

September 17, 2012

Wichita – Sedgwick County Metropolitan Area Planning Department
City Hall 10th Floor
455 N Main Street
Wichita, KS 67203

RE: Sedgwick County Communications P-25 Radio Project
Application for Conditional Use Permit and Variance
300-foot Lattice Tower for 700/800 MHz P25 Digital Radio System
Parcel ID: 198330430100100
17500 W 71st Street Viola, KS / Clonmel Yard

This letter is submitted in support of the above-referenced Application for Sedgwick County 911 (“County”) planned construction, operation and maintenance of a new facility (“Facility”) for the upgrade of the County’s Emergency Communications Radio Network (“Radio Network”) on the above-referenced property. This letter provides a general overview of the County’s existing radio network’s current design, related issues and the upgrade/replacement of the existing radio network along with objectives of the new system and specifically the request for a new Sedgwick County Emergency Communications Facility inclusive of its justification and design.

I. Location and description of Property

The property that is the subject of this Application (“Subject Property”) is located at Sec 33 - T28S - R2W. The Subject Property is zoned RR Rural Residential. The legal description of the Subject Property is described below.

Beginning at the SW corner of the SE Quarter of Section 33, Township 28 South, Range 2 West of the Sixth Principal Meridian, Sedgwick County, Kansas; thence N 01 degree 16’51” W, along the West line of said SE Quarter, 1367.14 feet; thence N 90 degrees E, parallel with the South line of said SE Quarter, 500 feet; thence S 01 degree 16’51” E, parallel with the West line of said SE Quarter, 1367.14 feet to the South line of said SE Quarter; thence S 90 degrees W, along the South line of said SE Quarter, 500 feet to the place of beginning.

The County proposes to erect a three hundred foot (300’) lattice tower (“Tower”) within a 1,000 (100’ x 100’) square foot lease area. The compound area will be enclosed within a 6’ chain link fence.

Lease area and easement legal description

A 100 foot by 100 foot Lease Area and a 20 foot wide Access/Utility Easement, situated in Lot 1, Block A, SEDGWICK COUNTY CLONMEL YARD, more particularly described as follows:

COMMENCING at the Southeast Corner of said Lot 1 (Fnd. 1/2" Iron Bar w/Cap "SRB"); thence along the East line of said Lot, North 01859'32" West, a distance of 690.00 feet to the POINT OF BEGINNING of said Lease Area; thence leaving said East line, South 88°00'28" West, a distance of 100.00 feet; thence North 01°59'32" West, a distance of 100.00 feet; thence North 88°00'28" East, a distance of 100.00 feet to the East line of said Lot 1; thence along said East line, South 01°59'32" East, a distance of 100.00 feet to the POINT OF BEGINNING. Containing 10,000 square feet.

AND a 20 foot wide Access/Utility Easement, lying 10.00 feet on each side of the following described centerline:

COMMENCING at the Southeast Corner of said Lot 1 (Fnd. 1/2" Iron Bar w/Cap "SRB"); thence along the East line of said Lot, North 01859'32" West, a distance of 690.00 feet to the POINT OF BEGINNING of said Lease Area; thence leaving said East line, South 88°00'28" West, a distance of 100.00 feet; thence North 01°59'32" West, a distance of 50.00 feet to the POINT OF BEGINNING of said centerline; thence South 88°00'28" West, a distance of 82.30 feet; thence South 02°17'36" East, a distance of 99.25 feet; thence South 08°42'36" East, a distance of 108.77 feet; thence South 46°36'15" East, a distance of 126.81 feet; thence South 35°12'45" East, a distance of 64.44 feet; thence South 17°27'02" East, a distance of 91.21 feet; thence South 09°35'52" West, a distance of 78.85 feet; thence South 27°02'46" West, a distance of 94.33 feet; thence South 56°44'10" West, a distance of 61.94 feet; thence South 89°55'39" West, a distance of 33.30 feet; thence South 00°04'21" East, a distance of 106.02 feet to the South line of said Lot 1 and the POINT OF TERMINATION.

II. Applicant and Property Owner

Applicant:

Sedgwick County 911
714 N. Main
Wichita, KS 67203

Property Owner:

Sedgwick County
538 N Main
Wichita, KS 67203

Preparer on behalf of Sedgwick County:

Black & Veatch Corporation
Laurie Hatfield
10950 Grandview Drive
Overland Park, KS 66201
913-458-2460

III. History of Current County Communications System

The County currently operates and maintains a countywide 800MHz Motorola SMARTNET trunked radio system consisting of four simulcast sites. This network serves law enforcement, fire, EMS and related users throughout the County with approximately 6,000 users on the network.

The trunked radio system was originally implemented in 1991. The existing simulcast overlay was deployed in 1996 to its present, 4-site 20 channel configuration. Since then, the radio network has grown substantially in both the number of users on the system and the overall usage of the system by Sedgwick County and its related agencies has increased. All 800MHz sites were found to be overall in fair condition with each site showing some specific issues due to the reported poor or lack of maintenance. Sixteen years after its installation, the current equipment has reached end of service life and much of the legacy equipment is no longer supported by the manufacturer. Tusa Consulting Services ("TSA") was retained by Sedgwick County 911 to perform an independent assessment of the existing Emergency Communications Radio Network along with performing a needs analysis to assist Sedgwick County in the preparation of a Request for Proposal for replacement of the system, Sedgwick County RFP #10-0254 700/800 MHz P25 Digital Radio System.

The County facing several issues directly impacting its existing Emergency Communications Radio Network recognized the need to develop a plan for necessary upgrades and replacement of the system to address these issues which resulted in the issuance of the above stated RFP along with the negotiation and selection of Cassidian Communications of Richardson, TX as the vender to replace the existing end-of-life network.

IV. Need for Growth of the Network

Tusa Consulting compiled its data using a review of the existing radio network coverage as calculated by RF propagation analysis and actual on the ground drive testing of the coverage area. They then used this data to provide a suggested system configuration using a combination of upgrades to existing radio sites and the development and deployment of new facility locations. The Tusa Consulting proposed configuration provides for; improved radio network coverage and reliability, adds key system features and functionality, increases system capacity and provides for regional/statewide interoperability. This proposed configuration served as the basis for the Sedgwick County RFP #10-0254 700/800 MHz P25 Digital Radio System contracted to Cassidian Communications.

The most important feature of a radio network is system coverage. No matter what technology is deployed or how many channels the radio network can support, if it is not designed to provide high-quality coverage, it cannot satisfy the single most critical system requirement – the ability of system users to communicate effectively. Coverage pocketing and areas of spotty coverage pose the greatest risk to some of the most important system users; fire, police, EMS and other first responder agencies who depend on the ability to communicate with each other and with a dispatcher to coordinate a response during emergency incidents in protection of the public in general and in the interest of their own safety.

With the growth of the user community, there is the need for expansion of the emergency communications radio network coverage that currently is provided by the existing system. The Tusa Consulting Report identified terrain east of the city as having north/south “washboard” ridges that impact coverage from the relatively low Courthouse site. Also identified was a breakup in coverage along the I-35 highway south of 50/400 and just before the intersection with SH 15. On the west side of the City, there is similar terrain caused breakup of coverage at the Mid-Continent Airport and slightly north and west of the airport. These issues are being resolved by new facilities that are being collocated on rooftops and existing communications sites.

In today’s world, responses to incidents take on an ever increasing regional coordinated response with units not only responding from the local community but also from adjacent communities and from regional, state and federal agencies. The upgraded system is designed to complement and interoperate with the evolving State of Kansas (KDOT), P-25 800 MHz system and to allow interoperability between both local and regional agencies making the system a critical piece of infrastructure in the region and an important asset to a much larger group of users.

