



## AGENDA

President and Board of Trustees  
Village of Arlington Heights  
Board Room  
Arlington Heights Village Hall  
33 S. Arlington Heights Road  
Arlington Heights, IL 60005  
August 3, 2015  
8:00 PM

### **I. CALL TO ORDER**

### **II. PLEDGE OF ALLEGIANCE**

### **III. ROLL CALL OF MEMBERS**

### **IV. APPROVAL OF MINUTES**

- A. Committee of the Whole Minutes 7/20/2015
- B. Village Board Minutes 07/20/2015

### **V. APPROVAL OF ACCOUNTS PAYABLE**

- A. Warrant Register of 7/31/2015

### **VI. RECOGNITIONS AND PRESENTATIONS**

- A. Recognition of the 30th Anniversary of the Arlington International Racecourse "Miracle Million"

### **VII. PUBLIC HEARINGS**

### **VIII. CITIZENS TO BE HEARD**

Anyone wishing to speak on a subject not on the Agenda should fill out a card, located in the back of the room, and hand it to the Village Clerk. Please limit your comments to three minutes.

### **IX. OLD BUSINESS**

- A. Report of the Committee-of-the-Whole Meeting of August 3, 2015

Consideration of recommending to the Liquor Commissioner the issuance of a Class "B" and "T" Liquor License to Ruffolo Fresh

Market, Inc., dba Farmers Pride Fresh Market, located at 1414 W. Algonquin Road

- B. Report of the Committee-of-the-Whole Meeting of August 3, 2015

Interview of Jim Mitchell for Appointment to the PAM Board of Directors

## **X. CONSENT AGENDA**

This Agenda consists of proposals and recommendations that, in the opinion of the Village Manager, will be acceptable to all members of the Board of Trustees. The purpose of this Agenda is to save time by taking only one roll call vote instead of separate votes on each item. Consideration of this Consent Agenda will be governed by the following rules and procedures prior to roll call vote:

1. Any Trustee who wishes to vote "no" or "pass" on any Consent Agenda items should so indicate.
2. Upon the request of any one Trustee, any item will be removed from the Consent Agenda and considered separately after adoption of the Consent Agenda.
3. Citizens in the audience may ask to remove any item on this Consent Agenda.
4. One roll call vote will be taken and will cover all remaining Consent Agenda items.

### **CONSENT APPROVAL OF BIDS**

- A. Acquisition of new Police Dog
- B. Replacement Respiratory Protection System
- C. Furnishing of Aggregate Materials, Trucking and Disposal of Debris

### **CONSENT LEGAL**

- A. An Ordinance Granting a Land Use Variation and Variations from Chapter 28 of the Arlington Heights Municipal Code (Suburban Trim & Glass, 206 W. Campus Drive)
- B. A Resolution Authorizing the Execution of an Automatic Fire Mutual Aid Agreement Between the City of Rolling Meadows and the Village of Arlington Heights (Fire and ambulance services)
- C. An Ordinance Amending Chapter 6 of the Arlington Heights Municipal Code (Section 6-505 - The Arlington Economic Alliance)
- D. A Resolution Approving an Agreement with the Illinois Department of Transportation for Improvements on Illinois Route 68 between North Wilke Road and Kennicott Avenue (Resurfacing, curbs, landscaped medians, upgraded traffic signals, lighting and pedestrian walk signals)



- E. Funding Resolution  
(Village's share of Dundee Road improvements between North Wilke Road and Kennicott Avenue)
- F. An Ordinance Designating Two-Way Stop Streets  
(Recreation Park neighborhood)
- G. A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes  
(5' of the north 25' at 707 W. Noyes Street)
- H. A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes  
(5' easement to be located immediately west of existing 5' easement along the east side of 2305 E. Grove Street)
- I. An Ordinance Amending Chapter 13 of the Arlington Heights Municipal Code  
(Surrender of Class "A" liquor license)
- J. A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes  
(5' easement to be located immediately west of existing 5' easement along the east side of 407 S. Donald Ave.)
- K. A Resolution Approving a License Agreement with Day Go Dog & Za Restaurant  
(Outdoor eating area in front of 5 W. Campbell Street)

#### **CONSENT PETITIONS AND COMMUNICATIONS**

- A. Bond Waiver - St. James

#### **XI. APPROVAL OF BIDS**

#### **XII. NEW BUSINESS**

- A. Verizon Wireless Antenna at Luther Village - 800 E. Oakton St. - PC#15-009  
Special Use Permit for a Rooftop Wireless Antenna
- B. T-Mobile - 1000 S. Arlington Heights Rd. - PC#15-003  
Special Use Permit for a Wireless Antenna Tower
- C. T-Mobile - 1000 S. Arlington Heights Rd. - BCRB - Proposed  
Variance Request for Monopole Height

#### **XIII. LEGAL**

#### **XIV. APPOINTMENTS**

#### **XV. PETITIONS AND COMMUNICATIONS**

#### **XVI. REPORT OF THE VILLAGE MANAGER**

- A. Request for Closed Session per 5 ILCS 120/2(c)(21): Discussion of minutes lawfully closed, whether for purposes of approval of the minutes or the semi-annual review of the minutes

#### **XVII. ADJOURNMENT**

Persons with disabilities requiring auxiliary aids or services, such as an American Sign Language interpreter or written materials in accessible formats, should contact David Robb, Disability Services Coordinator, at 33 S. Arlington Heights Road, Arlington Heights, Illinois 60005, (847)368-5793 (Voice), (847)368-5980 (Fax) or [drobb@vah.com](mailto:drobb@vah.com).



**Item:** Committee of the Whole Minutes 7/20/2015

**Department:** Village Clerk

---

**Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

Committee of the Whole Minutes  
7/20/2015

**Type**

Minutes



## MINUTES

President and Board of Trustees  
Village of Arlington Heights  
Committee-of-the-Whole  
Community Room  
Arlington Heights Village Hall  
33 S. Arlington Heights Road  
Arlington Heights, IL 60005  
July 20, 2015  
7:15 PM

### **I. CALL TO ORDER**

Mayor Tom Hayes called the meeting to order at 7:18 PM.

### **II. PLEDGE OF ALLEGIANCE**

### **III. ROLL CALL**

BOARD MEMBERS PRESENT: Mayor Hayes; Trustees Blackwood (arrived 7:25 PM), Farwell, Glasgow, LaBedz, Sidor

TRUSTEES ABSENT: Trustees Rosenberg, Scaletta, Tinaglia

STAFF MEMBERS PRESENT: Village Manager Randy Recklaus; Assistant Village Manager Diana Mikula

OTHERS PRESENT: Ms. Kusum Patel, Mr. Dhruv Patel, Ms. Reshma Patel and Ms. Binita Patel representing R-K Group Enterprises, Inc., dba Foremost Liquors; Denise Beihoffer, Dori Bonder, Kathy Grossman, and Monica McCarthy of the Metropolis Board

### **IV. NEW BUSINESS**

- A. Consideration of recommending to the Liquor Commissioner the issuance of a Class "B" & "T" Liquor License to R-K Group Enterprises, Inc., dba Foremost Liquors, located at 1776 W. Algonquin Road

Mayor Hayes swore in Mr. Dhruv Patel.

Ms. Mikula reported to the Board that at the July 6, 2015 Committee-of-the-Whole meeting, the Village Board deferred action on the liquor license

application of R-K Group Enterprises, Inc., dba Foremost Liquors who are seeking a Class "B" & "T" liquor license. At that meeting, questions were raised of the liquor license applicant regarding the Liquor Application and Additional Liquor Applicant Information Forms. Since the July 6 meeting, she has had a chance to review those questions with applicant Mr. Dhruv Patel and with the Arlington Heights Police Department.

Ms. Mikula stated that the liquor license application disclosed that one of the owners has a liquor license with Amador Liquor in Chicago. Ms. Kusum Patel has ownership interest in Amador and she disclosed this in her Additional Applicant Information form. The AHPD confirmed that Chicago PD reported that they did not have any record of violations at Amador Liquors in Chicago.

On Ms. Reshma Patel's Additional Liquor Applicant Information form, she disclosed she had ownership interest in two Alfredo's Pizza locations. It was discovered that the Lake in the Hills Alfredo's does have a liquor license, which should have been disclosed on page 6 of the Liquor License Application. The AHPD indicated they checked with Lake in the Hills Police Department and no issues were reported with Reshma Patel or Alfredo's Pizza, 4560 W. Algonquin Road, Lake in the Hills.

On July 14, Mr. Dhruv Patel provided the response on page 2 of this packet as to why the Lake in the Hills Alfredo's Pizza was not listed on the Liquor License application. He said it was a mistake not listing Alfredo's on the application. He is familiar with the Hoffman Estates location because he frequents there and because they don't have a liquor license he assumed the Lake in the Hills location did not as well. He has since amended page 6 of the Liquor License Application to reflect this change which is included in the packet.

Mayor Hayes just wanted to confirm for the record that Mr. Patel had no intent to deceive the Board in any way. Mr. Patel stated that was correct.

Trustee Glasgow asked Mr. Patel if he understood why he asked if Mr. Patel wanted to amend his answer at the last meeting. Mr. Patel confirmed he did. Trustee Glasgow further stated that it's important that the Board have all the information of these applications because we can't tell if you intentionally did try to deceive the Board or if you did make an honest mistake. The Board can't make a fair decision if you are in good character to hold a liquor license unless we have all the necessary information.

**TRUSTEE GLASGOW MOVED, SECONDED BY TRUSTEE LABEDZ TO RECOMMEND THAT THE VILLAGE BOARD OF TRUSTEES RECOMMEND TO THE LIQUOR COMMISSIONER THE ISSUANCE OF A CLASS "B" AND CLASS "T" LIQUOR LICENSE TO R-K GROUP ENTERPRISES, INC. DBA FOREMOST LIQUORS, LOCATED AT 1776 WEST ALGONQUIN ROAD.**

**LIQUOR LICENSE WILL BE ISSUED AFTER CURRENT LIQUOR LICENSE IS SURRENDERED.** The motion passed 5-0.

Mayor Hayes informed Mr. Patel and his partners that the Village of Arlington Heights takes the liquor laws very seriously. The Village requires your compliance of all of those laws and we will make periodic checks to ensure the laws are being followed.

B. Interview of Steve Daday for Appointment as President of the PAM Board of Directors for a three-year term

Mayor Hayes introduced Steve Daday and discussed his qualifications for serving as President of the Performing Arts at Metropolis Board. Steve fulfills a number of qualifications for the job as President and leader of the Metropolis Board including his leadership, his professionalism, his knowledge and expertise of the history of Metropolis, and he was on the Board when it was created. He has been a public servant in the community and has volunteered his time for many years in many different capacities.

Trustee Sidor asked Mr. Daday his thoughts on the direction of Metropolis and where he wants to see it go. Mr. Daday said he was on the Board when Metropolis was developed and it was a much different entity at that point. There was the Youth Symphony which was world-renowned, and was very well accepted in the Arts community. The programming at that time was well thought out and Metropolis was a very popular place to be. He said it seems to have dissipated in some ways over the last several years and he feels it needs to get re-invigorated. Metropolis is an asset to the community and it draws thousands of people into the community. He said some of the reports show 75% of the attendees are non-residents of Arlington Heights and that is a good thing, but he would like to make sure the community is also invested in this asset. He wants to see the residents of the community as subscribers, as donors, as sponsors and he will work very hard to improve that.

Mr. Daday further stated he feels his role is to lead the PAM Board. The PAM Board should provide oversight in all aspects going on at Metropolis such as financially, programmatically, staff, and development. He wants to make sure the recommendations identified in reports by Johnson Consulting are looked at and evaluated. He said Metropolis is experiencing a turnaround and wants it to continue. Trustee Sidor asked Mr. Daday if he feels the responsibility of Metropolis should be on the PAM Board and not on Administration. Mr. Daday agreed.

Trustee Glasgow asked Mr. Daday how the discipline and structure of running his law firm translates with his job as President of Metropolis. Mr. Daday said he intends to establish procedures and processes and setting direction. Trustee Glasgow asked Mr. Daday with that kind of structure and discipline, what kind of format did he see for the PAM Board vis-à-vis the

Administration. Mr. Daday said the Board has to set the ground rules and establish the policies and procedures. The fiscal and financial oversight is at the top and, therefore, the PAM Board, not the Executive Director, has to provide financial reports in a meaningful manner because of the relationship with the Village and the relationship with the Community. Trustee Glasgow said he was appreciative of Mr. Daday again serving the community and said his knowledge of the Village Board along with Metropolis makes him the perfect candidate.

Trustee LaBedz asked Mr. Daday if he had any thoughts about the schools. He said it would be a tremendous asset to partner with the schools to utilize the facilities.

Trustee Blackwood asked Mr. Daday how he would make Metropolis work. Mr. Daday said Metropolis will work because the passion of the current Board members, the new Board members, the current staff, the Village Board, and the 75,000 residents of the community will make it work.

Trustee Blackwood asked Mr. Daday how he would reach the residents. Mr. Daday said he would promote, work to increase the subscriber base, the corporate sponsorship base, the donor base, and make Metropolis their theater.

**TRUSTEE GLASGOW MOVED TO CONCUR IN THE MAYOR'S APPOINTMENT OF STEVE DADAY AS PRESIDENT OF THE PAM BOARD OF DIRECTORS FOR A THREE-YEAR TERM. TRUSTEE FARWELL SECONDED THE MOTION.**

The motion passed 6-0.

- C. Interview of Colleen Ungurean for Appointment to the PAM Board of Directors for a one-year term

Mayor Hayes introduced Colleen Ungurean and discussed her qualifications for serving on the Metropolis Board. The Mayor said Colleen has been very active in the community. She devotes a lot of time to volunteerism and philanthropy and has a willingness to serve.

Trustee Glasgow asked Ms. Ungurean how her background in education would translate to Metropolis and what she thought the benefits would be to both her and Metropolis by being on the Board. Ms. Ungurean said she is a very enthusiastic team worker and works very hard and well with other team members. She has been on all of the fundraising committees at Metropolis. She wants to promote the children's programs at Metropolis to the community. She wants Metropolis to be a destination that people go to.

Trustee Blackwood asked Ms. Ungurean what two things she would do to make Metropolis a success financially. She said she will be the loudest cheerleader for Metropolis and said she is a problem solver.

Trustee Blackwood asked Ms. Ungurean what has worked in fundraising this year at Metropolis. She said the Soiree is a huge success at Metropolis. The wine tasting is a new event and has promising numbers too.

**TRUSTEE FARWELL MOVED TO CONCUR IN THE MAYOR'S APPOINTMENT OF COLLEEN UNGUREAN TO THE PAM BOARD OF DIRECTORS FOR A ONE-YEAR TERM. TRUSTEE GLASGOW SECONDED THE MOTION.** The motion passed 6-0.

The Mayor thanked the current members of the Metropolis Board who were present at the meeting for their years of service on the PAM Board.

## **V. OTHER BUSINESS**

## **VI. ADJOURNMENT**

**TRUSTEE LABEDZ MOVED, SECONDED BY TRUSTEE SIDOR TO ADJOURN.**

The meeting adjourned at 7:50 PM.

Recorded By: Diane Staggs, Admin. Asst. II





**Item:** Village Board Minutes 07/20/2015

**Department:** Village Clerk

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>               | <b>Type</b> |
|----------------------------------|-------------|
| Village Board Minutes 07/20/2015 | Minutes     |



MINUTES  
President and Board of Trustees  
Village of Arlington Heights  
Board Room  
Arlington Heights Village Hall  
33 S. Arlington Heights Road  
Arlington Heights, IL 60005  
July 20, 2015  
8:00 PM

**VIDEO I. CALL TO ORDER**

The Village Clerk Called the roll with President Hayes the following Trustees responding: Sidor, Blackwood, LaBedz, Glasgow and Farwell.

Also in attendance were: Randy Recklaus, Robin Ward, Tom Kuehne, Charles Perkins, Diana Mikula, Mark Burkland and Becky Hume.

**VIDEO II. PLEDGE OF ALLEGIANCE**

**VIDEO III. ROLL CALL OF MEMBERS**

**VIDEO IV. APPROVAL OF MINUTES**

VIDEO        A.        Committee-of-the-Whole Minutes 06/15/2015        Approved

Trustee Carol Blackwood moved to approve. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Glasgow, Hayes, LaBedz, Sidor.

Abstain: Farwell.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO        B.        Committee-of-the-Whole Minutes 07/06/15        Approved

Trustee Glasgow requested that these minutes be corrected to reflect his concern regarding the petition as there were multiple partners on a single application.

Trustee Thomas Glasgow moved to approve with corrections. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Tinaglia, Scaletta.

VIDEO C. Village Board Minutes 07/06/2015 Approved

Trustee Carol Blackwood moved to approve. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO D. Committee-of-the-Whole Minutes 07/13/2015 Approved

Trustee Joe Farwell moved to approve. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Tinaglia, Scaletta.

