

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE:

APPLICATION OF MCF
COMMUNICATIONS bg, INC. AND
OMNIPOINT COMMUNICATIONS, INC.
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 12 CARPENTER ROAD IN THE
TOWN OF BOLTON, CONNECTICUT

DOCKET NO. 323

DATE: MARCH 7, 2007

**INTERROGATORY RESPONSES AND SUPPLEMENTAL INFORMATION TO
CONNECTICUT SITING COUNCIL FROM
CO-APPLICANTS MCF COMMUNICATIONS BG, INC.
AND OMNIPOINT COMMUNICATIONS, INC.**

Co-applicants MCF Communications bg, Inc. ("MCF") and Omnipoint Communications, Inc. ("T-Mobile") submit the following responses to the interrogatories from the Connecticut Siting Council and supplemental information in connection with the above captioned Docket.

INTERROGATORY RESPONSES:

Q40. Provide the affidavit of balloon flight for January 18, 2007.

A40. See Exhibit 7 attached hereto.

Q41. Are the sites shown in Council exhibit 1 the same sites that T-Mobile provided propagation for in Applicants exhibit 6? If not, provide propagation plots (for each site) using the same parameters and scale as Applicants exhibit 1, Tab F.

A41. The six sites listed in Applicants Exhibit 6 were based upon a letter received from State Representative Sawyer on January 22, 2007. Those six sites are all listed in Council Exhibit 1. In addition, Council Exhibit 1 shows two additional sites not included in the January 22nd letter from State Representative Sawyer. Plots from all eight sites are attached hereto as Exhibit 8. Tabs A-F correspond to the list included in State Representative Sawyer's January 22nd letter. In addition, tab G refers to the Paggioli Farm property (shown on Council Exhibit 1) and tab H refers to Rockledge/Green Hill Water Tanks (also shown on Council Exhibit 1).

Propagation maps from each of these eight sites are attached hereto as Exhibit 8.

Q42. At what height at each of the potential sites on Council exhibit 1 would T-Mobile provide adequate coverage to the target area in Bolton?

- A42.
- A) Liberty Candle: ~195' AGL
 - B) Quarry North: ~230' AGL
 - C) Quarry West: ~185' AGL
 - D) Birch Mountain: ~187' AGL
 - E) DOT Garage: ~155' AGL
 - F) Box Mountain: ~187' AGL (rejected due to interference potential)
 - G) Paggioli Farm: N/A (rejected due to interference potential)
 - H) Rockledge/Green Hill Water Tank: N/A (rejected due to interference potential)

Q43. Would a combination of any two potential sites on Council exhibit 1 eliminate T-Mobile's need for the proposed site?

A43. The combination of the Birch Mountain property (alternate D as identified by State Representative Sawyer) and the Liberty Candle (alternate A) or DOT property (alternate E) will achieve approximately the same footprint as the proposed MCF facility, however this would create a tremendous amount of redundant coverage along I-384 and surrounding areas with T-Mobile's on air CT11384D Site and would lead to severe performance problems that would be detrimental to the network in this area. This is not a design scenario that T-Mobile would consider to provide service in this area.

Q44. Has MCF contacted any of the owners of the potential sites to determine the availability of leasing a portion of the property for a telecommunications facility?

A44. MCF has contacted the owners of each of the six sites identified by Representative Sawyer in her letter dated January 16, 2007. In addition, MCF has contacted the owners of the two additional sites identified in Council Exhibit 1.

SUPPLEMENTAL INFORMATION:

Q1. Use of fuel cells on site.

A1. T-Mobile has been continually reviewing fuel cells for several years and the technology hasn't been ready for our needs. Currently the region is working with three vendors and T-Mobile is preparing to run some trials on our cell sites, potentially in the New England market. In ten years of operation in New England, T-Mobile has never had a battery on a cell site leak. All out-dated batteries are returned to the manufactures for proper disposal.

Q2. Information regarding the forest designation on a portion of the property located at 12 Carpenter Road.

A2. See Exhibit 9 attached hereto.

Q3. Information concerning the wetlands report and Phase I Environmental Assessment:

Q3A. Does BL Companies you have a herpetologist on staff?

A3A. No, BL Companies employs certified ecologists, biologists, and professional wetland scientists. Individuals with particular specialties are called upon as needed.

Q3B. Identity credentials of the person who conducted the Phase I/wetlands analysis.

A3B. See Exhibit 10 attached hereto showing the credentials for Jim Kodlick, Olivia Braunand and Scott Mowery all of whom were responsible for determining the potential for wetlands on the subject site.

Q3C. Determine how were wetlands identified – onsite or only by mapping?

A3C. A detailed on-site assessment was conducted to determine the presence of wetlands on both the proposed compound location and the proposed access roadway. NWI mapping was referenced to determine whether inventoried systems were present at or proximal to the site.

Q3D. Confirm whether access road was reviewed for wetlands.

A3D. As part of the on-site assessment, both the proposed compound location and the access roadway were assessed for the presence of wetlands. At that time, it was determined that there were no wetlands located on or proximal to the site, including the access roadway.

Q3E. Provide a colored copy of the wetlands map referenced in Exhibit J of the Certificate Application.

A3E. See wetlands map attached hereto as Exhibit 11.

Q3F. Did BL review the site for specific wood turtle habitat and where did they look?

A3F. BL Companies conducts informal biological assessments (IBA) on every site. These assessments are conducted in order to compare onsite habitat to known habitat requirements for any threatened and/or endangered species. These findings are usually outlined in written form, however, at that the client's request, correspondence was initiated with Federal and State agencies. BL Companies sent letters to the USFWS and CT Department of Natural Resources to confirm the presence/absence of threatened and endangered species onsite on March 17, 2006. The response from the USFWS, dated April 19, 2006, confirmed that no federally-listed or proposed, threatened or endangered species, or critical habitat under the jurisdiction of the USFWS are known to occur within the project area(s).

The response from the CT Division of Wildlife dated April 11, 2006 stated that a Species of Special Concern, the wood turtle, occurs within the vicinity of the project area. The letter also states that wood turtles require riparian habitats bordered by flood plains, woodlands or meadows. Their summer terrestrial habitat includes pastures, old fields, woodlands, power line cuts and railroad beds bordering or adjacent to streams and rivers. Their hibernating habitat includes tree-lined rivers with undercut banks and muddy bottoms. They hibernate submerged in tangled tree roots or in deep pools from November 1 to April 1. The letter also states that if wood turtle habitat exists on the proposed site, the CT Division of Wildlife recommends that a herpetologist familiar with the habitat requirements of this species conduct surveys between April and September to see if they are present.

As a result, a BL Companies scientist conducted an on-site assessment and documented the existing habitat. BL Companies has determined that the requisite habitat of the wood turtle does not occur on or proximal to the site, including the access roadway.

Q3G. Does BL Companies have confirmation from herpetologist that no wood turtle habitat will be impacted by the construction of the road accessway and site?

- A3G. As previously stated, BL Companies employs certified ecologists, biologists, and wetland scientists that are well educated and trained in habitat assessments. If it is determined that any site contains specific habitat requirements for any threatened and/or endangered species, a formal biological assessment is conducted by an individual specifically trained in species identification (e.g. herpetologist). In this case, the on-site habitat currently consists of an undeveloped wooded area with a canopy consisting of red maple (*Acer rubrum*) and white oak (*Quercus alba*) ranging in size from 15 to 30 feet tall. Features indicative of wetland communities, including hydric soils, hydrophytic vegetation, and wetland hydrology, were not observed at the site. Land use within the vicinity of the site primarily consists of highway corridors and private residences. Therefore, it is quite clear that this is not suitable habitat for the wood turtle.
- Q4. Provide a propagation map showing alternate A and alternate E (as identified in State Representative Sawyer's letter).
- A4. See Exhibit 12 attached hereto.

Respectfully Submitted,

By:  _____

Attorneys for the Applicants
Julie D. Kohler, Esq.
jkohler@cohenandwolf.com
Carrie L. Larson, Esq.
clarson@cohenandwolf.com
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
Tel. (203) 368-0211
Fax (203) 394-9901

Certification

This is to certify that a copy of the foregoing has been mailed, this date to all parties and intervenors of record.

Thomas J. Regan
Brown Rudnick Berlack Israels LLP
City Place I, 185 Asylum Street
Hartford, CT 06103-3402

Kenneth C. Baldwin
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597



Carrie L. Larson

7

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE:

APPLICATION OF MCF
COMMUNICATIONS bg, INC. AND
OMNIPOINT COMMUNICATIONS, INC.
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 12 CARPENTER ROAD IN THE
TOWN OF BOLTON, CONNECTICUT

DOCKET NO. 323

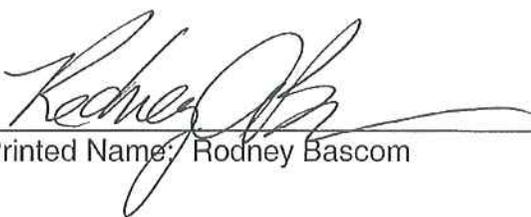
DATE: JANUARY 24, 2007

**AFFIDAVIT REGARDING HEIGHT OF BALLOON
FLOWN DURING FIELD REVIEW**

I, Rodney Bascom, do hereby declare and state:

1. I am over the age of 18 years, and believe in the obligation of an oath.
2. I am a Civil Engineer at Clough Harbour & Associates, LLP.
3. On Wednesday, January 24, 2007, from 8:30 a.m. until 4:30 p.m., I supervised the balloon float at the site of the proposed telecommunications facility at 12 Carpenter Road in Bolton, Connecticut to show the height of the tower proposed by MCF Communications bg, Inc. and Omnipoint Communications, Inc. in their application for a Certificate of Environmental Compatibility and Public Need to the Connecticut Siting Council.
4. The height at which each balloon was flown was 140 feet at the site of the proposed telecommunications facility.

ATTEST:


Printed Name: Rodney Bascom

Subscribed and sworn to before me this 24th day of January, 2007.


Carrie L. Larson
Commissioner of the Superior Court

8

**PROPAGATION MAPS FROM ALTERNATIVE SITES AS PROPOSED BY
STATE REPRESENTATIVE SAWYER IN A LETTER RECEIVED ON
JANUARY 22, 2007 AND AS SHOWN IN COUNCIL EXHIBIT 1**

TABLE OF CONTENTS—EXHIBIT 8

LETTER FROM STATE REPRESENTATIVE SAWYER

EXISTING T-MOBILE COVERAGE PLOT

ANALYSIS OF COVERAGE FROM EACH OF THE PROPOSED ALTERNATIVE
SITES

PROPAGATION MAPS FROM THE FOLLOWING:

- A. ANSALDI PROPERTY—BEHIND LIBERTY CANDLE/I-384
- B. TALBOT PROPERTY—ABOVE BOLTON QUARRY (QUARRY
NORTH)
- C. WALL STREET PROPERTY—ADJACENT TO BOLTON QUARRY
(QUARRY WEST)
- D. DEPARTMENT OF TRANSPORTATION (“DOT”) GARAGE
PROPERTY
- E. BIRCH MOUNTAIN TWIN WATER STORAGE TANKS
MANCHESTER
- F. BOX MOUNTAIN
- G. PAGGIOLI FARM
- H. ROCKLEDGE/GREEN HILL WATER TANK

January 16, 2007

State Representative
Pamela Z. Sawyer
Minority Whip
95 South Road
Bolton, CT 06043



Re: Proposed Cell Telecommunications Tower
12 Carpenter Road, Bolton, CT

Dear Pam,

It was a pleasure to meet with you recently to discuss our concerns regarding the proposed cell tower in our neighborhood. We appreciate you taking the time to sit down with us to review the process followed by the Connecticut Siting Council (CSC) for this project. Your insight into this process and the nuances associated with it was invaluable. As discussed at our January 5th meeting, we are sending this letter to you to summarize our concerns and comments related to this project.

1. We are strongly opposed to the siting of a cell tower at 12 Carpenter Rd. This location is within a residential neighborhood currently zoned R-2. The cell tower would be in close proximity to existing homes on Carpenter Rd. and Route 85.
2. Construction of a cell tower at this location would have a major negative impact on the viewshed, quality of life and property values for our neighborhood.
3. MCF Communications, Inc. (MCF) only contacted three individual parties for their entire site selection process. The three parties were Jonathan Treat who owns property on Bolton Center Rd. south of I-384, the Town of Manchester Water Department who owns property to the west of 12 Carpenter Rd., and Terry Veo who owns the proposed cell tower site at 12 Carpenter Rd. There is no alternate site noted for this CSC cell telecommunications tower application.

Pamela Z. Sawyer
January 16, 2007
Page 2 of 3

4. We are in utter disbelief that MCF did not consider additional alternative sites and existing structures, for the proposed cell tower, that would be less intrusive to our residential neighborhood. It is quite clear that MCF did not perform due diligence in evaluating the optimum location for this cell tower. All of the following locations are within 2.0 miles of the proposed site at 12 Carpenter Rd. This is just a listing of the obvious locations and we are sure that a more thorough search would uncover additional sites. These alternative sites and structures include:
 - a. Vacant property located behind Liberty Candle adjacent to I-384. This parcel is 10.7 acres and is zoned "Industrial". This property is owned by Andrew Ansaldi, Jr. and Nathan Agostinelli.
 - b. Vacant property located above Bolton Quarry adjacent to I-384. This parcel is 12.0 acres and is zoned "Industrial". This property is owned by Roger Talbot.
 - c. Vacant property located immediately to the west of Bolton Quarry, accessible from Wall St., and adjacent to I-384. This parcel is 17.3 acres and is owned by James and Marrion Howard.
 - d. The existing CT DOT garage property located on Route 6 & 44 across the street from Georgina's Restaurant.
 - e. The existing Birch Mountain twin water storage tanks located in Manchester. These elevated tanks are owned by the Manchester Water Dept.
 - f. The existing antenna(s) located in the Box Mountain area.
5. Instead of one tall antenna (currently proposed as 140 feet) at 12 Carpenter Rd., could MCF consider multiple shorter antennas at various locations and the use of repeaters. This plan would involve the use of current technology including signal repeaters, microcell transmitters, distributed antenna systems and other types of transmitting technologies to implement.
6. Originally, in the CSC technical report, MCF proposed a 150 foot tower. However, after careful analysis and in an effort to ensure the proposed facility has a minimal impact on the surrounding areas the tower was reduced to 130 feet. The initial CSC application from MCF was based on a 130 foot tall tower. Currently it is proposed that the cell tower be raised from the initial height of 130 feet to 140 feet. This proposed increase in height is contradictory to their original findings. The project visual assessment needs to be revised based on the proposed 140 foot tower. This assessment includes a computer-based viewshed model, a visual methodology report, site line graphs and photosimulations.

