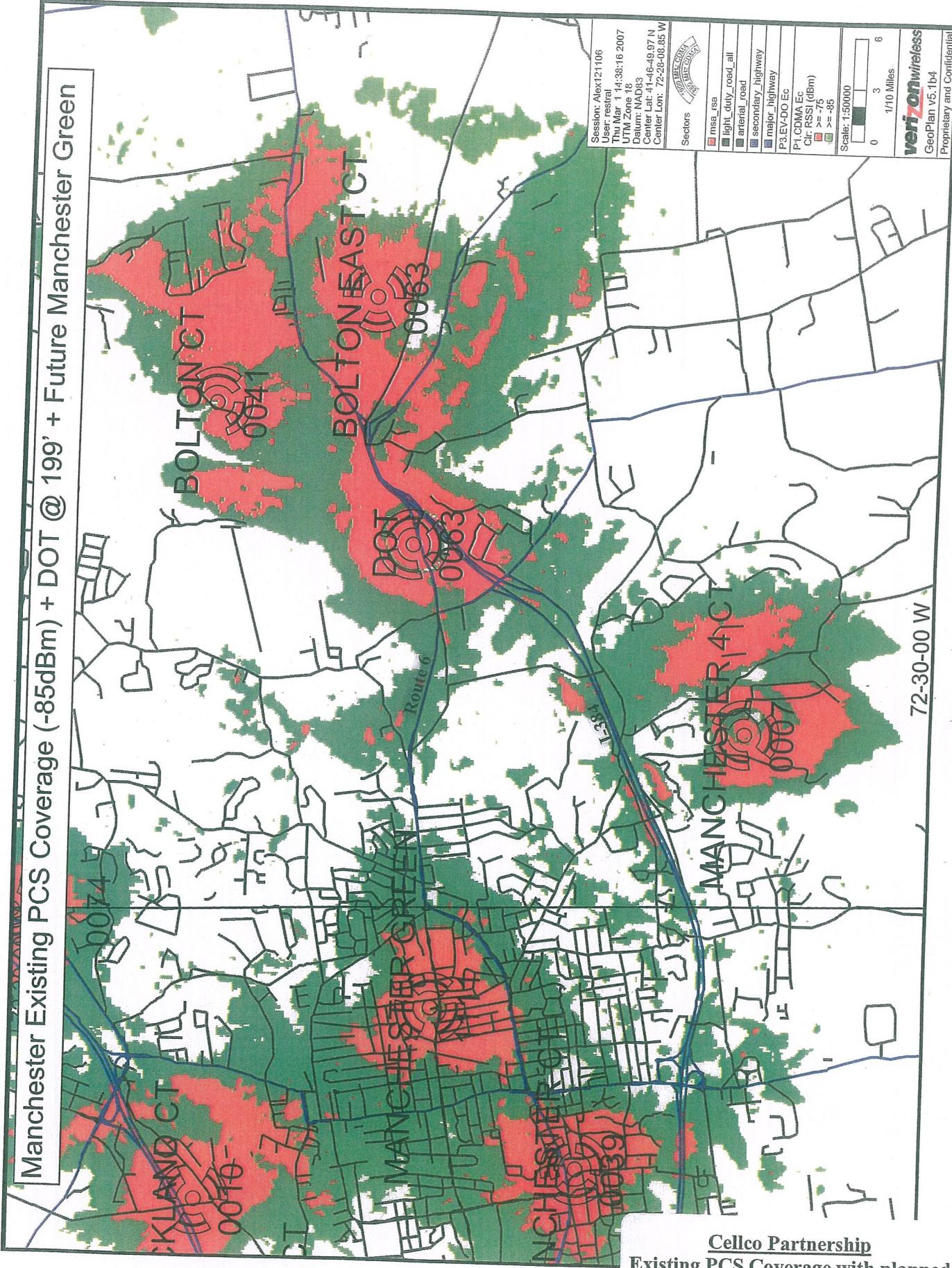
Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and Quarry/Wall
 Street at 199 feet

Manchester Existing 850 Coverage (-85dBm) + Quarry Wall @ 199' + Future Manchester Green



Cellco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and
 Quarry/Wall Street at 199 feet