VIDEO **V. APPROVAL OF ACCOUNTS PAYABLE**

VIDEO A. Warrant Register of 7/15/2015 Approved

Trustee Joe Farwell moved to approve the Warrant Register in the amount of \$1,611,873.32. Trustee Thomas Glasgow Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO **VI. RECOGNITIONS AND PRESENTATIONS**

VIDEO A. Presentation by the Respiratory Health Association

Bill Kruser presented the Village with a certificate from the Respiratory Health Association for adding baking projects and E-cigarettes to the smoke free law. The Village's action protects visitors, workers and residents from exposure to toxins.

President Hayes said he was proud of award, and said the Village promotes healthy lifestyles. Having a smoke free environment is a big part of that goal.

VIDEO        B.        Proclamation of the 25th Anniversary of the  
Americans with Disabilities Act

President Hayes read the Village's Proclamation recognizing the 25<sup>th</sup> anniversary of the Americans with Disabilities Act. Seth Goldberg, Chair of the Village's Commission of Citizens with Disabilities, thanked the Village for their ongoing support. Mr. Goldberg said it was important to ensure equal access to everyone with disabilities. President Hayes said all citizens, staff and the Citizens with Disabilities Commission helped accomplish the goals of the ADA.

VIDEO **VII. PUBLIC HEARINGS**

VIDEO **VIII.CITIZENS TO BE HEARD**

VIDEO **IX. OLD BUSINESS**

VIDEO        A.        Report of the Committee-of-the-Whole Meeting of    Approved  
July 13, 2015

Recommendation of the Arlington Economic  
Alliance regarding proposed Code changes to  
Section 6-505

Trustee Scaletta moved, seconded by Trustee  
Farwell that the Committee-of-the-Whole  
recommend to the Village Board adoption of an  
ordinance amending Section 6-505 of the  
Arlington Heights Municipal Code with the changes  
proposed by the Arlington Economic Alliance. The  
motion passed unanimously.

Trustee Joe Farwell moved to approve. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO        B.        Report of the Committee-of-the-Whole Meeting of    Approved  
July 13, 2015

•

Trustee Scaletta moved, seconded by Trustee Sidor that the Committee-of-the-Whole recommend to the Village Board approval of the 2016 budget ceilings of \$72,253,100 for the General Fund; and \$19,526,700 for the Water & Sewer Fund. The motion passed unanimously.

Trustee Farwell said the Village is fiscally in good shape and that the reserves are doing well. The budget ceiling for the next fiscal year projects a 1.39 % increase over the prior year. The Village continues to operate with no expansion of staff or street services, while still funding the pension obligations at the rate suggested by actuaries. The increase reflects that. He said negative actions in Springfield impact the Village and its citizens.

Trustee Mike Sidor moved to approve. Trustee Carol Blackwood Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

|       |    |                                                               |          |
|-------|----|---------------------------------------------------------------|----------|
| VIDEO | C. | Report of the Committee-of-the-Whole Meeting of July 20, 2015 | Approved |
|-------|----|---------------------------------------------------------------|----------|

Consideration of recommending to the Liquor Commissioner the issuance of a Class "B" & "T" Liquor License to R-K Group Enterprises, Inc., dba Foremost Liquors, located at 1776 W. Algonquin Road

Trustee Thomas Glasgow moved to recommend the Liquor Commissioner the issuance of a Class "B" & "T" Liquor License to R-K Group Enterprises with the condition that the existing license must be surrendered prior to issuance. Trustee Robin LaBedz Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Scaletta, Tinaglia, Rosenberg.

|       |    |                                                               |          |
|-------|----|---------------------------------------------------------------|----------|
| VIDEO | D. | Report of the Committee-of-the-Whole Meeting of July 20, 2015 | Approved |
|-------|----|---------------------------------------------------------------|----------|

## Interview of Steve Daday for Appointment to the PAM Board of Directors

## Interview of Steve Daday for Appointment to the PAM Board of Directors

Trustee Glasgow thanked Mr. Daday for coming forward to support Metropolis.

Trustee Thomas Glasgow moved to concur with the Mayor's appointment of Steve Daday to the PAM Board. Trustee Joe Farwell Seconded the Motion.  
The Motion: Passed  
Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Scaletta, Tinaglia, Rosenberg.

|       |    |                                                               |          |
|-------|----|---------------------------------------------------------------|----------|
| VIDEO | E. | Report of the Committee-of-the-Whole Meeting of July 20, 2015 | Approved |
|-------|----|---------------------------------------------------------------|----------|

## Interview of Colleen Ungurean for Appointment to the PAM Board of Directors

Ms. Ungurean said she was humbled and grateful to be asked.

Trustee Joe Farwell moved to concur with the Mayor's appointment of Colleen Ungurean to the PAM Board. Trustee Thomas Glasgow Seconded the Motion.  
The Motion: Passed  
Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

## VIDEO X. CONSENT AGENDA

## CONSENT OLD BUSINESS

## VIDEO CONSENT APPROVAL OF BIDS

|       |    |                          |          |
|-------|----|--------------------------|----------|
| VIDEO | A. | Asphalt Tack Distributor | Approved |
|-------|----|--------------------------|----------|

Trustee Thomas Glasgow moved to approve. Trustee Mike Sidor Seconded the Motion.  
The Motion: Passed  
Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO **CONSENT LEGAL**

VIDEO            A.        A Resolution Approving Certain Property to            Approved  
Participate in the Cook County Class 6b  
Assessment Incentive Program (Suburban Trim and  
Glass, 206 W. Campus Drive)

Trustee Thomas Glasgow moved to approve R15-025. Trustee Mike Sidor  
Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Scaletta, Rosenberg, Tinaglia.

VIDEO            B.        An Ordinance Preempting Cook County Code            Approved  
Section 10-13  
(Opting out of Cook County's ordinance which  
prohibits the sale of commercially bred dogs, cats  
and rabbits in pet shops)

Trustee Thomas Glasgow moved to approve R15-021. Trustee Mike Sidor  
Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO            C.        An Ordinance Amending Planned Unit            Approved  
Development Ordinance Number 67-120  
(Northwest Metalcraft, 413 S. Arlington Heights  
Road)

Trustee Thomas Glasgow moved to approve 15-022. Trustee Mike Sidor  
Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

VIDEO            **CONSENT REPORT OF THE VILLAGE MANAGER**

VIDEO            A.        Settlement of Lovi v. Village of Arlington Heights,    Approved  
et al.

Trustee Thomas Glasgow moved to approve the settlement in the case of  
Lovi v. Village of Arlington Heights, in the amount of \$185,000 to be

distributed as \$10,000 to Mr. Lovi and \$175,000 to his attorneys and no admission of liability on the part of the Village or any of its police officers. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

#### VIDEO **XI. APPROVAL OF BIDS**

|       |    |                                                                                                            |          |
|-------|----|------------------------------------------------------------------------------------------------------------|----------|
| VIDEO | A. | Change order J.Gill and Company for North<br>Parking Garage restriping and traffic marking<br>change order | Approved |
|-------|----|------------------------------------------------------------------------------------------------------------|----------|

Mr. Recklaus said that the consultant reviewing the Village's North Parking Garage has proposed concepts to restripe the garage which would increase the number of spaces by ten. Staff is recommending that the parking fund be used, and therefore it is necessary to enter a change order for \$11,500 to allow this work to be done.

President Hayes said that he does not want this to be the new standard and looking forward would like to keep parking spots as wide as possible unless there are extenuating circumstances.

Trustee Robin LaBedz moved to approve. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

#### VIDEO **XII. NEW BUSINESS**

|       |    |                                             |          |
|-------|----|---------------------------------------------|----------|
| VIDEO | A. | Chuck-E-Cheese - 41 W. Rand Rd. - PC#15-008 | Approved |
|-------|----|---------------------------------------------|----------|

Jennifer Moulton of CEC Entertainment said they are relocating from their current site to a larger one in order to offer residents a better facility.

President Hayes asked if there would be liquor at this location. Ms. Mikula said that there would be and a change in location for the liquor license can be administratively approved.

Trustee Blackwood asked how the new space would be allocated. Ms. Moulton said there would be more restaurant space, more amusement space and the party area will be much larger.



Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

|       |    |                                                                         |
|-------|----|-------------------------------------------------------------------------|
| VIDEO | B. | Bright Horizons - 1120 N. Arlington Heights Rd. - Approved<br>PC#15-006 |
|-------|----|-------------------------------------------------------------------------|

Dawn Ellis-Ferzacca of Bright Horizons introduced: Danny Toole-Project Manager from Massachusetts, Robert Wald-Local Project Manager, Mike Aufderheide -Architect, and Luay Aboona of KLOA. In response to the concerns raised at the Plan Commission Meeting, they have a plan that shifted the infant toddler area and moved the two year olds further to the east. If they were to move the outdoor area to the front of the building, they would lose 100 square feet. Ms. Ellis-Ferzacca said no child taller than 36" would be playing in the rear of the building and that age group is non-verbal. She described the improved landscaping plan for the area which would have a 6' white fence and an 8 foot arbor vitae screen. They removed the climbing structures and it will be a natural environment. She explained that this is not a school, so there are never more than 20 children outside in the same age group at the same time. If the playground was moved to front, parking would be compromised. She said they did not think there would be an impact on any other business negatively because of traffic.

Trustee Glasgow asked how they would address the water drainage. Ms. Ellis-Ferzacca said they will put drains there to tie into the storm water system. Trustee Glasgow questioned the size and appropriateness of the rear of the building for a playground. Ms. Eillis-Ferzacca there will be new curbing and sidewalks, different surfaces, not just grass, with cushioning to meet state guidelines.

Trustee Glasgow said he was concerned that there is no turn lane on Arlington Heights Road at this location and that there is already significant traffic because of the Fire Station and Olive School. Mr. Aboona said through their study, there are ten times more gaps than the projected number of vehicles which are anticipated to turn into the property. The nearby traffic signal creates a lot of gaps. There will be instances where people have to wait, but not long enough to cause a backup onto the

street. To exit the property, gaps are less available with twice as many gaps in the afternoon as opposed to the morning. Waiting will occur on site and not impede traffic.

Trustee Glasgow said the area is so tight because the building is so far back on the property. He said he didn't think this is an appropriate use for this property. It was better as office transitional.

Trustee Blackwood asked about a possible right-in/right-out turn. Mr. Perkins said staff did not suggest that but did ask them to perhaps widen the lane to allow a separate left-out and right-out. This option would require IDOT review and approval. He said he would be concerned about restricting traffic to a right-in/right-out as it might circulate traffic into the neighborhood. Trustee Blackwood said the site was clearly designed as an office, the back has such a narrow strip, even for little ones. She said she would be happier with the playground in front even if square footage is lost for parking.

Trustee Blackwood said she was uncomfortable with having left turn going north on Arlington Heights Road. Mr. Aboona said the previous tenant generated traffic all day long and this user would only be morning and evening. He said there is no doubt there will be wait times for vehicles making a left hand turn. He said the childcare center was in character of Arlington Heights Road as there is a KinderCare further north which has the same situation. Based on the traffic studies, there are more than enough gaps for people to exit and enter. He said he could appreciate widening the driveway, he suggested the Village do a look back, as the center won't be fully occupied on day one.

Trustee Blackwood said she could envision revisiting the driveway in a year. She said the Village needs child care. She said they have done a lot with a strange layout, but she was concerned about the traffic and safety.

Trustee LaBedz said she was concerned about traffic and the playground. She said she would prefer three lanes in the parking lot to include a right turn, a left turn and an inbound lane. She said she was concerned about the low lying area in the rear as it was wet and muddy. Trustee Labedz said she preferred the play area in front. She inquired about the echoing of noise that some neighbors had complained about. Mr. Perkins said that the building wall was close to the resident's homes so noises play off the wall.

Trustee Sidor likened this situation to turning left at the Glueckert Funeral Home. Has said he was concerned that traffic would back up on Arlington Heights Road at key times.

Maureen Fischer thanked the Board members who walked the property. She said she was astounded that everything has changed since the Plan Commission meeting and these new plans were not available to the public. She said she never knew there were 4 playgrounds. Nothing was said

about the playground on the south side at the Plan Commission Meeting. She said per a June 20th email from Ms. Ellis-Ferzacca that there would not be playground bells, horns or whistles. However, there will be instruments, including a hank drum, chimes, bongo, tuned drums and a glockenspiel. She said wind chimes echo off the building all the way to her patio. She said she was misled by omission, as instruments are not bells but they are noise makers.

Irene Jimenez said she purchased her two flat so her son could attend Arlington Heights schools. She needs the second income from renting the second story to make the mortgage payment. She said her son attended Bright Horizons for four years and it was a good experience. She said she would be adversely affected by noise from the playground which would have 192 children outside playing each and every day. No amount of landscaping can muffle the noises and her current tenants are already objecting. She said it would be impossible to find new tenants who would find this noise level acceptable. She said despite her goodwill for Bright Horizons, she said it would be better to find a location in a business park.

Bruce Austin said day cares should not be in an area like this. Day care is needed but this is not the right location. If a right-in/right-out was added it would put more traffic on Dunton which people already use as a cut through. Students use Dunton as bypass for Arlington Heights Road, he said he doesn't need more traffic on Dunton.

Eileen Austin said they spend a lot of time in their backyard directly behind the proposed daycare. Playground noise will be consistent during the day, every day and on Saturdays during open houses. Four playgrounds will bring high pitched laughing, screaming, yelling and crying. She said noise making instruments, reminded her that a bell on the boat at St. Peters ran all week, all night, all day, before the bell was taken out. This center would bring constant noise and she listed the instruments she would have to listen to. She said there is nothing intended to be built between the fence lines. It's a small space for children. Just because it meets DCFS's minimum requirements, doesn't mean it is the ideal location. She said Dunton is a speedway and a right-in/right-out would increase traffic. Already Olive, Thomas, Hersey, St. James and St. Peters traffic comes down Dunton.

Ms. Ellis-Ferzacca said all the musical instruments were removed in the new design. President Hayes noted the revised proposal did remove the instruments since the Plan Commission Meeting.

Kathy Wendell said that on Arlington Heights Road there are many bad days with malfunctioning traffic lights, storms and that traffic gets backed up. Winter weather causes more traffic flow problems. A right-in/right-out would increase traffic on Dunton. If it was her child, she wouldn't be happy without the climbing structures. Activity is important to youngsters, the instruments would be amazing, and she said she would not want those taken away. She said she was not so worried about hearing children. The

traffic is really loud. She said by removing what is wonderful about Bright Horizons to make this project work, is detracting from what the center should be.

Mark Gaylord said modifications occur after plans are approved, he said he worried that the noise makers might come back later. He said Arlington Heights Road and Olive Street is a zoo in the morning for the start of school. People make last minute lane changes to avoid traffic but there is no option to do that if this is their destination. He worried that another 100 cars would be cutting through the neighborhood to avoid the left hand turn.

John Fisher said that the rear playground has no access in the back. He said it is a damp dark area with soft soggy land, sidewalks will take up space from the layout, which brings play space down to 15'. He said there is one door in the back, nothing on the north side, there are no doors or exits and landscaping straight up hill. The whole layout is wrong. He said you can't let kids run in the mud.

Mark Glazer, the property owner, said this new proposal adequately addressed the Plan Commission's concerns. DCFS understands children and what their needs are. Traffic will always be the case on Arlington Heights Road. There was a very busy medical practice here before, and the parking lot was always jammed. There has never been a left hand turn problem. An expert in driving did a complete study and there are gaps because of the stop lights. No other building or business has a right-in/right-out. He said the building is vacant, the residents are concerned about their housing, but he is concerned about this building, as it has been vacant for 9 months. He said he has always been a good neighbor.

Ms. Toole of Bright Horizons said the change in plans came through working with the Planning Department after the Plan Commission meeting. They have made a great effort to address each and every concern. Friday, the Planning Department asked them to look at a different option. She said she was a bit offended that people accused them of coming through the back door; she said they took out the instruments and they will keep them out like they said they would. This is not a secret plan, it was an option asked for by the Planning Department. She said if the Board likes the playground in front, they will explore it.

President Hayes said the Planning Department asked for the changes, there was no intent to mislead or deceive. The petitioner is trying to address the concerns. It is unfortunate that a complete proposal was not ready prior to this meeting.

Ms. Ellis-Ferzacca said open houses were extremely rare, occurring perhaps twice a year, and were most likely held inside the building or in the parking lot. The climbing structures would be kept for preschoolers in front. The indoor space has a rock climbing wall. The two year old playground was in plans from the very beginning.

President Hayes said he walked property and saw the conditions in front and on the sides of the building. As a commuter, he said it is faster to go down Arlington Heights Road than down Dunton. He said he understood the concerns of having to wait for turning vehicles. He was more concerned about the playground areas. He said he would not vote for a proposal that had the playground behind the building.