Pamela Z. Sawyer
January 16, 2007
Page 3 of 3

We would like to thank you for your support throughout this process and look forward to seeing you at the public hearing at Bolton Town Hall on January 24, 2007.

Sincerely,

Raymond Myette, Jr.
Lucienne Carrier
Kevin Dowd
Nancy Klingerman

Christopher Uriano
Angela Diliberto
Thomas Cleary
Kimberly Cleary

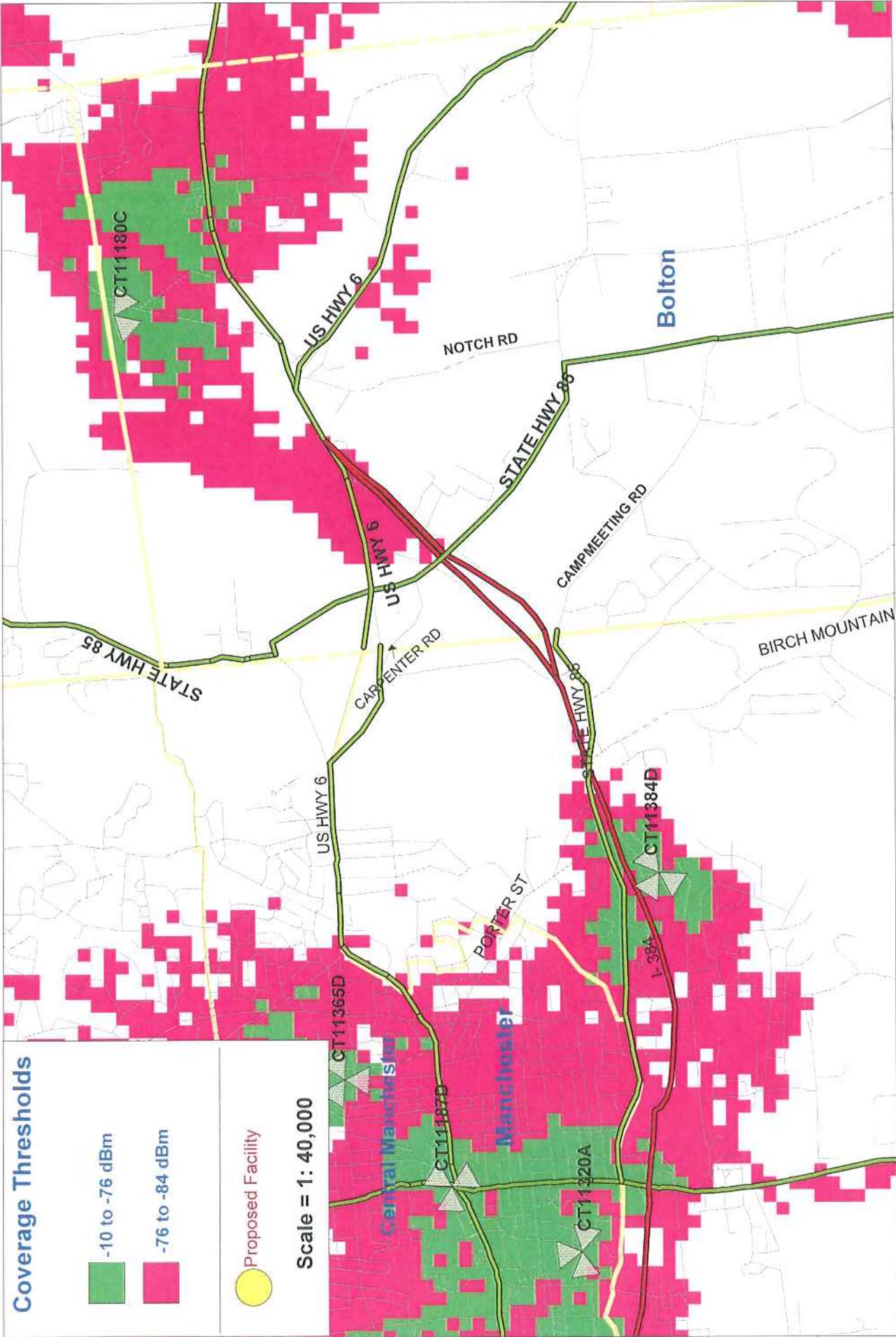
c: Daniel F. Caruso, Chairman of Connecticut Siting Council
John W. Thompson, State Representative
Ryan Barry, State Representative
Mary Ann Handley, State Senator
Robert R. Morra, First Selectman
Leslie K. Shea, Deputy First Selectman
Robert W. Neil, Selectman
Don L. Palmer, Jr., Selectman
Joshua A. Hawks-Ladds, Selectman
Joyce Stille, Town Administrative Officer
Eric M. Luntta, Chairman of Planning and Zoning Commission
Catherine E. Teller, Chair of Economic Development Commission
Gwen E. Marrion, Chair of Inland Wetlands Commission
Rodney E. Parlee, Chairman of Conservation Commission

Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facility

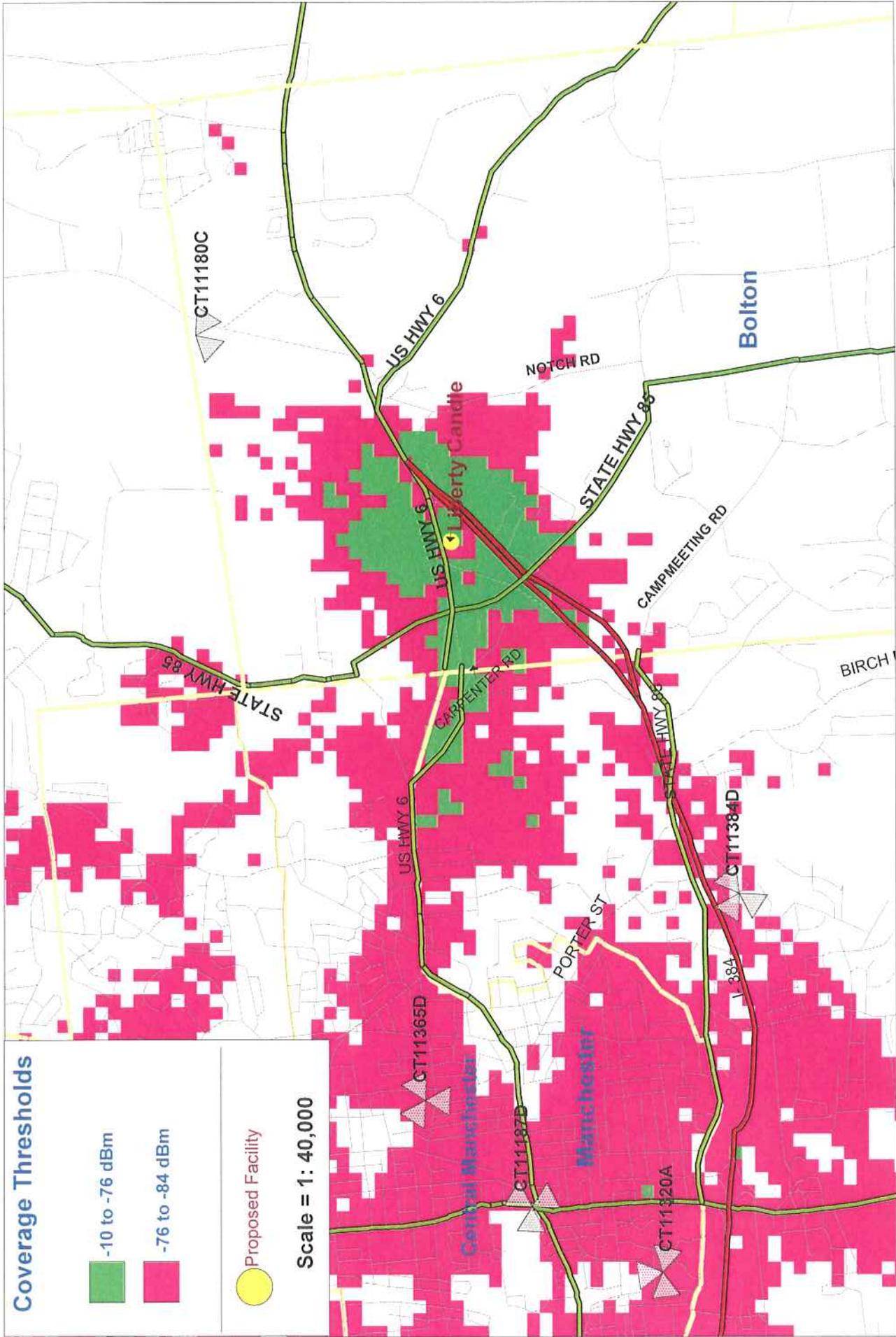
Scale = 1: 40,000

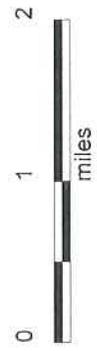
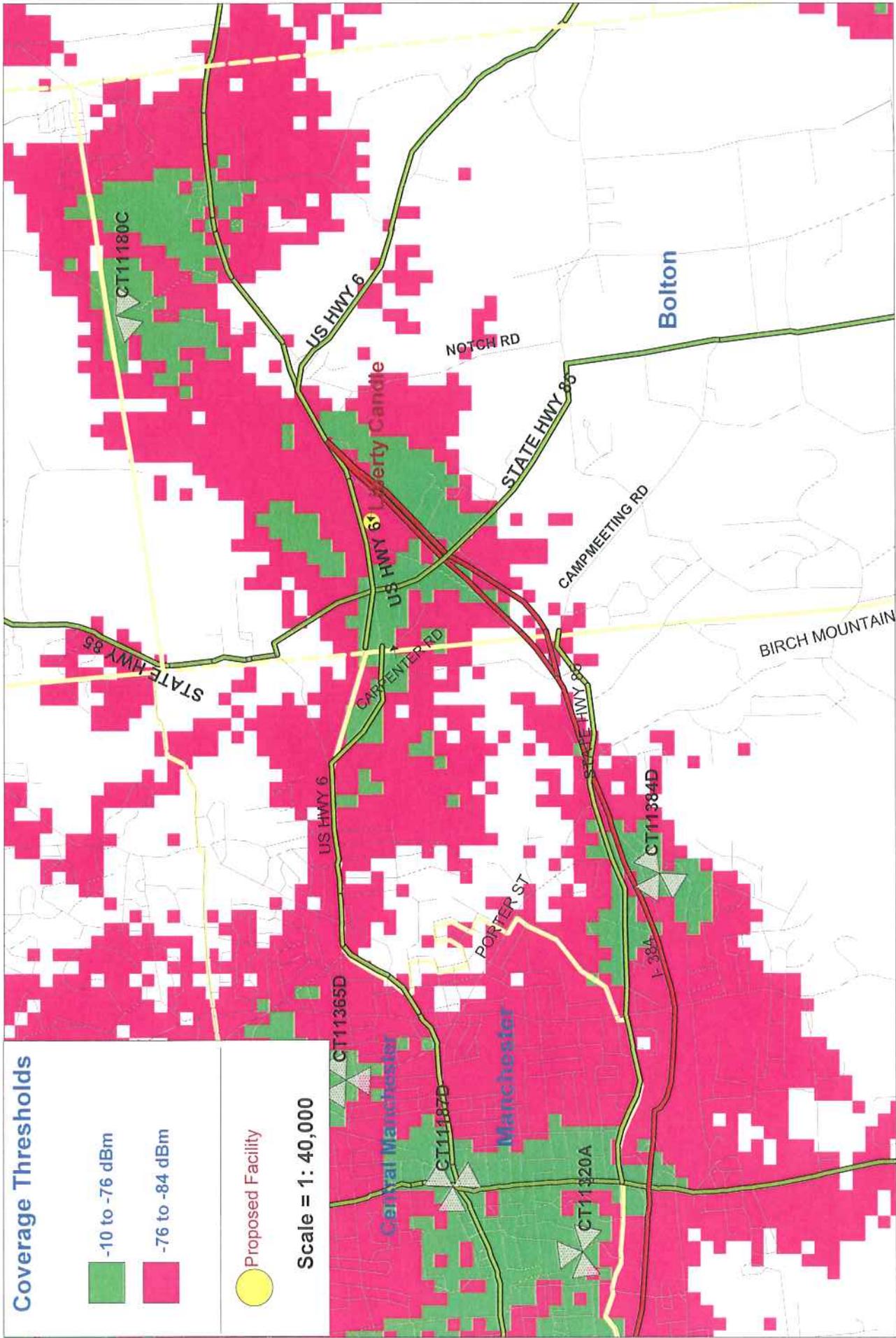


