

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

IN RE:

APPLICATION OF OPTASITE TOWERS LLC
AND OMNIPOINT COMMUNICATIONS, INC.
FOR A CERTIFICATE OF ENVIRONMENTAL
COMPATIBILITY AND PUBLIC NEED FOR
THE CONSTRUCTION, MAINTENANCE AND
OPERATION OF A TELECOMMUNICATIONS
FACILITY AT 651 PADDOCK AVENUE IN
CITY OF MERIDEN, CONNECTICUT

DOCKET NO. 329

Date: MAY 25, 2007

**CO-APPLICANTS OPTASITE TOWERS LLC AND OMNIPOINT
COMMUNICATIONS, INC. SUPPLEMENTAL SUBMISSION**

Co-applicants Optasite and T-Mobile submit the following supplemental information regarding a revised site location requested by the Connecticut Siting Council at the May 3, 2007 public hearing:

	Location A¹ (“parking lot” site)	Location B (“woods” site)	Location C (new location)
Minimum Required Tower Height	120'	120'	120'
Compound Size	50' by 90'	44' by 50'	44' by 50'
Property Line Setbacks	120'	93'	171'
Setback from Nearest Residential Property	146'	146'	131'
Setback from wetlands	173'	18'	57'
Tree Removal	0 trees 6” or greater in diameter	11 trees 6” or greater in diameter	0 trees 6” or greater in diameter
Cut/Fill Required	None	2 cubic yards of cut, 10 cubic yards of fill	None
Visual Impact	42 residences with partial year round views; additional 48 residences with partial seasonable views	Same as Site A	Same as Site A
Historic Impact	None	None	None
FAA	No lighting required	No lighting required	No lighting required

¹ Attached hereto as Exhibit A, B and C respectively are site plans and propagation maps from each of these three alternate locations.

I. LOCATION C

Pursuant to the Siting Council's request, the Applicants have investigated an alternative location on the property located at 651 Paddock Avenue (the "Property") on which to locate the proposed 120-foot stealth monopole and associated equipment (the "Site"). Site plans and details of the Facility design at Location C, including a site plan, compound plan and tower elevation, are attached hereto as Exhibit C.

A. Facility Design

Optasite has leased a 5,000 square foot parcel within the Property. The Site at Location C would at a minimum require the construction of a 120 foot high self-supporting monopole. As discussed in the Applicants' Application (Applicants' Exhibit 1), the Applicants have voluntarily chosen a stealth monopole design, painted brown, with antennas flush-mounted so as to reduce any potential visual impact of the proposed Facility. T-Mobile would install three panel antennas, flush-mounted at 117 feet AGL and would occupy an equipment shelter approximately 10 feet by 20 feet in size within a 44 foot by 50 foot compound. Again, the Applicants have voluntarily chosen to reduce the size of the proposed compound from the originally-considered 50 foot by 90 foot compound in order to reduce any potential environmental

impacts associated with the equipment compound.

The equipment compound would be enclosed by a wooden, stockade fence. In addition, the Applicants would install plantings around the stockade fence as well as along adjacent property lines in order to further reduce any potential visual impact.

At Location C, vehicular access to the Facility would extend from Paddock Avenue over an existing asphalt-paved driveway and over a small portion of a new, gravel driveway. Underground utility connections would extend from existing service on Paddock Avenue to the equipment compound. Development of the access driveway and Facility will result in the removal of no trees.

B. Environmental Impact

Pursuant to Connecticut General Statutes (“CGS”) Section 16-50p, the Council is required to find and to determine as part of the Application process any probable environmental impact of the facility on the natural environment, ecological balance, public health and safety, scenic, historic and recreational values, forest and parks, air and water purity and fish and wildlife. As demonstrated in the Application (Applicants’ Exhibit 1) and additional documentation, the proposed Facility at Location C will have no significant

adverse environmental impacts.

1. Visual Assessment (Witness: Michael Libertine)

The Visual Resource Evaluation, dated August, 2006, evaluated the visual impact of the proposed Facility from Location A. Location C proposed to shift the compound approximately 50 feet to the west on the Property from Location A.

The shift of the Facility and compound of 50 feet is considered minor and does not have an effect on the conclusions regarding the visibility of the Facility. Specifically, there is little to no difference in the visual impact of the tower itself from any of the three alternate locations.

The 50 foot shift to the west in Location C will serve to reduce the visual impact of portions of the tower and compound from abutting properties because it would now be placed on the edge of the existing tree line, providing vegetative screening as a visual buffer. Location A provided little to not existing vegetative screening as it was more centrally located in the parking area. Further, the size of the compound would now be reduced in size from 50 feet by 90 feet down to 44 feet by 50 feet. That, coupled with the proposed stockade fence, helps to create less of a direct visual impact from several nearby locations, particularly the immediate, abutting landowners and

the Wilbur Cross Parkway. Of note, the Wilbur Cross Parkway is not designated as a scenic or historic road.

The Facility at Location C will not directly affect any additional sensitive visual receptors. As discussed in pre-filed testimony (Applicant's Exhibit 5), distant views may be achieved from select locations along the Mattabesett Trail where it traverses the Beseck Mountain ridgeline to the east. However, those views, if any, will be largely mitigated by the design of the Facility itself (a brown stick) and its distance, as well as the existence of taller commercial and industrial buildings in the vicinity that will act as visual buffers.

2. Wetlands Impact (Witness: Thomas Pietras)

Based upon inspection of the Property, there is a small, isolated wetland area, described as a forested swamp, in the western portion of the Property. This is the area of the Property that directly abuts Route 15, the Wilbur Cross Parkway. The wetlands that exist on the Property are not high quality. The wetlands have low-moderate quality. While the wetland soils provide good hydrology, the functionality of this wetland is severely limited due to the fact that it is a small, isolated wetland completely surrounded by development, including the Wilbur Cross Parkway. In addition, the quality of this wetland is partially degraded by the fact that runoff from the Wilbur Cross

Parkway does drain into the wetland.

According to the proposed site plan for Location C, the nearest wetland is approximately 57 feet of the proposed Site and is located outside of the 50 foot wetland buffer required by the City of Meriden. Based upon the location of the Site at Location C and the distance away from the wetlands, construction of a facility at Location C will not result in any direct or indirect impact on the wetlands.

3. Additional Environmental Factors (Witness: Michael Libertine)

As discussed in pre-filed testimony (Applicants' Exhibit 5), VHB conducted a Phase I Environmental Assessment as well as a NEPA screen of the Property. Both the Phase I and NEPA screen are applicable to the Property as a whole. Any conclusions contained therein are applicable to all three proposed alternate locations, including Location C. Therefore, based upon the NEPA screen and agency correspondence, Location C is categorically excluded from any requirement for further environmental review by the FCC in accordance with NEPA and no permit is required by that agency prior to construction of the proposed Facility.

4. Power Density Analysis

In August 1996, the FCC adopted a standard for exposure to Radio Frequency ("RF") emissions from telecommunications facilities like those proposed in this Application. To ensure compliance with applicable standards, T-Mobile has performed maximum power density calculations for the proposed Facility assuming that the antennas were pointed at the base of the tower and all channels were operating simultaneously. The resulting power density for T-Mobile's operations at the proposed site would be approximately 5.6715% of the applicable MPE standards. This calculation remains the same for each of the alternate locations, including Location C.

Respectfully Submitted,

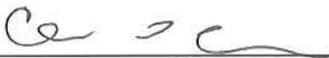
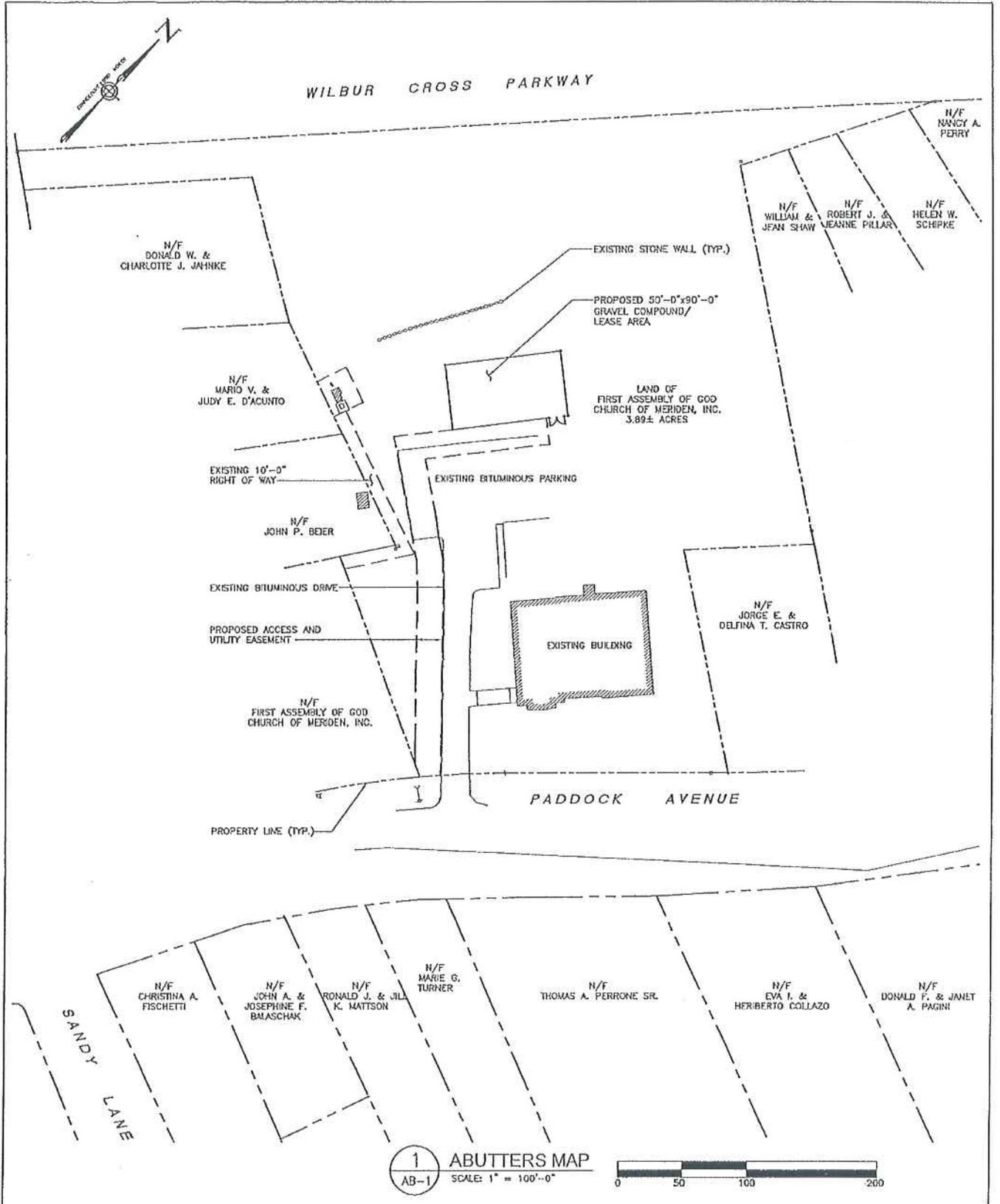
By: 
Attorneys for the Applicants
Julie D. Kohler, Esq.
jkohler@cohenandwolf.com
Carrie L. Larson, Esq.
clarson@cohenandwolf.com
Cohen and Wolf, P.C.
1115 Broad Street
Bridgeport, CT 06604
Tel. (203) 368-0211
Fax (203) 394-9901