Trustee Blackwood asked Dr. Glazer what happened to the previous tenant. Dr. Glazer said the medical practice consolidated into one building and they wanted the whole building, there was another tenant at the time, and the space was not available. Then, Bright Horizons came and the other tenant was moved out.

Trustee Blackwood said that the right-in/right-out idea was her own, not something that was recommended. She said she said looking at widening the drive aisle in a year may be the answer. A day care is a necessary business, but this is not her first choice of building. It's truly a medical building. Bright Horizons has done everything they can do to work with what they have and KinderCare is doing the same thing just north on Arlington Height Road. As long as the playground moves to the front, she said she was inclined to work with petitioner.

Trustee Farwell said the playground to the west does not make sense, would be a detriment to the neighbors, and negatively impact their general welfare and perhaps the value of their homes. A Special Use is a tool applied when a business is necessary to the public at a location with no detriment to the people in the vicinity. Even if the playground moved to east side, he said he was not sure a daycare is a proper use for the property. He cited the traffic increase during rush hours as a concern.

Trustee Glasgow said he has worked with 25 separate day care centers during career and never seen a design like this. This was built as a medical building, not as a day care center. He said he agreed there was a need but the location is better for something else. Trustee Glasgow moved to deny the request. Trustee Farwell seconded the motion.

President Hayes said he would like to see if the petitioner could make adjustments to try and salvage the proposal.

Trustee Glasgow said he was at a loss as to how this use would meet the criteria for Special Use for this area. He said he stands by his motion to deny the request.

President Hayes said he would be interested in pursuing the project but the playground must not be in back of building.

Trustee Sidor said his issue was the traffic on Dunton, the north bound back-ups on Arlington Heights Road, and people taking risks to get into the parking lot.

Trustee Blackwood said the playgrounds would have to be in front and a review of the drive aisle would need to occur within a year.

Trustee Farwell said he doesn't think the use is appropriate. It's a great petition in a poor location. He asked Bright Horizons to find another spot.

Trustee Thomas Glasgow moved to concur with the Plan Commission's denial of the project. Trustee Joe Farwell Seconded the Motion.

The Motion: Passed

Ayes: Farwell, Glasgow, LaBedz, Sidor.

Nays: Blackwood, Hayes.

Absent: Rosenberg, Scaletta, Tinaglia.

#### VIDEO **XIII.LEGAL**

|       |    |                                                                                                                                                                                                             |          |
|-------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VIDEO | A. | An Ordinance Granting a Special Use Permit for a Restaurant and a Variation from Chapter 28 of the Arlington Heights Municipal Code (Chuck E Cheese, Annex of Arlington Shopping Center, 41 West Rand Road) | Approved |
|-------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

Trustee Thomas Glasgow moved to approve 15-023. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.

#### **XIV. APPOINTMENTS**

#### VIDEO **XV. PETITIONS AND COMMUNICATIONS**

President Hayes officially introduced Mark Burkland as Village Attorney.

Trustee Sidor said that in light of the Respiratory Health Association presentation, residents should remember the Idle Free Campaign which encourages residents to turn off their cars rather than keep them in idle if they don't need them running.

#### VIDEO **XVI. REPORT OF THE VILLAGE MANAGER**

VIDEO

A. Report of the Housing Commission - CDBG -  
Funded Group Home/Transitional Housing  
Rehabilitation Loan Program

Approved

Mr. Recklaus said in 2014 the Housing Commission and Village Board determined they wanted to modify how they used CDBG funds and created a repayment provision whereby 2/3 of the funds awarded be repaid at a zero interest rate versus a 100% grant. There were a few takers and others did not pursue their projects. The Housing Commission and staff discussed the issue and propose to go back to the original program to ensure these funds are put to use. The motion at the recent Housing Commission meeting also states that the two projects which were financed under this experiment receive retroactive funding.

Mark Hellner the Housing Commission Chair said he was responsible for the experiment but has since changed his mind. The Commission thought they could expand the program this way, but with the unavailability of funds for not for profits, it didn't work and it doesn't make sense to stick with it. He said the problem can be corrected without too much damage.

Trustee LaBedz said she appreciated the experiment. She said social service agencies have a tremendous burden to begin with.

Trustee Robin LaBedz moved to concur with the the Housing Commission's recommendation. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: LaBedz, Farwell, Glasgow, Hayes, Sidor, Blackwood

Absent: Rosenberg, Scaletta, Tinaglia

VIDEO **XVII ADJOURNMENT**

Trustee Carol Blackwood moved to adjourn at 10:09. Trustee Mike Sidor Seconded the Motion.

The Motion: Passed

Ayes: Blackwood, Farwell, Glasgow, Hayes, LaBedz, Sidor.

Absent: Rosenberg, Scaletta, Tinaglia.



**Item:** Warrant Register of 7/30/2015

**Department:** Village Clerk

---

**Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

Warrant Register of 7/30/2015

**Type**

Warrant Register





**VILLAGE OF ARLINGTON HEIGHTS**

**WARRANT REGISTER FOR  
CHECK DATE: 7 - 30 - 2015**

| <b>Fund</b>            | <b>Fund Description</b>   | <b>Total Transaction Amount</b> |
|------------------------|---------------------------|---------------------------------|
| 101                    | General Fund              | \$297,144.62                    |
| 211                    | Motor Fuel Tax Fund       | \$17,873.15                     |
| 215                    | CDBG Fund                 | \$60.00                         |
| 227                    | Foreign Fire Ins Tax Fund | \$1,088.18                      |
| 231                    | Criminal Investigation Fd | \$1,657.48                      |
| 235                    | Municipal Parkg Opr Fund  | \$9,028.71                      |
| 263                    | TIF IV                    | \$5,500.00                      |
| 401                    | Capital Projects Fund     | \$404,472.40                    |
| 431                    | Public Building Fund      | \$2,045.00                      |
| 435                    | EAB Fund                  | \$53,348.26                     |
| 505                    | Water and Sewer Fund      | \$76,502.68                     |
| 515                    | Arts,Entert & Events Fund | \$101,126.55                    |
| 605                    | Health Insurance Fund     | \$15,702.50                     |
| 611                    | General Liability Ins Fnd | \$7,665.80                      |
| 615                    | Workers Compensation Ins  | \$44,471.93                     |
| 621                    | Fleet Operations Fund     | \$7,814.16                      |
| 625                    | Technology Fund           | \$19,182.98                     |
| 715                    | Guaranty Deposits Fund    | \$5,780.00                      |
| <b>TOTAL ALL FUNDS</b> |                           | <b>\$1,070,464.40</b>           |

**WARRANT REGISTER - GM0002**

| Check #              | Account Number     | Payee                          | Description 1          | Transaction Amount | Total Trans Amt |
|----------------------|--------------------|--------------------------------|------------------------|--------------------|-----------------|
| <b>Department: 0</b> |                    |                                |                        |                    |                 |
| <b>Division: 0</b>   |                    |                                |                        |                    |                 |
| 193994               | 715-0000-220.93-00 | ALBERT DUDLE                   | REFUND BOND            | \$200.00           | \$200.00        |
| 193997               | 101-0000-422.15-00 | AMAZING PLUMBING               | REFUND PERMIT FEE      | \$65.00            | \$130.00        |
|                      |                    |                                | REFUND PERMIT FEE      | \$65.00            |                 |
| 193998               | 505-0000-140.10-00 | AMERICAN PRINTING TECHNOLOGIES | POSTAGE 7-2015         | \$2,217.28         | \$2,217.28      |
| 194000               | 715-0000-220.93-00 | ANTHONY IZZO                   | REFUND BOND            | \$200.00           | \$200.00        |
| 194011               | 715-0000-220.93-00 | ARRP                           | REFUND BOND            | \$200.00           | \$200.00        |
| 194012               | 715-0000-220.93-00 | ARRP                           | REFUND BOND            | \$200.00           | \$200.00        |
| 194016               | 505-0000-452.42-00 | BAIRD & WARNER                 | REFUND FINAL WATERBILL | \$43.09            | \$43.09         |
| 194018               | 101-0000-422.15-00 | BISHOP PLUMBING INC            | REFUND PERMIT FEE      | \$65.00            | \$65.00         |
| 194021               | 505-0000-120.80-00 | BODY WERKS PHYSICAL THERAPY    | REFUND FINAL WATER     | \$81.76            | \$81.76         |
| 194024               | 505-0000-472.30-00 | BRENTWOOD DEVELOPMENT INC      | REFUND METER FEE       | \$50.00            | \$50.00         |
| 194069               | 101-0000-422.15-00 | EVOLUTION PLUMBING             | REFUND PERMIT FEE      | \$25.00            | \$25.00         |
| 194071               | 715-0000-220.93-00 | F & F CEMENT CONSTRUCTION CO   | REFUND BOND            | \$100.00           | \$100.00        |
| 194078               | 715-0000-220.93-00 | FRANK HERNANDEZ                | REFUND BOND            | \$200.00           | \$200.00        |
| 194081               | 505-0000-120.80-00 | GALLEGOS, KRISTEN              | REFUND FINAL WATER     | \$14.80            | \$14.80         |
| 194082               | 715-0000-220.93-00 | GARCIA CONCRETE CONTRACTOR INC | REFUND BOND            | \$150.00           | \$150.00        |
| 194098               | 715-0000-220.93-00 | HARD SURFACE SOLUTIONS         | REFUND BOND            | \$200.00           | \$200.00        |
| 194119               | 715-0000-220.93-00 | JAMES LARSON                   | REFUND BOND            | \$200.00           | \$200.00        |
| 194120               | 715-0000-220.93-00 | JAY HAACK                      | REFUND BOND            | \$200.00           | \$200.00        |
| 194123               | 715-0000-220.93-00 | JM IRRIGATION LLC              | REFUND BOND            | \$200.00           | \$200.00        |
| 194127               | 235-0000-435.65-02 | JUSTIN JUNG                    | REFUND PARKING PERMIT  | \$30.00            | \$30.00         |
| 194135               | 101-0000-140.52-00 | KONICA MINOLTA BUSINESS USA    | LEASE AGREEMENT        | \$314.50           | \$314.50        |
| 194138               | 715-0000-220.93-00 | LEANN LEDGEWOOD                | REFUND BOND            | \$200.00           | \$200.00        |
| 194142               | 715-0000-220.93-00 | LINDA ANDERS                   | REFUND BOND            | \$200.00           | \$200.00        |
| 194144               | 715-0000-220.93-00 | LOZOWSKI, ELLEN                | REFUND BOND            | \$200.00           | \$200.00        |
| 194148               | 235-0000-435.65-02 | CHRISTIE/WILLIAM MADSEN        | REFUND PARKING PERMIT  | \$30.00            | \$30.00         |
| 194150               | 715-0000-220.93-00 | MARIANN ANDERSON               | REFUND BOND            | \$200.00           | \$200.00        |
| 194164               | 715-0000-220.93-00 | NATALIE KONOWAL                | REFUND BOND            | \$200.00           | \$200.00        |
| 194169               | 715-0000-220.93-00 | NICHOLAS KYROS                 | REFUND BOND            | \$200.00           | \$200.00        |
| 194183               | 715-0000-220.93-00 | PAVER DOCTOR INC               | REFUND BOND            | \$200.00           | \$200.00        |

**WARRANT REGISTER - GM0002**

| Check #           | Account Number     | Payee                     | Description 1             | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|---------------------------|---------------------------|--------------------|-----------------|
| 194195            | 715-0000-220.93-00 | QUALITY BLACKTOP          | REFUND BOND               | \$150.00           | \$150.00        |
| 194198            | 505-0000-452.42-00 | RED ZONE REALTY GROUP INC | REFUND WATER OVERPAYMENT  | \$49.20            | \$49.20         |
| 194199            | 101-0000-421.05-00 | RICHARD REYNOLDS          | REFUND VEHICLE STICKER    | \$45.00            | \$45.00         |
| 194201            | 715-0000-220.93-00 | ROBERT ALEKSANDER         | REFUND BOND               | \$200.00           | \$200.00        |
| 194202            | 715-0000-220.93-00 | ROBERT M HERRMANN         | REFUND BOND               | \$200.00           | \$200.00        |
| 194205            | 715-0000-220.93-00 | ROSE PAVING CO            | REFUND BOND               | \$200.00           | \$200.00        |
| 194206            | 715-0000-220.93-00 | ROYAL DUNTON CONDO ASSOC  | REFUND BOND               | \$200.00           | \$200.00        |
| 194209            | 235-0000-435.65-02 | JUDI SCHUCH               | REFUND PARKING PERMIT     | \$60.00            | \$60.00         |
| 194217            | 715-0000-220.93-00 | SKI HAUS INC              | REFUND BOND               | \$780.00           | \$780.00        |
| 194222            | 101-0000-421.99-00 | STRUCTURAL DYNAMICS, INC  | REFUND BUSINESS LICENSE   | \$130.00           | \$130.00        |
| 194225            | 101-0000-140.20-00 | TANDEM PRINTING           | ENVELOPES, PLAIN, PRINTED | \$1,432.50         | \$1,432.50      |
| 194231            | 715-0000-220.93-00 | TONY GRISANZIO            | REFUND BOND               | \$200.00           | \$200.00        |
| 194241            | 101-0000-433.14-00 | CHARLES VANDENAVONT       | REFUND AMBULANCE CLAIM    | \$80.00            | \$80.00         |
| 194250            | 505-0000-452.42-00 | BRUCE VOSS                | REFUND FINAL WATERBILL    | \$56.24            | \$56.24         |
| 194251            | 101-0000-421.99-00 | VST AMERICA INC           | REFUND BUSINESS LICENSE   | \$190.00           | \$190.00        |
| 194256            | 715-0000-220.93-00 | WEST RIVER CONCRETE       | REFUND BOND               | \$200.00           | \$200.00        |
| 194262            | 715-0000-220.93-00 | 4C CONCRETE CONSTRUCTION  | REFUND BOND               | \$200.00           | \$200.00        |
| Total Division:   |                    |                           |                           | \$10,824.37        |                 |
| Total Department: |                    |                           |                           | \$10,824.37        |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 3

| Check #                                | Account Number     | Payee             | Description 1        | Transaction Amount | Total Trans Amt |
|----------------------------------------|--------------------|-------------------|----------------------|--------------------|-----------------|
| <b>Department: 1 Board of Trustees</b> |                    |                   |                      |                    |                 |
| <b>Division: 1</b>                     |                    |                   |                      |                    |                 |
| 2005                                   | 101-0101-501.21-65 | CAPTION FIRST INC | APRIL BOARD MEETINGS | \$600.00           | \$600.00        |
| 194030                                 | 101-0101-501.21-65 | CAPTION FIRST INC | JUNE BOARD MEETINGS  | \$560.00           | \$560.00        |
| 194188                                 | 101-0101-501.30-05 | PETTY CASH        | OFFICE SUPPLIES      | \$32.18            | \$32.18         |
| <b>Total Division:</b>                 |                    |                   |                      | <b>\$1,192.18</b>  |                 |
| <b>Total Department:</b>               |                    |                   |                      | <b>\$1,192.18</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 4

| Check #                              | Account Number     | Payee                       | Description 1   | Transaction Amount | Total Trans Amt |
|--------------------------------------|--------------------|-----------------------------|-----------------|--------------------|-----------------|
| <b>Department: 2 Village Manager</b> |                    |                             |                 |                    |                 |
| <b>Division: 1</b>                   |                    |                             |                 |                    |                 |
| 193999                               | 101-0201-502.21-65 | AMERICANEAGLE INC           | WEB SUPPORT FEE | \$49.95            | \$49.95         |
| 194099                               | 101-0201-502.22-03 | HARRIS TRUST & SAVINGS BANK | ICMA INTERNET   | \$655.00           | \$1,310.00      |
|                                      |                    |                             | ICMA INTERNET   | \$655.00           |                 |
| 194227                               | 101-0201-502.30-01 | THOMSON REUTERS             | LAW BOOKS       | \$212.94           | \$212.94        |
| 194246                               | 101-0201-502.21-65 | VERIZON WIRELESS            | INV 9748074584  | \$133.72           | \$133.72        |
| 194249                               | 101-0201-502.21-65 | VERIZON WIRELESS            | INV 3271135477  | \$100.00           | \$100.00        |
| <b>Total Division:</b>               |                    |                             |                 | <b>\$1,806.61</b>  |                 |
| <b>Total Department:</b>             |                    |                             |                 | <b>\$1,806.61</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**Date: Wednesday, July 29, 2015  
Page 5