Existing T-Mobile Coverage

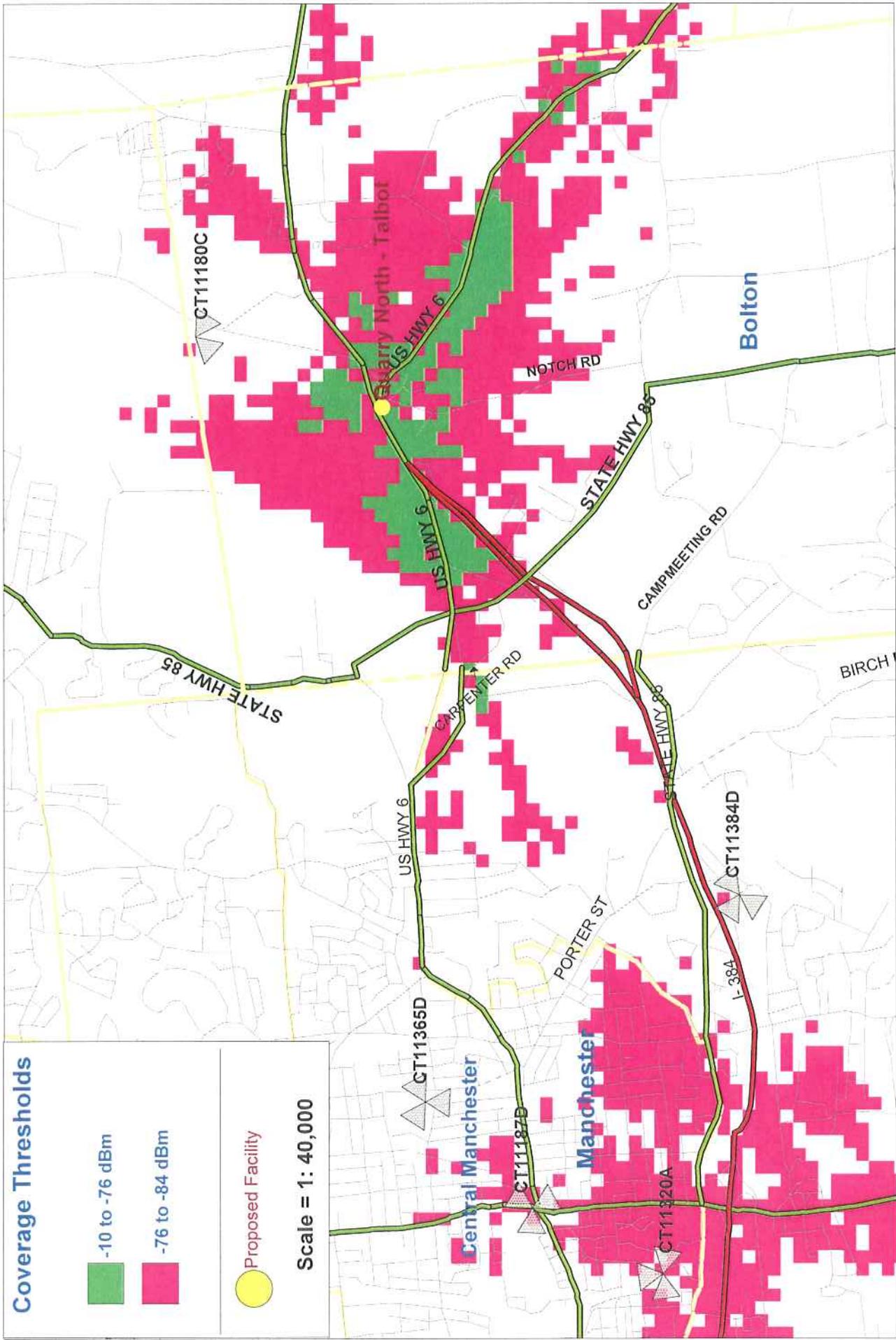
Site	Height Considered	Conclusion
Liberty candle	127'	Site provides good coverage at the intersection of Route 6 and I-384. Coverage becomes spotty heading southwest along I-384 toward T-Mobile on air site CT11384D. Coverage from the Liberty Candle site falls below the minimum T-Mobile coverage threshold of -84 dBm prior to connecting with CT11384D in this area of I-384, which is a primary coverage area of the CTHA076 - Bolton Ring. A gap of 1.05 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11384D
Quarry North - Talbot	127'	Site provides good coverage at the intersection of Route 6 and I-384. Coverage becomes poor to non-existent along I-384 to the southwest of the site and will not connect to the existing T-Mobile site CT11384D. A gap of 2.16 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11384D
Quarry West - Wall St	127'	Site provides good coverage at the intersection of Route 6 and I-384. Coverage becomes poor to non-existent along I-384 to the southwest of the site and will not connect to the existing T-Mobile site CT11384D. A gap of 2.06 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11384D
DOT Garage	127'	Site provides very solid coverage at the intersection of Route 6 and I-384. Coverage is also very good along I-384 to the southwest of the site. Coverage falls below the T-Mobile required coverage threshold limit of -84 dBm just prior to connecting to the existing T-Mobile on air site CT11384D to the southwest along I-384. A height of approximately 155' would be required to make the connection to CT11384D. A gap of 0.37 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11384D
Box Mountain	127	Site provides good coverage to Route 85 north of Route 6. The site has trouble providing reliable coverage to I-384 in the objective area extending from existing T-Mobile coverage from site CT11384D along I-384 extending Northeast to the junction of Route 6 and I-384. Additionally due to the extreme ground elevation of this site, interference induced back upon the network would be highly detrimental. For this reason this site has been rejected by T-Mobile's RF Engineering group in the past and continues to be rejected as a potential candidate for this area. A gap of 1.70 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11384D
Birch Mountain WT	127	Site provides good coverage to the I-384 area in roughly half of the coverage objective. This site provides a considerable amount of redundant coverage with T-Mobile's on air site CT11384D along I-384. To introduce this level of redundant coverage to this area would be extremely inefficient and cause severe network performance problems in this coverage area, especially along I-384. A gap of 0.84 miles remains along I-384 between coverage from this site and existing coverage from on air site CT11180C
Paggioli Farm	150'	Site provides good coverage to secondary roads south of I-384 with limited coverage to I-384. Site will provide roughly 1 mile of coverage to I-384 however will not provide coverage to the intersection of Route 6 and I-384.
Rockledge / Green Hill WT	150'	Site provides a tremendous amount of redundant coverage to Route 6, I-384 and secondary roads west of the coverage objective. Due to constrictive terrain, this site does not provide any significant coverage to I-384.

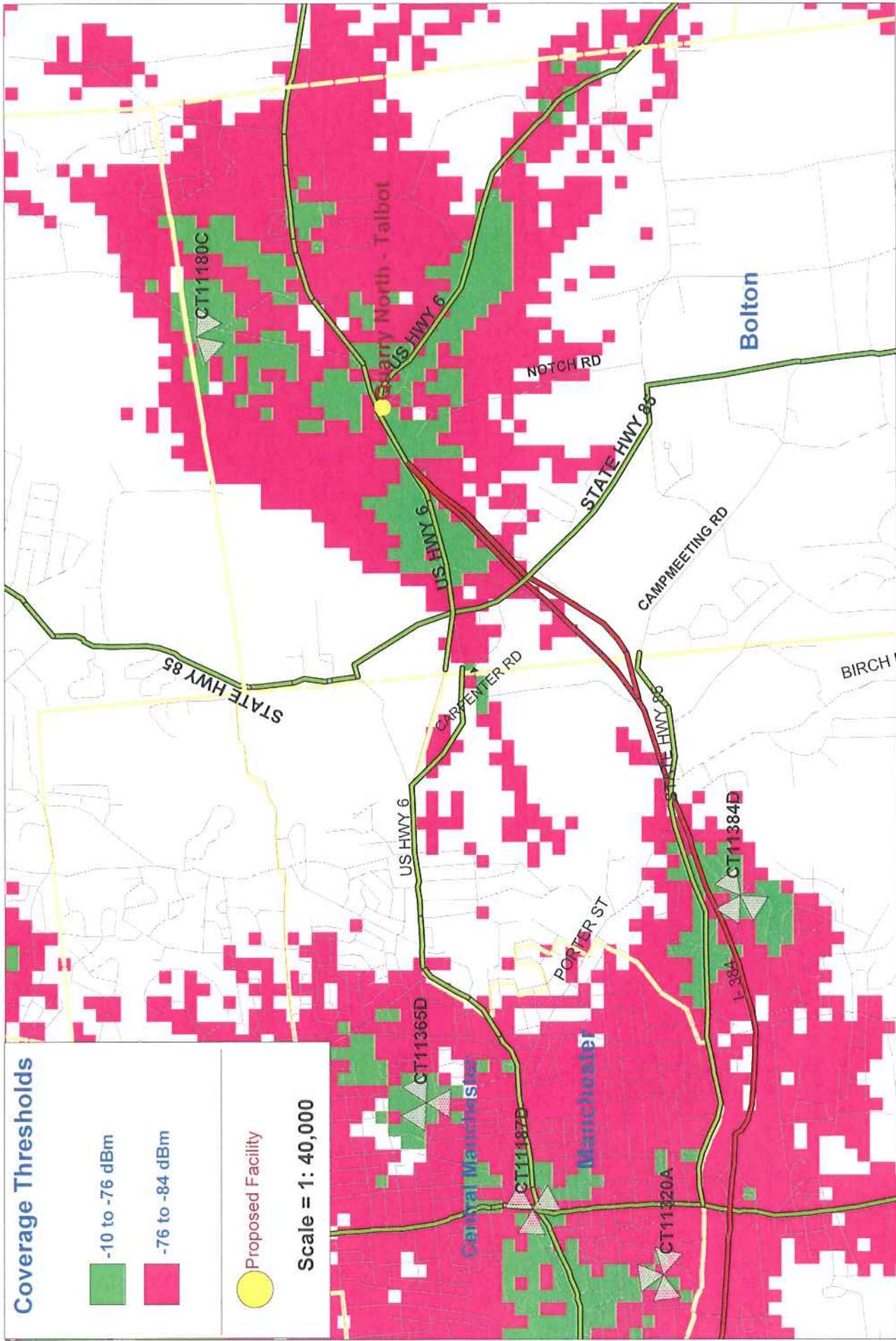
A





1B





Coverage Thresholds

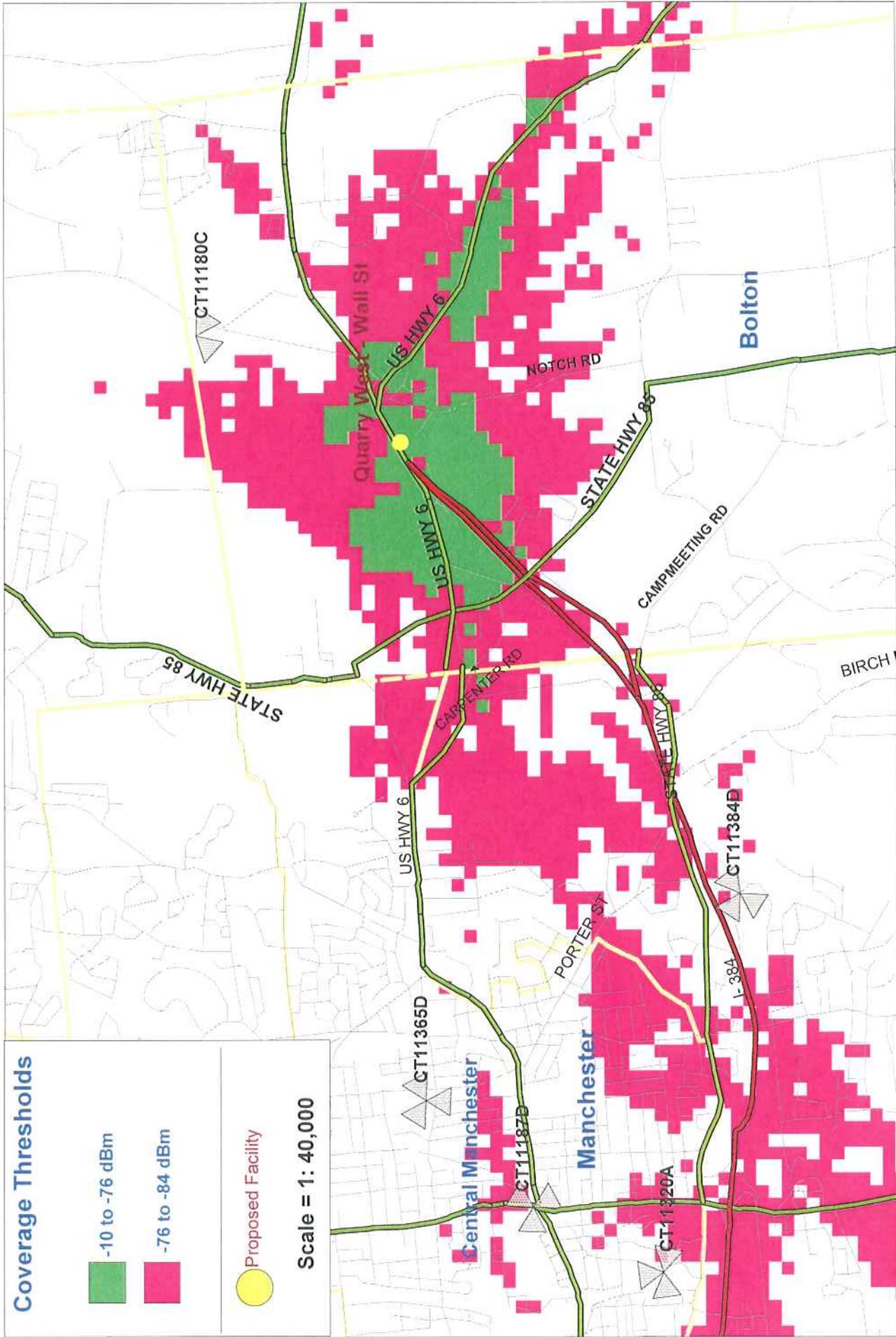
- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facility