In order to achieve the needed coverage improvements and interoperability, the County is asking to build one new facility for the project. The area that needs and requires coverage and which is not serviced today by the existing configuration is in the southwest portion of the County (Viola area), where coverage is almost nonexistent. This will be remedied by the requested new Facility to be constructed at the County’s Clonmel Yard Facility, on existing County owned property. Currently, there is a valley between the current Goddard and Haysville radio towers that provides poor to nonexistent coverage into the Viola area. The Clonmel Yard Facility is being requested at a height of three hundred (300) feet. This is the optimum height needed based on drive test data and computer generated prediction software indicated by Tusa Consulting in the original County commissioned assessment and as additionally validated by Cassidian Communications own subsequent design analysis . That RF propagation analysis performed takes into account the terrain as well as the height of the other towers/antennas in the radio network. In this case, the two towers that Clonmel will interface with have antennas at the 400+ level. In order to achieve optimal coverage, the proposed Facility at the Clonmel Yard will need to have the height requested as a shorter tower will not achieve the desired increased coverage for the targeted area.

The Clonmel Facility is critical to the meeting the coverage requirements of the new system and closing the associated coverage gap from the existing system. The Clonmel facility is the only new tower build being requested for this project with all other sites being successfully negotiated on existing facilities and commercial properties.

V. Code Requirements for Conditional Use Permit

Towers over 120 feet in the RR zoning district do not meet the Master Plan's Location/ Height Guidelines for location by right or administrative permit and therefore, must be approved by a Conditional Use Permit ("CUP").

All applications for Wireless Communication Facilities (whether for a Building Permit, an Administrative Permit, a Conditional Use, CUP amendment, or P-O amendment) shall include:

a. Written statement acknowledging and agreeing to the responsibilities under the zoning code (e.g. allowing co-location opportunities on support structures and at ground level; allowing modification/rebuilding of support structures; removal upon abandonment, etc.).

Per the County's Wireless Communication Master Plan ("Master Plan") – March 2011 update (Section VI. Location/Design Guidelines A.7), the Tower must be able to hold two additional carriers and have ground space for such. The County asks for a variance/waiver on this requirement based on the following:

The County acknowledges that the subject tower will be able to accommodate additional carriers on the tower and inside the compound for collocation purposes. The County is not a commercial wireless communication provider and should be exempt from having to build a tower designed specifically for the operation of a commercial telecommunications site and to accommodate commercial wireless providers at this time. The request for proposals and subsequent Phase 1 Report by TSA specified the construction of a one carrier tower to be used exclusively by the County. The intent behind issuing this particular specification was that any subsequent structural modifications needed to the tower would be the responsibility of the commercial carrier requesting to collocate on the Tower, should the County approve the addition of carriers at some point in the future. As part of the County's issued RFP, the tower and leased area allows for 50% growth should the County require the expansion of other services at the site or in the event that a co-location tenant is accommodated by the County in the future.

The Tower has been designed to allow modifications to the structure in the event an accommodated carrier's equipment load exceeds the structural capacity of the proposed tower providing a balance between the needs and requirements of the County and the current Wireless Communication Master Plan. A full structural analysis will need to be performed by any carrier wanting to collocate on the Tower. The cost of the structural analysis and any required modifications to the tower will need to be funded solely by the wireless provider requesting to locate on the tower.

Therefore, it is the applicant's belief that because all project expenses are funded through public funds and, as they have been designated as the steward of those monies; any/all alternatives to preserve the systems in-service date and reduce costs should be explored. In this case, the reasonable and prudent business decision was made to avoid spending additional capital dollars on a new tower for the potential use by additional commercial carriers that may never materialize. The one carrier tower meets the technical design specified by the project consultants and construction can be accomplished at a significantly lower price than a three carrier tower. The County's stance is that they are not a commercial tower owner/operator therefore, this requirement should be waived and a variance issued.

The County has invested a great deal of time and money to evaluate, plan and finance the upgrade to the emergency communications radio network. Any rework at this juncture could potentially extend the in-service date and increase the overall project costs.

A statement of the same is executed in Exhibit A

b. A notarized statement from a wireless communication provider that they intend to locate on the wireless communication facility if it is approved.

Not applicable, as the County is not a wireless communication provider, but the County has all intentions of locating on the proposed Tower if approved.

c. A scale vicinity plan, dimensioned, that identifies existing buildings, trees, and other features within 200 feet (1" = 40') of the Wireless Communication Facility in the City of Wichita or within 1,000 feet (1" = 200') of the Wireless Communication Facility in the unincorporated area of Sedgwick County.

Please see attached Exhibit B – Survey and Exhibit C - Zoning Drawings

d. One-inch-equals-20 feet site plan, dimensioned, identifying all facility elements.

Please see attached Exhibit C – Zoning Drawings

e. Typical elevations of all facility elements, dimensioned.

Please see attached Exhibit C- Zoning Drawings

f. Specification of all exterior materials and colors, with drawings, photos or samples as appropriate.

The shelter that is proposed is an aggregate rock shelter. It is brown in color and blends with the surrounding property. All equipment is housed inside. Please see attached Exhibit C & D – Zoning Drawings & Photo Simulations

g. Landscape/screening plan, with all materials and sizes specified.

The leased area will be enclosed by a 6 foot chain link fence. Since this is a rural area and a County Yard, there is no proposed landscaping.

h. Appearance shown by at least two photo-simulations only for proposed facilities that do not adhere to the Location/Design Guidelines or facilities located in designated visually/environmentally sensitive locations.

Please see attached Exhibit D – Photo Simulations

i. Narrative that documents the need for the proposed facility, including in the case of new undisguised support structures, documentation such as propagation plots and/or other materials demonstrating that existing buildings and other structures cannot be reasonably utilized or modified or rebuilt to accommodate the Wireless Communication Facility.

***This document shall serve this purpose.
Propagation maps are supplied in attached Exhibit E***

j. Inventory of any/all Wireless Communication Facilities already installed at the site, with names, addresses, and phone numbers of the companies and contact persons.

N/A

The following requirements also apply:

1. All applicants desiring to request an Administrative Permit, a Conditional Use, a CUP amendment, or a P-O amendment for a Wireless Communication Facility should consult with the MAPD prior to submitting a formal

application. The purpose of the consultation is to advise the applicant of his or her rights and responsibilities in submitting such application.

Meeting held on Wednesday July 25th, 2012

2. The application form for an Administrative Permit, a Conditional Use, a CUP amendment, or a P-O amendment for a Wireless Communication Facility must be signed by all property owners or by the authorized agent(s) of such owner(s).

Application is attached and all signatures obtained

3. In accordance with local policy, the applicant shall post one or more zoning adjustment signs on the application site. For Administrative Permits, the zoning adjustment signs shall be posted for a period of ten days following submittal of the Administrative Permit request. For a Conditional Use, a CUP amendment, or a P-O amendment, the zoning adjustment signs shall be posted according to the instructions for the applicable application, which are available separately from the MAPD. Signs shall be purchased from the MAPD when the application is filed. The fee for each sign is \$3, and one sign is required for each street frontage

The County acknowledges this requirement and will comply

4. The applicant shall submit the required filing fee as follows:

Conditional Use Permit - \$500 + 22/Acre + sign fee

Total Fee = 500 + 330 (22x15 acres) + 3 for one sign - \$833

The County acknowledges this requirement and will comply

VI. Request for Variance

The setback requirements for RR are as follows:

Front	30 feet
Rear	25 feet
Side	20 feet

The tower is located on the East side of the property line and will not meet setbacks to the East. The abutting property to the East and West are both owned by the County and have no structures on them. All other setbacks are met for this project. County asks for a waiver on this requirement and variance to the code for the setback on the East side of the tower approved.

As stated in the previous section, the Tower has been designed to allow modifications to the structure in case a carrier's equipment load exceeds the structural capacity of the tower. A full structural analysis will need to be performed by any carrier wanting to collocate on the Tower. The cost of the structural analysis and any modifications to the tower will be paid for solely by the wireless provider requesting to locate on the tower. If the Tower is found to have exceeded its designed capacity, the County agrees to let the carrier have the option of modifying the structure to hold the carrier's additional tower load. As such, the County asks for a waiver on this requirement and a variance to the code for number of additional carriers on the tower approved.