EXHIBIT A



1
AB-1 ABUTTERS MAP
SCALE: 1" = 100'-0"



URS
URS CORPORATION-AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT. 06067
1-(860)-529-8882
1-(860)-529-5566 (FAX)

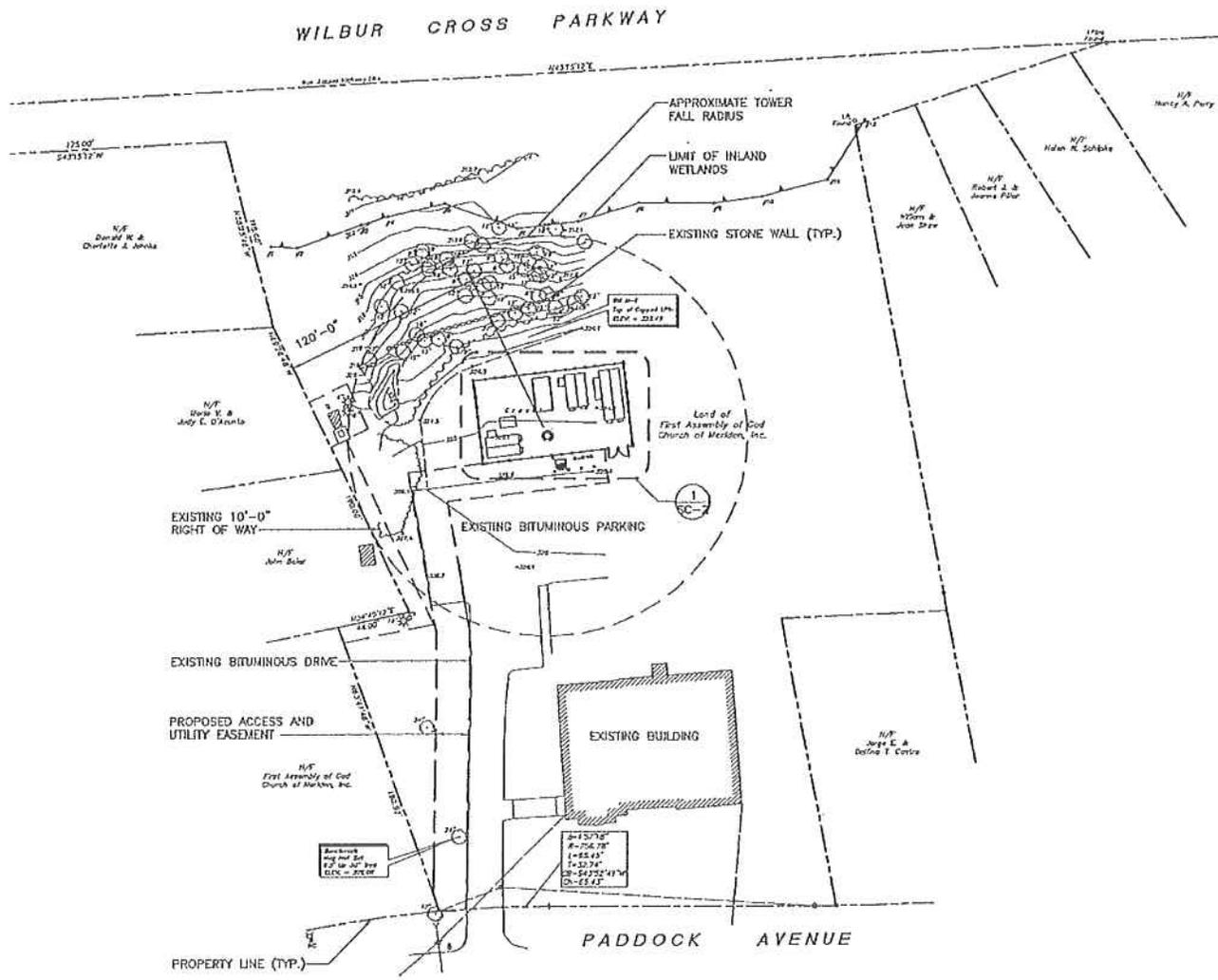
Optasite
ONE RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581
(508) 773-2460

DRAWING TITLE: ABUTTERS MAPS
PROJECT INFORMATION:
FIRST ASSEMBLY OF GOD
651 PADDOCK AVENUE
MERIDEN, CONNECTICUT

DRAWING TITLE	
AB-1	
REVISION NO. 0	DRAWN BY: RRH
DATE ISSUED: 02/27/06	CHECKED BY: PJS
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 1 OF 1
URS JOB NO.: 077011 (36915451.00003)	



PROPOSED UTILITIES TO BE CONFIRMED AFTER MEETING WITH UTILITY COMPANY.



1 SITE ACCESS MAP
L-1 SCALE: 1"=200'-0"

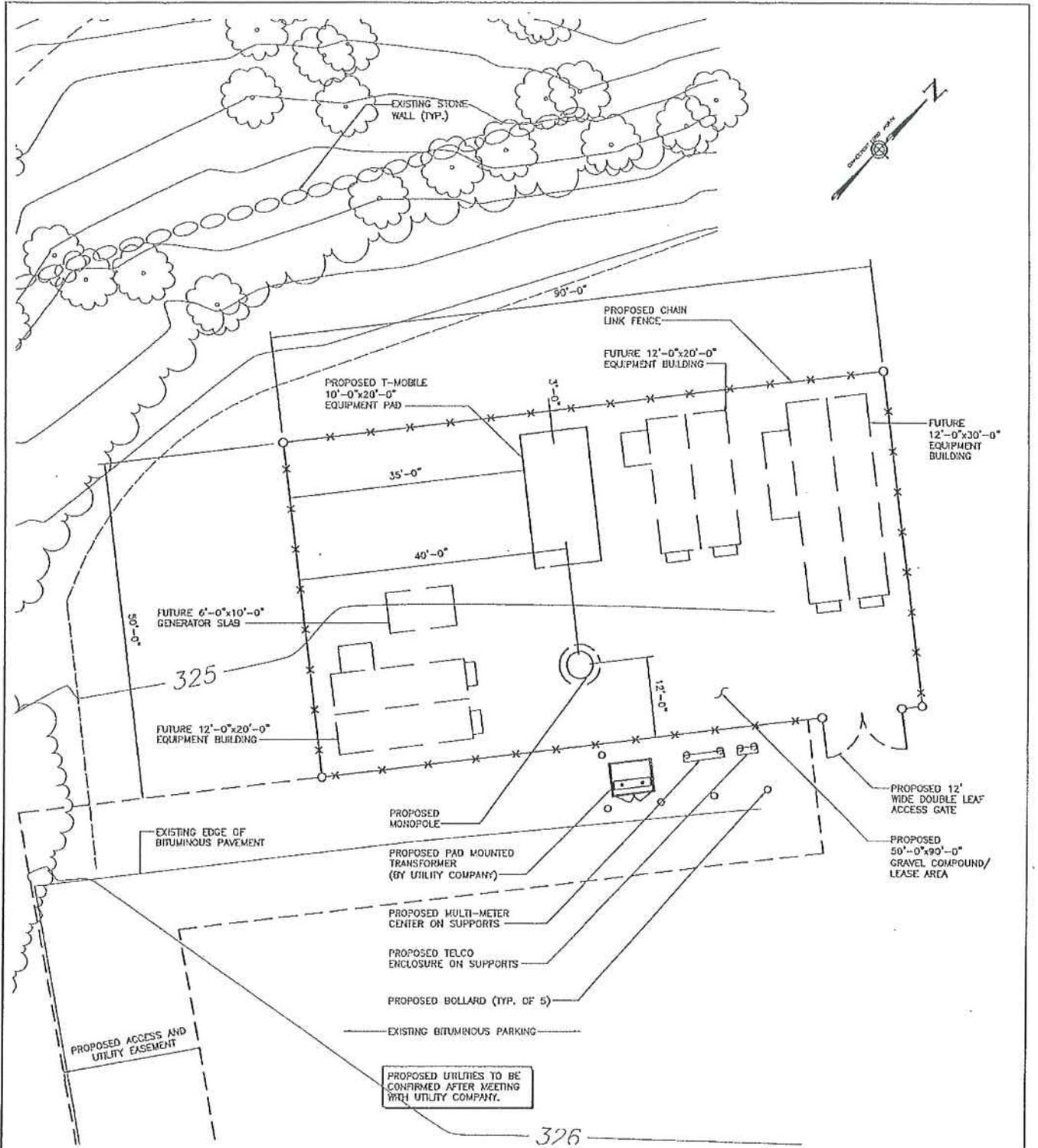


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URS CORPORATION-AES
500 ENTERPRISE DRIVE
ROCKY HILL, CT. 06067
1-(860)-529-8892
1-(860)-529-5566 (FAX)