Scale = 1: 40,000

Existing T-Mobile Coverage With The Quarry North-Talbot location at 127'





Coverage Thresholds

-10 to -76 dBm

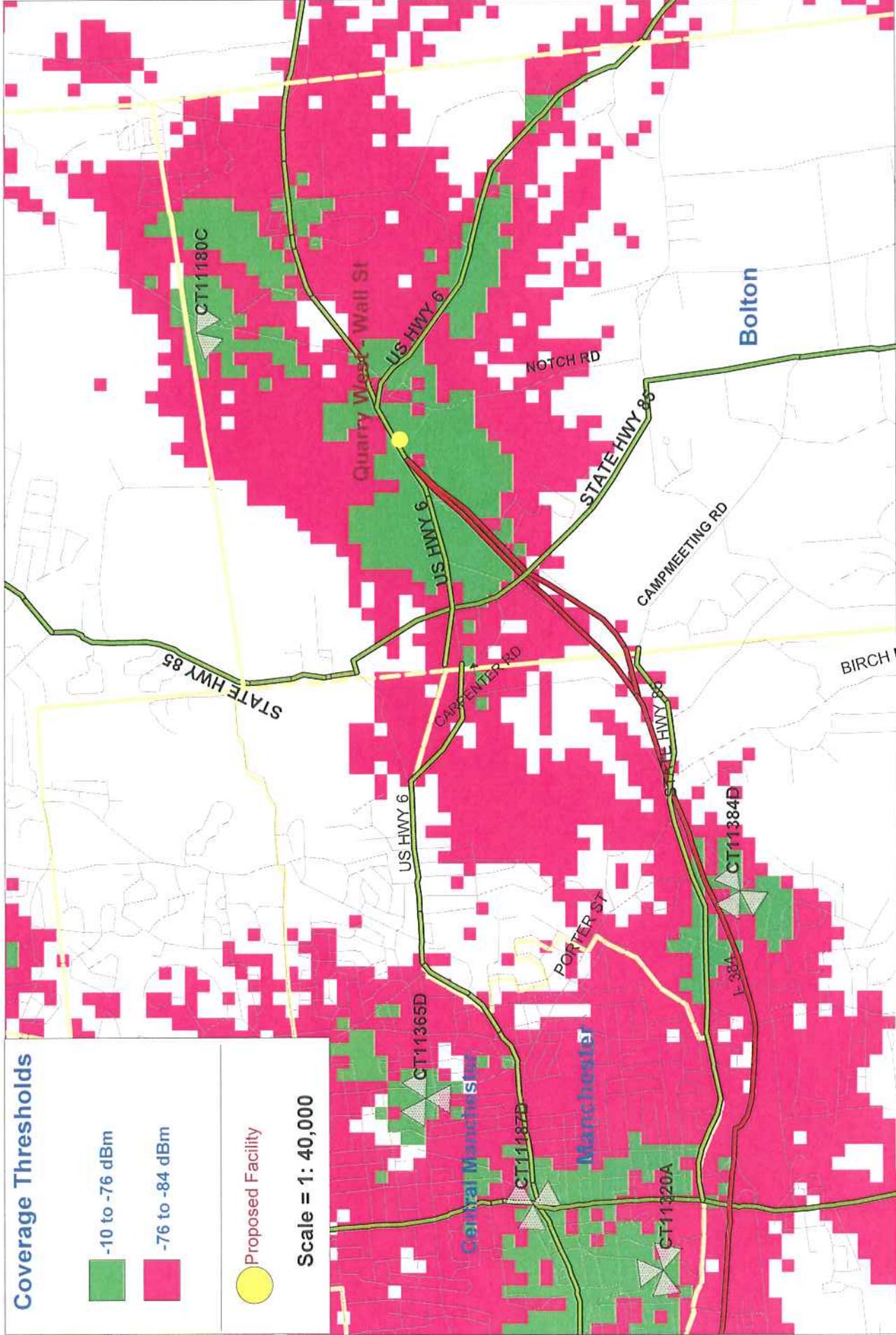
-76 to -84 dBm

Proposed Facility

Scale = 1: 40,000



Quarry West - Wall St location at 127°

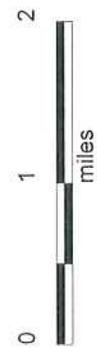


Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facility

Scale = 1: 40,000



Existing T-Mobile Coverage With The Quarry West - Wall St location at 127°

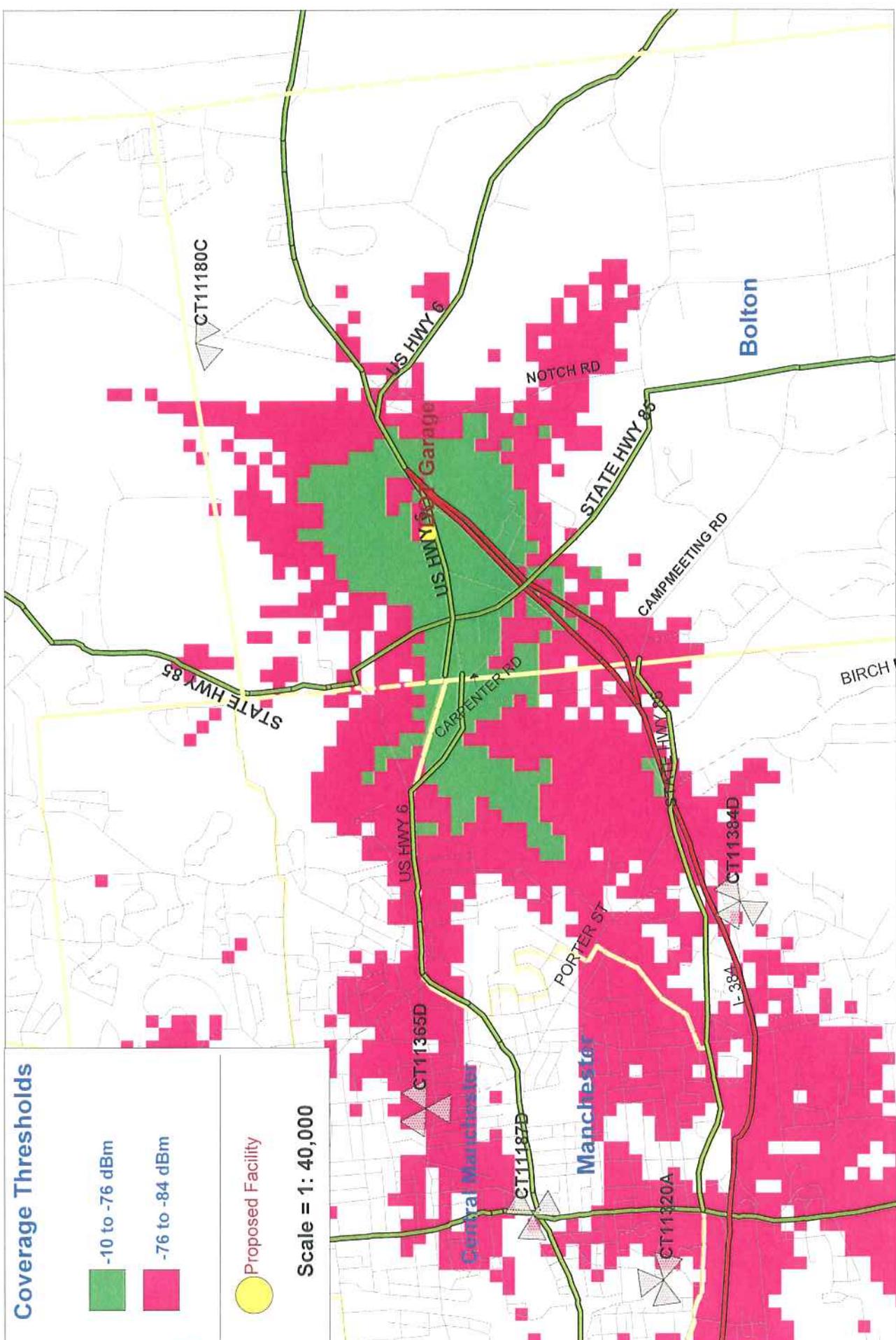
1D

Coverage Thresholds

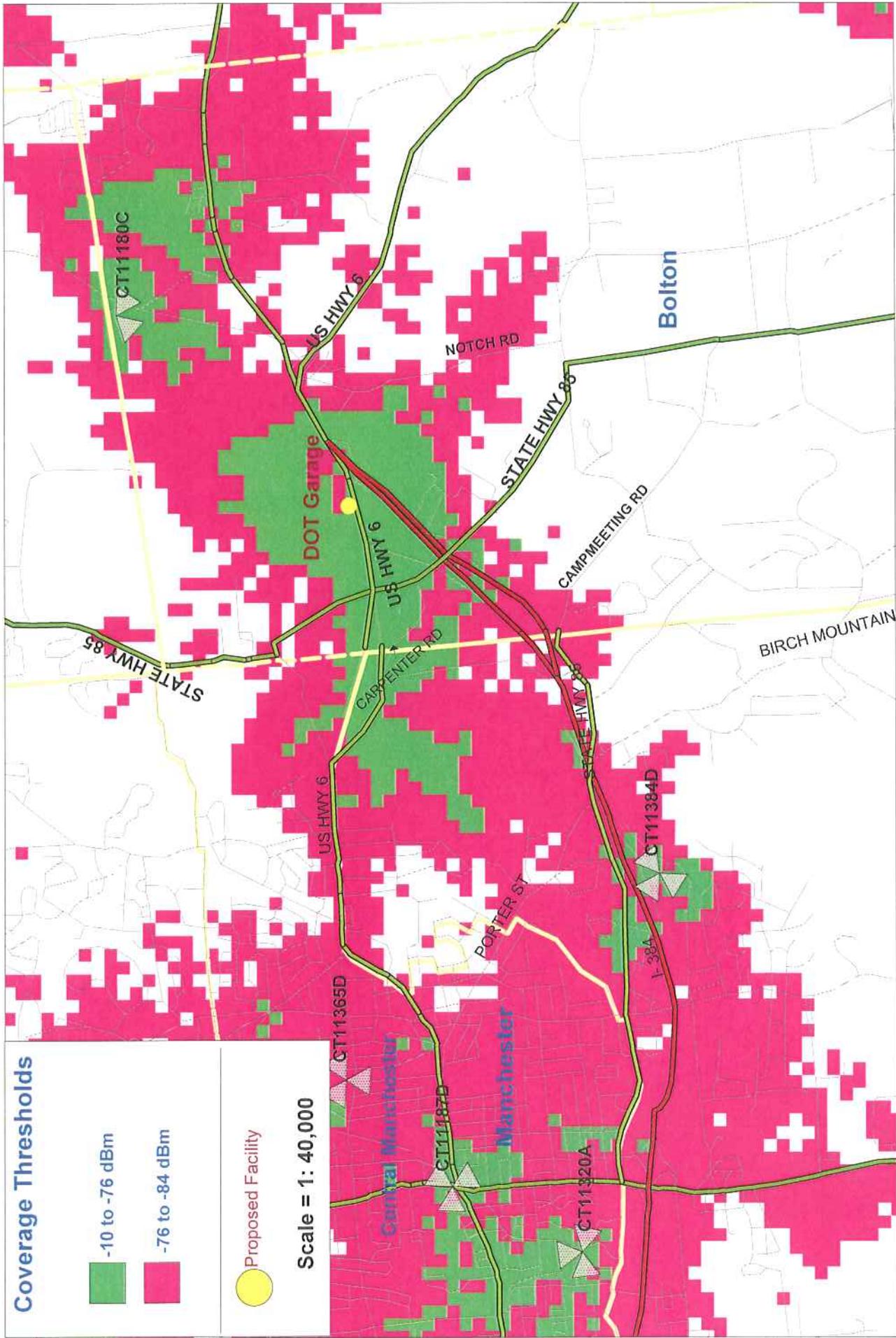
- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facility

Scale = 1: 40,000



DOT Garage location at 127'



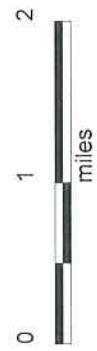
Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