In conclusion, this proposed upgrade of the current Sedgwick County Radio Communications P-25 Radio Project provides vital communications for the County. The County is required to migrate to a fully compliant P - 25 platform per the Association of Public Safety Communications Officials. Without the acquisition of the new Facility, the County will be in jeopardy of not meeting these requirements. As discussed throughout this application, the need for this new Facility is

a benefit to all County personnel for daily communications and for the common good of all City and County residents for emergency services to protect their health, safety and welfare.

Should you have any additional questions or if I can be of any assistance, please do not hesitate to contact me. Thank you for your consideration of this application.

Sincerely,
Laurie Hatfield
Zoning Manager Black & Veatch
913-850-8413
HatfieldL@bv.com

Exhibit A – Statement

Wichita – Sedgwick County Metropolitan Area Planning Department
City Hall 10th Floor
455 N Main Street
Wichita, KS 67203

RE: Sedgwick County Communications P-25 Radio Project
300-foot Lattice Tower for 700/800 MHz P25 Digital Radio System
Parcel ID: 198330430100100
17500 W 71st Street Viola, KS / Clonmel Yard

If approved for a new 300' lattice Tower at the above noted address, Sedgwick County 911, as tower owner, will evaluate any and all wireless carrier requests to collocate on the tower. The Tower has adequate ground space to accommodate the equipment for those wanting to locate on the tower and the tower is being provided with 50% additional capacity beyond that required by the County at this time for the Emergency Communications Radio Network.

The Tower has been designed to allow modifications to the structure in the event a carrier's equipment load exceeds the structural capacity of the tower. A full structural analysis will need to be performed by any carrier wanting to collocate on the Tower. The cost of the structural analysis and any required modifications to the tower will be paid for solely by the wireless provider requesting to locate on the tower.

Per the Operation Standards (WCMP F.2), if, for various reasons, all or portions of wireless communication facilities are abandoned or no longer in use for a period of time greater than twelve consecutive months, the wireless communications facilities would be evaluated for removal, if serving no further interest to the County or benefit to the community as a whole. The County agrees that upon vacation of the Tower by all tenants, the County would be solely responsible for the periodic maintenance or decommissioning of the Tower and the removal thereof of any and all equipment abandoned at the site should the County conclude after evaluation that the site is of no further benefit to the County or community.

The County agrees to locate on said tower if it is approved by the Wichita – Sedgwick County Metropolitan Area Planning Department.

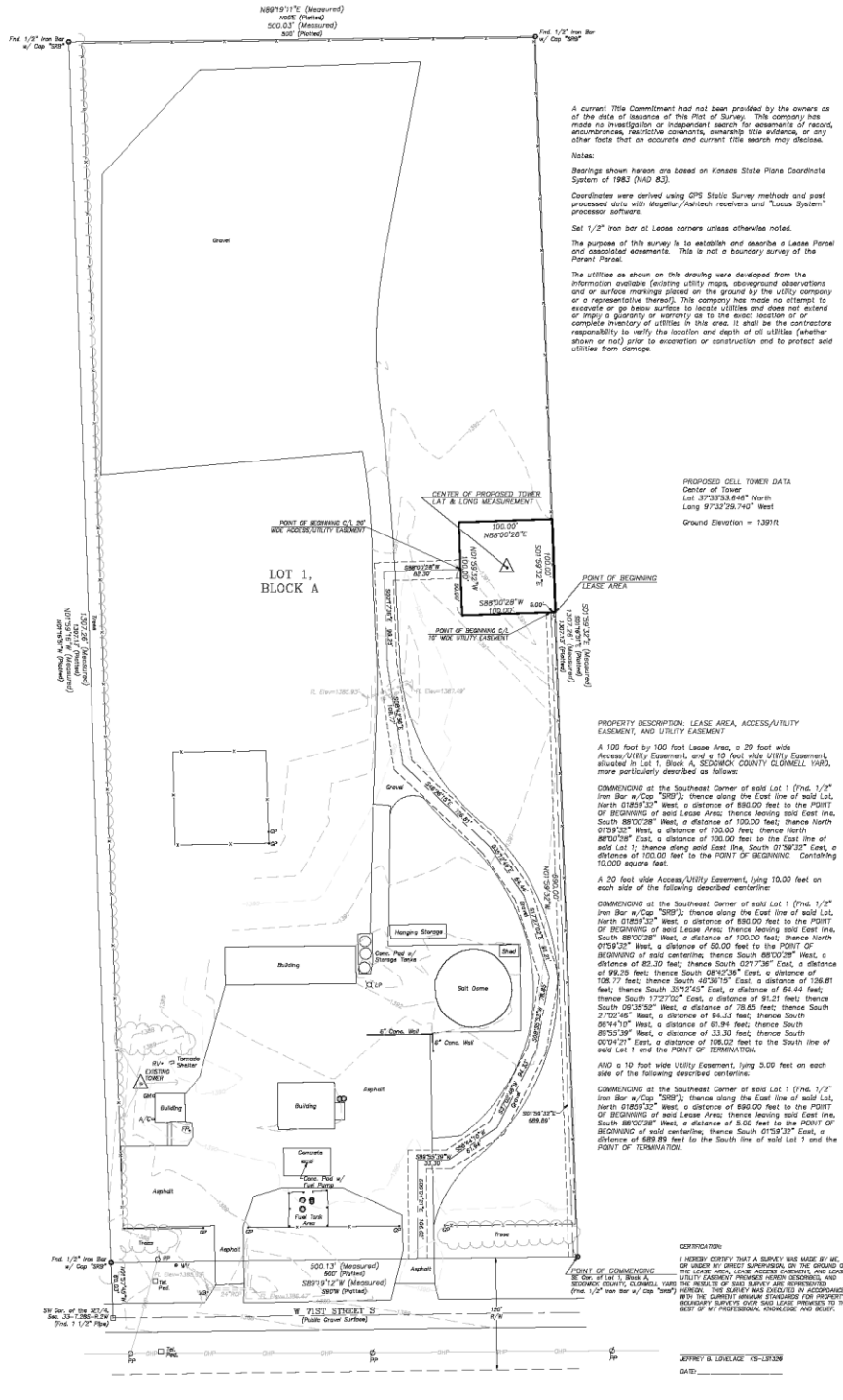
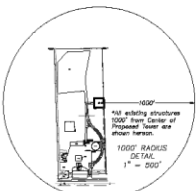
Name

Title

Date

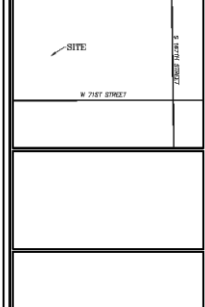
Exhibit B - Survey

SEDGWICK COUNTY RADIO PROJECT-- CLONMEL SURVEY PART OF LOT 1, BLOCK A, SEDGWICK COUNTY CLONMELL YARD, AN ADDITION TO SEDGWICK COUNTY, KANSAS



LEGEND

POWER POLE	⊗
LIGHT POLES	⊕
TELEPHONE POLE/STAY	⊠
ANCHOR	⊙
GAS METER	⊙
WATER VALVE	⊙
WALL BOX	⊙
AC UNIT	⊙
DATE POST	⊙
GUARD POST	⊙
FLAS POST	⊙
SECTION CORNER	⊙
PROPERTY CORNER	⊙
ROOF VENT	⊙
FUEL TANK	⊙
TOWER POINT	⊙
TREE LINE	—
FENCE	—
OVERHEAD POWER LINE	—

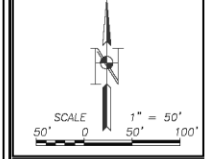


LOVELACE & ASSOCIATES
Land Surveying & Land Planning
Telecommunications Surveys
1900 E. 10th Street, Suite 100, Topeka, KS 66603
Phone (316) 345-9997 Fax (316) 345-9979

SURVEY COORDINATED BY:
LOVELACE AND ASSOCIATES, LLC
P.O. BOX 88
LEWIS SUMMIT, MO 64063
TELEPHONE: 816-347-9997
FAX: 816-347-9979

SURVEY PROVIDED BY:
LOVELACE AND ASSOCIATES, LLC
P.O. BOX 88
LEWIS SUMMIT, MO 64063
TELEPHONE: 816-347-9997
FAX: 816-347-9979

SURVEY PROVIDED FOR:
BLACK & WEATHER CORPORATION
12520 COMMERCE DR.
OVERLAND PARK, KS 66211
TELEPHONE: 913-452-0669



FLOOD NOTE:
According to my interpretation of Community Flood Map No. 201750475E of the Flood Insurance Rate Map for Sedgwick County, Kansas, dated 05-02-2007, the subject property is in Flood Zone "X" which is determined to be Outside 500 year flood plain.