| Check #                              | Account Number     | Payee                              | Description 1          | Transaction Amount | Total Trans Amt |
|--------------------------------------|--------------------|------------------------------------|------------------------|--------------------|-----------------|
| <b>Department: 3 Human Resources</b> |                    |                                    |                        |                    |                 |
| <b>Division: 1</b>                   |                    |                                    |                        |                    |                 |
| 194079                               | 615-0301-552.30-01 | G NEIL DIRECT MAIL INC             | POSTER GUARD RENEWAL   | \$69.99            | \$139.98        |
|                                      |                    |                                    | POSTER GUARD RENEWAL   | \$69.99            |                 |
| 194080                               | 615-0301-552.42-75 | GALLAGHER BASSETT SERVICES INC     | CLAIMS - MEDICAL LOSS  | \$8,091.92         | \$8,091.92      |
|                                      | 615-0301-552.42-80 |                                    | CLAIMS - W/C           | \$35,323.53        | \$35,323.53     |
| 194099                               | 615-0301-552.20-50 | HARRIS TRUST & SAVINGS BANK        | JIMMY JOHN'S #748      | \$68.25            | \$68.25         |
|                                      | 615-0301-552.22-03 |                                    | EEOC TRAINING INST     | \$658.00           | \$658.00        |
| 194173                               | 605-0301-552.20-50 | NORTHWEST COMMUNITY HOSPITAL       | SERVICE HEALTH TESTING | \$2,429.00         | \$6,386.00      |
|                                      |                    |                                    | SERVICE HEALTH TESTING | \$2,600.00         |                 |
|                                      |                    |                                    | SERVICE HEALTH TESTING | \$1,177.00         |                 |
|                                      |                    |                                    | SERVICE HEALTH TESTING | \$180.00           |                 |
| 194188                               | 615-0301-552.20-50 | PETTY CASH                         | EMPLOYEE PROGRAM       | \$20.00            | \$30.25         |
|                                      |                    |                                    | OFFICE SUPPLIES        | \$10.25            |                 |
| 194194                               | 615-0301-552.20-50 | NED PUCCI                          | JULY FITNESS CLASSES   | \$160.00           | \$160.00        |
| 901075                               | 605-0301-552.20-65 | PRUDENTIAL INSURANCE CO OF AMERICA | PAID UP LIFE           | \$9,316.50         | \$9,316.50      |
| <b>Total Division:</b>               |                    |                                    |                        | <b>\$60,174.43</b> |                 |
| <b>Total Department:</b>             |                    |                                    |                        | <b>\$60,174.43</b> |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 6

| Check #                               | Account Number     | Payee                | Description 1             | Transaction Amount | Total Trans Amt |
|---------------------------------------|--------------------|----------------------|---------------------------|--------------------|-----------------|
| <b>Department: 4 Legal Department</b> |                    |                      |                           |                    |                 |
| <b>Division: 1</b>                    |                    |                      |                           |                    |                 |
| 194072                                | 101-0401-503.22-05 | FEDERAL EXPRESS      | SHIPPING/DELIVERY SERVICE | \$28.50            | \$57.00         |
|                                       |                    |                      | SHIPPING/DELIVERY SERVICE | \$28.50            |                 |
| 194204                                | 101-0401-503.21-65 | ROSE MARY JURINEK    | COURT REPORTER            | \$1,015.00         | \$1,015.00      |
| 194228                                | 101-0401-503.33-05 | THOMSON REUTERS-WEST | INFORMATION CHARGES       | \$278.30           | \$491.24        |
|                                       |                    |                      | LEGAL BOOKS               | \$212.94           |                 |
| <b>Total Division:</b>                |                    |                      |                           | <b>\$1,563.24</b>  |                 |
| <b>Total Department:</b>              |                    |                      |                           | <b>\$1,563.24</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 7

| Check #                      | Account Number     | Payee                          | Description 1            | Transaction Amount | Total Trans Amt |
|------------------------------|--------------------|--------------------------------|--------------------------|--------------------|-----------------|
| <b>Department: 5 Finance</b> |                    |                                |                          |                    |                 |
| <b>Division: 1</b>           |                    |                                |                          |                    |                 |
| 194080                       | 611-0501-552.42-60 | GALLAGHER BASSETT SERVICES INC | CLAIMS - LIABILITY LOSS  | \$7,665.80         | \$7,665.80      |
| 194089                       | 101-0501-503.20-05 | GOLDSTEIN & ASSOCIATES         | SERVICE FINANCIAL        | \$15,000.00        | \$15,000.00     |
| 194099                       | 101-0501-503.22-02 | HARRIS TRUST & SAVINGS BANK    | AICPA                    | \$245.00           | \$245.00        |
| 194168                       | 101-0501-503.30-05 | NEOPOST USA INC                | OFFICE SUPPLIES          | \$42.00            | \$42.00         |
| 194177                       | 101-0501-503.30-05 | OFFICE DEPOT                   | OFFICE SUPPLIES          | \$42.92            | \$215.66        |
|                              |                    |                                | OFFICE SUPPLIES          | \$172.74           |                 |
| 194188                       | 101-0501-503.22-03 | PETTY CASH                     | TRAINING                 | \$30.00            | \$58.26         |
|                              |                    |                                | TRAINING                 | \$28.26            |                 |
| 194228                       | 101-0501-503.30-01 | THOMSON REUTERS-WEST           | 2014 IL COMP BAR EDITION | \$212.94           | \$212.94        |
| <b>Total Division:</b>       |                    |                                |                          | <b>\$23,439.66</b> |                 |
| <b>Total Department:</b>     |                    |                                |                          | <b>\$23,439.66</b> |                 |



Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**Date: Wednesday, July 29, 2015  
Page 8

| Check #                                     | Account Number     | Payee                              | Description 1         | Transaction Amount | Total Trans Amt |
|---------------------------------------------|--------------------|------------------------------------|-----------------------|--------------------|-----------------|
| <b>Department: 6 Information Technology</b> |                    |                                    |                       |                    |                 |
| <b>Division: 1</b>                          |                    |                                    |                       |                    |                 |
| 193999                                      | 625-0601-553.20-39 | AMERICANEAGLE INC                  | WEB HOSTING AND MAINT | \$180.00           | \$180.00        |
| 194041                                      | 625-0601-553.21-65 | COMCAST PROCESSING CENTER          | INTERNET SERVICE      | \$5,687.46         | \$5,687.46      |
| 194099                                      | 625-0601-553.33-05 | HARRIS TRUST & SAVINGS BANK        | SOFTMART              | \$1,188.40         | \$1,188.40      |
|                                             | 625-0601-572.50-10 |                                    | DMI DELL K-12/GOVT    | \$509.96           | \$1,505.62      |
|                                             |                    |                                    | MONOPRICE INC         | \$245.71           |                 |
|                                             |                    |                                    | AMAZON MKTPLACE PMTS  | \$299.98           |                 |
|                                             |                    |                                    | AMAZON MKTPLACE PMTS  | \$449.97           |                 |
| 194118                                      | 625-0601-553.21-02 | IMAGE SYSTEMS & BUSINESS SOLUTIONS | EQUIPMENT MAINTENANCE | \$99.00            | \$267.50        |
|                                             |                    |                                    | EQUIPMENT MAINTENANCE | \$69.50            |                 |
|                                             |                    |                                    | EQUIPMENT MAINTENANCE | \$99.00            |                 |
| 194247                                      | 625-0601-553.21-65 | VERIZON WIRELESS                   | INV 9749200974        | \$405.23           | \$405.23        |
| <b>Total Division:</b>                      |                    |                                    |                       | <b>\$9,234.21</b>  |                 |
| <b>Total Department:</b>                    |                    |                                    |                       | <b>\$9,234.21</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 9

| Check #                                            | Account Number     | Payee                               | Description 1             | Transaction Amount | Total Trans Amt |
|----------------------------------------------------|--------------------|-------------------------------------|---------------------------|--------------------|-----------------|
| <b>Department:        7                    GIS</b> |                    |                                     |                           |                    |                 |
| <b>Division:                1</b>                  |                    |                                     |                           |                    |                 |
| 194085                                             | 625-0701-553.21-02 | GEOGRAPHIC INFORMATION SERVICES INC | COMPUTERS,DP & WORD PROC. | \$9,800.00         | \$9,800.00      |
| 194099                                             | 625-0701-553.30-05 | HARRIS TRUST & SAVINGS BANK         | DRI ACD SYSTEMS           | \$52.05            | \$52.05         |
| 194248                                             | 625-0701-553.21-65 | VERIZON WIRELESS                    | INV 9748846476            | \$96.72            | \$96.72         |
| <b>Total Division:</b>                             |                    |                                     |                           | <b>\$9,948.77</b>  |                 |
| <b>Total Department:</b>                           |                    |                                     |                           | <b>\$9,948.77</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**Date: Wednesday, July 29, 2015  
Page 10

| Check #                                        | Account Number     | Payee                          | Description 1           | Transaction Amount | Total Trans Amt |
|------------------------------------------------|--------------------|--------------------------------|-------------------------|--------------------|-----------------|
| <b>Department: 10 Boards &amp; Commissions</b> |                    |                                |                         |                    |                 |
| <b>Division: 8</b>                             |                    |                                |                         |                    |                 |
| 194234                                         | 101-1008-502.20-75 | TOWNSHIP HIGH SCHOOL DIST #214 | POLICE TESTING          | \$84.62            | \$84.62         |
| <b>Total Division:</b>                         |                    |                                |                         | <b>\$84.62</b>     |                 |
| <b>Division: 17</b>                            |                    |                                |                         |                    |                 |
| 194153                                         | 101-1017-502.20-24 | JACKIE MC CARTHY               | REIMBURSEMENT SUPPLIES  | \$960.25           | \$960.25        |
|                                                | 101-1017-502.33-05 |                                | REIMBURSEMENT SUPPLIES  | \$184.77           | \$184.77        |
| 194184                                         | 101-1017-502.20-24 | PEGGY MCMAHON                  | REIMBURSEMENT SUPPLIES  | \$261.37           | \$261.37        |
| <b>Total Division:</b>                         |                    |                                |                         | <b>\$1,406.39</b>  |                 |
| <b>Division: 18</b>                            |                    |                                |                         |                    |                 |
| 194007                                         | 515-1018-525.40-55 | ARLINGTON SIGNS & BANNERS      | BANNER                  | \$199.00           | \$199.00        |
| 194020                                         | 515-1018-525.40-55 | BMI GENERAL LICENSING          | LICENSING               | \$723.60           | \$723.60        |
| 194211                                         | 101-1018-502.31-40 | KEVIN SEIFERT                  | REIMBURSEMENT SUPPLIES  | \$69.76            | \$69.76         |
| <b>Total Division:</b>                         |                    |                                |                         | <b>\$992.36</b>    |                 |
| <b>Division: 19</b>                            |                    |                                |                         |                    |                 |
| 193992                                         | 101-1019-502.40-55 | ADMIRAL GRAPHICS               | BIKE ARLINGTON T-SHIRTS | \$501.30           | \$501.30        |
| <b>Total Division:</b>                         |                    |                                |                         | <b>\$501.30</b>    |                 |
| <b>Division: 21</b>                            |                    |                                |                         |                    |                 |
| 194188                                         | 101-1021-502.40-40 | PETTY CASH                     | ECON ALLIANCE           | \$27.48            | \$27.48         |
| <b>Total Division:</b>                         |                    |                                |                         | <b>\$27.48</b>     |                 |
| <b>Total Department:</b>                       |                    |                                |                         | <b>\$3,012.15</b>  |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 11

| Check #                       | Account Number     | Payee                             | Description 1         | Transaction Amount | Total Trans Amt |
|-------------------------------|--------------------|-----------------------------------|-----------------------|--------------------|-----------------|
| Department: 20 Special Events |                    |                                   |                       |                    |                 |
| Division: 5                   |                    |                                   |                       |                    |                 |
| 2006                          | 515-2005-525.40-81 | METROPOLIS PERFORMING ARTS CENTRE | PAM OPERATING SUBSIDY | \$100,000.00       | \$100,000.00    |
| Total Division:               |                    |                                   |                       | \$100,000.00       |                 |
| Total Department:             |                    |                                   |                       | \$100,000.00       |                 |

**WARRANT REGISTER - GM0002**

| Check #                                 | Account Number     | Payee                             | Description 1             | Transaction Amount | Total Trans Amt |
|-----------------------------------------|--------------------|-----------------------------------|---------------------------|--------------------|-----------------|
| <b>Department: 30 Police Department</b> |                    |                                   |                           |                    |                 |
| <b>Division: 1</b>                      |                    |                                   |                           |                    |                 |
| 193988                                  | 101-3001-511.30-05 | A & E RUBBER STAMP CORP           | OFFICE SUPPLIES           | \$83.50            | \$83.50         |
| 194003                                  | 101-3001-511.40-67 | ARLINGTON HEIGHTS ANIMAL HOSPITAL | VETERINARY SERVICES       | \$1,479.50         | \$1,479.50      |
| 194009                                  | 101-3001-511.21-65 | ARMOR SYSTEMS                     | COLLECTION FEE            | \$106.20           | \$106.20        |
| 194019                                  | 101-3001-511.22-03 | ANDREW BLEVINS                    | TRAINING                  | \$65.00            | \$65.00         |
| 194026                                  | 101-3001-511.22-03 | BRIAN BROSNAN                     | TRAINING                  | \$75.00            | \$75.00         |
| 194033                                  | 101-3001-511.22-03 | CASTILLO, EDSON                   | TRAINING                  | \$15.00            | \$15.00         |
| 194061                                  | 101-3001-511.21-65 | CRASH DATA GROUP INC              | SOFTWARE UPGRADE          | \$899.00           | \$899.00        |
| 194074                                  | 101-3001-511.22-03 | FINNERTY RAYMOND                  | TRAINING                  | \$15.00            | \$15.00         |
| 194090                                  | 101-3001-511.21-65 | GOLF ROSE PET LODGE               | SERVICE MISCELLANEOUS     | \$98.00            | \$127.15        |
|                                         |                    |                                   | SERVICE MISCELLANEOUS     | \$14.15            |                 |
|                                         |                    |                                   | SERVICE MISCELLANEOUS     | \$15.00            |                 |
| 194097                                  | 101-3001-511.22-03 | HAMRICK PETER                     | TRAINING                  | \$225.00           | \$225.00        |
|                                         | 101-3001-511.30-35 |                                   | CLOTHING REIMBURSEMENT    | \$30.00            | \$30.00         |
| 194099                                  | 101-3001-511.22-03 | HARRIS TRUST & SAVINGS BANK       | AURELIOS PIZZA            | \$89.93            | \$285.46        |
|                                         |                    |                                   | SAFE KIDS WORLDWIDE       | \$50.00            |                 |
|                                         |                    |                                   | ROSATI'S PIZZA            | \$81.73            |                 |
|                                         |                    |                                   | SUPER 8                   | \$63.80            |                 |
|                                         | 101-3001-511.30-01 |                                   | CHICAGO TRIB SUBSCRIPT    | \$140.95           | \$97.37         |
|                                         |                    |                                   | CHICAGO TRIB SUBSCRIPT    | (\$43.58)          |                 |
|                                         | 101-3001-511.33-05 |                                   | I ASSOCIATION CHIEF POL   | \$240.00           | \$240.00        |
|                                         | 101-3001-511.33-25 |                                   | AMZ WEBSTAUANTSTORE       | \$61.76            | \$1,223.49      |
|                                         |                    |                                   | FIRECLEAN LLC             | \$63.29            |                 |
|                                         |                    |                                   | BROWNELLS INC             | \$267.93           |                 |
|                                         |                    |                                   | MENARDS LONG GROVE        | \$408.78           |                 |
|                                         |                    |                                   | MENARDS LONG GROVE        | \$421.73           |                 |
| 194114                                  | 101-3001-511.22-02 | IL ASSOC OF TECHNICAL             | DUES                      | \$180.00           | \$180.00        |
|                                         | 101-3001-511.22-03 |                                   | REGISTRATION              | \$300.00           | \$300.00        |
| 194121                                  | 101-3001-511.33-25 | JAYMAR ENTERPRISES                | POLICE EQUIPMENT & SUPPLY | \$648.97           | \$697.90        |
|                                         |                    |                                   | SHIPPING/DELIVERY SERVICE | \$48.93            |                 |
| 194122                                  | 101-3001-511.30-35 | JG UNIFORMS                       | CLOTHING                  | \$283.75           | \$283.75        |