Manchester Existing PCS Coverage (-85dBm) + DOT @ 199' + Future Manchester Green



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- arterial_road
- secondary_highway
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P3.EV-DO Ec
 P1.CDMA Ec
 Ctr. RSSI (dBm)

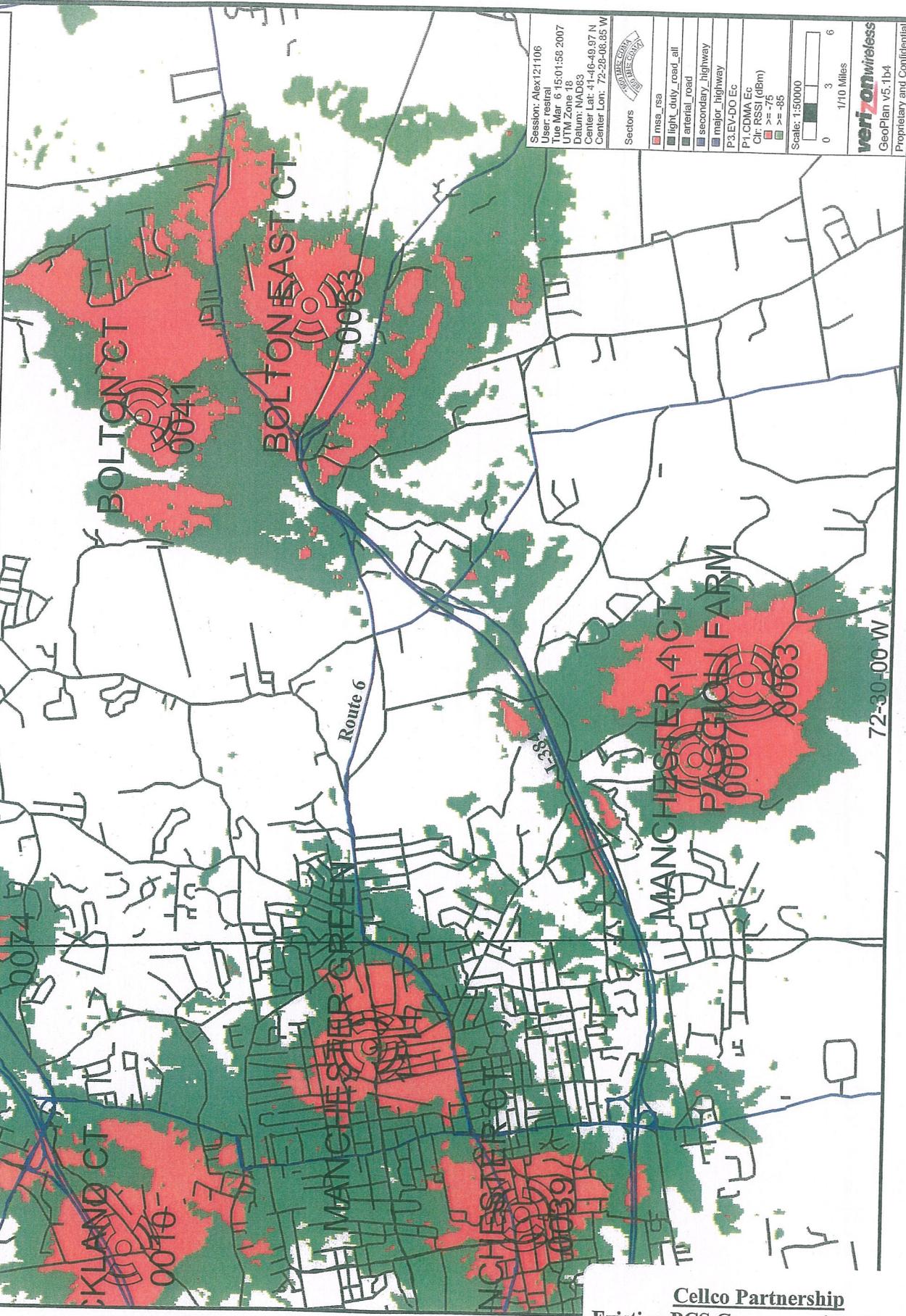
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Scale: 1:50000
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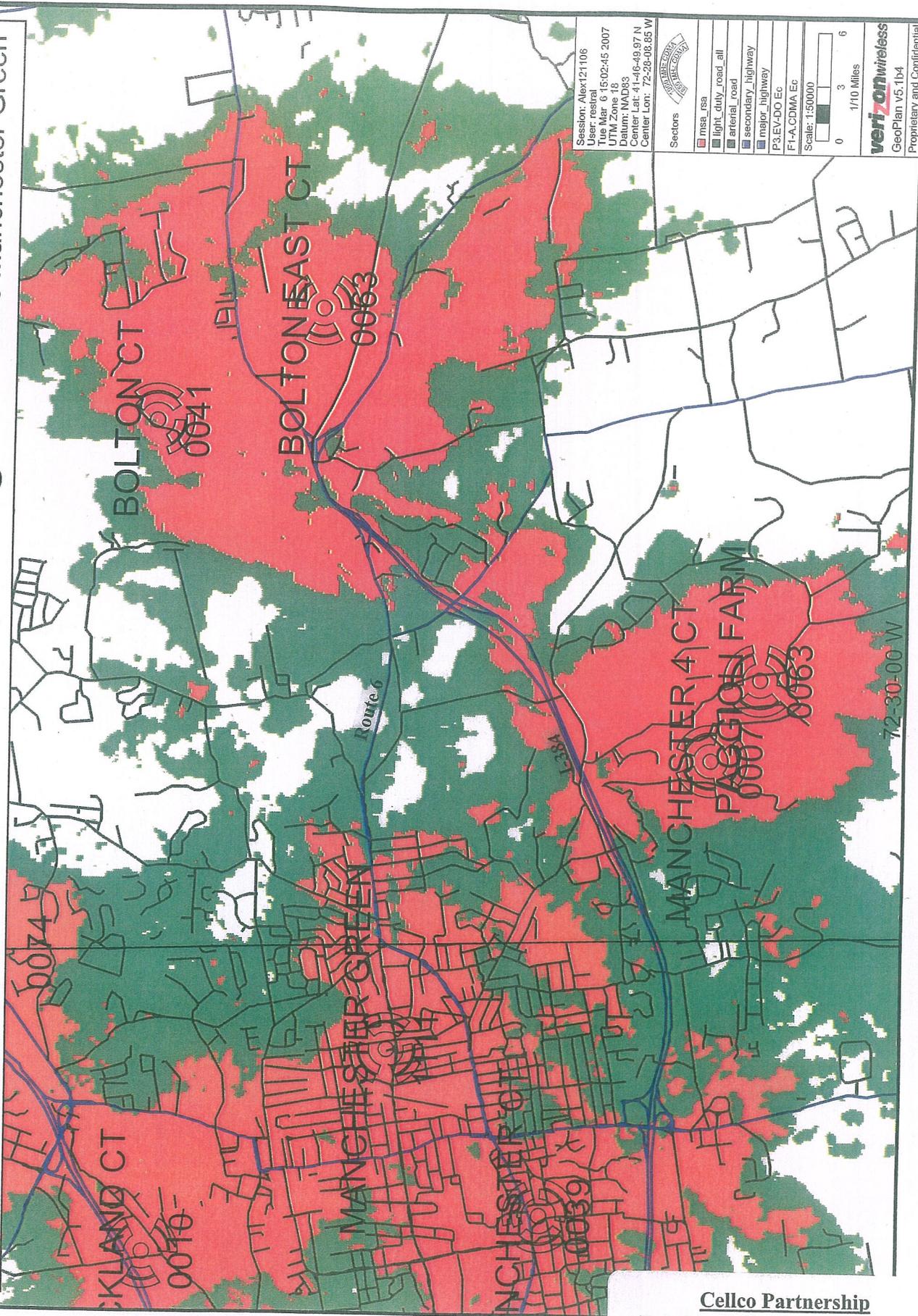
Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and DOT at 199
 feet