SITE NAME: SEDGWICK COUNTY RADIO PROJECT--CLONMEL SURVEY

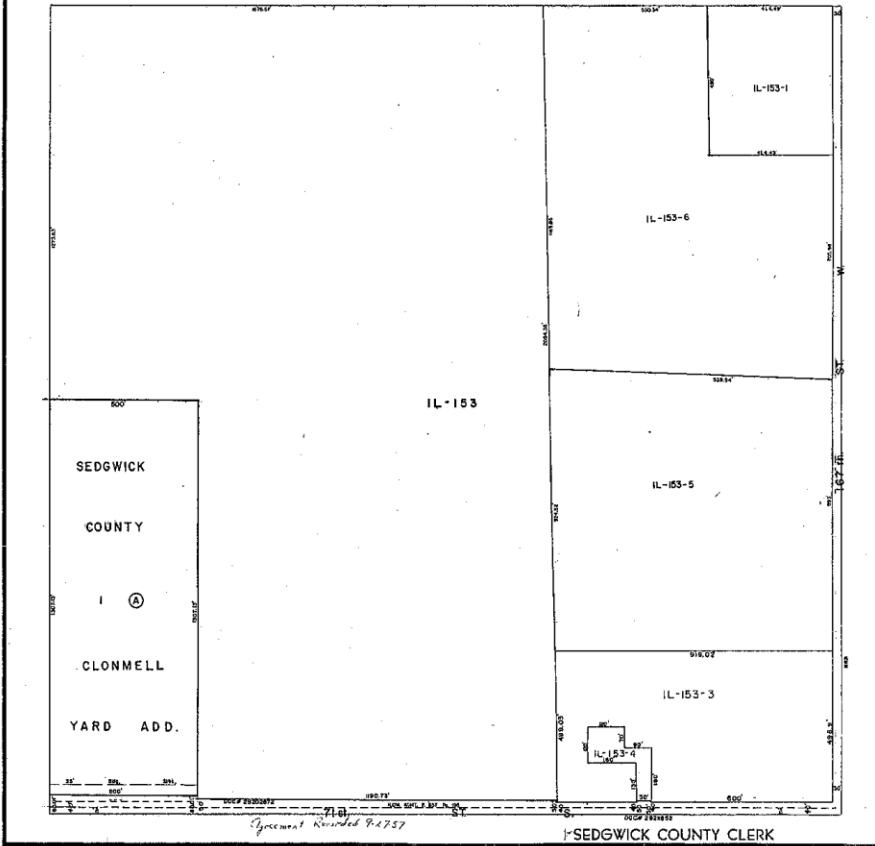
SITE LOCATION:
17500 W 71ST ST S,
SEDGWICK COUNTY, KS

PROJECT NO: 12379
DRAWN BY: A.C.T.
CHECKED BY: J.E.L.
DATE: 08-16-12
FIELDWORK DATE: 08-15-12

SHEET NUMBER
1 OF 1

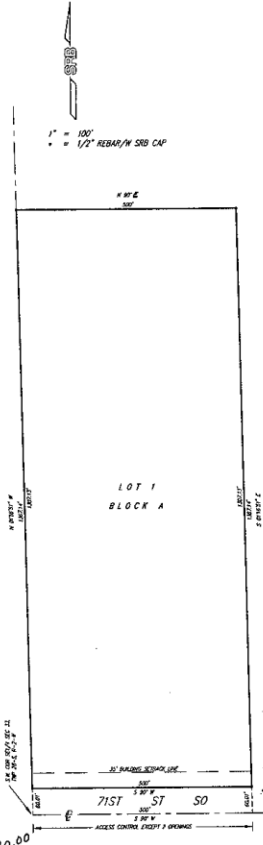
S E ¼ SEC. 33, TWP 28S. R. 2 W.

IL
131



SEDGWICK COUNTY CLONMELL YARD

AN ADDITION TO SEDGWICK COUNTY, KANSAS



State of Kansas) SS
 Sedgwick County)

We, Savoy, Ruggles & Bohm, P.A., Surveyors in aforesaid county and state do hereby certify that, under the supervision of the undersigned, we have surveyed and plotted "SEDGWICK COUNTY CLONMELL YARD" an addition to Sedgwick County, Kansas and that the accompanying plat is a true and correct exhibit of the property surveyed, described as follows:

Beginning at the S.W. Corner of the SE1/4 of Sec. 33, Twp. 20-S, R-2-W of the 6th P.M., Sedgwick County, Kansas; thence N07°16'31\"/>

Savoy, Ruggles & Bohm, P.A.
 Date: 30 Jan 1994
 Mark A. Savoy, Surveyor

Know all men by these presents that we, the undersigned, have caused the land described in the surveyors certificate to be platted into a Lot, Block and Street to be known as "SEDGWICK COUNTY CLONMELL YARD" an Addition to Sedgwick County, Kansas. The street is hereby dedicated to and for the use of the public. All ebbert's rights of access to or from 71st St. to, over and across the south line of Lot 1 are hereby granted to the appropriate governing body provided however that Lot 1 shall have access to 71st St. so that the easement over the south line of Lot 1 as shall be determined by the Engineer for the appropriate governing body.

Attest: Betty Oak, Chair
 Susan L. Crockett-Spoon, County Clerk

State of Kansas) SS
 Sedgwick County)

The foregoing instrument acknowledged before me, this 30th day of January 1994, by Betty Oak, Chair of the Board of Commissioners of Sedgwick County, Kansas and attested by Susan L. Crockett-Spoon, County Clerk of Sedgwick County, Kansas.

My App't Exp. 12-31-1995
 Robert L. Kump, Notary Public

SRB 324 NORTH MAIN 314-284-8888
 SAVOY, RUGGLES & BOHM, P.A.
 ENGINEERING & SURVEYING

This plat of "SEDGWICK COUNTY CLONMELL YARD" an Addition to Sedgwick County, Kansas, has been submitted to and approved by the Wichita-Sedgwick County Metropolitan Area Planning Commission, Wichita, Kansas. Dated this 23rd day of January, 1994.

Wichita-Sedgwick County Metropolitan Area Planning Commission
 Chairman: James G. Winer
 Secretary: Marvin S. Kibel

This plat approved and all dedications shown hereon, accepted by the Board of Commissioners of Sedgwick County, Kansas, this 30th day of January 1994.