**WARRANT REGISTER - GM0002**

| Check # | Account Number     | Payee                            | Description 1             | Transaction Amount | Total Trans Amt |
|---------|--------------------|----------------------------------|---------------------------|--------------------|-----------------|
| 194126  | 101-3001-511.21-65 | JP MORGAN CHASE                  | PROCESSING FEE            | \$40.77            | \$40.77         |
| 194128  | 101-3001-511.30-35 | KALE/ASR                         | CLOTHING                  | \$147.80           | \$427.60        |
|         |                    |                                  | CLOTHING                  | \$279.80           |                 |
| 194129  | 101-3001-511.30-35 | KALTER TIMOTHY                   | CLOTHING REIMBURSEMENT    | \$135.00           | \$135.00        |
| 194134  | 101-3001-511.22-15 | KONICA MINOLTA BUSINESS USA      | OFFICE MACHINES & ACCESS  | \$286.42           | \$574.36        |
|         |                    |                                  | OFFICE MACHINES & ACCESS  | \$63.00            |                 |
|         |                    |                                  | OFFICE MACHINES & ACCESS  | \$224.94           |                 |
| 194152  | 101-3001-511.33-25 | MASTER HITCH INC                 | POLICE EQUIPMENT & SUPPLY | \$355.85           | \$355.85        |
| 194154  | 101-3001-511.30-35 | MC GRATH JAMES                   | CLOTHING REIMBURSEMENT    | \$92.00            | \$92.00         |
| 194156  | 101-3001-511.21-65 | METRO-WESTERN COOK CREDIT        | SERVICE MISCELLANEOUS     | \$192.00           | \$192.00        |
| 194161  | 101-3001-511.22-03 | MARK MILJAN                      | TRAINING                  | \$75.00            | \$75.00         |
| 194162  | 101-3001-511.21-65 | MOBILE MINI INC                  | RENTAL FEE                | \$739.78           | \$739.78        |
| 194163  | 101-3001-511.33-25 | MOORE MEDICAL LLC                | SUPPLIES                  | \$205.80           | \$205.80        |
| 194166  | 101-3001-511.22-03 | NE MULTI REGIONAL TRAINING INC   | TRAINING                  | \$50.00            | \$50.00         |
| 194170  | 101-3001-511.21-65 | NORTHERN IL FUNERAL SERVICES INC | MORGUE TRANSPORT          | \$375.00           | \$375.00        |
| 194177  | 101-3001-511.30-05 | OFFICE DEPOT                     | OFFICE SUPPLIES           | (\$55.70)          | \$170.05        |
|         |                    |                                  | OFFICE SUPPLIES           | \$225.75           |                 |
| 194179  | 101-3001-511.22-03 | MICHAEL ORLANDO                  | TRAINING                  | \$15.00            | \$15.00         |
| 194187  | 101-3001-511.22-03 | KIM PETERSON                     | TRAINING                  | \$15.00            | \$15.00         |
| 194197  | 101-3001-511.30-35 | RAY O'HERRON                     | CLOTHING                  | \$42.00            | \$1,727.62      |
|         |                    |                                  | CLOTHING                  | \$78.00            |                 |
|         |                    |                                  | CLOTHING                  | \$62.00            |                 |
|         |                    |                                  | CLOTHING                  | \$221.99           |                 |
|         |                    |                                  | CLOTHING                  | \$154.00           |                 |
|         |                    |                                  | CLOTHING                  | \$249.00           |                 |
|         |                    |                                  | CLOTHING                  | \$103.95           |                 |
|         |                    |                                  | CLOTHING                  | \$156.00           |                 |
|         |                    |                                  | CLOTHING                  | \$349.97           |                 |
|         |                    |                                  | CLOTHING                  | \$310.71           |                 |
| 194203  | 101-3001-511.30-35 | BRANDI ROMAG                     | CLOTHING REIMBURSEMENT    | \$99.65            | \$99.65         |
| 194210  | 101-3001-511.21-65 | SECRETARY OF STATE               | RENEWAL                   | \$101.00           | \$101.00        |
| 194213  | 101-3001-511.21-65 | SERVICE MASTER CLEAN ADVANCED    | CLEANING SERVICE          | \$225.00           | \$225.00        |
| 194215  | 101-3001-511.33-25 | SIGNS BY TOMORROW                | DECALS                    | \$62.50            | \$62.50         |
| 194225  | 101-3001-511.22-10 | TANDEM PRINTING                  | SERVICE PRINTING          | \$127.50           | \$127.50        |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 14

| Check #           | Account Number     | Payee                               | Description 1             | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|-------------------------------------|---------------------------|--------------------|-----------------|
| 194227            | 101-3001-511.21-65 | THOMSON REUTERS                     | SERVICE MISCELLANEOUS     | \$312.23           | \$312.23        |
| 194238            | 401-3001-572.50-15 | ULTRA STROBE COMMUNICATIONS INC     | PARTS/LABOR               | \$160.95           | \$160.95        |
| 194259            | 101-3001-511.33-25 | WILLIAMS SHOOTERS SUPPLY INC        | POLICE EQUIPMENT & SUPPLY | \$1,302.00         | \$1,302.00      |
| Total Division:   |                    |                                     |                           | \$14,009.98        |                 |
| Division: 3       |                    |                                     |                           |                    |                 |
| 194015            | 231-3003-511.40-11 | RODOLFO AVALOS                      | REIMBURSEMENT             | \$735.01           | \$735.01        |
| 194062            | 231-3003-511.40-02 | CRIMINAL INVESTIGATION CONTROL FUND | REIMB TO CONTROL FUND     | \$700.00           | \$700.00        |
|                   | 231-3003-511.40-03 |                                     | REIMB TO CONTROL FUND     | \$222.47           | \$222.47        |
| Total Division:   |                    |                                     |                           | \$1,657.48         |                 |
| Total Department: |                    |                                     |                           | \$15,667.46        |                 |

**WARRANT REGISTER - GM0002**

| Check #                    | Account Number     | Payee                        | Description 1             | Transaction Amount | Total Trans Amt |
|----------------------------|--------------------|------------------------------|---------------------------|--------------------|-----------------|
| <b>Department: 35 Fire</b> |                    |                              |                           |                    |                 |
| <b>Division: 1</b>         |                    |                              |                           |                    |                 |
| 194005                     | 101-3501-512.31-60 | ARLINGTON POWER EQUIPMENT    | AIR CLEANER-GENERATOR     | \$7.98             | \$7.98          |
| 194022                     | 101-3501-512.33-50 | BOUND TREE MEDICAL LLC       | MEDICAL SUPPLIES          | \$48.54            | \$163.40        |
|                            |                    |                              | MEDICAL SUPPLIES          | \$109.68           |                 |
|                            |                    |                              | MEDICAL SUPPLIES          | \$5.18             |                 |
| 194057                     | 101-3501-512.31-60 | COMPANY ONE                  | FIRE PROTECTION EQUIP/SUP | \$3,391.00         | \$3,391.00      |
| 194075                     | 101-3501-512.30-35 | FIRESERVICE MANAGEMENT       | TURNOUT GEAR REPAIR       | \$167.11           | \$167.11        |
| 194087                     | 101-3501-512.22-03 | RYAN GLENDENNING             | PARAMEDIC LICENSE FEE     | \$61.75            | \$171.75        |
|                            |                    |                              | PARAMEDIC EXAM FEE        | \$110.00           |                 |
| 194092                     | 101-3501-512.31-65 | GRAINGER W W INC             | HARDWARE SUPPLIES         | \$165.00           | \$165.00        |
| 194099                     | 101-3501-512.22-02 | HARRIS TRUST & SAVINGS BANK  | EMT LICENSE RENEWAL       | \$21.75            | \$337.50        |
|                            |                    |                              | EMT LICENSE RENEWAL       | \$21.75            |                 |
|                            |                    |                              | EMT LICENSE RENEWAL       | \$21.75            |                 |
|                            |                    |                              | EMT LICENSE RENEWAL       | \$21.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            |                    |                              | PARAMEDIC LIC RENEWAL     | \$41.75            |                 |
|                            | 101-3501-512.31-85 |                              | AW DIRECT                 | \$142.81           | \$142.81        |
| 194103                     | 101-3501-512.31-65 | HENRICKSEN & COMPANY INC     | FURNITURE, OFFICE         | \$161.00           | \$161.00        |
| 194105                     | 101-3501-512.31-55 | HOME DEPOT CREDIT SERVICES   | BUILDER'S SUPPLIES        | \$157.30           | \$157.30        |
| 194116                     | 101-3501-512.32-80 | IL FIRE INSPECTORS ASSOC     | BOOKS                     | \$615.45           | \$615.45        |
| 194141                     | 101-3501-512.22-03 | SCOTT LIMBERS                | TRAINING                  | \$5.00             | \$5.00          |
| 194156                     | 101-3501-512.21-65 | METRO-WESTERN COOK CREDIT    | CREDIT CHECK              | \$144.00           | \$144.00        |
| 194172                     | 101-3501-512.22-02 | NORTHWEST COMMUNITY HOSP EMS | OFFICE DUES, MEMBERSHIP   | \$75.00            | \$75.00         |
| 194177                     | 101-3501-512.30-05 | OFFICE DEPOT                 | OFFICE SUPPLIES           | \$61.34            | \$197.30        |
|                            |                    |                              | OFFICE SUPPLIES           | \$33.24            |                 |
|                            |                    |                              | OFFICE SUPPLIES           | \$12.75            |                 |
|                            |                    |                              | OFFICE SUPPLIES           | \$89.97            |                 |



**WARRANT REGISTER - GM0002**

| Check #           | Account Number     | Payee                       | Description 1            | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|-----------------------------|--------------------------|--------------------|-----------------|
| 194189            | 101-3501-512.22-03 | PETTY CASH/FIRE             | TRAINING                 | \$22.50            | \$22.50         |
|                   | 101-3501-512.30-20 |                             | SUPPLIES                 | \$11.97            | \$27.65         |
|                   |                    |                             | SUPPLIES                 | \$15.68            |                 |
|                   | 101-3501-512.30-35 |                             | CLOTHING REPAIR          | \$6.00             | \$6.00          |
|                   | 101-3501-512.31-60 |                             | SUPPLIES                 | \$17.43            | \$17.43         |
|                   | 101-3501-512.31-65 |                             | SUPPLIES                 | \$3.26             | \$45.93         |
|                   |                    |                             | SUPPLIES                 | \$42.67            |                 |
|                   | 101-3501-512.31-85 |                             | TOOL                     | \$4.35             | \$50.60         |
|                   |                    |                             | TOOL                     | \$2.28             |                 |
|                   |                    |                             | TOOL                     | \$13.49            |                 |
|                   |                    |                             | TOOL                     | \$30.48            |                 |
|                   | 101-3501-512.33-05 |                             | SUPPLIES                 | \$26.39            | \$109.84        |
|                   |                    |                             | SUPPLIES                 | \$28.99            |                 |
|                   |                    |                             | SUPPLIES                 | \$18.22            |                 |
|                   |                    |                             | SUPPLIES                 | \$16.18            |                 |
|                   |                    |                             | SUPPLIES                 | \$20.06            |                 |
| 194190            | 101-3501-512.21-02 | PHYSIO CONTROL INC          | MAINTENANCE AGREEMENT    | \$6,786.00         | \$19,250.00     |
|                   |                    |                             | MAINTENANCE AGREEMENT    | \$12,464.00        |                 |
|                   | 401-3501-572.50-15 |                             | EMERGENCY MEDICAL SUPPLY | \$231.20           | \$231.20        |
| 194214            | 101-3501-512.31-65 | SHERWIN ACE HARDWARE        | SUPPLIES                 | \$6.98             | \$6.98          |
| 194223            | 101-3501-512.21-02 | SUBURBAN SERVICE INC        | REPAIR SERVICE HOUSEHOLD | \$487.40           | \$487.40        |
| 194260            | 101-3501-512.21-65 | XEROX BUSINESS SERVICES LLC | FIREHOUSE SOFTWARE       | \$2,080.00         | \$2,080.00      |
| Total Division:   |                    |                             |                          | \$28,237.13        |                 |
| Total Department: |                    |                             |                          | \$28,237.13        |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 17

| Check #                               | Account Number     | Payee        | Description 1         | Transaction Amount | Total Trans Amt |
|---------------------------------------|--------------------|--------------|-----------------------|--------------------|-----------------|
| Department: 37 Foreign Fire Insurance |                    |              |                       |                    |                 |
| Division: 1                           |                    |              |                       |                    |                 |
| 194068                                | 227-3701-512.22-03 | LESLIE EAST  | TUITION REIMBURSEMENT | \$630.00           | \$630.00        |
| 194137                                | 227-3701-512.22-03 | LANDT STEVEN | TUITION REIMBURSEMENT | \$458.18           | \$458.18        |
| Total Division:                       |                    |              |                       | \$1,088.18         |                 |
| Total Department:                     |                    |              |                       | \$1,088.18         |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 18

| Check #                        | Account Number     | Payee                              | Description 1        | Transaction Amount | Total Trans Amt |
|--------------------------------|--------------------|------------------------------------|----------------------|--------------------|-----------------|
| <b>Department: 40 Planning</b> |                    |                                    |                      |                    |                 |
| <b>Division: 1</b>             |                    |                                    |                      |                    |                 |
| 194040                         | 101-4001-521.30-05 | CLIFFORD WALD                      | OFFICE SUPPLIES      | \$138.99           | \$138.99        |
| 194091                         | 101-4001-521.20-05 | GOVTEMPS USA LLC                   | SERVICE PROFESSIONAL | \$1,120.00         | \$6,440.00      |
|                                |                    |                                    | SERVICE PROFESSIONAL | \$1,120.00         |                 |
|                                |                    |                                    | SERVICE PROFESSIONAL | \$1,120.00         |                 |
|                                |                    |                                    | SERVICE PROFESSIONAL | \$1,120.00         |                 |
|                                |                    |                                    | SERVICE PROFESSIONAL | \$1,120.00         |                 |
|                                |                    |                                    | SERVICE PROFESSIONAL | \$840.00           |                 |
| 194140                         | 101-4001-521.21-65 | LEGRAND REPORTING & VIDEO SERVICES | TRANSCRIPT SERVICES  | \$425.75           | \$425.75        |
| 194151                         | 263-4001-571.20-05 | MAROUS & COMPANY                   | SERVICE PROFESSIONAL | \$5,500.00         | \$5,500.00      |
| 194177                         | 101-4001-521.30-05 | OFFICE DEPOT                       | OFFICE SUPPLIES      | \$375.91           | \$1,391.52      |
|                                |                    |                                    | OFFICE SUPPLIES      | \$1,015.61         |                 |
| <b>Total Division:</b>         |                    |                                    |                      | <b>\$13,896.26</b> |                 |
| <b>Total Department:</b>       |                    |                                    |                      | <b>\$13,896.26</b> |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 19

| Check #                                  | Account Number     | Payee                     | Description 1        | Transaction Amount | Total Trans Amt |
|------------------------------------------|--------------------|---------------------------|----------------------|--------------------|-----------------|
| Department: 41 Community Devl Block Grnt |                    |                           |                      |                    |                 |
| Division: 1                              |                    |                           |                      |                    |                 |
| 194037                                   | 215-4101-522.41-01 | CHICAGO TITLE COMPANY LLC | SERVICE PROFESSIONAL | \$60.00            | \$60.00         |
| Total Division:                          |                    |                           |                      | \$60.00            |                 |
| Total Department:                        |                    |                           |                      | \$60.00            |                 |