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Optasite
ONE RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581
(508) 779-2400

DRAWING TITLE: SITE ACCESS MAP
PROJECT INFORMATION:
FIRST ASSEMBLY OF GOD
651 PADDOCK AVENUE
MERIDEN, CONNECTICUT

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SC-1	
REVISION NO. 0	DRAWN BY: RRH
DATE ISSUED: 02/27/05	CHECKED BY: PJS
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 1 OF 3
URS JOB NO.: OPT011 (36915451.00003)	



1 COMPOUND PLAN
 SC-2 SCALE: 1" = 20'-0"

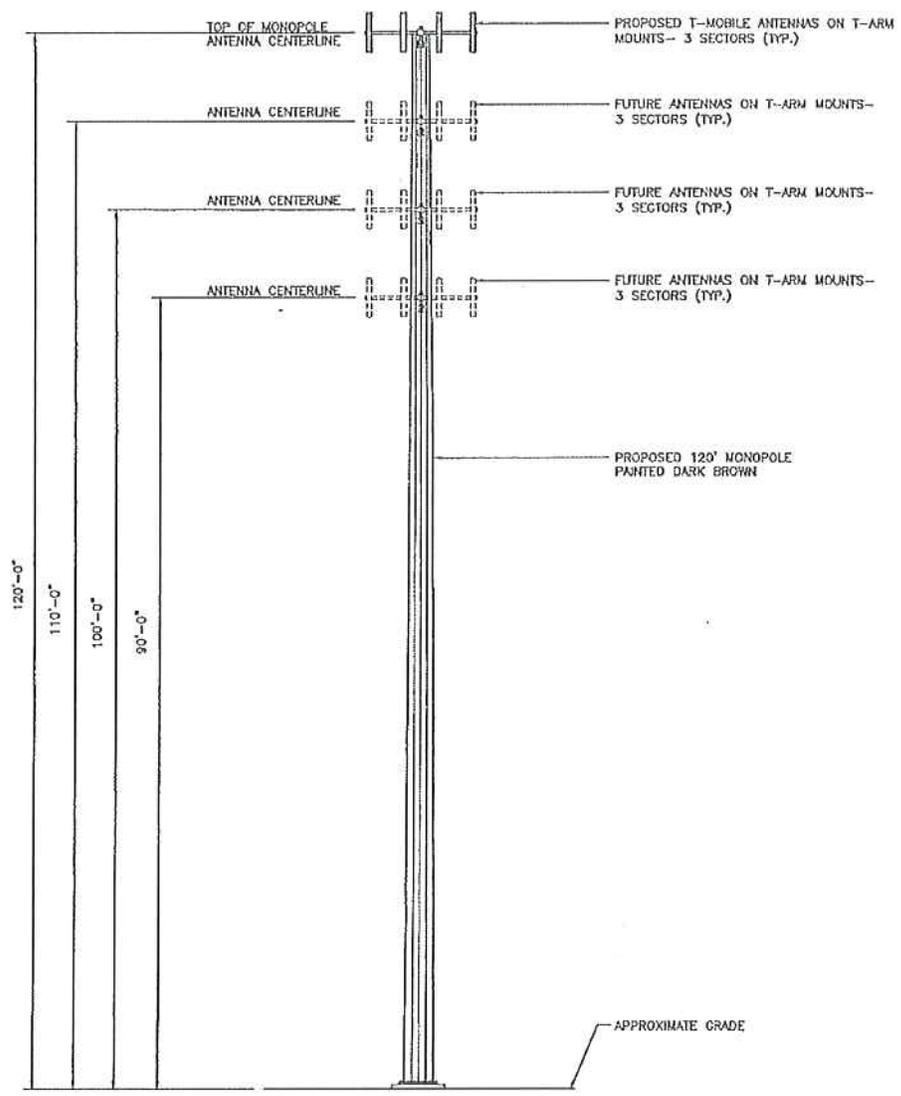


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 URS CORPORATION-AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

Optasite
 ((•••))
 ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
 (508) 779-2450

DRAWING TITLE: COMPOUND PLAN
 PROJECT INFORMATION:
 FIRST ASSEMBLY OF GOD
 651 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

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SC-2	
REVISION NO. 0	DRAWN BY: RRH
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SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 2 OF 3
URS JOB NO.: OPT011 (36915451.00003)	



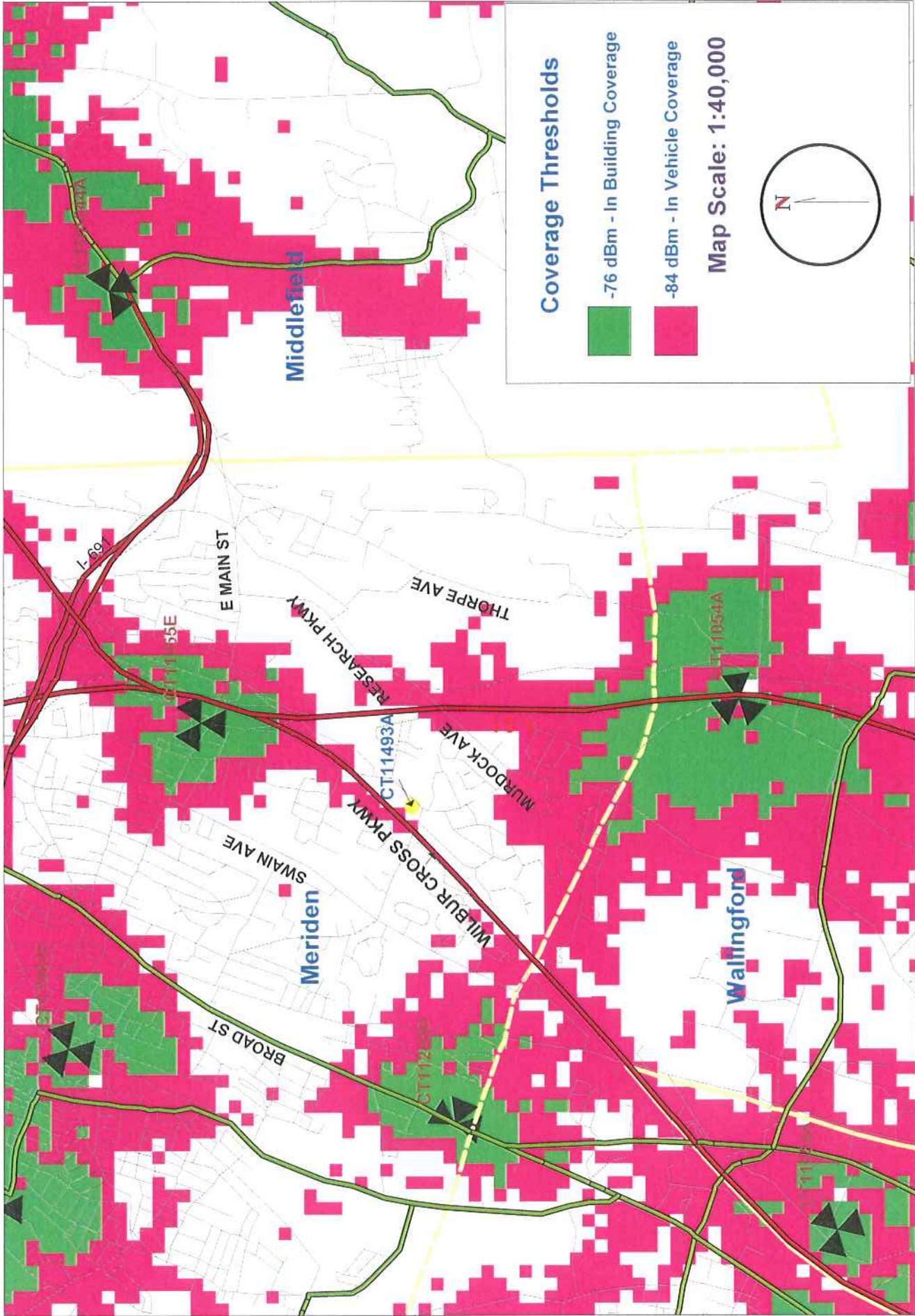
1 TOWER ELEVATION
 SC-3 SCALE: 1" = 20'-0"
 0 10 20 40

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 URS CORPORATION-AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

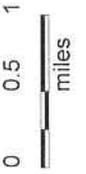
Optasite
 ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
 (508) 778-2460