Chapman: Betty Oak
 Chairman: Robert A. Bier
 Pro-Tem: Andrew L. Biss
 Commissioner: Thomas C. Winters
 Commissioner: Paul W. Hancock
 Commissioner: Mark A. Schaefer
 County Clerk: Susan L. Crockett-Spoon

Entered for record this 6th day of January, 1994.
 Susan L. Crockett-Spoon, County Clerk

State of Kansas) SS
 Sedgwick County)

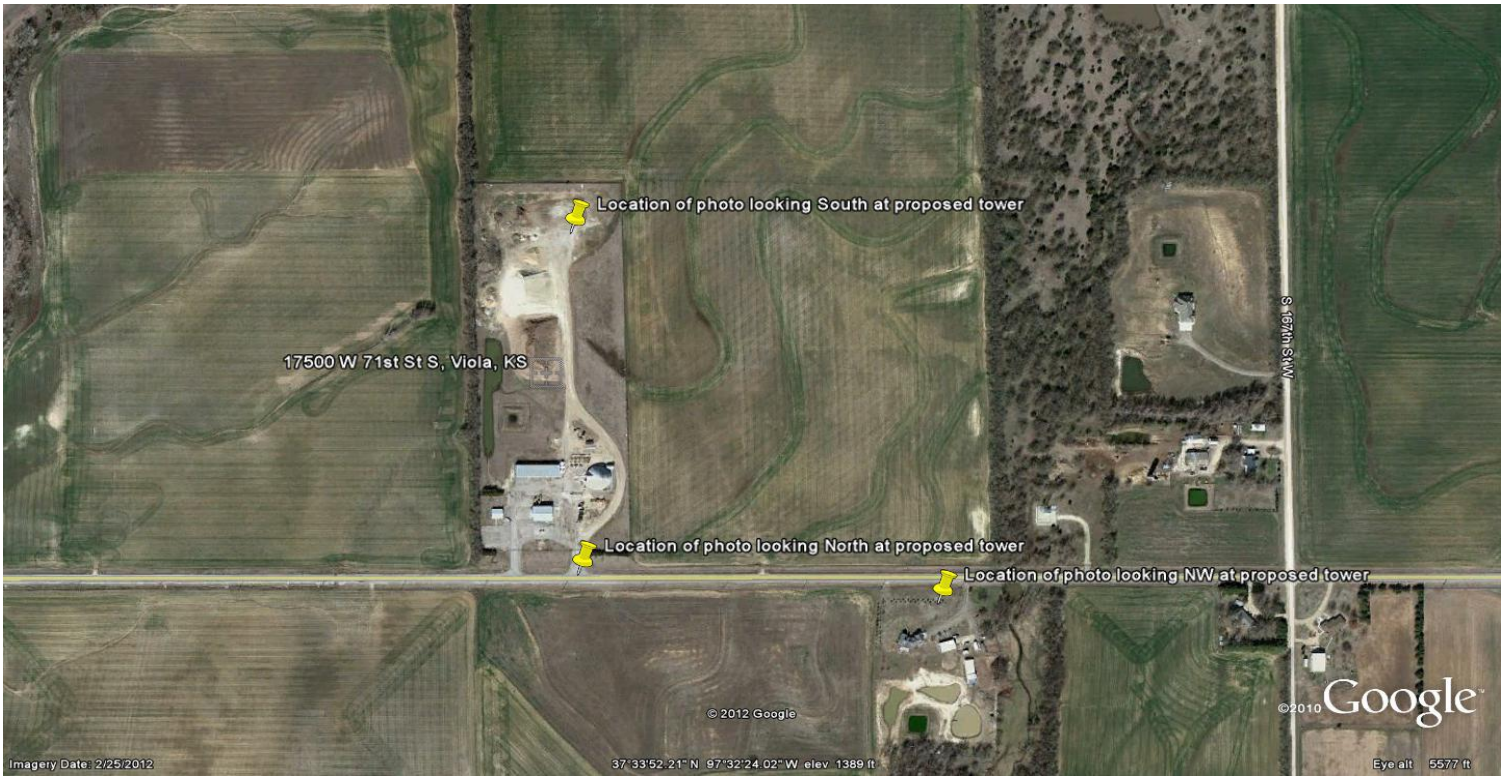
This is to certify that this plat has been filed for record in the office of the Register of Deeds, this 23rd day of JANUARY, 1994 at 11:00 a.m. and is duly recorded.
 Ed Reed, Deputy Register of Deeds

This digital plat record accurately reproduces in all details the original plat filed with the Sedgwick County Register of Deeds. Digitized under the supervision of Register of Deeds Bill Reed by Sedgwick County Geographic Information Systems.