**WARRANT REGISTER - GM0002**

| Check #                                             | Account Number     | Payee                          | Description 1          | Transaction Amount | Total Trans Amt |
|-----------------------------------------------------|--------------------|--------------------------------|------------------------|--------------------|-----------------|
| <b>Department: 45 Building &amp; Health Service</b> |                    |                                |                        |                    |                 |
| <b>Division: 1</b>                                  |                    |                                |                        |                    |                 |
| 193988                                              | 101-4501-523.30-05 | A & E RUBBER STAMP CORP        | OFFICE SUPPLIES        | \$77.50            | \$77.50         |
| 194165                                              | 101-4501-523.22-03 | NATL FIRE PROTECTION ASSOC     | C.LORUSSO-MEMBERSHIP   | \$165.00           | \$165.00        |
| 194175                                              | 101-4501-523.21-02 | OAK BROOK OFFICE SOLUTIONS INC | PRINTER REPAIR         | \$85.00            | \$85.00         |
| 194177                                              | 101-4501-523.30-05 | OFFICE DEPOT                   | OFFICE SUPPLIES        | \$210.58           | \$305.10        |
|                                                     |                    |                                | OFFICE SUPPLIES        | \$94.52            |                 |
| 194188                                              | 101-4501-523.22-03 | PETTY CASH                     | TRAINING               | \$15.00            | \$35.00         |
|                                                     |                    |                                | TRAINING               | \$20.00            |                 |
| 194193                                              | 101-4501-523.33-05 | PROSTAR                        | FIELD WEAR             | \$614.54           | \$614.54        |
| 194219                                              | 101-4501-523.21-65 | SPRINT                         | 874139132              | \$567.45           | \$567.45        |
| 194225                                              | 101-4501-523.22-10 | TANDEM PRINTING                | SERVICE PRINTING       | \$160.00           | \$160.00        |
| 194226                                              | 101-4501-523.21-65 | THOMPSON ELEVATOR INSPECTION   | SERVICE BLDG MAINT     | \$38.00            | \$1,180.00      |
|                                                     |                    |                                | SERVICE BLDG MAINT     | \$38.00            |                 |
|                                                     |                    |                                | SERVICE BLDG MAINT     | \$952.00           |                 |
|                                                     |                    |                                | SERVICE BLDG MAINT     | \$152.00           |                 |
| <b>Total Division:</b>                              |                    |                                |                        | <b>\$3,189.59</b>  |                 |
| <b>Division: 2</b>                                  |                    |                                |                        |                    |                 |
| 194002                                              | 101-4502-523.20-25 | ARLINGTON CENTER FOR RECOVERY  | COUNSELING             | \$1,472.00         | \$1,472.00      |
| 194099                                              | 101-4502-523.30-05 | HARRIS TRUST & SAVINGS BANK    | PEAPOD GROCERIES       | \$41.96            | \$41.96         |
|                                                     | 101-4502-523.33-10 |                                | PEAPOD GROCERIES       | \$57.47            | \$57.47         |
|                                                     | 101-4502-523.40-53 |                                | BILLMATRIX CORPORATION | \$2.50             | \$178.72        |
|                                                     |                    |                                | ALLSTATE               | \$72.72            |                 |
|                                                     |                    |                                | EGS NICOR GAS          | \$103.50           |                 |
|                                                     | 101-4502-523.40-57 |                                | COMED                  | \$400.00           | \$400.00        |
| 194125                                              | 101-4502-523.20-25 | JOURNEYS COUNSELING CENTER LLC | COUNSELING             | \$160.00           | \$160.00        |
| 194130                                              | 101-4502-523.20-25 | KATOR LCSW, ANNE               | COUNSELING             | \$130.00           | \$260.00        |
|                                                     |                    |                                | COUNSELING             | \$130.00           |                 |
| 194163                                              | 101-4502-523.33-10 | MOORE MEDICAL LLC              | CLINIC SUPPLIES        | \$19.14            | \$19.14         |
| 194188                                              | 101-4502-523.22-03 | PETTY CASH                     | OFFICE SUPPLIES        | \$49.02            | \$49.02         |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**Date: Wednesday, July 29, 2015  
Page 21

| Check #           | Account Number     | Payee                          | Description 1             | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|--------------------------------|---------------------------|--------------------|-----------------|
| 194190            | 101-4502-523.21-02 | PHYSIO CONTROL INC             | AED MAINTENANCE AGREEMENT | \$754.00           | \$754.00        |
| 194230            | 101-4502-523.21-10 | TNT LANDSCAPE CONSTRUCTION INC | PROPERTY MAINTENANCE      | \$40.00            | \$360.00        |
|                   |                    |                                | PROPERTY MAINTENANCE      | \$50.00            |                 |
|                   |                    |                                | PROPERTY MAINTENANCE      | \$40.00            |                 |
|                   |                    |                                | PROPERTY MAINTENANCE      | \$30.00            |                 |
|                   |                    |                                | PROPERTY MAINTENANCE      | \$200.00           |                 |
| Total Division:   |                    |                                |                           | \$3,752.31         |                 |
| Division: 3       |                    |                                |                           |                    |                 |
| 194083            | 101-4503-523.21-65 | GAUGER, DAVID                  | SENIOR PROGRAM            | \$100.00           | \$100.00        |
| 194099            | 101-4503-523.21-65 | HARRIS TRUST & SAVINGS BANK    | SERVE ILLINOIS CONFERENCE | \$30.00            | \$91.00         |
|                   |                    |                                | VOLGISTICS INC            | \$61.00            |                 |
|                   | 101-4503-523.22-02 |                                | SAMS INTERNET             | \$45.00            | \$45.00         |
|                   | 101-4503-523.30-05 |                                | AMAZON MKTPLACE PMTS      | \$34.49            | \$34.49         |
|                   | 101-4503-523.31-65 |                                | GFS STORE #1913           | \$213.27           | \$309.85        |
|                   |                    |                                | SAMS CLUB #8198           | \$96.58            |                 |
| 194146            | 101-4503-523.21-02 | LW MECHANICAL SERVICES INC     | REFRIGERATOR REPAIR       | \$270.00           | \$270.00        |
| 194190            | 101-4503-523.21-02 | PHYSIO CONTROL INC             | AED MAINTENANCE AGREEMENT | \$377.00           | \$377.00        |
| Total Division:   |                    |                                |                           | \$1,227.34         |                 |
| Total Department: |                    |                                |                           | \$8,169.24         |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 22

| Check #                           | Account Number     | Payee                         | Description 1          | Transaction Amount  | Total Trans Amt |
|-----------------------------------|--------------------|-------------------------------|------------------------|---------------------|-----------------|
| <b>Department: 50 Engineering</b> |                    |                               |                        |                     |                 |
| <b>Division: 1</b>                |                    |                               |                        |                     |                 |
| 2007                              | 101-5001-524.22-03 | BRIGET SCHWAB                 | TRAINING               | \$1,638.06          | \$1,638.06      |
| 193995                            | 401-5001-571.50-30 | ALEX ALEKSANDROV              | DRIVEWAY REIMBURSEMENT | \$946.50            | \$946.50        |
| 194010                            | 401-5001-571.50-30 | ARROW ROAD CONSTRUCTION CO    | SERVICE CONSTRUCTION   | \$371,498.85        | \$371,498.85    |
| 194058                            | 401-5001-571.50-30 | CONSTRUCTION & GEOTECHNICAL   | SERVICE PROFESSIONAL   | \$4,405.70          | \$4,405.70      |
| 194096                            | 211-5001-571.50-40 | HAMPTON LENZINI & RENWICK INC | SERVICE ENGINEERING    | \$12,561.00         | \$12,561.00     |
|                                   | 401-5001-571.50-30 |                               | SERVICE PROFESSIONAL   | \$17,729.20         | \$17,729.20     |
| 194099                            | 101-5001-524.33-05 | HARRIS TRUST & SAVINGS BANK   | AMAZON MKTPLACE PMTS   | \$18.14             | \$18.14         |
| 194177                            | 101-5001-524.30-05 | OFFICE DEPOT                  | OFFICE SUPPLIES        | \$76.19             | \$76.19         |
| 194188                            | 101-5001-524.22-03 | PETTY CASH                    | TRAINING               | \$15.00             | \$15.00         |
|                                   | 101-5001-524.30-35 |                               | OFFICE SUPPLIES        | \$50.00             | \$50.00         |
| <b>Total Division:</b>            |                    |                               |                        | <b>\$408,938.64</b> |                 |
| <b>Total Department:</b>          |                    |                               |                        | <b>\$408,938.64</b> |                 |

**WARRANT REGISTER - GM0002**

| Check #                            | Account Number     | Payee                           | Description 1            | Transaction Amount | Total Trans Amt |
|------------------------------------|--------------------|---------------------------------|--------------------------|--------------------|-----------------|
| <b>Department: 71 Public Works</b> |                    |                                 |                          |                    |                 |
| <b>Division: 1</b>                 |                    |                                 |                          |                    |                 |
| 193990                             | 101-7101-531.31-55 | ACTIVE ELECTRICAL SUPPLY CO     | BUILDING SUPPLIES        | \$330.00           | \$330.00        |
| 193991                             | 101-7101-531.31-65 | ADDISON BUILDING MATERIAL CO    | SUPPLIES                 | \$40.35            | \$47.84         |
|                                    |                    |                                 | SUPPLIES                 | \$7.49             |                 |
| 193993                             | 101-7101-531.21-02 | AFFILIATED CUSTOMER SERVICE INC | EQUIPMENT MAINTENANCE    | \$645.00           | \$645.00        |
| 193996                             | 435-7101-531.31-85 | ALEXANDER EQUIPMENT CO INC      | TOOLS                    | \$259.20           | \$259.20        |
| 194001                             | 101-7101-531.22-03 | APWA ILLINOIS PUBLIC SERVICE    | REGISTRATION             | \$100.00           | \$100.00        |
| 194006                             | 515-7101-525.33-05 | ARLINGTON RENTAL INC            | SOUNDS OF SUMMER         | \$203.95           | \$203.95        |
| 194010                             | 101-7101-531.31-90 | ARROW ROAD CONSTRUCTION CO      | STREET/SIDEWALK SUPPLIES | \$3,181.37         | \$21,473.10     |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$14,382.24        |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$424.16           |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$294.04           |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$111.38           |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$395.01           |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$1,113.26         |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$1,166.73         |                 |
|                                    |                    |                                 | STREET/SIDEWALK SUPPLIES | \$404.91           |                 |
| 194013                             | 101-7101-531.22-70 | AT & T LONG DISTANCE            | 857099062                | \$417.30           | \$417.30        |
| 194014                             | 101-7101-531.21-11 | AUTOMATIC DOORS INC             | BUILDING MAINTENANCE     | \$1,206.75         | \$1,206.75      |
| 194017                             | 435-7101-531.40-86 | GREG BEDNARZ                    | EAB                      | \$50.00            | \$50.00         |
| 194023                             | 435-7101-531.40-86 | SUE BOURAOUI                    | EAB                      | \$100.00           | \$100.00        |
| 194025                             | 101-7101-531.31-55 | BRIMAR LED LLC                  | BUILDING SUPPLIES        | \$204.00           | \$204.00        |
| 194027                             | 101-7101-531.21-15 | D BURKE                         | CURB REIMBURSEMENT       | \$495.00           | \$495.00        |
| 194028                             | 101-7101-531.21-36 | C C CARTAGE INC                 | RENTAL/LEASE EQUIPMENT   | \$39,244.06        | \$40,210.76     |
|                                    |                    |                                 | RENTAL/LEASE EQUIPMENT   | \$966.70           |                 |
|                                    | 101-7101-531.31-90 |                                 | STREET/SIDEWALK SUPPLIES | \$1,358.77         | \$1,358.77      |
| 194029                             | 435-7101-531.40-86 | RUSSEL CANNIZZO                 | EAB                      | \$50.00            | \$50.00         |
| 194032                             | 235-7101-571.50-20 | CARL WALKER INC                 | SERVICE PROFESSIONAL     | \$2,937.40         | \$2,937.40      |
| 194034                             | 435-7101-531.40-86 | JOE CATALANO                    | EAB                      | \$50.00            | \$50.00         |
| 194038                             | 101-7101-531.30-35 | CINTAS CORP                     | CLOTHING                 | \$35.99            | \$35.99         |
| 194042                             | 101-7101-531.21-50 | COMMONWEALTH EDISON COMPANY     | 1851137062               | \$146.08           | \$46.08         |



**WARRANT REGISTER - GM0002**

| Check #   | Account Number        | Payee                          | Description 1            | Transaction Amount | Total Trans Amt |
|-----------|-----------------------|--------------------------------|--------------------------|--------------------|-----------------|
| 194042... | 101-7101-531.21-50... | COMMONWEALTH EDISON COMPANY... | 1851137062               | (\$100.00)         | \$46.08...      |
| 194043    | 101-7101-531.21-50    | COMMONWEALTH EDISON COMPANY    | 2985063029               | \$61.09            | \$61.09         |
| 194053    | 101-7101-531.21-50    | COMMONWEALTH EDISON COMPANY    | 2278061084               | \$79.45            | \$79.45         |
| 194059    | 211-7101-571.50-40    | COOK COUNTY HIGHWAY DEPT       | SERVICE EQUIPMENT        | \$5,312.15         | \$5,312.15      |
| 194060    | 101-7101-531.21-11    | COYNE TEXTILE SERVICES         | MAT CLEANING             | \$17.10            | \$17.10         |
| 194065    | 101-7101-531.21-02    | DYNAMIC HEATING & PIPING CO    | EQUIPMENT MAINTENANCE    | \$943.00           | \$943.00        |
| 194067    | 101-7101-531.21-50    | DYNEGY ENERGY SERVICES         | INV 143670115061         | \$923.93           | \$923.93        |
| 194070    | 101-7101-531.31-75    | EXCEL LTD INC                  | STREET LIGHT SUPPLIES    | \$3,755.00         | \$3,755.00      |
| 194076    | 101-7101-531.21-15    | FLECKS LANDSCAPING             | SERVICE MISCELLANEOUS    | \$8,963.00         | \$10,675.00     |
|           |                       |                                | SERVICE MISCELLANEOUS    | \$1,712.00         |                 |
|           | 435-7101-571.50-55    |                                | SERVICE MISCELLANEOUS    | \$13,078.20        | \$14,106.20     |
|           |                       |                                | TURF RESTORATION         | \$1,028.00         |                 |
| 194084    | 101-7101-531.30-35    | GEMPLERS                       | CLOTHING                 | \$423.00           | \$423.00        |
| 194092    | 101-7101-531.31-85    | GRAINGER W W INC               | TOOLS                    | \$91.13            | \$91.13         |
| 194093    | 101-7101-531.21-62    | GROOT INDUSTRIES INC           | MONTHLY SERVICE          | \$248.92           | \$497.84        |
|           |                       |                                | MONTHLY SERVICE          | \$248.92           |                 |
| 194094    | 101-7101-531.21-11    | GSF USA INC                    | SERVICE BLDG MAINT       | \$11,249.00        | \$11,249.00     |
| 194095    | 401-7101-571.50-30    | HAEGER ENGINEERING LLC         | SERVICE CONSULTING       | \$9,500.00         | \$9,500.00      |
| 194100    | 101-7101-531.21-02    | HAYES MECHANICAL               | REPAIR SERVICE EQUIPMENT | \$5,765.00         | \$9,258.30      |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$462.80           |                 |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$426.25           |                 |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$777.25           |                 |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$495.50           |                 |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$506.75           |                 |
|           |                       |                                | EQUIPMENT MAINTENANCE    | \$824.75           |                 |
| 194104    | 101-7101-531.31-55    | HOME DEPOT #1922               | BUILDING SUPPLIES        | \$55.95            | \$55.95         |
| 194112    | 101-7101-531.21-50    | HOMEFIELD ENERGY               | INV 135232115071         | \$8,311.10         | \$8,311.10      |
| 194124    | 101-7101-531.21-02    | JOHNSON CONTROLS               | REPAIR SERVICE EQUIPMENT | \$14,242.40        | \$14,242.40     |
| 194131    | 435-7101-531.40-86    | JUDY KENDZIOR                  | EAB                      | \$150.00           | \$150.00        |
| 194136    | 101-7101-531.31-45    | KRANZ INC                      | JANITORIAL SUPPLIES      | \$260.46           | \$260.46        |
| 194143    | 101-7101-531.31-65    | LOWES COMMERCIAL SERVICES      | HARDWARE SUPPLIES        | \$50.79            | \$141.93        |
|           |                       |                                | HARDWARE SUPPLIES        | \$30.49            |                 |
|           |                       |                                | HARDWARE SUPPLIES        | (\$0.60)           |                 |
|           |                       |                                | HARDWARE SUPPLIES        | \$61.25            |                 |