Manchester Existing PCS Coverage (-85dBm) + Paggioli Farm @ 199' + Future Manchester Green



Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and Paggioli at
 199 feet

Manchester Existing 850 Coverage (-85dBm) + Paggioli Farm @ 199' + Future Manchester Green



Session: Alex121106
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Sectors

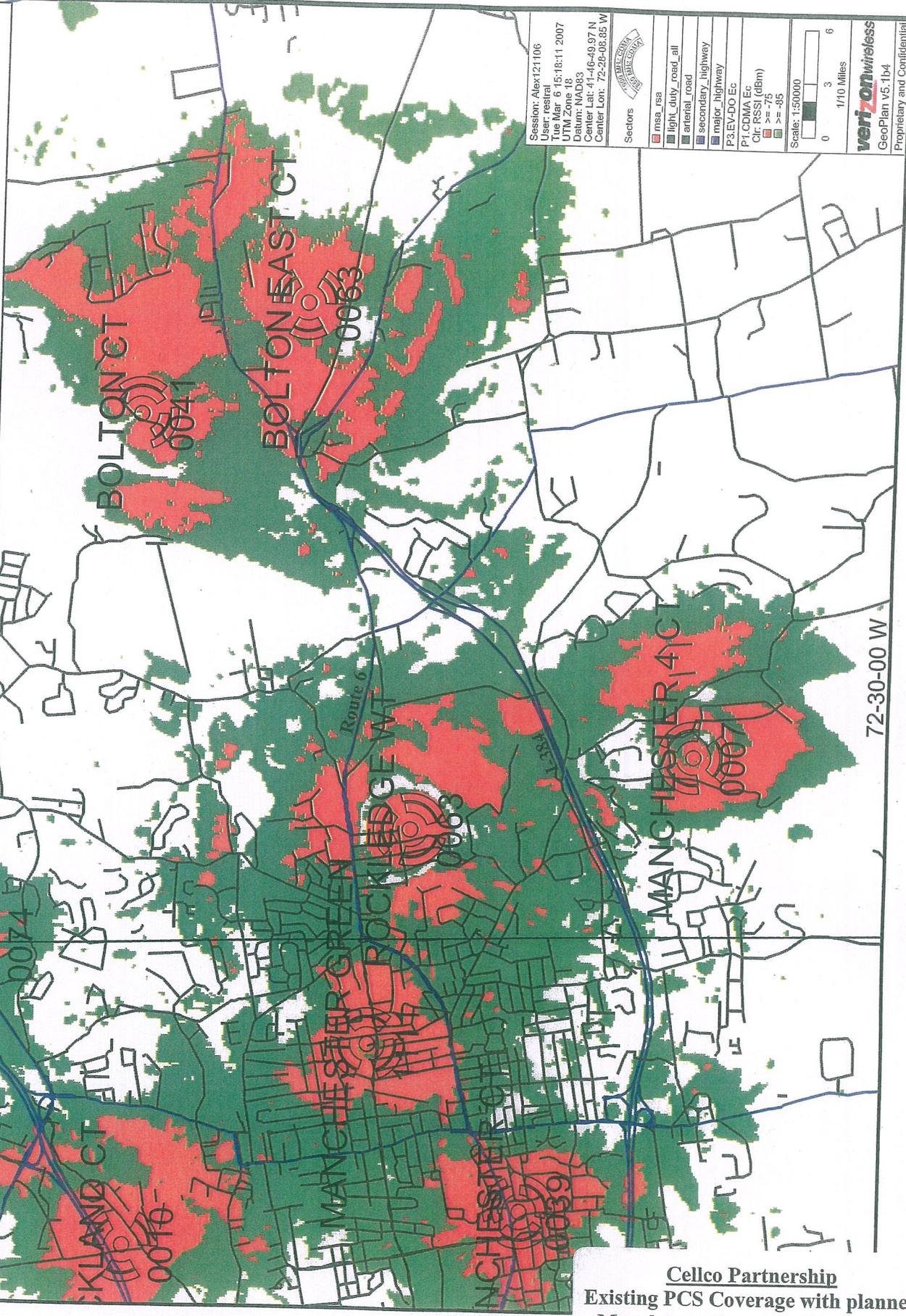
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- major_highway
- PS-EV-DO Ec
- F1-A-CDMA Ec

Scale: 1:50000
 0 3 6
 1/10 Miles

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Cellco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and
 Paggioli at 199 feet

Manchester Existing PCS Coverage (-85dBm) + Rockledge WT @ 199' + Future Manchester Green



Cellco Partnership
 Existing PCS Coverage with planned
 Manchester Green and Rockledge
 WT at 199 feet