Bill Reed, Register of Deeds
 Digitized recording of original instrument

Exhibit C- Zoning Drawings

**Exhibit D –
Property Photos and Photo Simulations**



Locations that pictures were taken from for photo simulations



1000 foot radius of tower

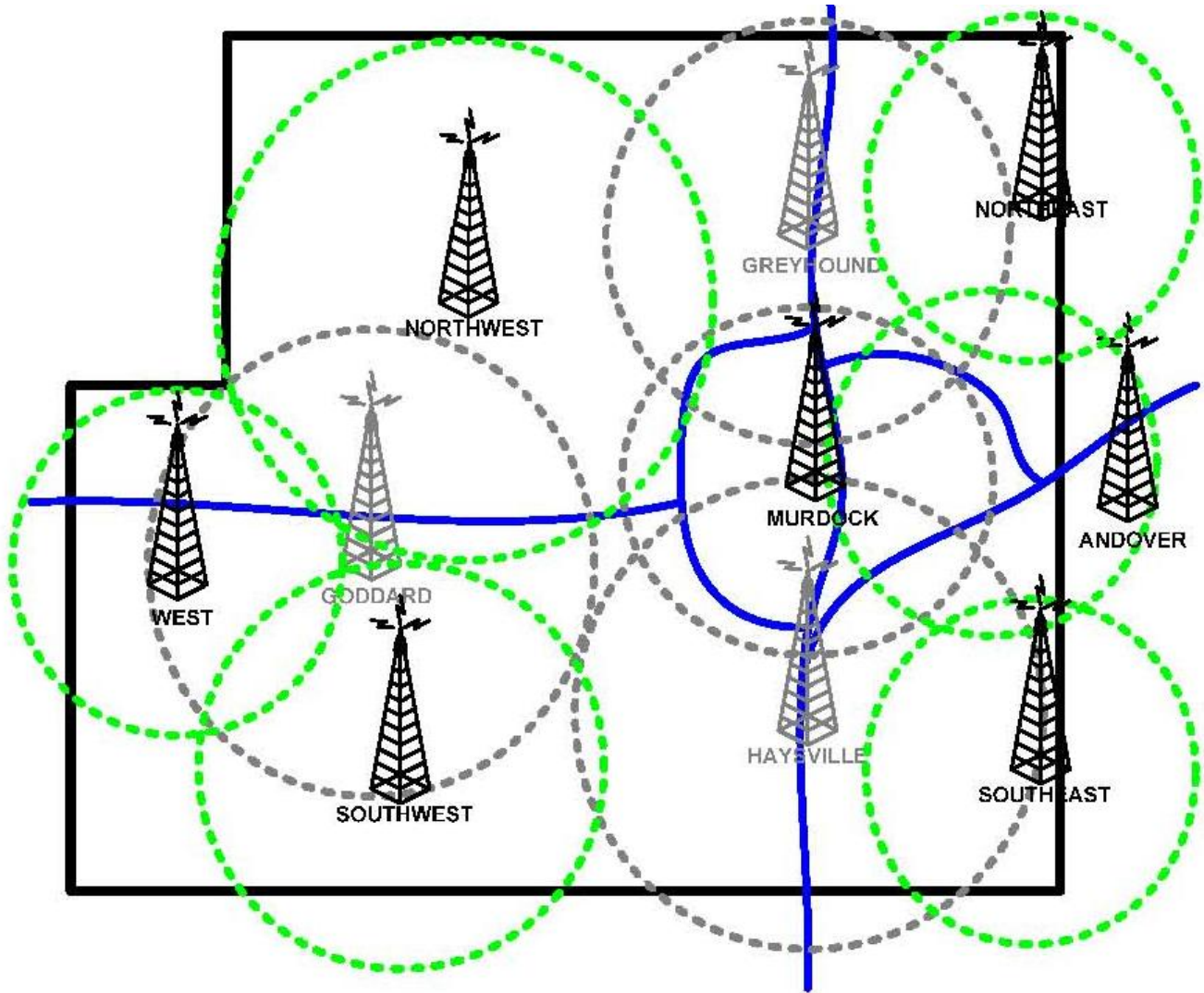


Typical Shelter

Exhibit E

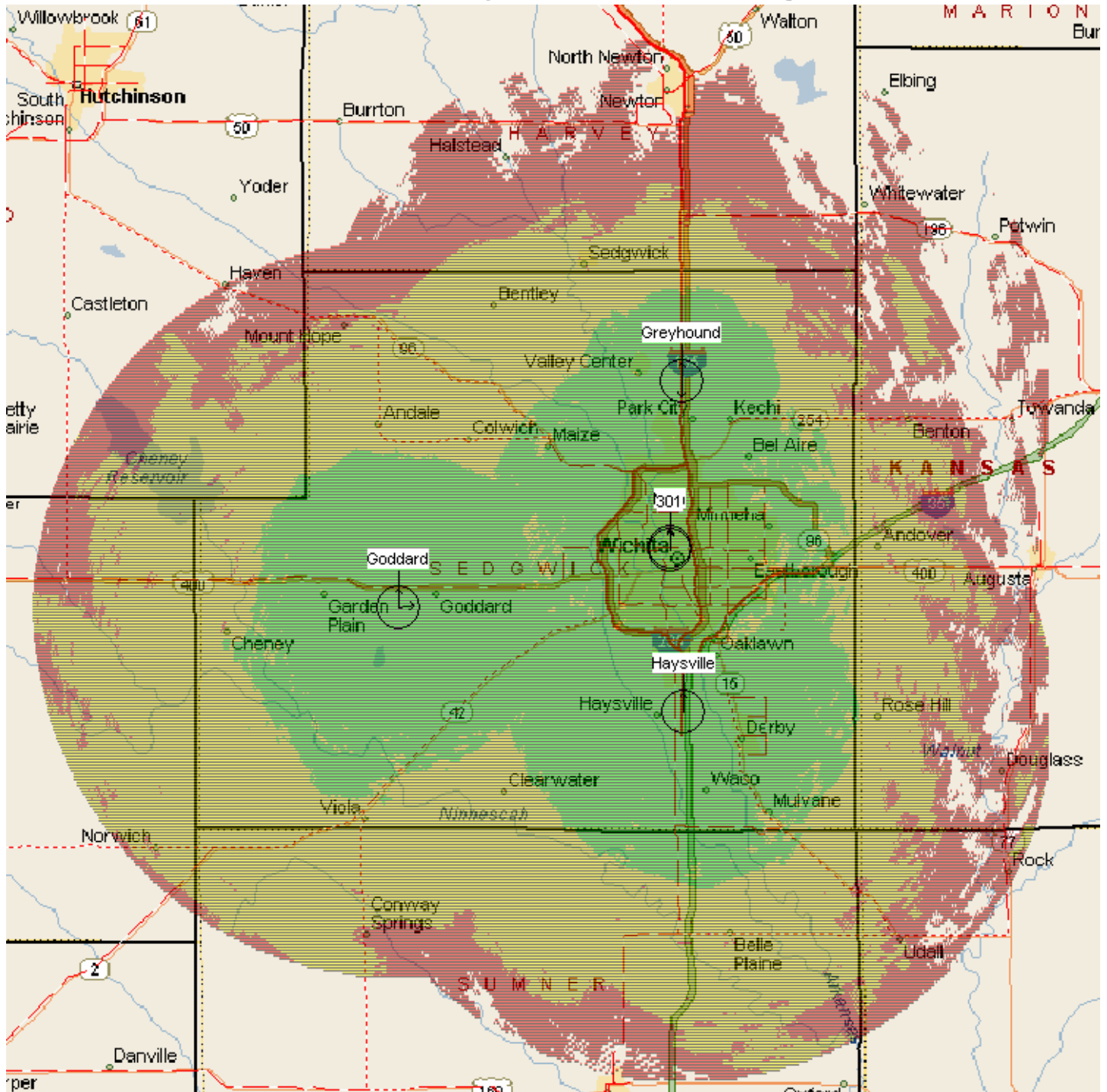
Propagation Maps

Proposed Sedgwick County P-25 Radio System



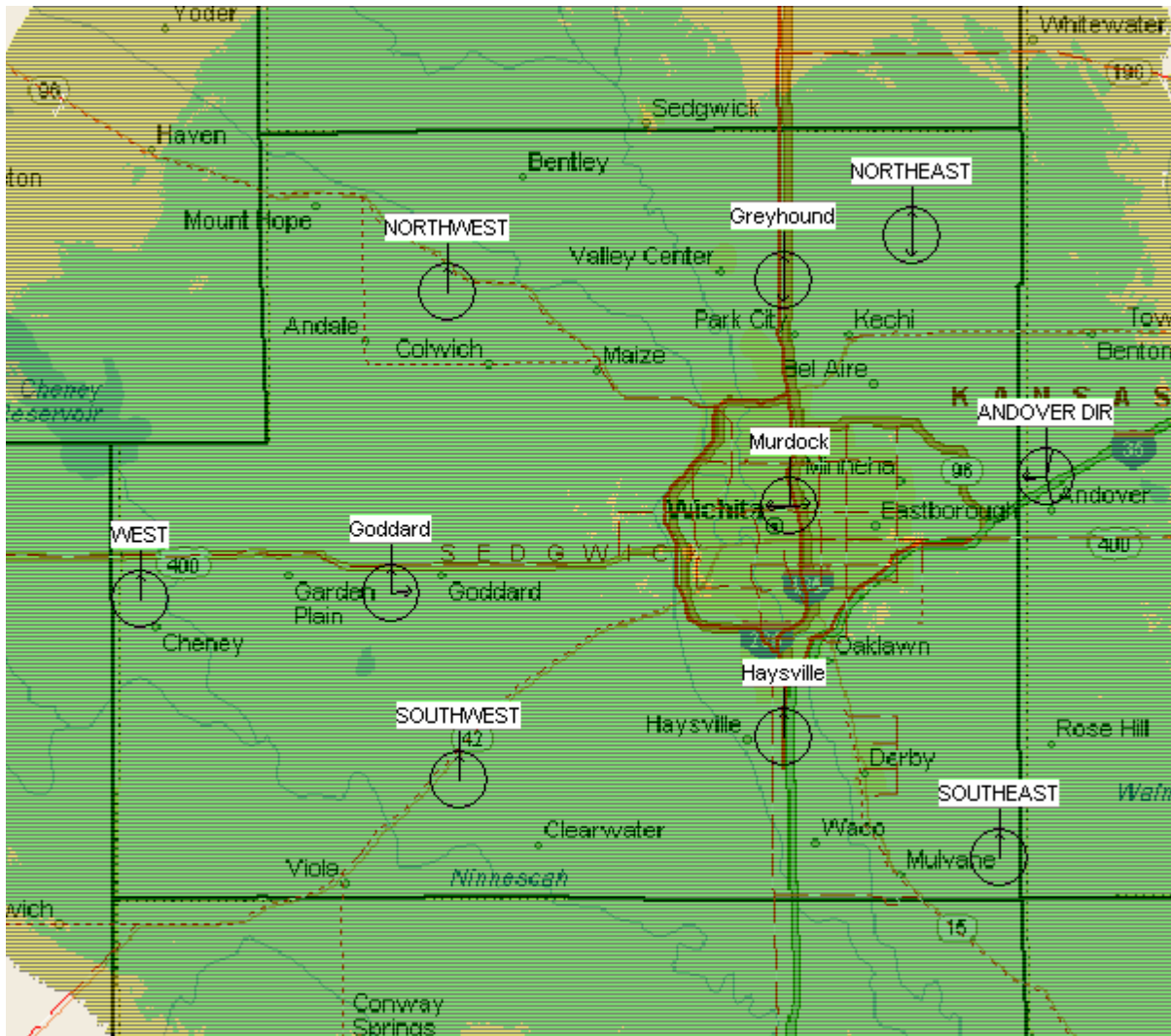
Four (4) current sites in Blue and Six (6) new sites in Green