**WARRANT REGISTER - GM0002**

| Check #   | Account Number     | Payee                          | Description 1             | Transaction Amount | Total Trans Amt |
|-----------|--------------------|--------------------------------|---------------------------|--------------------|-----------------|
| 194143... | 101-7101-531.31-85 | LOWES COMMERCIAL SERVICES...   | HAND TOOLS-POWER/NON POW  | \$87.23            | \$87.23         |
| 194145    | 435-7101-531.40-86 | THOMAS LOZOWSKI                | EAB                       | \$50.00            | \$50.00         |
| 194149    | 101-7101-531.30-39 | MANSFIELD OIL COMPANY          | FUEL,OIL,GREASE, & LUBES  | \$14,201.04        | \$14,201.04     |
| 194157    | 101-7101-531.31-55 | MICHAEL JOSEPH & ASSOCIATES    | BUILDING SUPPLIES         | \$359.50           | \$359.50        |
| 194159    | 101-7101-531.21-02 | MID AMERICAN ELEVATOR CO INC   | JULY CONTRACT BILLING     | \$1,297.50         | \$1,297.50      |
| 194160    | 101-7101-531.31-40 | MIDWEST GROUNDCOVERS           | AGRICULTURAL SUPPLIES     | \$292.50           | \$292.50        |
| 194174    | 101-7101-531.31-55 | NORTHWEST ELECTRICAL SUPPLY CO | NEW FLAG POLE LIGHTING    | \$804.49           | \$804.49        |
| 194176    | 101-7101-531.30-35 | OCCUPATIONAL TRAINING & SUPPLY | SAFETY & FIRST AID EQUIP. | \$2,897.23         | \$2,897.23      |
| 194177    | 101-7101-531.30-05 | OFFICE DEPOT                   | OFFICE SUPPLIES           | \$35.96            | \$43.32         |
|           |                    |                                | OFFICE SUPPLIES           | \$7.36             |                 |
| 194181    | 101-7101-531.22-70 | PACIFIC TELEMAGEMENT SERVICES  | PAY PHONE FEES            | \$153.00           | \$153.00        |
| 194182    | 101-7101-531.31-65 | CRIS PAPIERNIAK                | SUPPLIES                  | \$83.82            | \$83.82         |
| 194185    | 101-7101-531.31-40 | PESCHES FLOWER SHOP            | AGRICULTURAL SUPPLIES     | \$735.63           | \$735.63        |
| 194186    | 101-7101-531.21-11 | PETE THE PAINTER INC           | PAINT PARKING GARAGE      | \$990.00           | \$990.00        |
| 194190    | 101-7101-531.21-02 | PHYSIO CONTROL INC             | AED MAINTENANCE AGREEMENT | \$1,131.00         | \$2,639.00      |
|           |                    |                                | AED MAINTENANCE AGREEMENT | \$1,508.00         |                 |
| 194191    | 101-7101-531.31-65 | PRECISE MRM LLC                | AVL EQUIPMENT             | \$1,800.00         | \$1,800.00      |
| 194200    | 101-7101-531.30-39 | RKA PETROLEUM COMPANIES INC    | FUEL,OIL,GREASE, & LUBES  | \$18,268.08        | \$35,432.99     |
|           |                    |                                | FUEL,OIL,GREASE, & LUBES  | \$17,164.91        |                 |
| 194208    | 101-7101-531.30-35 | SAF T GUARD INTL INC           | SAFETY GLASSES            | \$567.00           | \$567.00        |
| 194214    | 101-7101-531.31-55 | SHERWIN ACE HARDWARE           | PAINT & EQUIPMENT         | \$13.47            | \$13.47         |
|           | 101-7101-531.31-65 |                                | HARDWARE SUPPLIES         | \$7.99             | \$151.39        |
|           |                    |                                | HARDWARE SUPPLIES         | \$4.99             |                 |
|           |                    |                                | HOSES, ALL KINDS          | \$25.98            |                 |
|           |                    |                                | HAND TOOLS-POWER/NON POW  | \$32.47            |                 |
|           |                    |                                | RENTAL/LEASE EQUIPMENT    | \$79.96            |                 |
|           | 101-7101-531.31-75 |                                | PAINT & EQUIPMENT         | \$20.00            | \$20.00         |
|           | 101-7101-531.31-80 |                                | HAND TOOLS-POWER/NON POW  | \$20.99            | \$20.99         |
|           | 435-7101-531.31-85 |                                | HARDWARE SUPPLIES         | \$12.98            | \$57.86         |
|           |                    |                                | HARDWARE SUPPLIES         | \$44.88            |                 |
| 194216    | 101-7101-531.21-02 | SIMPLEX GRINNELL               | EQUIPMENT MAINTENANCE     | \$423.80           | \$1,059.50      |
|           |                    |                                | EQUIPMENT MAINTENANCE     | \$635.70           |                 |
| 194218    | 101-7101-531.30-39 | SPEEDWAY/SUPER AMERICA         | FUEL                      | \$86.87            | \$86.87         |
| 194221    | 101-7101-531.31-55 | STANDARD PIPE & SUPPLY INC     | BUILDING SUPPLIES         | \$6.56             | \$6.56          |

**WARRANT REGISTER - GM0002**

| Check # | Account Number     | Payee                       | Description 1          | Transaction Amount | Total Trans Amt |
|---------|--------------------|-----------------------------|------------------------|--------------------|-----------------|
| 194224  | 101-7101-531.21-11 | SUBURBAN TRIM & GLASS       | BUILDING MAINTENANCE   | \$1,309.35         | \$1,309.35      |
| 194229  | 435-7101-531.40-86 | MAXINE TITRE                | EAB                    | \$50.00            | \$50.00         |
| 194232  | 435-7101-531.40-86 | LYNN TOOMEY                 | EAB                    | \$50.00            | \$50.00         |
| 194233  | 101-7101-531.22-10 | TOTAL PRINT SOLUTIONS       | PRINTING               | \$660.25           | \$660.25        |
| 194235  | 101-7101-531.31-70 | TRAFFIC CONTROL CORP        | SUPPLIES               | \$582.00           | \$582.00        |
| 194237  | 101-7101-531.21-65 | TYCO INTEGRATED SECURITY    | QUARTERLY BILLING      | \$170.58           | \$170.58        |
| 194239  | 101-7101-531.30-35 | UNITED LABORATORIES         | NITRILE GLOVES         | \$42.62            | \$42.62         |
| 194242  | 435-7101-531.40-86 | DENNIS VERDICO              | EAB                    | \$50.00            | \$50.00         |
| 194243  | 101-7101-531.22-70 | VERIZON WIRELESS            | INV 9747903055         | \$251.30           | \$251.30        |
| 194244  | 101-7101-531.22-70 | VERIZON WIRELESS            | INV 9747872875         | \$1,729.19         | \$1,729.19      |
| 194245  | 101-7101-531.22-70 | VERIZON WIRELESS            | INV 9748121161         | \$126.44           | \$126.44        |
| 194252  | 235-7101-571.50-25 | WALKER PARKING CONSULTANTS  | SERVICE CONSULTING     | \$2,844.00         | \$2,844.00      |
| 194253  | 435-7101-531.40-86 | DAVID WEBB                  | EAB                    | \$50.00            | \$50.00         |
| 194255  | 435-7101-571.50-55 | WEST CENTRAL MUNICIPAL CONF | AGRICULTURAL SUPPLIES  | \$38,275.00        | \$38,275.00     |
| 194257  | 101-7101-531.21-36 | WEST SIDE TRACTOR SALES CO  | RENTAL/LEASE EQUIPMENT | \$8,000.00         | \$8,000.00      |
| 801477  | 101-7101-531.22-70 | AT & T                      | 847R16051906           | \$1,978.17         | \$3,507.40      |
|         |                    |                             | 847Z97278406           | \$641.70           |                 |
|         |                    |                             | 847439786806           | \$141.34           |                 |
|         |                    |                             | 847797132106           | \$70.64            |                 |
|         |                    |                             | 847577545306           | \$104.17           |                 |
|         |                    |                             | 847392086606           | \$100.44           |                 |
|         |                    |                             | 847253612406           | \$70.64            |                 |
|         |                    |                             | 847577579506           | \$400.30           |                 |
| 801478  | 101-7101-531.21-50 | COMMONWEALTH EDISON COMPANY | 8572043011             | \$192.20           | \$2,461.04      |
|         |                    |                             | 3973144001             | \$111.47           |                 |
|         |                    |                             | 4643388009             | \$1,516.26         |                 |
|         |                    |                             | 4321662000             | \$580.18           |                 |
|         |                    |                             | 5492508009             | \$60.93            |                 |
| 801479  | 101-7101-531.21-50 | NICOR                       | 72489260108            | \$161.15           | \$1,949.86      |
|         |                    |                             | 19426400008            | \$80.48            |                 |
|         |                    |                             | 43278600002            | \$140.61           |                 |
|         |                    |                             | 43278600001            | \$344.09           |                 |
|         |                    |                             | 96945600003            | \$1,223.53         |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 27

| Check #           | Account Number | Payee | Description 1 | Transaction Amount | Total Trans Amt |
|-------------------|----------------|-------|---------------|--------------------|-----------------|
| Total Division:   |                |       |               | \$286,235.09       |                 |
| Total Department: |                |       |               | \$286,235.09       |                 |

**WARRANT REGISTER - GM0002**

| Check #                               | Account Number     | Payee                       | Description 1             | Transaction Amount | Total Trans Amt |
|---------------------------------------|--------------------|-----------------------------|---------------------------|--------------------|-----------------|
| <b>Department: 72 Water and Sewer</b> |                    |                             |                           |                    |                 |
| <b>Division: 1</b>                    |                    |                             |                           |                    |                 |
| 193989                                | 505-7201-561.31-05 | ACE INDUSTRIES              | PUMPING SYSTEM SUPPLIES   | \$5,098.32         | \$5,098.32      |
| 194035                                | 505-7201-561.31-65 | CERTIFIED LABORATORIES      | WATER SEWER SYSTEM SUPPLY | \$2,340.35         | \$2,340.35      |
| 194044                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0300013030                | \$5,199.71         | \$5,199.71      |
| 194045                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0159027139                | \$2,188.72         | \$2,188.72      |
| 194046                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0405097038                | \$3,032.92         | \$3,032.92      |
| 194047                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0522082015                | \$1,139.70         | \$1,139.70      |
| 194048                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0789016039                | \$881.77           | \$881.77        |
| 194049                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0081080033                | \$2,314.19         | \$2,314.19      |
| 194050                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 1092085063                | \$113.50           | \$113.50        |
| 194051                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0441087047                | \$2,434.71         | \$2,434.71      |
| 194054                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0705092066                | \$37.49            | \$37.49         |
| 194055                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0111076085                | \$582.67           | \$582.67        |
| 194056                                | 505-7201-561.21-50 | COMMONWEALTH EDISON COMPANY | 0684023014                | \$101.65           | \$101.65        |
| 194066                                | 505-7201-561.21-50 | DYNEGY ENERGY SERVICES      | INV 143670015061          | \$235.40           | \$235.40        |
| 194077                                | 505-7201-561.31-01 | FOREMAN JOSEPH D AND CO     | COPPER TUBING             | \$840.00           | \$9,432.00      |
|                                       |                    |                             | WATER SEWER SYSTEM SUPPLY | \$8,592.00         |                 |
|                                       | 505-7201-561.31-05 |                             | COPPER TUBING             | \$1,440.00         | \$1,440.00      |
|                                       | 505-7201-561.31-07 |                             | SEWER COLLECTION SUPPLIES | \$93.60            | \$2,061.90      |
|                                       |                    |                             | SEWER COLLECTION SUPPLIES | \$1,968.30         |                 |
| 194086                                | 505-7201-561.31-55 | GILLES MICHAEL              | BUILDING SUPPLIES         | \$525.11           | \$525.11        |
| 194101                                | 505-7201-561.21-35 | HBK WATER METER SERVICE INC | SERVICE METER             | \$1,809.00         | \$1,809.00      |
|                                       | 505-7201-561.31-02 |                             | WATER BACKFLOW DEVICES    | \$276.00           | \$1,380.00      |
|                                       |                    |                             | WATER BACKFLOW DEVICES    | \$1,104.00         |                 |
| 194102                                | 505-7201-561.31-55 | HELLER LUMBER CO            | LUMBER                    | \$128.39           | \$128.39        |
| 194107                                | 505-7201-561.21-50 | HOMEFIELD ENERGY            | INV 133970415071          | \$159.12           | \$159.12        |
| 194108                                | 505-7201-561.21-50 | HOMEFIELD ENERGY            | INV 133971015071          | \$696.46           | \$696.46        |
| 194109                                | 505-7201-561.21-50 | HOMEFIELD ENERGY            | INV 133970515071          | \$4,869.24         | \$4,869.24      |
| 194110                                | 505-7201-561.21-50 | HOMEFIELD ENERGY            | INV 133970615071          | \$1,876.78         | \$1,876.78      |
| 194111                                | 505-7201-561.21-50 | HOMEFIELD ENERGY            | INV 133970815071          | \$658.02           | \$658.02        |
| 194115                                | 505-7201-561.21-65 | IL EPA                      | ANNUAL FEE                | \$1,000.00         | \$1,000.00      |

**WARRANT REGISTER - GM0002**

| Check # | Account Number     | Payee                          | Description 1             | Transaction Amount | Total Trans Amt |
|---------|--------------------|--------------------------------|---------------------------|--------------------|-----------------|
| 194133  | 505-7201-561.31-07 | KIEFT BROTHERS INC             | SEWER COLLECTION SUPPLIES | \$703.16           | \$703.16        |
| 194139  | 505-7201-561.31-65 | LEE AUTO PARTS                 | SUPPLIES                  | \$13.98            | \$34.95         |
|         |                    |                                | SUPPLIES                  | \$20.97            |                 |
| 194143  | 505-7201-561.31-40 | LOWES COMMERCIAL SERVICES      | AGRICULTURAL SUPPLIES     | \$39.81            | \$39.81         |
|         | 505-7201-561.31-55 |                                | PAINT & EQUIPMENT         | \$19.80            | \$19.80         |
|         | 505-7201-561.31-65 |                                | HARDWARE SUPPLIES         | \$8.53             | \$8.53          |
| 194155  | 505-7201-561.33-05 | MCM ELECTRONICS                | SUPPLIES                  | \$145.93           | \$145.93        |
| 194158  | 505-7201-561.31-55 | MICHAEL WAGNER & SONS          | BUILDING SUPPLIES         | \$471.54           | \$471.54        |
| 194167  | 505-7201-561.31-07 | NEENAH FOUNDRY COMPANY         | SEWER COLLECTION SUPPLIES | \$1,200.25         | \$1,200.25      |
| 194176  | 505-7201-561.30-35 | OCCUPATIONAL TRAINING & SUPPLY | SAFETY & FIRST AID EQUIP. | \$2,655.80         | \$2,655.80      |
| 194177  | 505-7201-561.30-05 | OFFICE DEPOT                   | OFFICE SUPPLIES           | \$35.96            | \$43.33         |
|         |                    |                                | OFFICE SUPPLIES           | \$7.37             |                 |
| 194180  | 505-7201-561.31-90 | OZINGA READY MIX CONCRETE INC  | STREET/SIDEWALK SUPPLIES  | \$786.50           | \$1,299.75      |
|         |                    |                                | STREET/SIDEWALK SUPPLIES  | \$513.25           |                 |
| 194208  | 505-7201-561.30-35 | SAF T GUARD INTL INC           | SAFETY GLASSES            | \$567.00           | \$567.00        |
| 194212  | 505-7201-561.22-02 | SEIWERT WILLIAM M              | REIMBURSEMENT CDL         | \$50.00            | \$50.00         |
| 194214  | 505-7201-561.31-05 | SHERWIN ACE HARDWARE           | HARDWARE SUPPLIES         | \$1.70             | \$1.70          |
|         | 505-7201-561.31-07 |                                | PLUMBING EQUIP FIXT,SUPP  | \$1.19             | \$1.19          |
|         | 505-7201-561.31-55 |                                | HARDWARE SUPPLIES         | \$19.12            | \$19.12         |
|         | 505-7201-561.31-65 |                                | PAINT & EQUIPMENT         | \$11.98            | \$112.49        |
|         |                    |                                | FUEL,OIL,GREASE, & LUBES  | \$23.98            |                 |
|         |                    |                                | WATER SEWER SYSTEM SUPPLY | \$44.31            |                 |
|         |                    |                                | HOSES, ALL KINDS          | \$9.75             |                 |
|         |                    |                                | BATTERIES                 | \$17.98            |                 |
|         |                    |                                | FUEL,OIL,GREASE, & LUBES  | \$4.49             |                 |
|         | 505-7201-561.31-85 |                                | HAND TOOLS-POWER/NON POW  | \$11.29            | \$11.29         |
| 194220  | 505-7201-561.31-65 | STANDARD EQUIPMENT CO          | WATER SEWER SYSTEM SUPPLY | \$3,943.22         | \$3,943.22      |
| 194236  | 505-7201-561.30-35 | VERONICA TREVINO               | CLOTHING                  | \$156.60           | \$156.60        |
| 194240  | 505-7201-561.31-85 | USA BLUEBOOK                   | TOOLS                     | \$438.53           | \$438.53        |
| 194243  | 505-7201-561.22-70 | VERIZON WIRELESS               | INV 9747903055            | \$251.30           | \$251.30        |
| 194244  | 505-7201-561.22-70 | VERIZON WIRELESS               | INV 9747872875            | \$1,533.42         | \$1,533.42      |
| 194261  | 505-7201-561.31-01 | ZIEBELL WATER SERVICE PRODUCTS | SAFETY FLANGE KIT         | \$1,193.40         | \$7,756.24      |
|         |                    |                                | CURB STOP                 | \$201.26           |                 |
|         |                    |                                | B BOX EXTENSION           | \$1,478.10         |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 30

| Check #           | Account Number        | Payee                             | Description 1             | Transaction Amount | Total Trans Amt |
|-------------------|-----------------------|-----------------------------------|---------------------------|--------------------|-----------------|
| 194261...         | 505-7201-561.31-01... | ZIEBELL WATER SERVICE PRODUCTS... | WATER DISTRIBUTION SUPPLY | \$1,128.48         | \$7,756.24...   |
|                   |                       |                                   | WATER DISTRIBUTION SUPPLY | \$1,803.25         |                 |
|                   |                       |                                   | WATER DISTRIBUTION SUPPLY | \$1,951.75         |                 |
| 801477            | 505-7201-561.22-70    | AT & T                            | 847437468506              | \$70.64            | \$70.64         |
| 801478            | 505-7201-561.21-50    | COMMONWEALTH EDISON COMPANY       | 0645171017                | \$53.15            | \$410.81        |
|                   |                       |                                   | 1104021044                | \$89.29            |                 |
|                   |                       |                                   | 1284169036                | \$129.79           |                 |
|                   |                       |                                   | 0087155164                | \$138.58           |                 |
| 801479            | 505-7201-561.21-50    | NICOR                             | 04055600003               | \$209.98           | \$306.79        |
|                   |                       |                                   | 76830700001               | \$96.81            |                 |
| Total Division:   |                       |                                   |                           | \$73,990.31        |                 |
| Total Department: |                       |                                   |                           | \$73,990.31        |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 31

| Check #                                            | Account Number     | Payee                       | Description 1    | Transaction Amount | Total Trans Amt |
|----------------------------------------------------|--------------------|-----------------------------|------------------|--------------------|-----------------|
| <b>Department: 73                      Parking</b> |                    |                             |                  |                    |                 |
| <b>Division: 3</b>                                 |                    |                             |                  |                    |                 |
| 194052                                             | 235-7303-532.21-50 | COMMONWEALTH EDISON COMPANY | 4643395004       | \$763.36           | \$763.36        |
| 194092                                             | 235-7303-532.31-65 | GRAINGER W W INC            | SUPPLIES         | \$32.89            | \$35.88         |
|                                                    |                    |                             | SUPPLIES         | \$2.99             |                 |
| 194106                                             | 235-7303-532.21-50 | HOMEFIELD ENERGY            | INV 133971215071 | \$2,328.07         | \$2,328.07      |
| <b>Total Division:</b>                             |                    |                             |                  | <b>\$3,127.31</b>  |                 |
| <b>Total Department:</b>                           |                    |                             |                  | <b>\$3,127.31</b>  |                 |