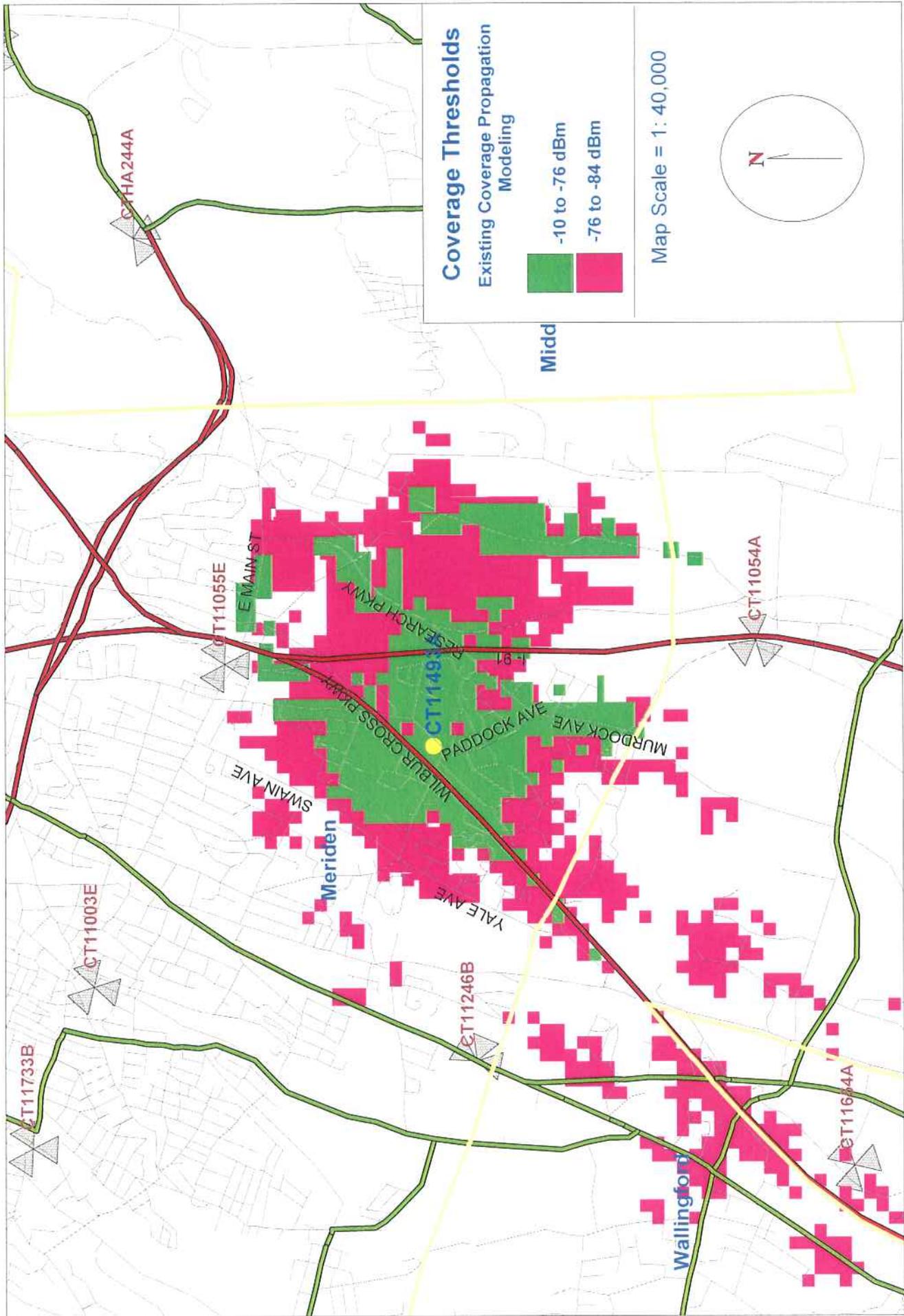
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 PROJECT INFORMATION:
 FIRST ASSEMBLY OF GOD
 651 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

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REVISION NO. 0	DRAWN BY: RRH
DATE ISSUED: 02/27/05	CHECKED BY: PJS
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 3 OF 3
URS JOB NO.: OPT011 (36915451.00003)	



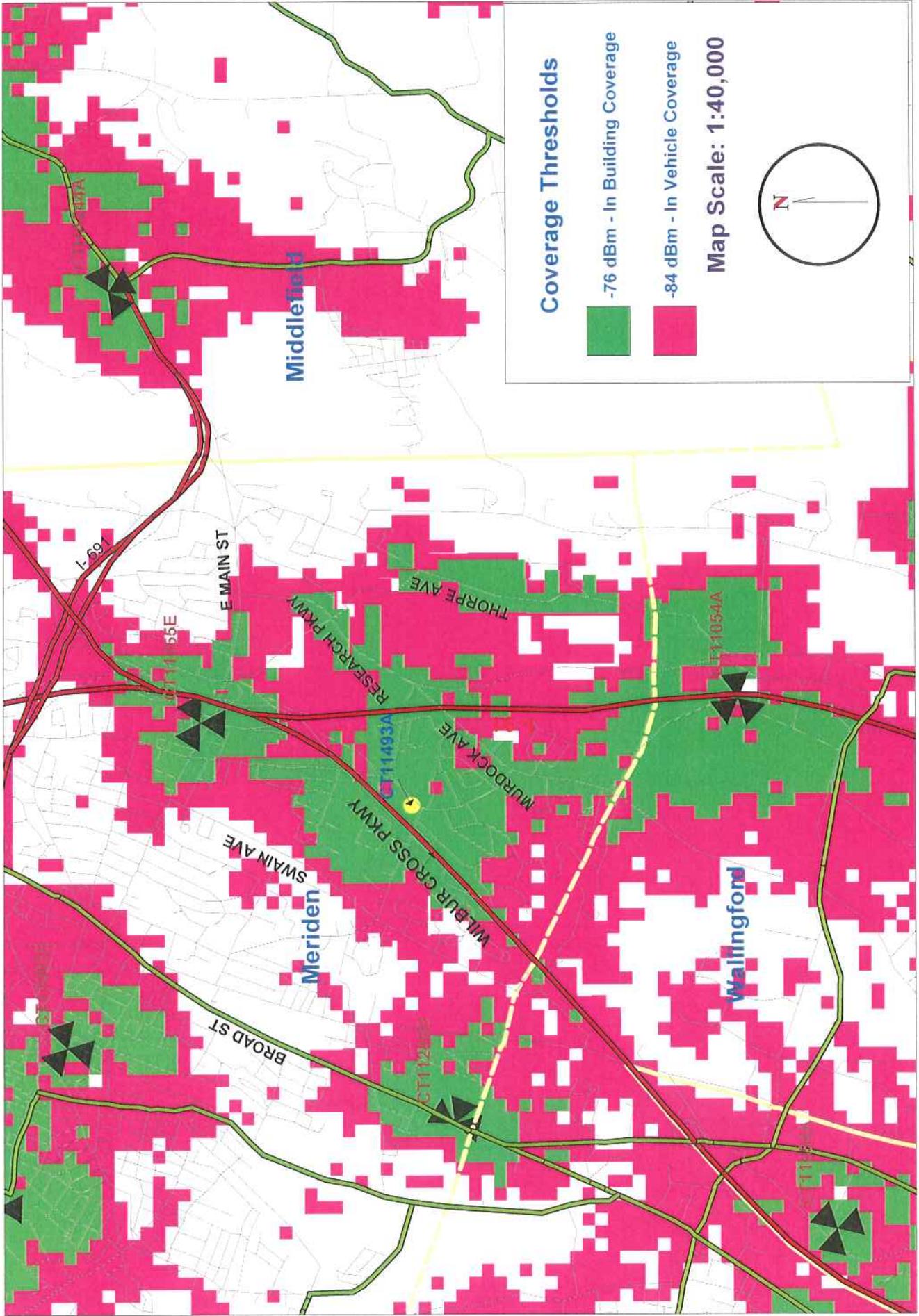
Existing T-Mobile On Air Coverage





T-Mobile Proposed CT11493A Facility at 117' AGL

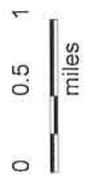
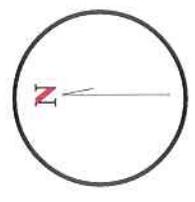




Coverage Thresholds

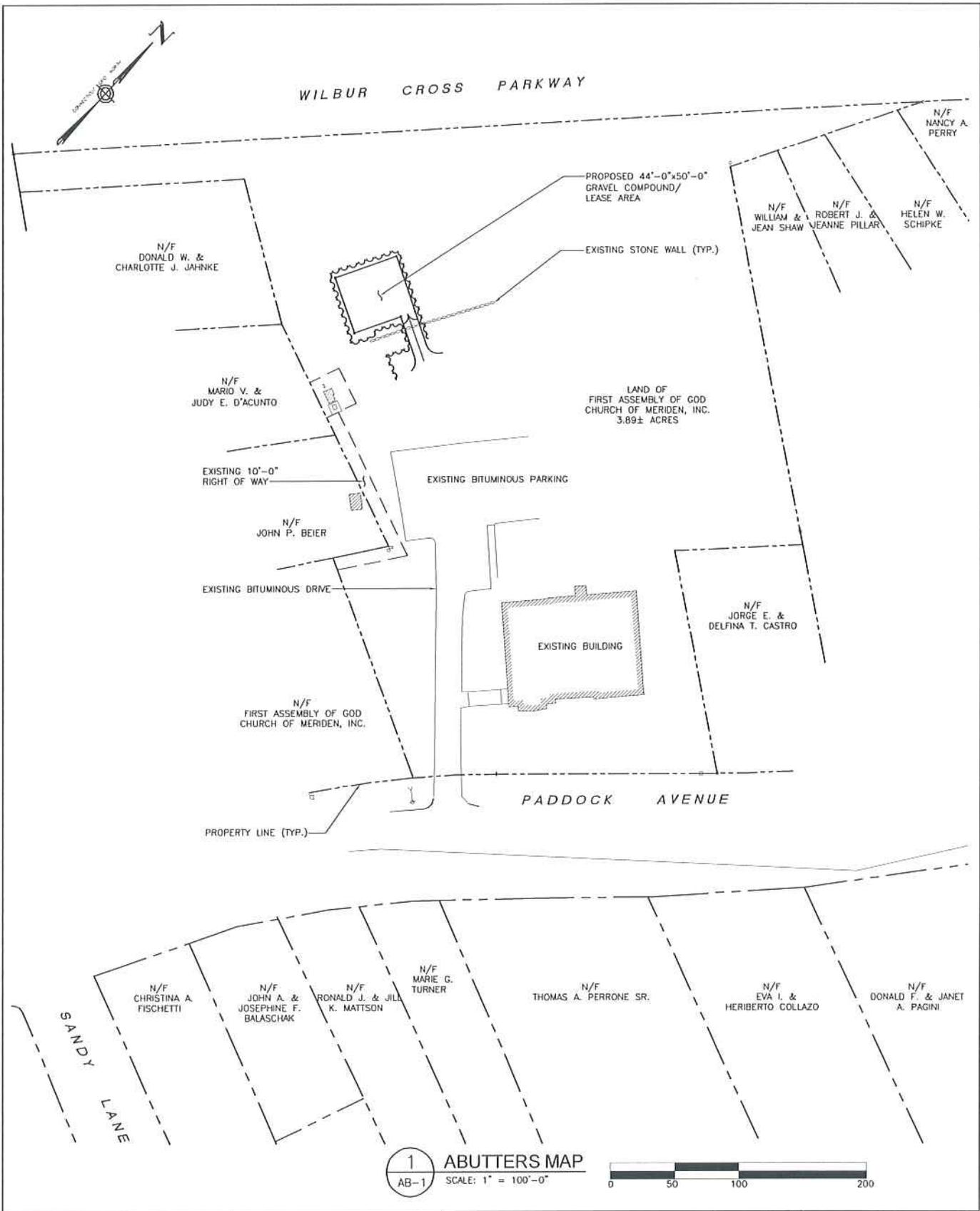
- 76 dBm - In Building Coverage
- 84 dBm - In Vehicle Coverage