Current System Coverage



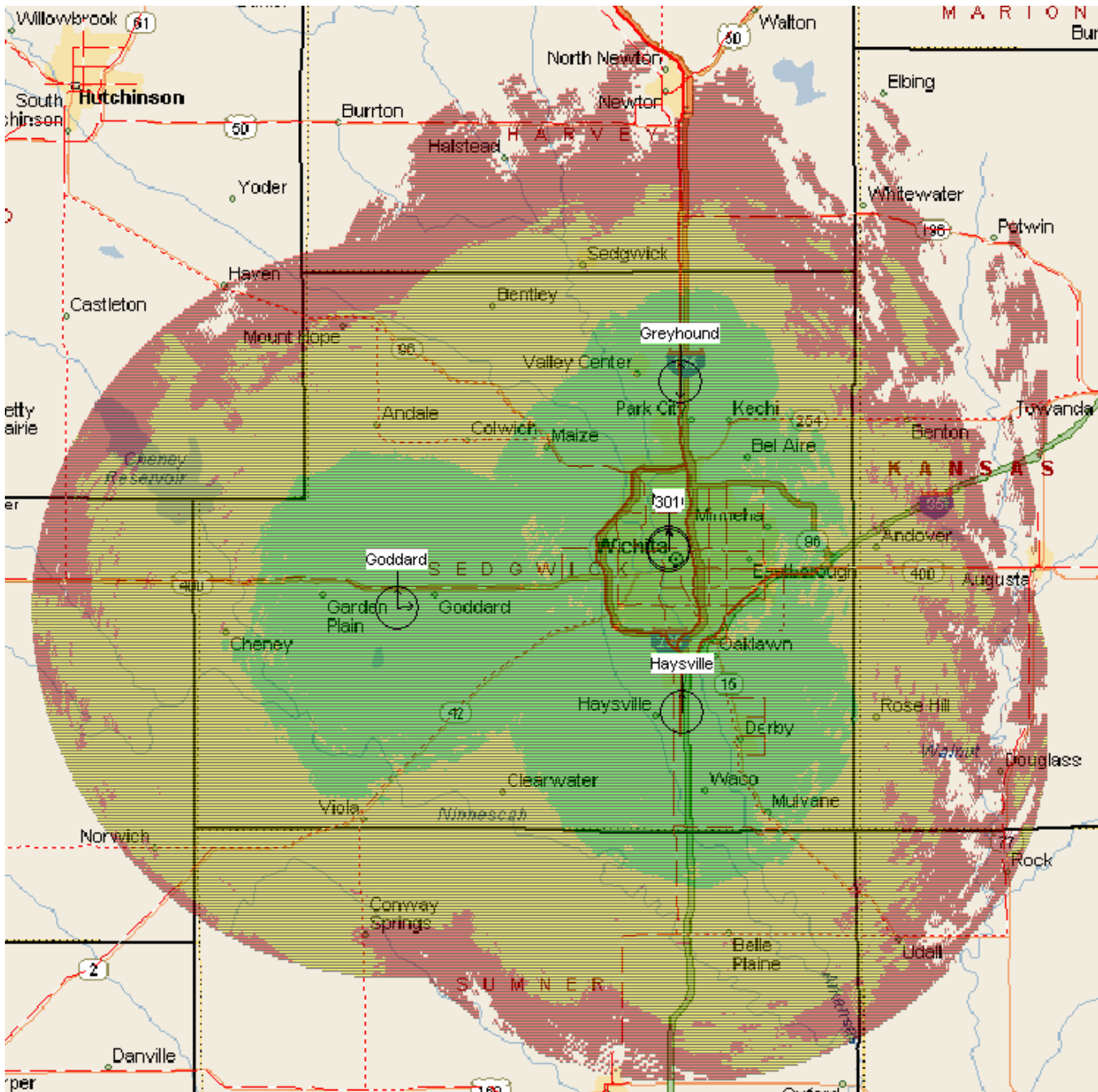
GREEN – PORTABLE ON STREET
YELLOW- RELIABLE MOBILE COVERAGE
RED – FRINGE AREA MOBILE COVERAGE

Future Conceptual Coverage



GREEN – PORTABLE ON STREET
YELLOW- RELIABLE MOBILE COVERAGE
RED – FRINGE AREA MOBILE COVERAGE

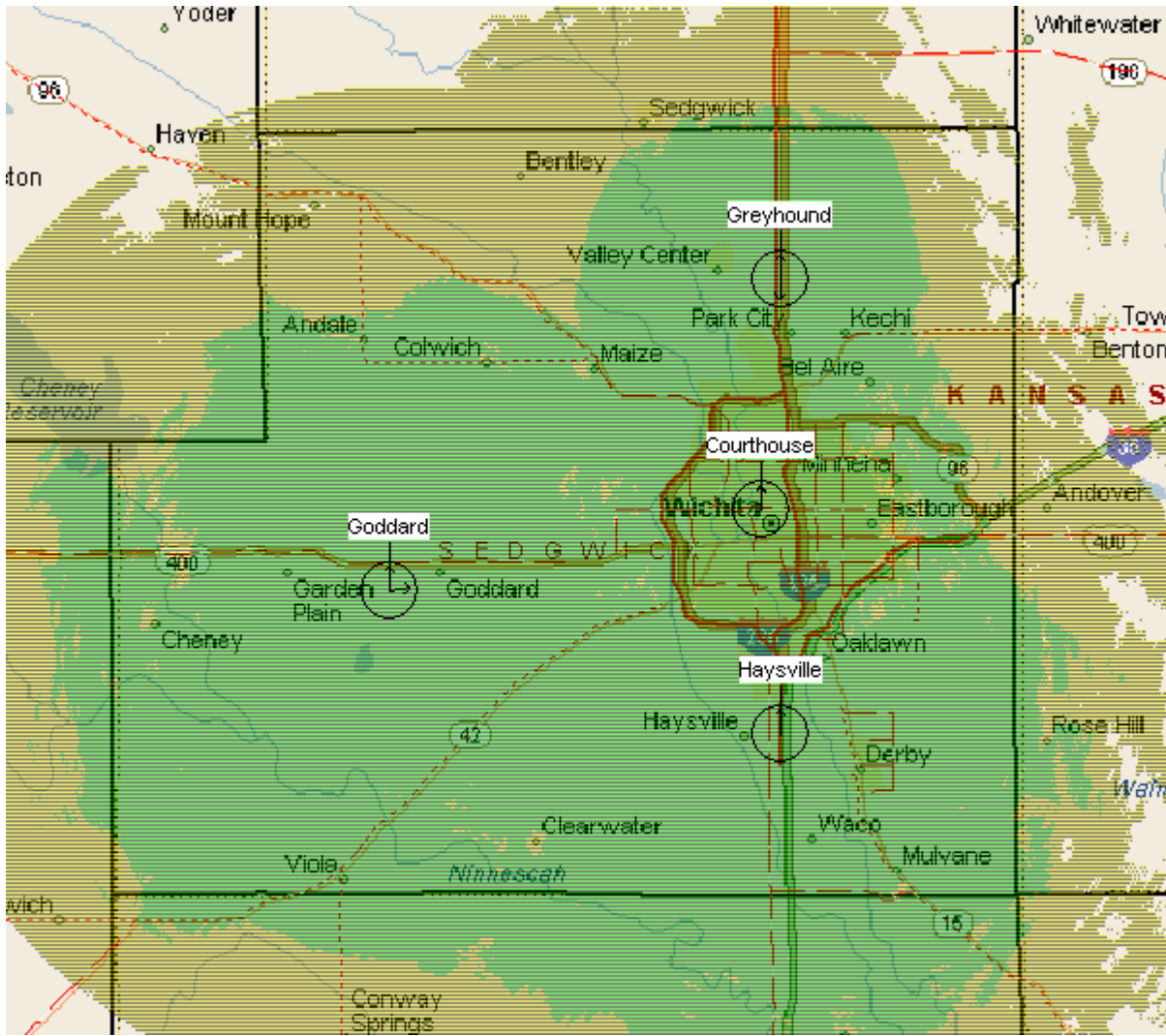
The following map shows the overall system coverage and identified coverage problem areas