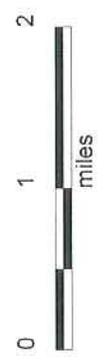
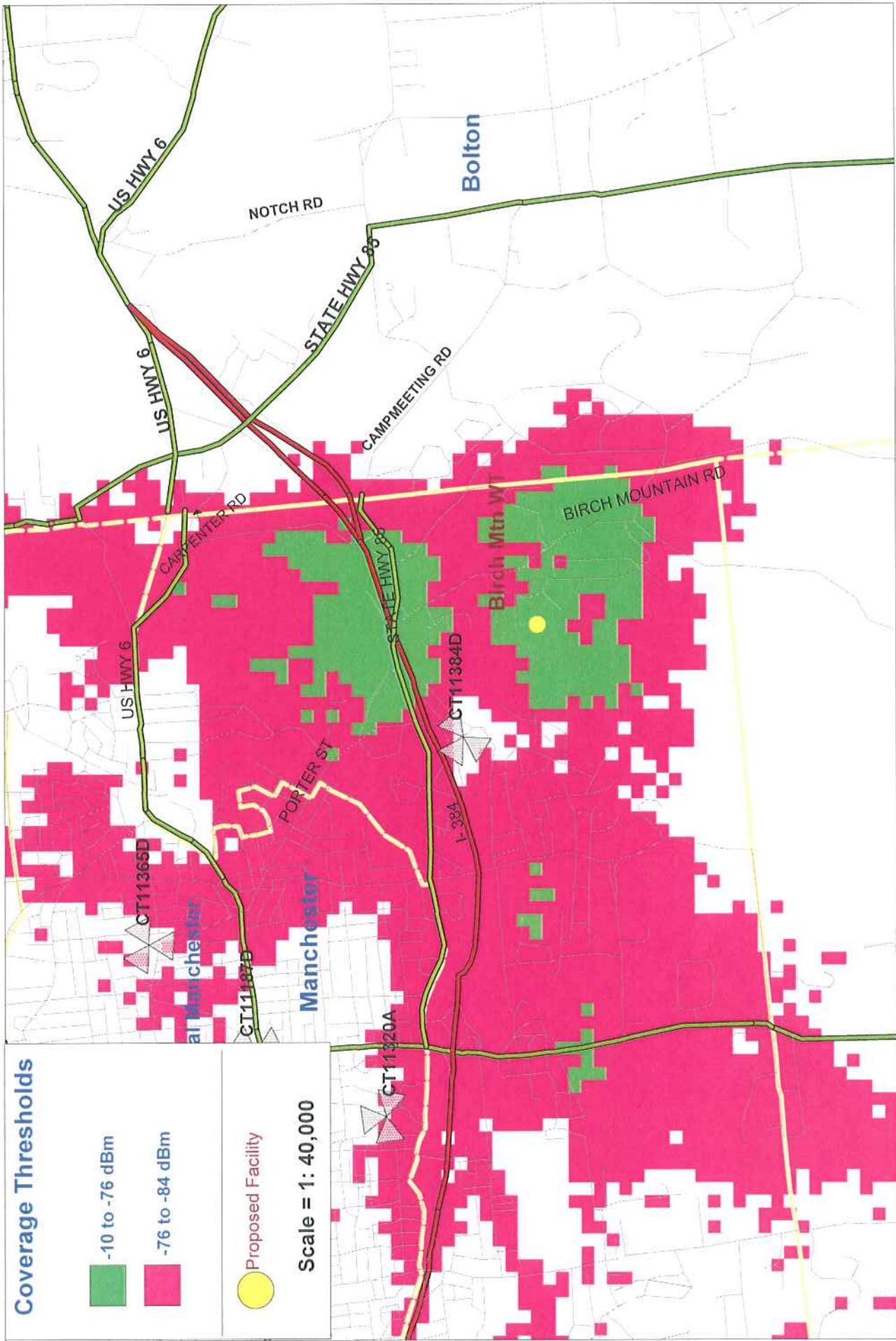
Proposed Facility

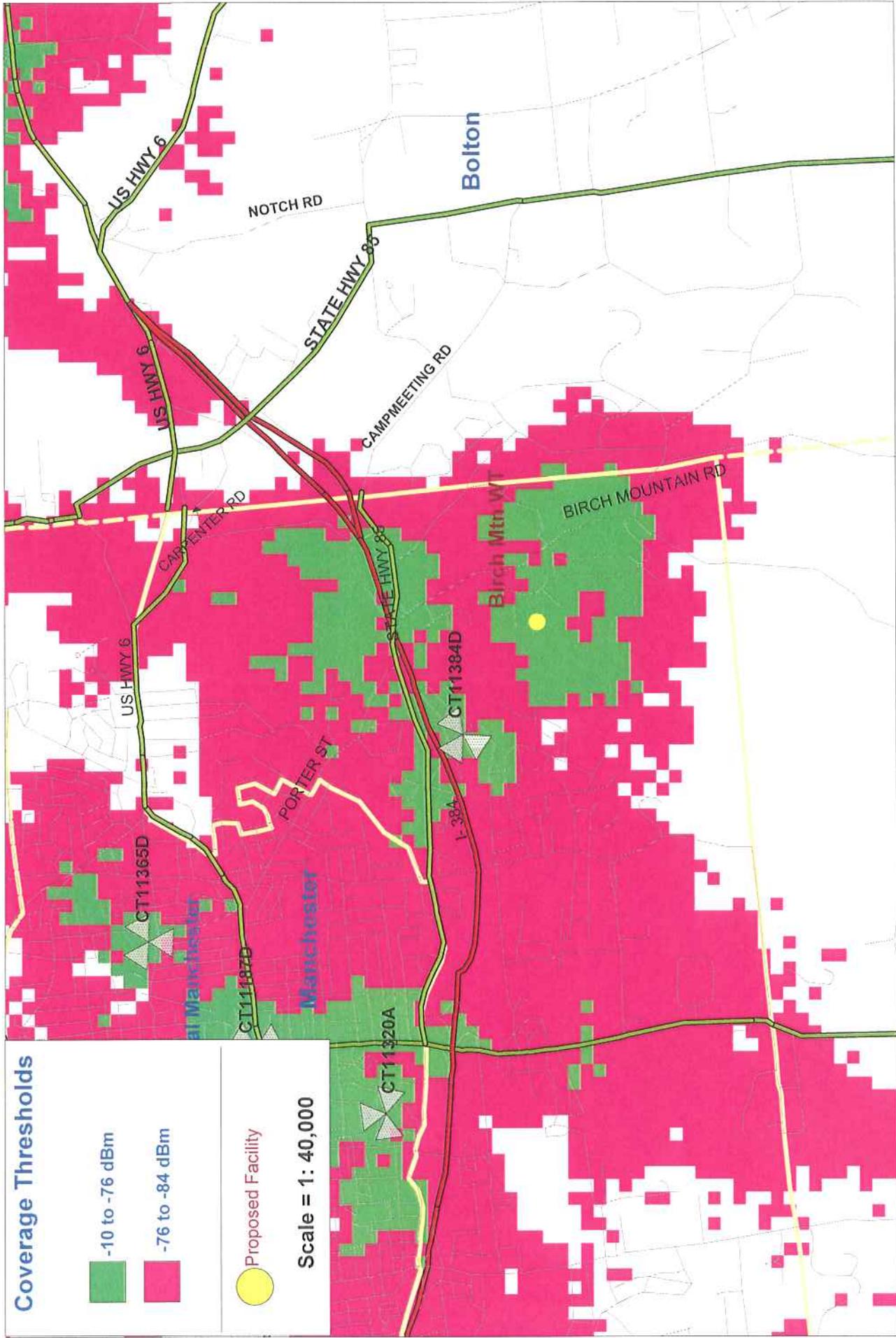
Scale = 1: 40,000

Existing T-Mobile Coverage With The DOT Garage location at 127'



E





Existing T-Mobile Coverage With The Birch Mtn WT location at 127°

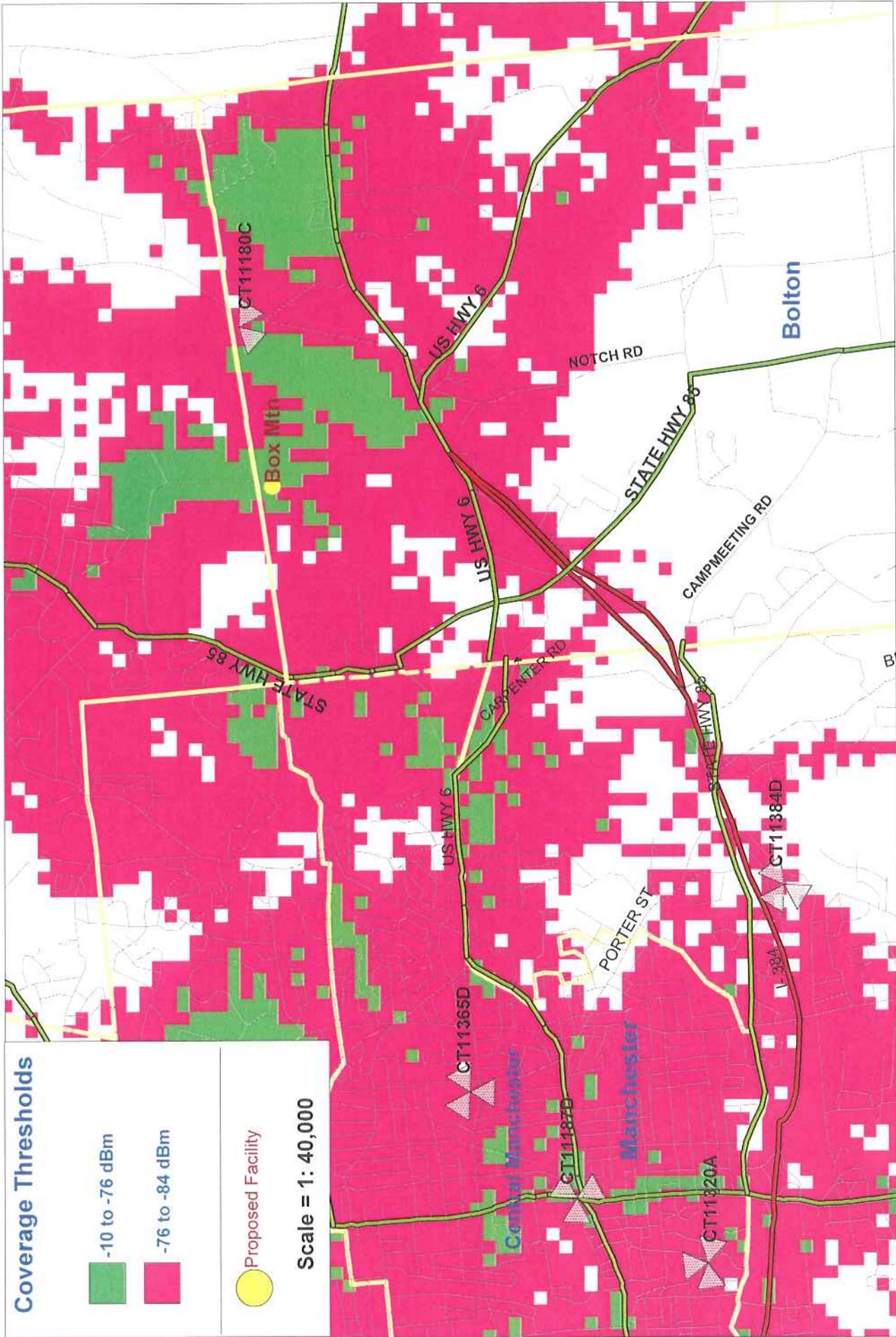


E

Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm
- Proposed Facility

Scale = 1: 40,000

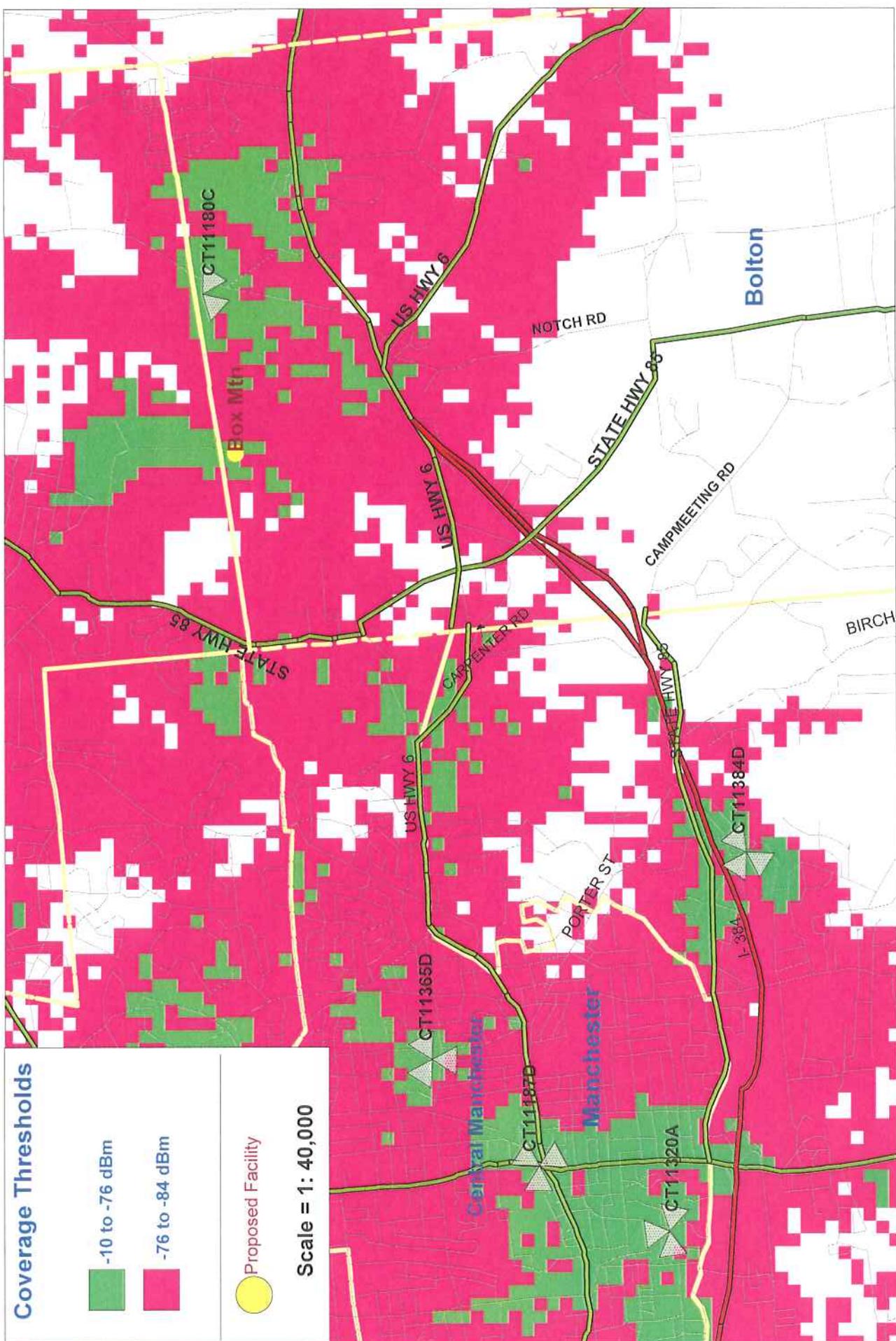


Box Mtn location at 127'