Map Scale: 1:40,000

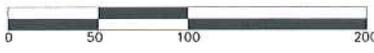


Existing T-Mobile On Air Coverage With CT11493A - Meriden @ 117'

EXHIBIT B



1
AB-1
ABUTTERS MAP
SCALE: 1" = 100'-0"

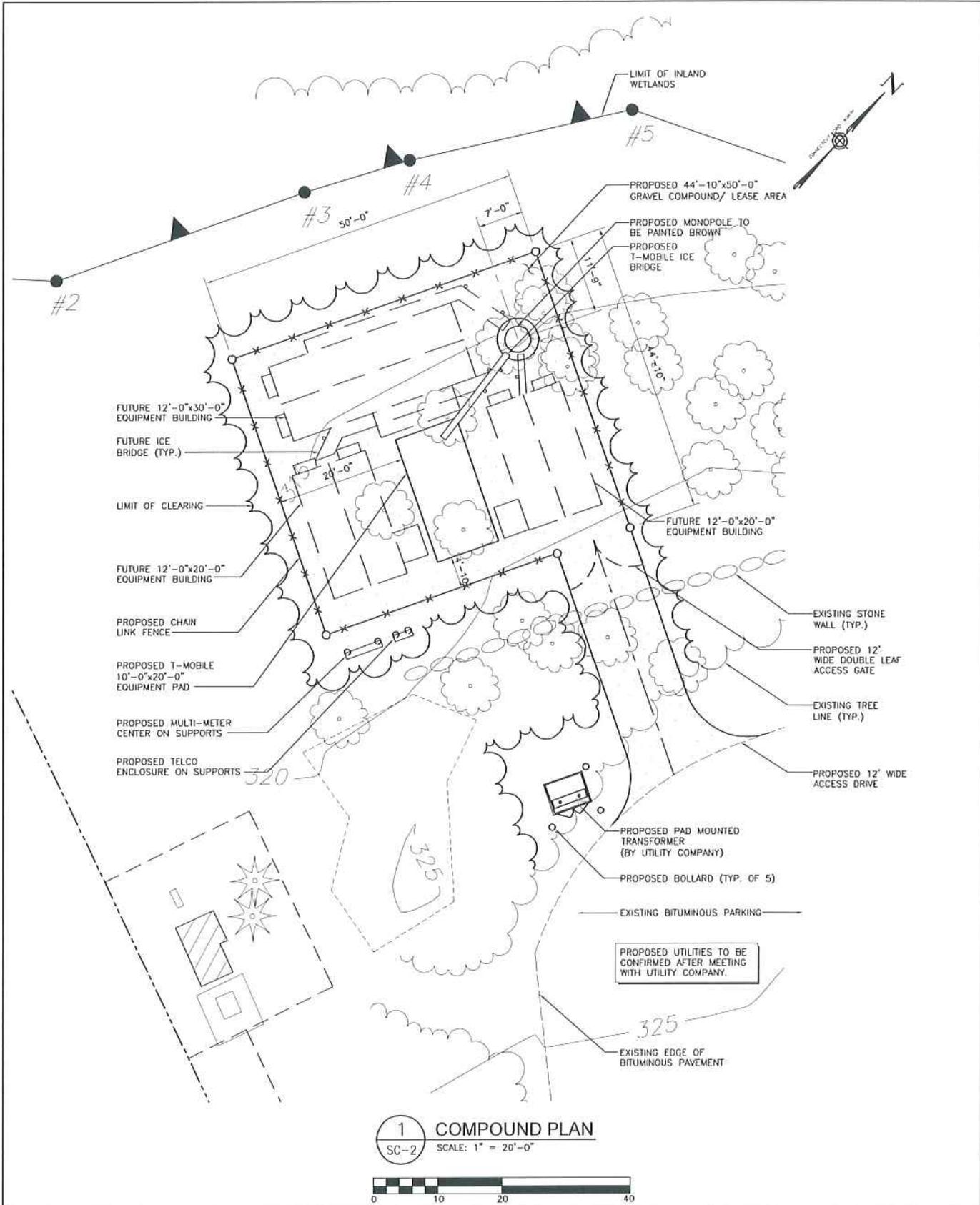


URS
 URS CORPORATION-AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

Optasite
 (())
 ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
 (508) 779-2469

DRAWING TITLE: ABUTTERS MAPS
PROJECT INFORMATION:
 FIRST ASSEMBLY OF GOD
 651 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

DRAWING TITLE:	
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REVISION NO. 1	DRAWN BY: RRH
DATE ISSUED: 09/29/06	CHECKED BY: PJS
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 1 OF 1
URS JOB NO.: OPT011 (36915451.00003)	



1
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COMPOUND PLAN
 SCALE: 1" = 20'-0"

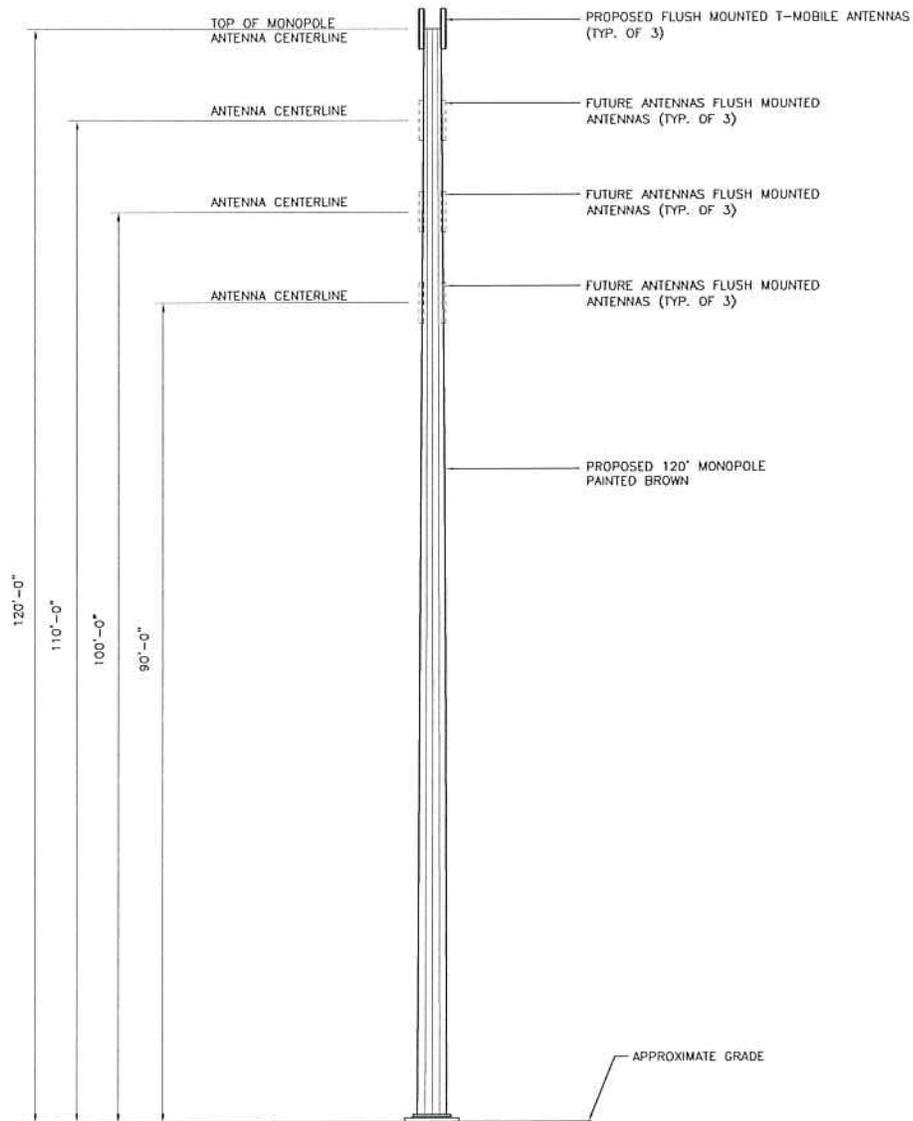


URS
 URS CORPORATION-AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT. 06067
 1-(860)-529-8882
 1-(860)-529-5566 (FAX)

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Optasite
 ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
 (508) 779-2460

DRAWING TITLE: COMPOUND PLAN
 PROJECT INFORMATION:
 FIRST ASSEMBLY OF GOD
 851 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

DRAWING TITLE	
SC-2	
REVISION NO. 1	DRAWN BY: RRH
DATE ISSUED: 09/29/06	CHECKED BY: PJS
SCALE: AS NOTED	APPROVED BY:
	SHEET NO. 2 OF 3
URS JOB NO.: OPT011 (36915451.00003)	