- GREEN – PORTABLE ON STREET**
- YELLOW- RELIABLE MOBILE COVERAGE**
- RED – FRINGE AREA MOBILE COVERAGE**

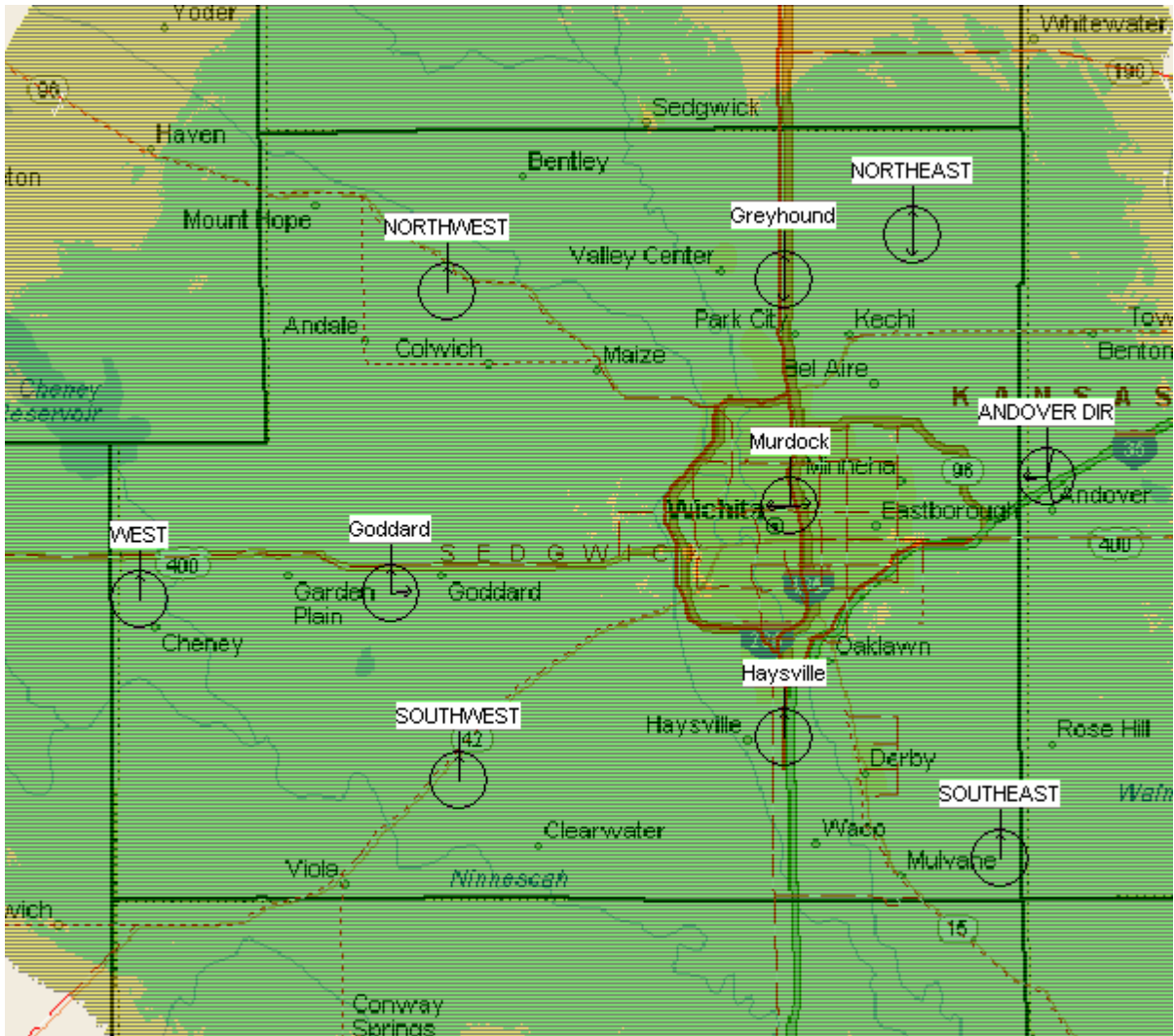
The dotted circles indicate poor coverage areas as reported by users. *(This best-case coverage prediction is based upon FCC database site locations and averaged power output levels of each site. It does not take into account man-made structure losses, underground facilities, etc.)*

BEFORE – THIS IS THE 4 SITE EXISTING SYSTEM COVERAGE



GREEN = -90 dBm
YELLOW = -100 dBm

AFTER – PROPOSED COVERAGE OF 10 SITE P-25 SYSTEM



GREEN = -90 dBm
YELLOW = -100 dBm

CERTIFIED OWNERSHIP LIST

*** The County will be receiving a copy of the list in electronic format from Security 1st Title, LLC**

OWNERSHIP LIST

PROPERTY DESCRIPTION

PROPERTY OWNER

<p>Lot 1, Blk A Subject Property</p>	<p>Sedgwick County Clonmel Yard Addition</p>	<p>Sedgwick County, Board of County Commissioners 538 N. Main Wichita, KS 67203</p>
<p>SE/4 EXC. the S 1367.14' of the W 500' thereof & EXC begin at the SE cor.; th. W 940.34; th. Nly 2094.38' to the N line; th. E 994.83' to the NE cor.; th. S 2627.88' to begin & EXC road on the S, 33-28-2W</p>		<p>William L. Metzen Jr. Revocable Trust & Helen L. Metzen Revocable Trust 21200 W. 55th South Viola, KS 67149</p>
<p>Begin 762.91' W of the NE cor. of the NE/4; th. Sly 723.70'; th. SW 102.22'; th. Sly 397.65'; th. SW 408.69'; th. W 222.29'; th. N 1511.50'; th. E 579.36' to begin & EXC the N 40' for road, 4-29-2W</p>		<p>Robert C. and Cynthia J. Alexander 17115 W. 71st St. South Viola, KS 67149</p>
<p>The NE/4 EXC the E 12 rods of the N 13 rods & EXC begin 762.91' W of the NE cor. thereof; th. Sly 723.70'; th. SW 102.22'; th. Sly 397.65'; th. SW 408.69'; th. W 222.29'; th. N 1511.50'; th. E 579.36' to begin & EXC for road & EXC additional .534 acres for r-o-w, 4-29-2W</p>		<p>Kenneth C. Mattley Living Trust 145 Rutland Wichita, KS 67206</p>
<p>NW/4 EXC roads, 4-29-2W</p>		<p>Neil J. and Sandra Youngers 26921 W. 71st South Viola, KS 67149</p>

The E 80 acres of the S 120 acres of the SW/4 lying S & E of AT&SF RR r-o-w EXC the S 50' for street, 33-28-2W		Josephine A. Jacobs Living Trust RR 1 Valley Center, KS 67147
The N/2 of the SW/4 EXC K-42 hwy. & EXC AT&SF RR r-o-w & EXC .53 acres more or less deeded to state for hwy., 33-28-2W		Ralph E. Struthers; Lois Cochran; Earl Struther; Robert Cochran & Jeremy Struthers 13920 W. 71 st St. South Clearwater, KS 67026

We hereby certify the foregoing to be a true and correct list of the property owners of the herein before described tracts and lots within a 1,000 foot radius of:

Lot 1, Block A, Sedgwick County Clonmel Yard Addition to Sedgwick County, Kansas.

as shown by the last deed of record filed in the Office of the Register of Deeds, Sedgwick County, Kansas, on the 18th day of July, 2012 at 7:00 A.M.

Security 1st Title LLC

By: _____

Licensed Abstracter

Order: 2057439
NS