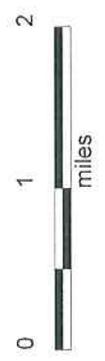
Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm
- Proposed Facility

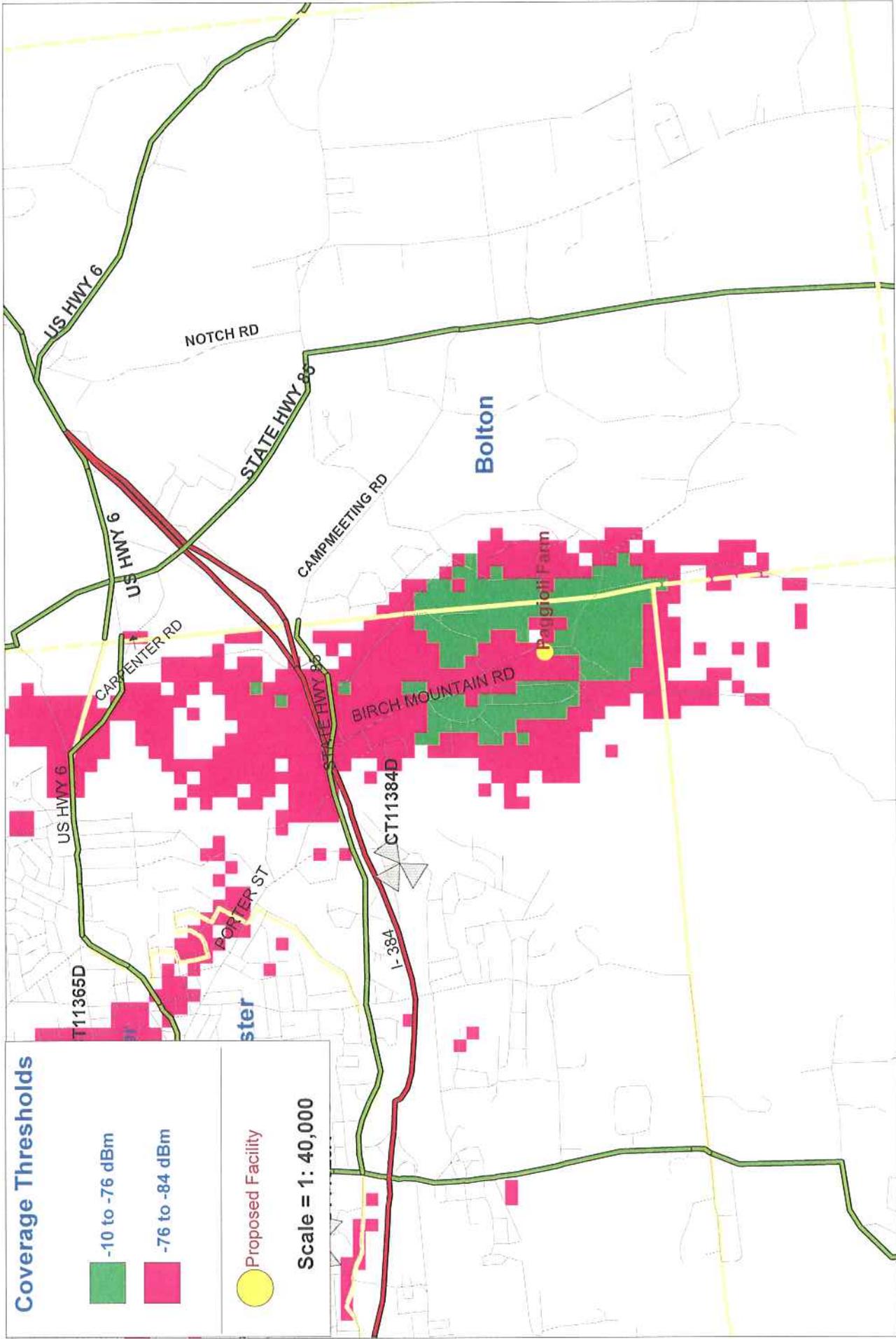
Scale = 1: 40,000



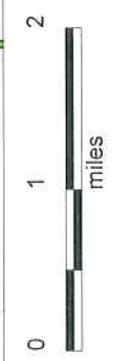
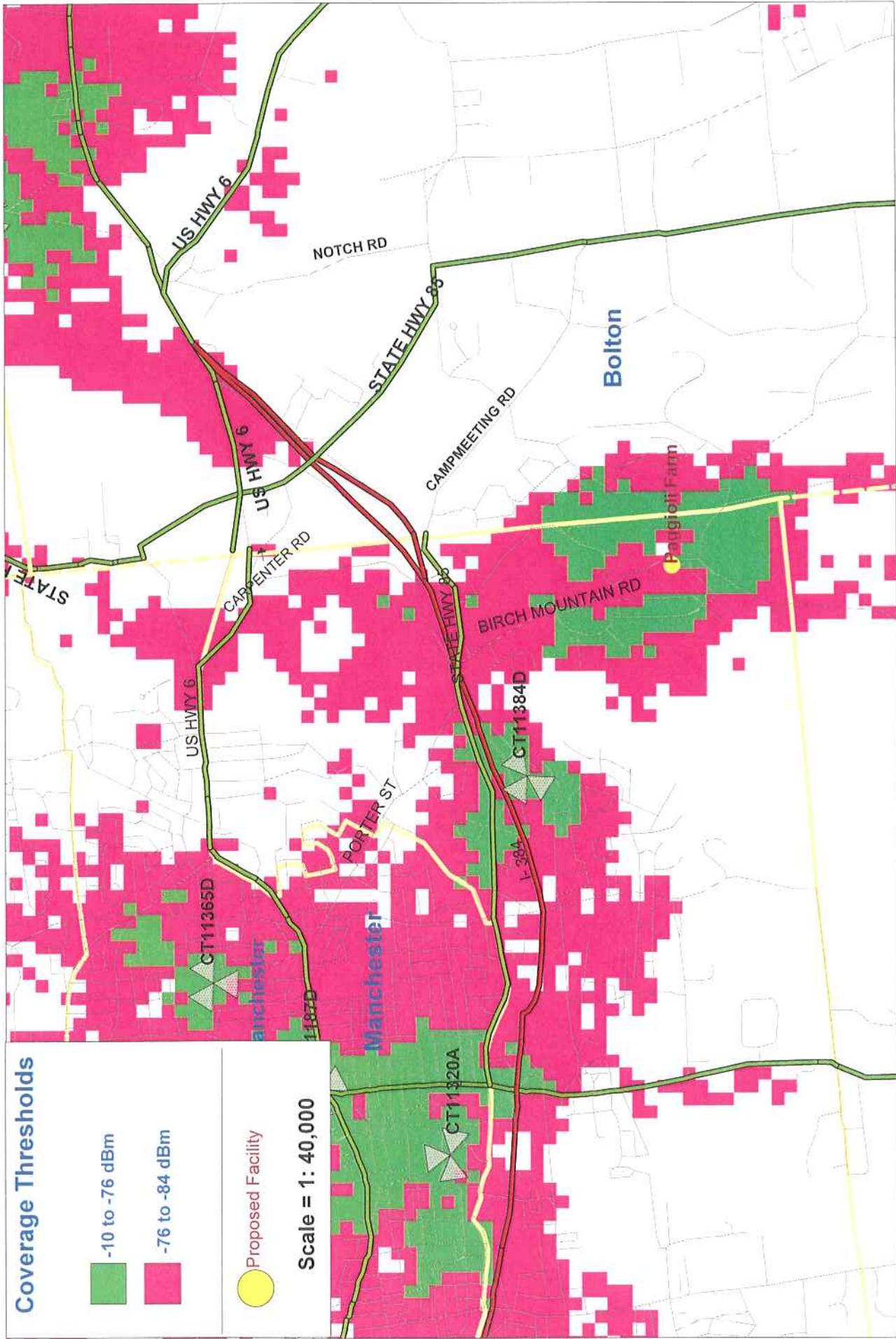
Existing T-Mobile Coverage With the Box Mtn location at 127'



G



Paggioli Farm location at 150'