1 TOWER ELEVATION
 SC-3 SCALE: 1" = 20'-0"



URS

URS CORPORATION-AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CT. 06067
 1-(860)-529-8862
 1-(860)-529-5566 (FAX)

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ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
 (508) 779-2469

DRAWING TITLE: TOWER ELEVATION

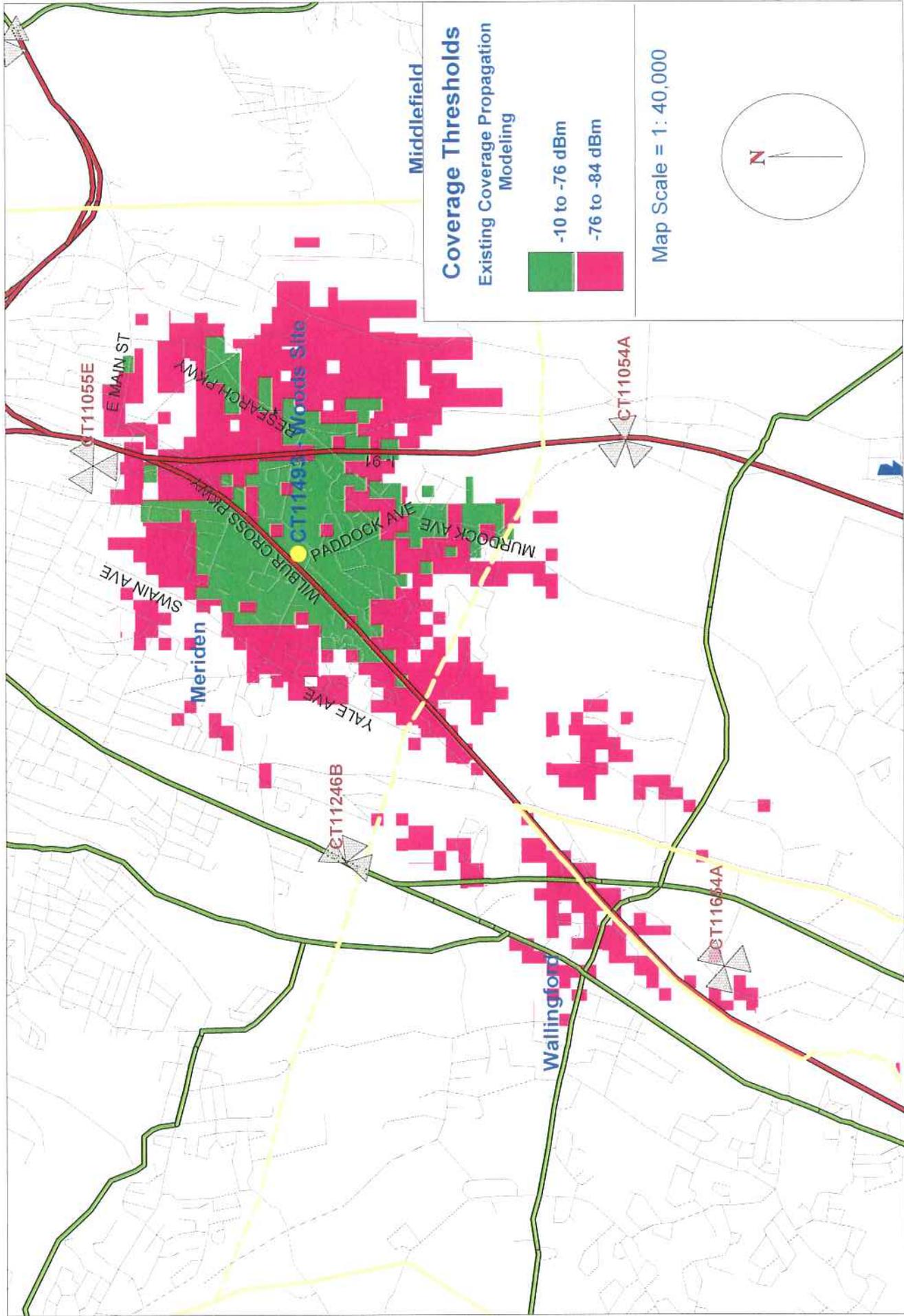
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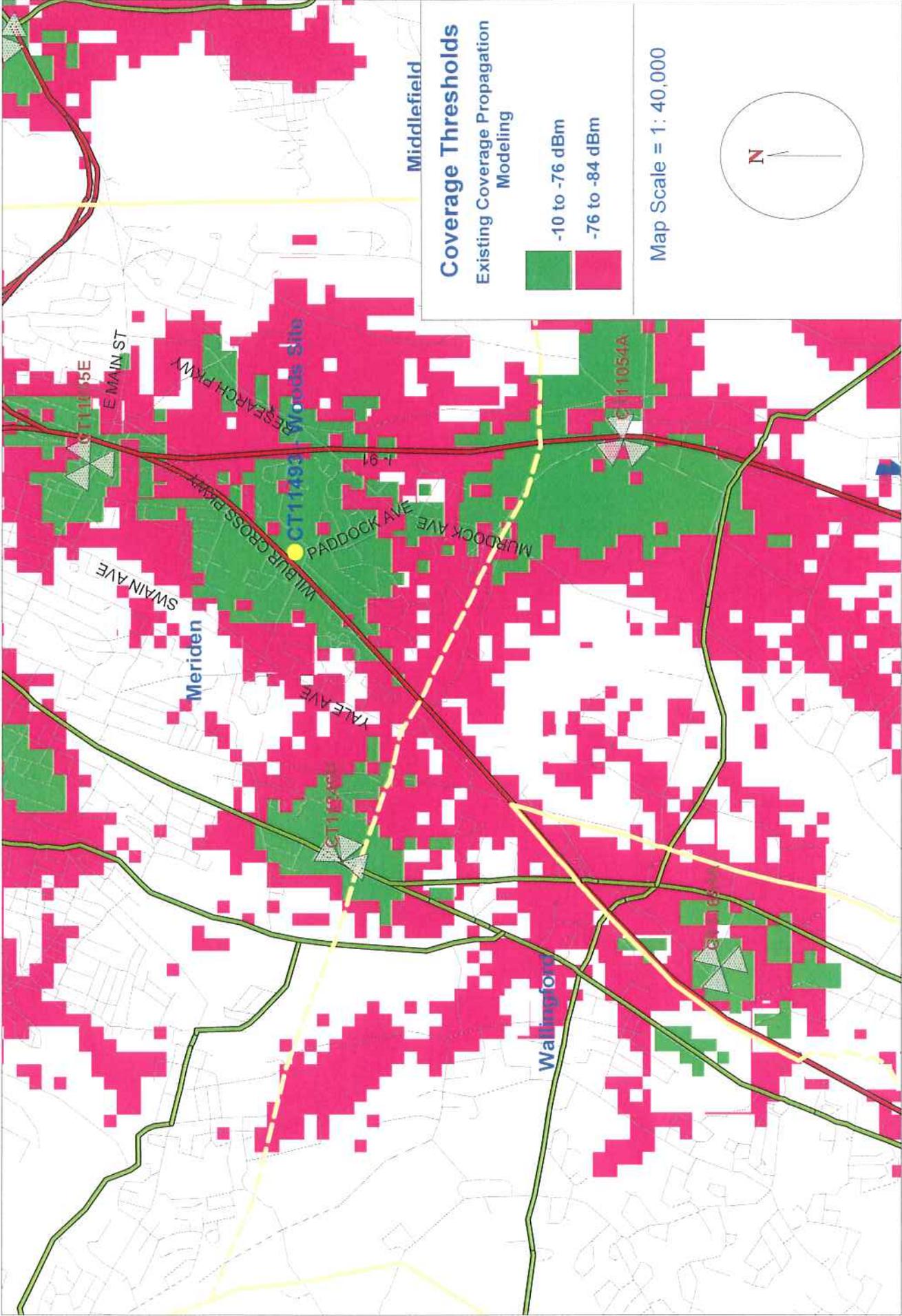
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 651 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

DRAWING TITLE

SC-3

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URS JOB NO.: OPT011 (36915451.00003)	