Session: Alex121106
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Sectors

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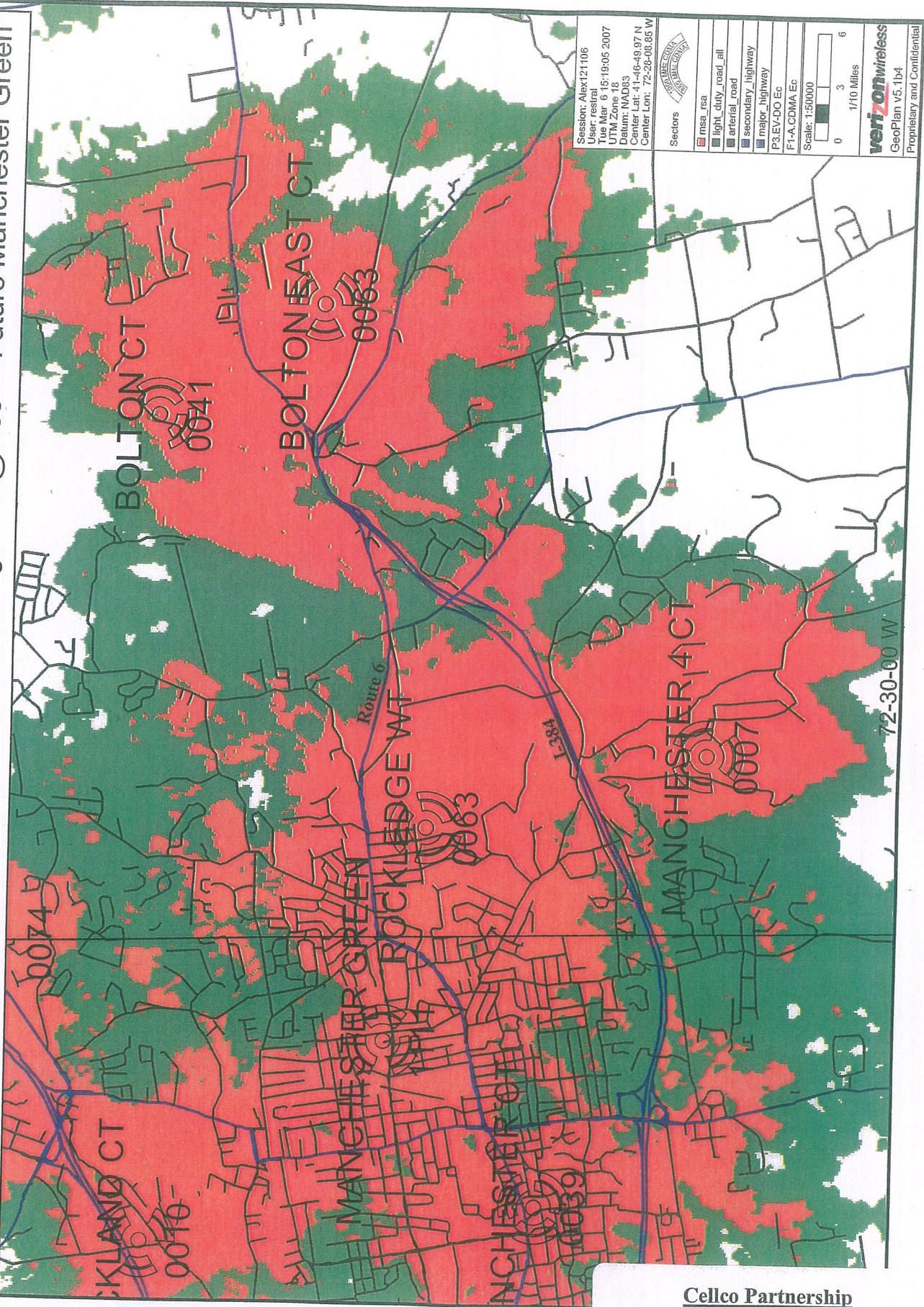
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 C/I: RSSI (dBm)

- >= -75
- >= -85

Scale: 1:50000
 0 3 6
 1/10 Miles

verizonwireless
 GeoPlan v5.1b4
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Manchester Existing 850 Coverage (-85dBm) + Rockledge WT @ 199' + Future Manchester Green



Celco Partnership
 Existing Cellular Coverage with
 planned Manchester Green and
 Rockledge WT at 199 feet