H

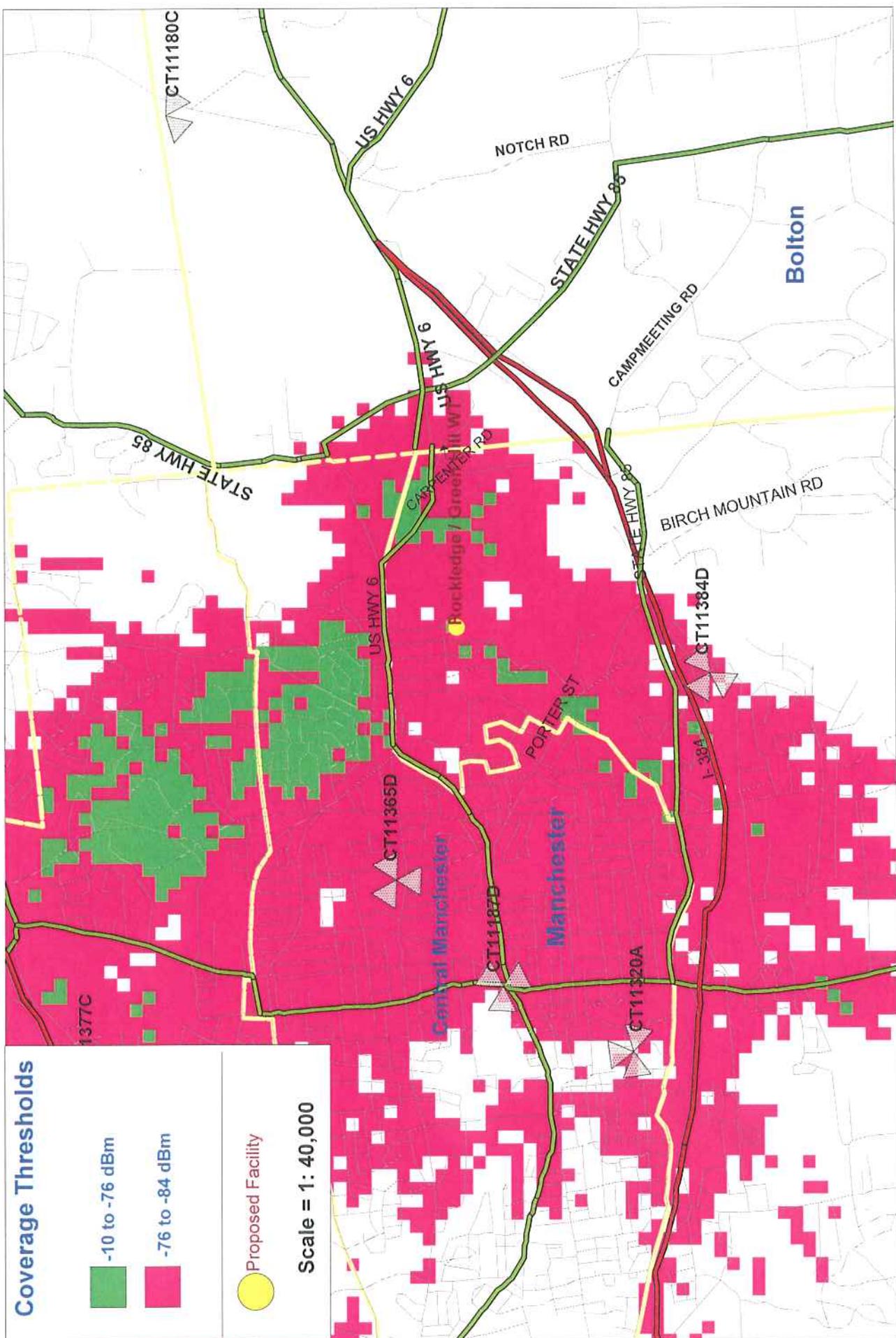


Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm

Proposed Facility

Scale = 1: 40,000



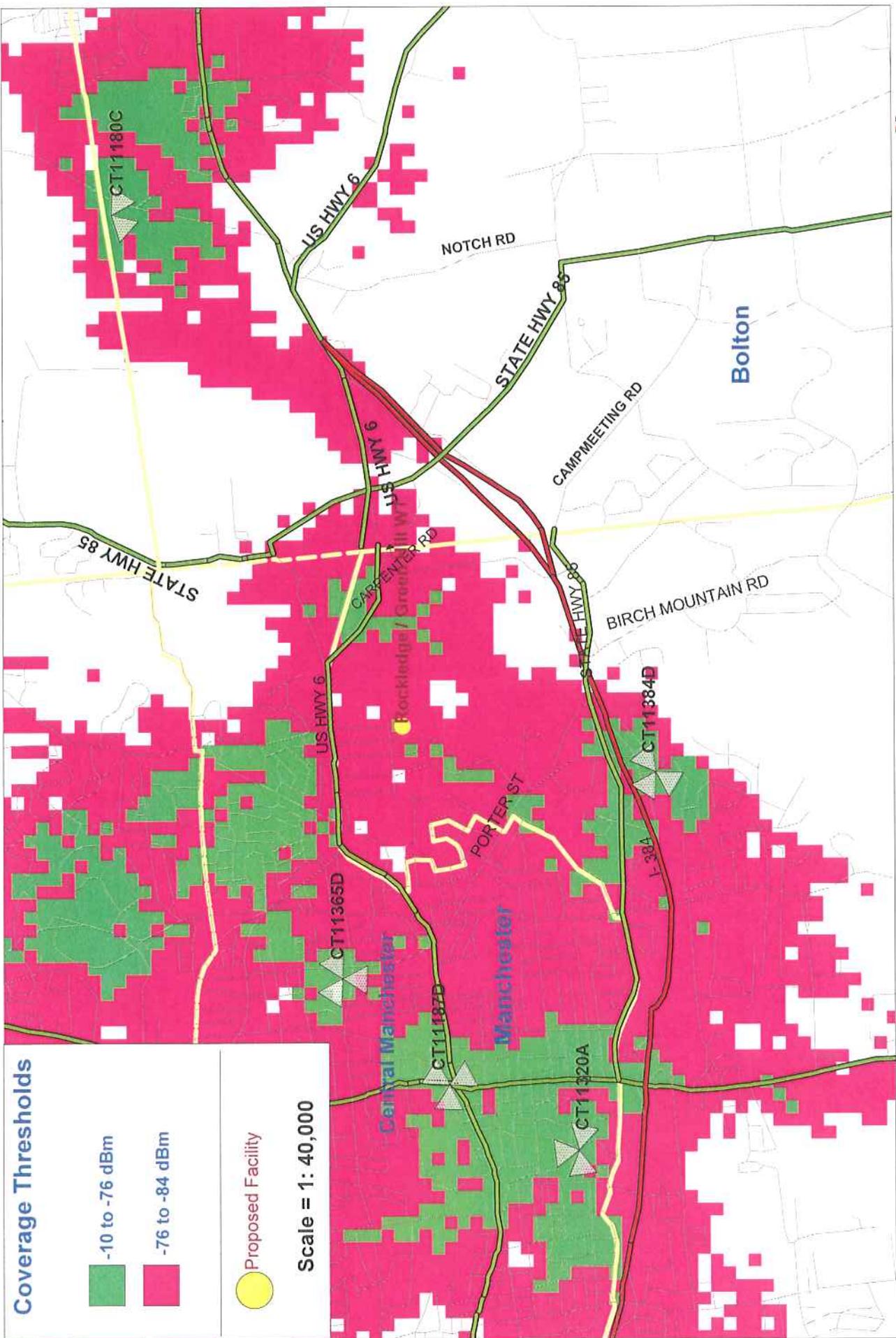
Rockledge / Green Hill Water Tank location at 150'

Coverage Thresholds

- 10 to -76 dBm
- 76 to -84 dBm



Scale = 1: 40,000



Existing T-Mobile Coverage With The Rockledge / Green Hill Water Tank location at 150'



9

**CERTIFICATE OF LAND
DESIGNATED AS "FOREST LAND"
CGS Section 12-107d**



State of Connecticut
Division of Forestry
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106
(860) 424-3630

Certificate No.

#10367

VED, TERRY L., LABIER, PATRICIA C.
14E CARPENTER ROAD
BOLTON, CT 06043

DATE

7/15/98

TOWN IN WHICH
ACREAGE IS LOCATED

BOLTON

NO. OF
ACRES
CERTIFIED

25.0

Upon application of the owner(s) of record of a tract or tracts of land in the above named town, I hereby certify that said tract(s) fulfill(s) the requirements of Section 12-107d of the General Statutes of the State of Connecticut.

State Forester

A handwritten signature in black ink, appearing to read "John D. ...", written over a horizontal line.

Issued in triplicate, the original to be filed in the State Forester's Office, one copy with the owner of the land, and one copy in the office of the assessor of the municipality in which the land is located.

10

James R. Kodlick, CE, PWS, RPA

MANAGER, ENVIRONMENTAL
RESOURCES GROUP

EDUCATION

Bachelor of Science in Biology

Indiana University of Pennsylvania, 1991

Bachelor of Arts in Anthropology

Indiana University of Pennsylvania, 1991

Masters of Science in Environmental Science and Policy

Johns Hopkins University, 1999

US Fish & Wildlife Service, Habitat Evaluation Procedure (HEP), 1998

Wildland Hydrology (Rosgen), Applied Fluvial Geomorphology, 1999

Advisory Council on Historic Preservation, Section 106 Review, 2000

National Preservation Institute, Telecommunications Towers: NEPA and NHPA, 2001

Wetlands Training Institute, Nationwide Permits Complete, 2002

PROFESSIONAL REGISTRATIONS

Registered Professional Archaeologist

Certified Senior Ecologist

Professional Wetland Scientist

PROFESSIONAL ORGANIZATIONS

American Water Resources Association

American Cultural Resources Association

Association of State Wetland Managers

Pennsylvania Association of Environmental Professionals

Pennsylvania Planning Association

Team Pennsylvania Foundation Ambassador

RELEVANT PROJECT EXPERIENCE

FCC NEPA Compliance, Various Telecommunication and Construction Clients

Senior Project Manager responsible for National Environmental Policy Act (NEPA) compliance, natural resource management, cultural resource management, viewshed analysis, and visual effect assessment for over 400 projects throughout the Mid-Atlantic, New England, and Mid-West Regions. Responsible for the completion of NEPA Summary Reports for proposed telecommunication tower locations. The primary objective of these investigations is to determine the effect of the tower on cultural and natural resources and to insure the client is in compliance with NEPA and Section 106 of the National Historic Preservation Act of 1966.



James R. Kodlick,
CE, PWS, RPA

CONTINUED

Streambank Stabilization and Floodplain Restoration Project, Former United Dye and Piece Works Property, York, PA

Senior Project Manager. Design and implementation of the streambank stabilization and floodplain restoration plan for Mill Creek on the former industrial property. Successfully completed and obtained two rounds of Pennsylvania Department of Environmental Protection Growing Greener Grant funding.

Riverview Redevelopment Project, Former Betzwood Industrial Park, Montgomery, PA

Senior Project Manager. Completion of the Environmental Assessment and Environmental Review Record necessary in obtaining Department of Housing and Urban Development Grant funding in reclaiming the former industrial property under the Brownfields Economic Development initiative.

Stewart Terrace Housing Redevelopment, New Windsor, NY

Senior Project Manager. Natural resource assessment and compliance services including wetland identification and delineation, floodplain assessment, permitting, and development of environmental compliance documentation.

Proposed Retail Development, Carlisle, PA

Senior Project Manager. Design and implementation of a Phase I Bog Turtle (*Clemmys muhlenbergii*) survey and a monumented vegetative survey to monitor the horizontal distribution of invasive plant species along the exceptional value LeTort Spring Run stream corridor.

The Preserve, Old Saybrook, Westbrook and Essex, CT

Senior Project Manager. Direct and coordinate all natural and cultural resource assessment and compliance activities in support of developing the project impact assessment compliance documentation, and securing all necessary permits and approvals.

Proposed Housing and Golf Development Plan, Marlborough, CT

Senior Project Manager. Direct and coordinate all natural and cultural resource assessment and compliance activities in support of developing the project impact assessment compliance documentation, and securing all necessary permits and approvals.

Mountaintop Mining/Valley Fill Environmental Impact Statement, WV, KY, and TN

Senior Scientist. Aquatic Impact issues analysis of mountaintop removal/valley fill mining operations in the Appalachia coalfields.

I-95/I-395 Transportation Improvement Project, Bangor, ME

Senior Scientist. Environmental Impact Study for proposed major transportation corridor improvement in and around the greater Bangor metropolitan area.

International Border Crossing Improvement Project, St. Stephen, New Brunswick and Calais, ME

Senior Scientist. Environmental Impact Study/Feasibility Analysis for proposed major improvement to the St. Stephen/Calais International Border Crossing.



James R. Kodlick,
CE, PWS, RPA

CONTINUED

SR 0412 Transportation Improvement Project, North Hampton, PA, Pennsylvania Department of Transportation

Senior Scientist. Environmental Impact Study for proposed transportation corridor improvement between Bethlehem and Hellertown, Pennsylvania.

I-76 Proposed Westgate Rest Area, Beaver County, PA, Pennsylvania Turnpike Commission

Senior Scientist. Phase I Archaeological Resource Identification Survey.

SR 0405 Proposed Muncy Bridge Replacement Project, Lycoming, PA, Pennsylvania Department of Transportation

Senior Scientist. Environmental Assessment for proposed replacement of the deteriorating Muncy bridge.

Proposed Pine Run Wastewater Interceptor, Hampden Township, Cumberland County, PA

Senior Scientist. Phase I Archaeological Resource Identification Survey.

US 301 Transportation Improvement Project, Charles County, MD

Senior Scientist. Environmental Impact Study, Streambank Characterization, and Tiered Environmental Impact Statement for the proposed US 301 Transportation Improvement Project bypassing Waldorf, Maryland.

Rock Creek Stream Restoration Project, Washington D.C., National Park Service

Senior Scientist. Stream Survey for the approximately 10-mile long stream corridor and design of restoration strategies for the removal of a series of 19th century check dams that impede anadromous fish passage.

SR 0015 Lisburn Road Interchange Transportation Improvement Project, Cumberland and York Counties, Pennsylvania, Pennsylvania Department of Transportation

Senior Scientist. Environmental Impact Study, wetland delineation, and development of the mitigation planting plan for the proposed Lisburn Road Interchange Project.

Montour Run Watershed, River Conservation and Land Use Plan, Allegheny, PS

Environmental Scientist. Environmental Studies investigations, and documentation related to the completion of the River Conservation and Land Use Plan for the 37 square mile Montour Run Watershed.

SR 0119 Improvement Project, Section 480, Homer City to SR 0022, Indiana County, Pennsylvania, PennDOT District 10-0

Senior Scientist. Wetland identification and delineation survey of the proposed SR 0119 improvement corridor. Phase I Archaeological Identification Survey.

SR 0074 Improvement Project, York County, Pennsylvania, PennDOT District 8-0

Environmental Scientist. Natural resource assessment for preparation of a Categorical Exclusion Evaluation for the proposed SR 0074 highway improvements.



James R. Kodlick,
CE, PWS, RPA

CONTINUED

B.C. Desar Property, Lebanon County, PA

Environmental Scientist. Wetland identification and delineation survey of the B.C. Desar property for proposed commercial development.

SR 11/15 Improvement Project, Perry County, PA, PennDOT District 8-0

Environmental Scientist. Wetland identification and delineation survey of the proposed SR 11/15 Improvement corridor. Phase III Archaeological Data Recovery of sites 36PE16, 36PE60, 36PE61, 36JU93, and 36JU95.

Red Lion Sewer System, New Castle County, DE

Environmental Scientist. Wetland identification and delineation survey of the proposed Red Lion Sewer System corridor.

West Goshen Sewage Treatment Plant Expansion, Chester, PA

Environmental Scientist. Wetland identification and delineation survey of the proposed expansion of the West Goshen Sewage Treatment Plant.

East Cocalico Township Authority's Well "F", Lancaster County, PA

Environmental Scientist. Wetland identification and delineation survey of the proposed East Cocalico Township Authority's public water supply Well "F".

Mon/Fayette Transportation Project, Fayette County, PA

Environmental Scientist. Stream Restoration Survey along the proposed corridor of the Mon/Fayette Expressway.

SR 0068, Section 350, East Brady Bridge Replacement, Armstrong and Clarion Counties, PA, PennDOT District 10-0

Environmental Scientist. Research project involving the historic ice flow elevations of the Allegheny River in the vicinity of the project area. Phase I Archaeological Identification Survey and Phase II Archaeological Significance Evaluation. Redevelopment of the Environmental Impact Statements.

SR 0219, Section CO9, Johnsonburg Improvement Project, Elk County, PA, PennDOT District 2-0

Environmental Scientist. Wetland identification and delineation survey of the proposed improvement project corridor.

Route 10, Man to Logan, Logan County, WV

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed 12-mile improvement corridor of Route 10 between the towns of Man and Logan, Logan County, West Virginia.

Mon/Fayette Transportation Project, Fayette County, PA

Environmental Scientist. Preliminary Area Reconnaissance survey along the proposed corridor of the Mon/Fayette Expressway.



James R. Kodlick,
CE, PWS, RPA

CONTINUED

I-95 Roadway Improvement Project, Stafford County, VA

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed 5-mile improvement corridor of I-95.

I-95 Roadway Improvement Project, Prince Georges County, MD

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed I-95 Improvement Corridor.

SR 0322 Improvement Project, Mifflin County, PA, PennDOT District 2-0

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed SR 0322 Improvement Corridor.

Derry Township – Inn at Walton Avenue, Dauphin County, PA

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed commercial development site.

Chester County Bridges, Chester County, PA, PennDOT District 6-0

Environmental Scientist. Wetland Identification and Delineation Survey of three proposed Bridge Improvement/Replacement sites.

Eldora/South Fairmont Interchange with I-79, Marion County, WV

Environmental Scientist. Wetland Identification and Delineation Survey of the proposed Eldora/South Fairmont Interchange Project.

I-95/I-276 Interchange, Bucks County, PA

Environmental Technician. Wetland Identification and Delineation Survey of the proposed I-95/I-276 Interchange Project area.

Goddard Space Flight Center, Prince Georges County, MD

Archaeologist. Phase I Archaeological Identification Survey.

Elk Mills Quarry Expansion Project, Cecil County, MD

Archaeologist. Phase I Archaeological Identification Survey.

I-95/I-276 Interchange, Bucks County, PA

Archaeologist. Phase I Archaeological Identification Survey of the proposed I-95/I-276 Interchange Project area.

US 301 Improvement Project, Price Georges County, MD

Archaeologist. Historic Resources Survey of the proposed US 301 Improvement Corridor.

I-95 Improvement Project, Stafford County, VA

Archaeologist. Phase I Archaeological Identification Survey of the proposed five-mile improvement corridor of I-95.

James R. Kodlick,
CE, PWS, RPA

CONTINUED

Mon/Fayette Transportation Project, Fayette County, PA

Crew Chief. Phase I Archaeological Identification Survey of proposed wetland mitigation site No. 55.

Mon/Fayette Transportation Project, Fayette County, PA

Archaeologist. Preliminary Cultural Resources Review of proposed wetland mitigation sites 26 and 28.