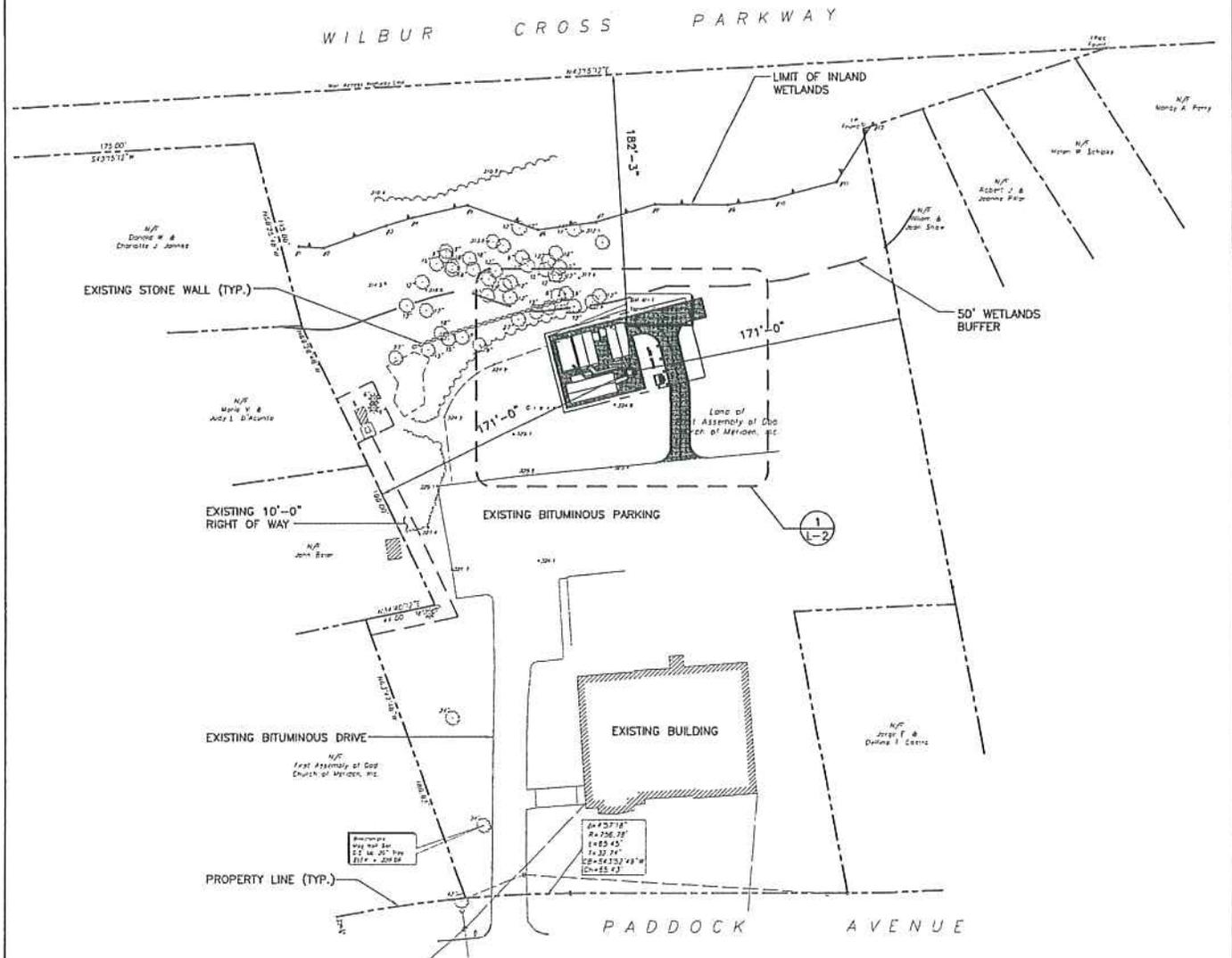
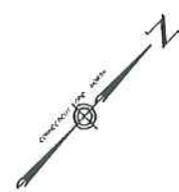




Existing Coverage With CT11493 Alternate Woods Site @ 117' AGL

EXHIBIT C

PROPOSED UTILITIES TO BE
 CONFIRMED AFTER MEETING
 WITH UTILITY COMPANY.



1 SITE PLAN
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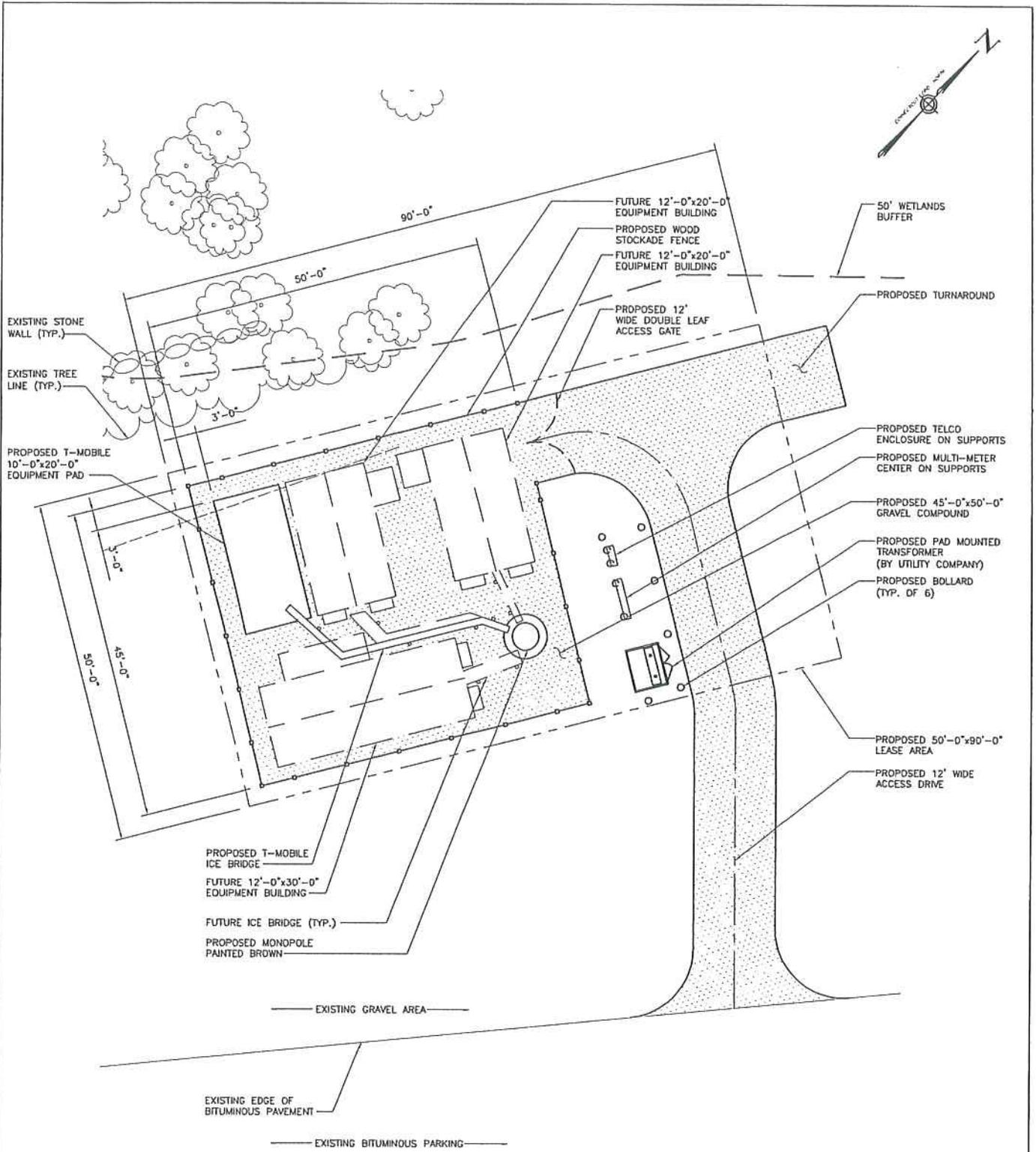
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 Approved by:

URS CORPORATION AES
 500 ENTERPRISE DRIVE
 ROCKY HILL, CONNECTICUT
 1-(860)-529-8882

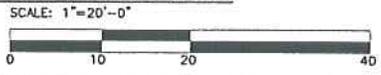
Optasite, Inc.
 ONE RESEARCH DRIVE, SUITE 200C
 WESTBOROUGH, MA 01581
FIRST ASSEMBLY OF GOD
 SITE ADDRESS: 651 PADDOCK AVENUE
 MERIDEN, CONNECTICUT

REV:	DATE:	DESCRIPTION:
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△	05-18-07	REVISED
Scale: AS NOTED		Date: 02-26-06
Job No. DPT011		File No. L-1

Dwg. No.
L-1
 Dwg. 1 of 3



1 COMPOUND PLAN
L-2



PROPOSED UTILITIES TO BE CONFIRMED AFTER MEETING WITH UTILITY COMPANY.

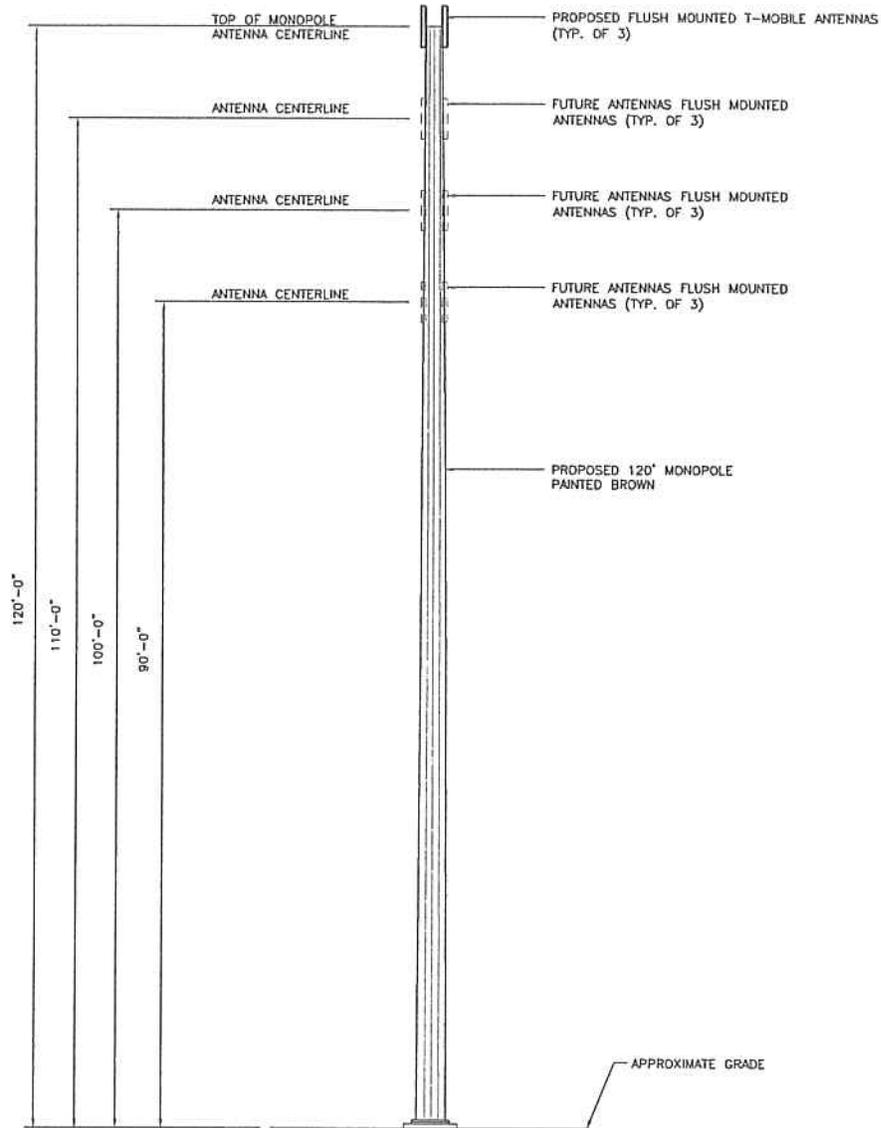
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36915451
Designed by:
Drawn by: RRH
Checked by:
Approved by:

URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

Optasite, Inc.
ONE RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581
FIRST ASSEMBLY OF GOD
SITE ADDRESS: 651 PADDOCK AVENUE
MERIDEN, CONNECTICUT

REV.	DATE:	DESCRIPTION
△	05-24-07	REVISED
△	05-18-07	REVISED
Scale: AS NOTED		Date: 02-26-05
Job No. OPT011		File No. L-2

Dwg. No.
L-2
Dwg. 2 of 3



1 TOWER ELEVATION
L-3 SCALE: 1"=20'-0"



SITE ID NO:
36915451
Designed by:
Drawn by: RRH
Checked by:
Approved by:

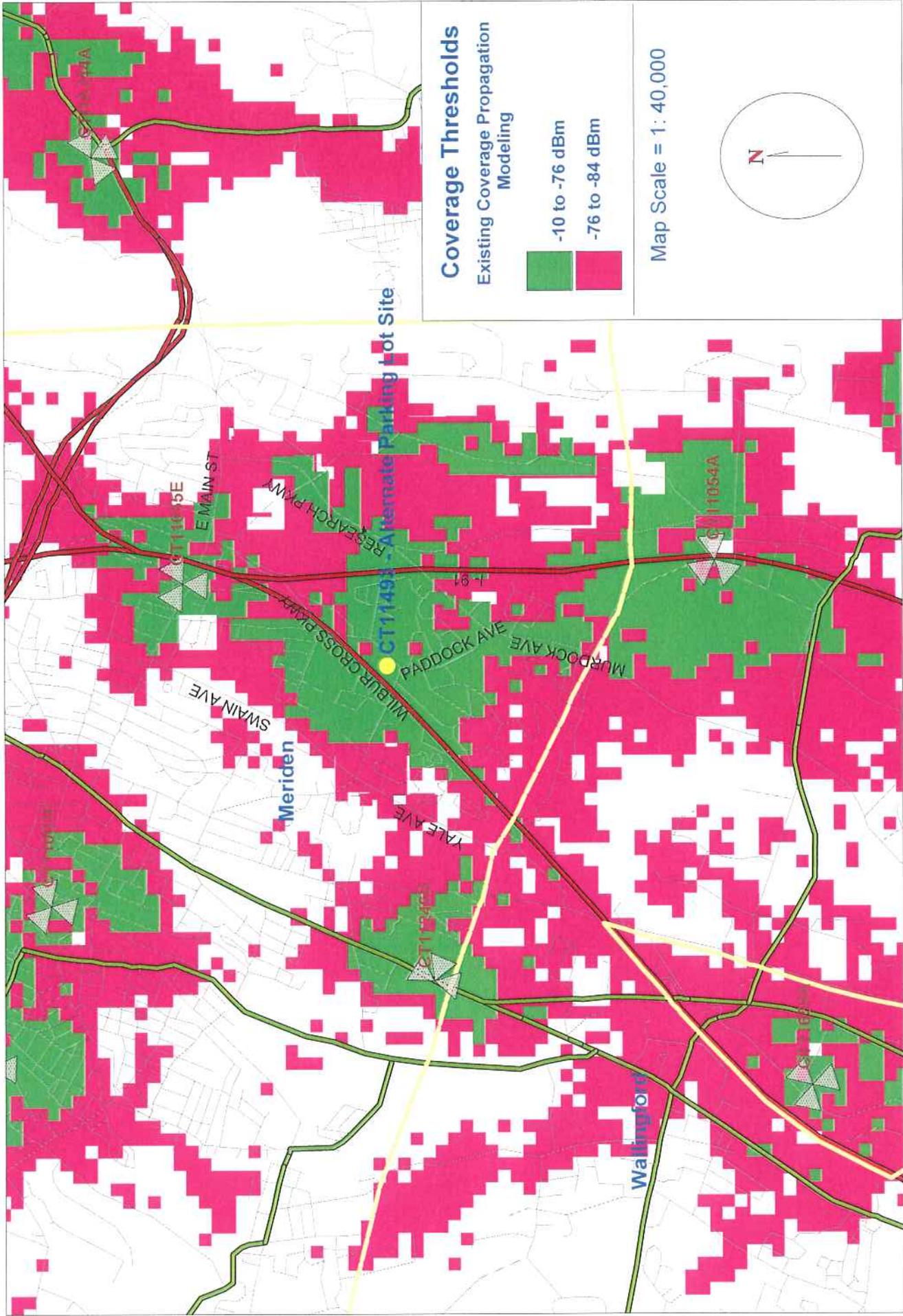
URS CORPORATION AES
500 ENTERPRISE DRIVE
ROCKY HILL, CONNECTICUT
1-(860)-529-8882

Optasite, Inc.
ONE RESEARCH DRIVE, SUITE 200C
WESTBOROUGH, MA 01581
FIRST ASSEMBLY OF GOD
SITE ADDRESS: 651 PADDOCK AVENUE
MERIDEN, CONNECTICUT

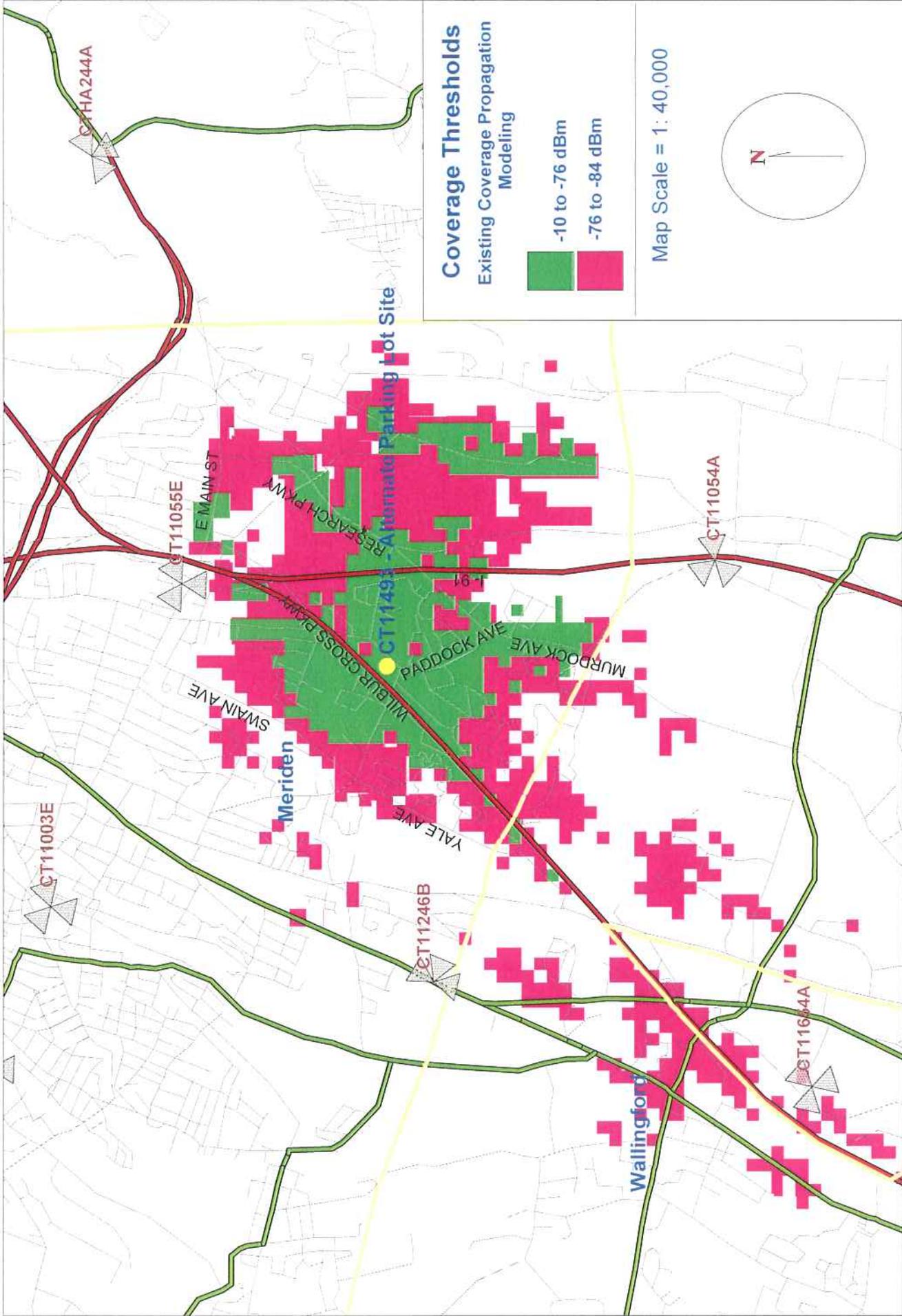
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△	05-18-07	REVISED

Scale: AS NOTED Date: 02-26-05
Job No. DPT011 File No. L-3

Dwg. No.
L-3
Dwg. 3 of 3



Existing Coverage With Meriden Parking Lot Alternate Site @ 117'



Certification

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

Deborah L. Moore
Acting City Attorney, City of Meriden
Legal Department, City Hall
142 East Main Street
Meriden, CT 06450



Carrie L. Larson