Newton Hamilton Bridge Replacement, Mifflin County, PA

Crew Chief. Phase II Archaeological Significance Evaluation of the Newtown Hamilton site (36M177).

Chester County Bridges (SR0926, SR4033, and SR3077), Chester County, PA

Crew Chief. Phase I Archaeological Identification Survey of the three areas of proposed bridge replacement.

Tinkers Creek (MD Rt. 5), Prince Georges County, MD

Archaeologist. Phase I Archaeological Identification Survey.

Bethlehem/Easton Transportation Needs Analysis (SR 2018 and SR2020), Northampton County, PA

Archaeologist. Preliminary Cultural Resources Review of proposed highway improvement corridors.

East Brady Bridge Replacement, Armstrong and Clarion Counties, PA

Crew Chief. Phase I Archaeological Identification Survey of the impacted area of the proposed bridge replacement project.

Mon/Fayette Transportation Project, Fayette County, Pennsylvania and Monongalia County, WV

Crew Chief. Phase II Archaeological Significance Evaluation of the proposed corridor of the Mon/Fayette Expressway.

Newton Hamilton Bridge Replacement, Mifflin County, PA

Crew Chief. Phase I Archaeological Identification Survey.

Greenside Vista, Proposed Housing Development, Baltimore County, MD

Crew Chief. Phase I Archaeological Identification Survey.

Athletic Field Construction, Navel Radio Transmitting Facility, Anne Arundel County, MD

Crew Chief. Phase II Archaeological Significance Evaluation of the Towne Neck Site (18AN944).

Johnsonburg (SR 0219) Improvement Project, Elk County, PA

Archaeologist. Phase I Archaeological Identification Survey.

Donegal Springs (SR 4002) Bridge Replacement, Lancaster County, PA

Archaeologist. Phase I Archaeological Identification Survey.

Chest Creek Bridge Replacement, Clearfield County, PA

Archaeologist. Phase I Archaeological Identification Survey.



James R. Kodlick,
CE, PWS, RPA

CONTINUED

MD 228 Wetland Mitigation Project, Charles County, MD

Archaeologist/Lab Technician. Phase III Archaeological Data Recovery of the Clifton Site (18CH358).

Hamilton Woods, Forest Drive Acres Sanitary Sewer Line, Adams County, PA

Archaeologist. Phase I Archaeological Identification Survey.

Mon/Fayette Transportation Project, Fayette County, PA

Archaeologist. Predictive Model Phase II Archaeological Significance Evaluation of rockshelters within the corridor of the proposed Mon/Fayette Expressway.

Mon/Fayette Transportation Project, Fayette County, Pennsylvania and Monongalia County, WV

Archaeologist. Phase I Archaeological Identification survey to investigate the potential significance of historic structures within the corridor of the proposed Mon/Fayette Expressway.

Mon/Fayette Transportation Project, Fayette County, Pennsylvania and Monongalia County, WV

Archaeologist. Preliminary Predictive Model Phase I Archaeological Identification Survey of the corridor of the Mon/Fayette Expressway.

Mifflinburg Buggy Museum, Union County, PA

Field Director/Crew Chief. Phase III Archaeological Data Recovery of a 19th century carriage shop, carriage house, and livery.

SR 0119, Corridor "G" Improvement Project, Mingo County, WV

Archaeologist. Phase III Archaeological Data Recovery of an Adena Burial Mound. Specialized in feature excavation, excavations of the central burial tomb, profile mapping, and laboratory analysis of faunal remains of the Cotiga Mound site (46MO1).

Castanea Bridge Replacement, Clinton County, PA

Archaeologist. Phase I Archaeological Identification Survey.

Lock Haven Dike/Levee Project, Clinton County, PA

Archaeologist. Phase III Archaeological Data Recovery of the Memorial Park site (36CN164).

Middlesex Township Municipal Authority Proposed Water Main Installation, Cumberland County, PA

Environmental Scientist. Phase I Archaeological Identification Survey.

Belvard Wetland Mitigation Project, Charles County, MD

Environmental Scientist. Phase I Archaeological Identification Survey includes the authoring and technical review of environmental assessments (EA), environmental impact statements (EIS), and categorical exclusions (CE).

James R. Kodlick, CE, PWS, RPA

CONTINUED

SUMMARY OF QUALIFICATIONS

Mr. Kodlick has over 15 years of interdisciplinary experience as a consultant in natural resource and cultural resource management. He has served clients in both the public and private sectors throughout the Mid-Atlantic region, New England, and the Mid-West. He specializes in National Environmental Policy Act (NEPA) compliance issues and consultation under Section 106 of the National Historic Preservation Act of 1966 (NHPA). He is a Certified Ecologist (CE) and a Professional Wetland Scientist (PWS) and has extensive natural resource management experience in providing the oversight and technical expertise for wetland delineation, functional assessment, and mitigation, stream assessment and restoration, watershed conservation, rare, threatened, and endangered species consultation, and aquatic and terrestrial ecological assessment. Mr. Kodlick is also a Registered Professional Archaeologist (RPA) and has extensive cultural resource management experience including the design, implementation, and management of Phase I Identification Surveys, Phase II Significance Evaluations, and Phase III Data Recovery Excavations. His cultural resource management experience also includes historic preservation, historic preservation law, architectural history, NRHP-eligibility determinations, watershed assessments, direct and indirect (visual) effect determinations, public involvement, and Native American consultation. Mr. Kodlick's additional education and experience in the natural sciences and environmental policy have proven invaluable in many cross-discipline applications such as floral and faunal analysis, osteology, anatomy, chemistry, pedology, geomorphology, fluvial geomorphology, landscape genesis, scale-dependent geographic analysis, climatology, probability and analysis of variation (ANOVA), and other relevant disciplines. His NEPA compliance experience includes the authoring and technical review of environmental assessments (EA), environmental impact statements (EIS), and categorical exclusions (CE).

Olivia Braun

PROJECT SCIENTIST

EDUCATION

Bachelor of Science in Geoenvironmental Studies
Shippensburg University, 2003

RELEVANT PROJECT EXPERIENCE

Phase I Environmental Site Assessments

Reviewed and assessed Phase I Environmental Site Assessments (ESAs) on residential, commercial and industrial properties in Burlington County, New Jersey for the purpose of land acquisitions and park development.

Phase II Site Investigations

Assessed Phase II Site Investigations (SIs) on residential and commercial properties in New Jersey, including soil and water samples, the logging of borings, interpretation of data analysis, and the completion of Phase II Site Investigation Reports.

Site Remediation

Coordinated and reviewed documentation concerning the remediation of residential and commercial lands in New Jersey for the purpose of obtaining a No Further Action determination from the New Jersey Department of Environmental Protection.

Burlington County, NJ

Assisted in the organization of the Remedial Action Work Plan for the remedial efforts necessary to use the property as a public park. Reviewed soil samples data and aided in the determination of the required remedial efforts through coordination with the New Jersey Department of Environmental Protection.

NEPA Compliance

Aided in the preparation and submission of NEPA reports for various sites throughout Pennsylvania, New Jersey, and Delaware by compiling information from the State Historic Preservation Office, Phase I reports and site investigations.

Wetland Delineation

Participated in the determination of wetlands in various locations in Pennsylvania through the use of soil borings, vegetation identification, and hydrologic data.

Water Sampling

Assisted in the process of water sampling over an extended amount of time to determine the presence and monitor the levels of ground water contamination at sites in Pennsylvania as well as completed all loggings of samples and chain of custody information.



Olivia
Braun
CONTINUED

SUMMARY OF QUALIFICATIONS

Olivia Braun has experience in the environmental sciences consulting industry. Her technical background includes completion of Phase I Environmental Site Assessments, the assessment of Phase II Site Investigations, NEPA Compliance Assessments, and collection of soil and water samples.

Scott Mowery

PROJECT MANAGER

EDUCATION

Bachelor of Arts in Geo-Environmental Studies
Shippensburg University, 1993

RELEVANT PROJECT EXPERIENCE

NEPA Summary Reports and Phase I Environmental Assessments, American Tower Corporation, Various Locations, Northeast and Mid-Atlantic Region

Conducted NEPA checks and Phase I Environmental Assessments for proposed telecommunication tower locations. Determined effect tower would have on natural and cultural resources. Performed all aspects of field reconnaissance, research, and report preparation.

Wetland Identification and Delineation, American Tower Corporation, Various Locations, Northeast and Mid-Atlantic Region

Conducted wetland identification and delineation on proposed telecommunication tower locations. Performed all aspects of wetland determination, including the identification of wetland boundaries, data collection, report preparation, and permitting.

Redevelopment Project, Spring Garden Township, York County, PA

Conducted wetland identification and delineation for a 54 acre parcel of land for the development of recreational areas. Responsible for wetland boundaries, data collection, analysis, permitting, and technical report writing. Also conducted a streambank survey for an 850 foot stretch of Mill Creek for the redevelopment of recreational areas. Responsible for surveying stream features, including bank height, stream depth, and stream width for the development of a conceptual plan for proposed restoration.

Home Depot Site, OLYMPIC Realty and Development Corporation, Borough of Carlisle, Cumberland County, PA

Conducted stream survey for length of Letart Spring Run to determine whether the stream was a gaining or losing system within the study corridor for a potential mixed use development site.

Stewart Terrace Housing Redevelopment, Department of the Navy, New Windsor, NY

Conducted wetland identification and delineation for a 90 acre parcel of land for the redevelopment of private housing. Performed all aspects of wetland determination, including the identification of wetland boundaries, data collection, and report preparation.

Phase II Environmental Assessment, American Tower Corporation, Pipersville Site, PA

Conducted a Phase II Environmental Assessment for the proposed expansion of a telecommunications tower compound. Collection and preparation of soil samples to determine the effect of past contamination of the surrounding property on the expansion area.

Riverview Redevelopment Project, O'Neill Properties, West Norriton Township, Montgomery County, PA

Conducted data collection, analysis, and technical report writing as part of an Environmental Assessment for the redevelopment of a 63 acre parcel of land into commercial, retail, and residential properties along the Schuylkill River

I-95 and I-276 Interchange Project, Pennsylvania Turnpike Commission, Bucks and Philadelphia Counties, PA

Conducted wetland delineation, data collection, and analysis as part of a Design Location Study and Environmental Impact Statement for the interchange of I-95 and I-276.

I-95 Intermodal Project, Pennsylvania Department of Transportation, Bucks and Philadelphia Counties, PA

Conducted various environmental studies, including Anderson Land Use mapping, and wetland delineation for the preparation of environmental documents for the reconstruction, rehabilitation, and improvements of Interstate 95.

S.R. 0068 Section 350, East Brady Bridge Project, Pennsylvania Department of Transportation, Armstrong and Clarion Counties, PA

Conducted wetland delineation and technical report writing for the replacement of the East Brady Bridge and the improvement of roadway approaches.

S.R. 0219, Johnsonburg Improvement Project, Pennsylvania Department of Transportation, Elk County, PA

Conducted wetland delineation, data collection, Anderson Land Use mapping, PAM-HEP Habitat Evaluation, and technical report writing for addressing traffic and safety concerns associated with the alignment of Route 219, through Johnsonburg and the Willamette Industries, Inc. paper mill.

Spring Creek Bridge Replacement Project, Pennsylvania Department of Transportation, Centre County, PA

Conducted Section 105 Permit Application Checklist preparation, technical report writing, and wetland delineation for the replacement of an existing bridge and adjustments of roadway alignments associated with the bridge.

Newton Hamilton Bridge Replacement Project, Pennsylvania Department of Transportation, Mifflin County, PA

Conducted wetland delineation for the replacement of an existing bridge over the Juniata River.

Scott Mowery

CONTINUED

Mon/Fayette Transportation Project, Pennsylvania Turnpike Commission, Fayette County, PA and Monongalia County, WV

Conducted wetland field verification, data collection, and Phase I Archaeological studies for transportation improvements to help meet traffic safety and capacity needs, and to support economic redevelopment efforts in the 65 mile long corridor between I-68 in Morgantown, West Virginia and I-376 in Pittsburgh, Pennsylvania.

Defense Distribution Region East Connector Road, Pennsylvania Turnpike Commission, York County, PA

Conducted hazardous waste studies and soil borings for the evaluating of access improvements to the Defense Distribution Region East.

U.S. 0322, Section B01, "Missing Link", Pennsylvania Department of Transportation, Mifflin County, PA

Conducted wetland mitigation site determinations for a four lane limited access link between S.R. 0655 and the four lane section of S.R. 0322 north of the Mount Pleasant Community.

Ground Water Monitoring, Rite Aid Corporation, Philadelphia, PA

Conducted ground water sampling at a Rite Aid retail store in order to satisfy requirements of the Pennsylvania Department of Environmental Protection

SUMMARY OF QUALIFICATIONS

Scott Mowery has 7 years of experience in Wetland Delineation, Stream Studies, Phase I Archaeology, and Phase I and II Environmental Assessments. His work experience includes projects in both the public and private sectors. Scott's responsibilities have included hazardous waste studies, soil borings, and all wetland-related project work, including delineation of wetland boundaries, data collection, permitting, and technical report writing. He also is experienced in Anderson Land Use Mapping and the Cowardin Classification of Wetland and Deep Water Habitats.

11

MCF Bolton



Map center: 41° 46' 42" N, 72° 27' 48" W



Legend

- CONUS_wet_scan
 - 0
 - 1
- Out of range
- Interstate
- Major Roads
- Other Road
- Interstate
- State highway
- US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
 - Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine
- Lower 48 Available Wetland Data
 - Non-Digital
 - Digital
 - No Data
 - Scan
- NHD Streams
- Counties 100K
- Urban Areas 300K
- States 100K
- South America



Scale: 1:21,155

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

12