**WARRANT REGISTER - GM0002**

| Check #                                                             | Account Number     | Payee                             | Description 1            | Transaction Amount | Total Trans Amt |
|---------------------------------------------------------------------|--------------------|-----------------------------------|--------------------------|--------------------|-----------------|
| <b>Department: 75                      Municipal Fleet Services</b> |                    |                                   |                          |                    |                 |
| <b>Division: 1</b>                                                  |                    |                                   |                          |                    |                 |
| 194004                                                              | 621-7501-551.31-51 | ARLINGTON HTS FORD INC            | VEH MAINTENANCE SUPPLY   | (\$30.00)          | \$446.02        |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$190.93           |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$173.50           |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$98.48            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$13.11            |                 |
| 194008                                                              | 621-7501-551.21-07 | ARLINGTON TOYOTA                  | MASTER SWITCH/BLOCK ASSY | \$1,031.22         | \$1,031.22      |
| 194031                                                              | 621-7501-551.31-51 | CAR QUEST                         | VEH MAINTENANCE SUPPLY   | (\$4.68)           | \$93.10         |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$97.78            |                 |
| 194036                                                              | 621-7501-551.31-51 | CHICAGO PARTS AND SOUND           | VEH MAINTENANCE SUPPLY   | (\$28.26)          | \$388.90        |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | (\$198.76)         |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$394.68           |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$99.02            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$49.51            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$49.51            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$23.20            |                 |
| 194038                                                              | 621-7501-551.30-35 | CINTAS CORP                       | CLOTHING                 | \$36.00            | \$36.00         |
| 194039                                                              | 621-7501-551.21-36 | CITY WELDING SALES & SERVICE      | CYLINDER RENTAL          | \$126.72           | \$126.72        |
| 194063                                                              | 621-7501-551.31-51 | DOUGLAS TRUCK PARTS INC           | VEH MAINTENANCE SUPPLY   | \$47.88            | \$47.88         |
| 194064                                                              | 621-7501-551.21-07 | DRIVETRAIN SERVICE AND COMPONENTS | EQUIPMENT MAINTENANCE    | \$498.06           | \$498.06        |
| 194088                                                              | 621-7501-551.21-07 | GLOBAL EMERGENCY PRODUCTS         | EQUIPMENT MAINTENANCE    | \$614.46           | \$614.46        |
| 194092                                                              | 621-7501-551.31-51 | GRAINGER W W INC                  | VEH MAINTENANCE SUPPLY   | (\$36.08)          | \$134.45        |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$44.87            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | (\$137.22)         |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$19.94            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$78.46            |                 |
|                                                                     |                    |                                   | VEH MAINTENANCE SUPPLY   | \$164.48           |                 |
| 194099                                                              | 621-7501-551.31-51 | HARRIS TRUST & SAVINGS BANK       | GALCO INDUSTRIAL ELECT   | \$62.05            | \$133.01        |
|                                                                     |                    |                                   | CAPITAL CITY THERMO      | \$70.96            |                 |
| 194113                                                              | 621-7501-551.31-51 | HOSKINS CHEVROLET INC             | VEH MAINTENANCE SUPPLY   | \$224.12           | \$224.12        |
| 194117                                                              | 621-7501-551.21-07 | IL SECRETARY OF STATE             | VEHICLE REGISTRATION (3) | \$303.00           | \$303.00        |

**WARRANT REGISTER - GM0002**

| Check #           | Account Number     | Payee                              | Description 1             | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|------------------------------------|---------------------------|--------------------|-----------------|
| 194132            | 621-7501-551.31-51 | KEYSTONE                           | VEH MAINTENANCE SUPPLY    | \$44.15            | \$44.15         |
| 194139            | 621-7501-551.31-51 | LEE AUTO PARTS                     | VEH MAINTENANCE SUPPLY    | \$71.98            | \$71.98         |
| 194147            | 621-7501-551.31-85 | MAC TOOLS                          | TOOLS                     | \$129.99           | \$129.99        |
| 194171            | 621-7501-551.21-07 | NORTHWEST AUTO WASH                | CAR WASHES                | \$571.00           | \$571.00        |
| 194176            | 621-7501-551.30-35 | OCCUPATIONAL TRAINING & SUPPLY     | SAFETY & FIRST AID EQUIP. | \$482.87           | \$482.87        |
| 194178            | 621-7501-551.30-35 | MICHAEL OLSON                      | CLOTHING                  | \$79.99            | \$79.99         |
| 194192            | 621-7501-551.31-51 | PRECISION SERVICE PARTS            | VEH MAINTENANCE SUPPLY    | \$208.70           | \$208.70        |
| 194196            | 621-7501-551.21-07 | RACEWAY CAR WASH                   | CAR WASHES                | \$396.00           | \$396.00        |
| 194207            | 621-7501-551.31-51 | RUSH TRUCK CENTERS OF ILLINOIS INC | VEH MAINTENANCE SUPPLY    | \$18.14            | \$18.14         |
| 194214            | 621-7501-551.31-65 | SHERWIN ACE HARDWARE               | OFFICE SUPPLIES, GENERAL  | \$16.14            | \$16.14         |
| 194220            | 621-7501-551.31-51 | STANDARD EQUIPMENT CO              | VEH MAINTENANCE SUPPLY    | \$140.68           | \$449.68        |
|                   |                    |                                    | VEH MAINTENANCE SUPPLY    | \$309.00           |                 |
| 194254            | 621-7501-551.31-51 | WENTWORTH TIRE SERVICE             | TIRES                     | \$1,205.48         | \$1,205.48      |
| 194258            | 621-7501-551.31-51 | WHOLESALE DIRECT INC               | VEH MAINTENANCE SUPPLY    | \$63.10            | \$63.10         |
| Total Division:   |                    |                                    |                           | \$7,814.16         |                 |
| Total Department: |                    |                                    |                           | \$7,814.16         |                 |

Check Date: 2015 - 7 - 30

**WARRANT REGISTER - GM0002**

Date: Wednesday, July 29, 2015  
Page 34

| Check #           | Account Number     | Payee                        | Description 1        | Transaction Amount | Total Trans Amt |
|-------------------|--------------------|------------------------------|----------------------|--------------------|-----------------|
| Department:       | 90                 | Capital                      |                      |                    |                 |
| Division:         | 13                 |                              |                      |                    |                 |
| 194073            | 431-9013-571.20-05 | FGM ARCHITECTS AND ENGINEERS | SERVICE PROFESSIONAL | \$2,045.00         | \$2,045.00      |
| Total Division:   |                    |                              |                      | \$2,045.00         |                 |
| Total Department: |                    |                              |                      | \$2,045.00         |                 |
| TOTAL ALL FUNDS:  |                    |                              |                      | \$1,070,464.40     |                 |



**Item:** Recognition of Miracle Million 30th Anniversary

**Department:** Village Manager's Office

Recognition of the 30th Anniversary of the Arlington International Racecourse  
"Miracle Million"

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>           | <b>Type</b>  |
|------------------------------|--------------|
| Miracle Million Proclamation | Presentation |

**Village of Arlington Heights Proclamation**  
**Recognizing**  
**Arlington International Racecourse**  
**“Miracle Million”**  
**30<sup>th</sup> Anniversary**

**WHEREAS**, Arlington International Racecourse opened in 1927 as “Arlington Park” at its current location in the Village of Arlington Heights. The Racecourse has been an icon in the Village and has provided tax revenue to the Village and employment for members of the community for the past 85 years and;

**WHEREAS**, August 15, 2015 marks the 33rd running of Illinois’ most prestigious thoroughbred horse race, the Arlington Million, and contributes to Illinois Tourism by drawing horses, owners, trainers and fans from all over the world to the Arlington Heights area and;

**WHEREAS**, on July 31, 1985, a catastrophic fire broke out at Arlington’s Post and Paddock Club. First responders from the Arlington Heights Fire Department were called to this fire and later joined by firefighters from 24 other local communities, and although the efforts of the firefighters could not save the destruction of the Grandstand and Clubhouse, these heroic efforts prevented the loss of any lives and;

**WHEREAS**, during the next 25 days after the fire, Arlington Park’s owners, led by Richard L. Duchossois, worked twenty hours per day to clean away the 7,000 tons of steel and 14,000 tons of other debris and created a tent village along with bleachers to enable the running of the Arlington Million on August 25, 1985 and;

**WHEREAS**, the Million is known as the “Miracle Million”, which was won by a horse from Great Britain named Teleprompter, owned by Lord Derby whose family’s name is used for the Kentucky Derby and derbies throughout the world and;

**WHEREAS**, Arlington Park received the highest honor in racing - the Eclipse Award - in 1985 “in recognition of the indomitable spirit of the officers and staff for a ‘Miracle’ well done.” August 15, 2015 marks the 30th Anniversary of the “Miracle Million, a significant day in the history of Arlington International Racecourse and the Village of Arlington Heights.

**NOW, THEREFORE, I, Mayor Thomas W. Hayes**, along with the Arlington Heights Village Board, do hereby recognize and congratulate Arlington International Racecourse on its 33rd running of the Arlington Million and the 30th anniversary of the “Miracle Million.”



**Thomas W. Hayes, Mayor**

**Trustee Carol Blackwood**  
**Trustee Joseph Farwell**  
**Trustee Thomas Glasgow**  
**Trustee Robin LaBedz**

**Trustee Bert Rosenberg**  
**Trustee John Scaletta**  
**Trustee Michael J. Sidor**  
**Trustee Jim Tinaglia**



*Presented August 3, 2015*



**Item:** Report of the Committee-of-the-Whole Meeting of August 3, 2015 - Consideration of a Liquor License

**Department:** Village Manager's Office

Report of the Committee-of-the-Whole Meeting of August 3, 2015

Consideration of recommending to the Liquor Commissioner the issuance of a Class "B" and "T" Liquor License to Ruffolo Fresh Market, Inc., dba Farmers Pride Fresh Market, located at 1414 W. Algonquin Road

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:



**Item:** Report of the Committee-of-the-Whole Meeting of August 3, 2015 - Interview of Jim Mitchell for PAM Board

**Department:** Village Manager's Office

Report of the Committee-of-the-Whole Meeting of August 3, 2015

Interview of Jim Mitchell for Appointment to the PAM Board of Directors

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:



**Item:** Police K-9

**Department:** Police

In July 2007, the Village Board approved a Police Department proposal to implement a K-9 unit. The initiative was launched shortly thereafter with the acquisition of two handler/dog teams serving in the Patrol Bureau. In 2010, a third team was added, providing coverage on each of the three Patrol shifts. In retrospect, the K-9 program has yielded significant benefit to the community and Department alike. Tangible benefits can be measured by increased drug seizures, apprehension of fleeing suspects and successful tracking of missing persons. Over the past seven years, the K-9 Program has received an overwhelming positive response from residents and community organizations during exhibition drills at public events. The three handler/dog teams are providing sufficient coverage for the Department.

The second K-9 acquired in this process, Marco, is nearing ten years of age, which is the expected service life of a police K-9. His handler is next in line for promotion to sergeant. Plans to retire Marco after successful and dedicated service to the Arlington Heights Police Department are pending. Marco is responsible for locating approximately \$500,000 in cash tied to narcotics and identifying hidden compartments containing illegal drugs with a street value of roughly \$1,000,000. In addition, Marco continues to thrill the crowds by demonstrating his skills at over 30 events each year.

All three dogs have been acquired and trained, including annual recertification, at Vohne Liche Kennels. Their training philosophy - developing a strong police working dog while providing a K-9 that is capable of social interaction - is important to the program's success. Continuing to utilize Vohne Liche will allow for consistency and continuity within the K-9 unit.

A funding source for the K-9 Program was provided through a generous gift to the Police Department by a local resident's estate. Sufficient funds are available to cover this expense. In order to use these funds, the money must be transferred from the gift account to the operating account.

### **RECOMMENDATION**

It is recommended that the Village Board waive the requirement of formal competitive bidding and authorize the purchase of a dual purpose narcotics



detector dog, compatible equipment, and initial handler/dog training from Vohne Liche Kennels, Inc. of Denver, Indiana, in the amount \$17,283. It is further recommended that a budget amendment in the amount of \$17,300 be approved, transferring money from the gift account (101-0000-350.62-00) to the Canine Program Operating Account (101-3001-511.40-67).

---

**Bid Section**

|                                 |                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Item:                           | Police Dog                                                                                                                                                                          |
| Bid Opening Date:               | N/A - Requesting bid waiver                                                                                                                                                         |
| Account Numbers:                | 101-3001-511.40-67, Canine Program Operating account                                                                                                                                |
| Total Budget for Specific Item: | Dual Purpose Pre-trained K-9 10,000 6-week K-9 handler/dog training class 6,000 Handler/dog housing for 6-weeks 2,255 Equipment/Supplies 1,028 Bundle discount (2,000) Total 17,283 |
| Bid Amount:                     | \$17,283                                                                                                                                                                            |



**Item:** Respiratory Protection System

**Department:** Police Department

In the post 9/11 era, equipment was provided to law enforcement agencies to better address changing dynamics facing the United States regarding domestic terrorism. One specific asset was a respiratory protection system – AVON FM12. Gas masks were obtained through ILEAS (Illinois Law Enforcement Alarm System) supported by Homeland Security grant funds. Masks were issued to each police officer in Arlington Heights. Training and annual fit testing has occurred since 2002. Daily deployment, training and normal wear-and-tear has been experienced. The FM12 units are in need of replacement. AVON no longer warranties the unit and stopped making repair parts. No grant funding is available or expected to assist in updating this sensitive piece of equipment.

AVON introduced a new generation replacement for their FM12 - the C50. Like the FM12, the C50 provides respiratory protection from chemical, biological, radiological, nuclear and other toxic irritants such as tear gas. The Department's technology used to test functionality of the FM12 is compatible with the C50, so that \$8,000 asset will not need to be replaced with the purchase of the C50 masks.

ILEAS is promoting an upgrade program wherein police agencies can trade-in their FM12 masks for new C50 masks and receive a \$100 per unit allowance. Special pricing reduces the overall cost to \$250 each.

The Village sought formal competitive bids for the purchase of replacement respiratory masks and related accessories. Two vendors offered the following pricing:

| <b><u>Vendor</u></b>            | <b><u>Trade-in allowance</u></b> | <b><u>Total Bid</u></b> |
|---------------------------------|----------------------------------|-------------------------|
| 1) W.W. Grainger<br>\$37,973.10 | \$5,500                          |                         |
| 2) Pro-Tech                     | \$11,000                         | \$28,700                |

The Police Department has utilized Pro-Tech Sales, a national distributor of law enforcement equipment, on numerous occasions and finds their delivery, support

and customer service to be without question. They maintain a local distribution office in Elk Grove Village.

Funding is available in the Police Department's Criminal Investigation Fund (Justice) account for this purchase.

### **RECOMMENDATION**

For reasons set forth above, it is recommended that the Village Board enter into an agreement with Pro-Tech Sales of Berea, Ohio for the purchase of 110 AVON C50 respirator masks and accessories, less trade-in allowance, for a total price of \$28,700.

---

### **Bid Section**

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Item:                           | Respiratory Protection System - Gas Mask                 |
| Bid Opening Date:               | July 8, 2015                                             |
| Account Numbers:                | Criminal Investigation Fund (Justice) 231-3003-511.40-11 |
| Total Budget for Specific Item: | \$28,700.00                                              |
| Bid Amount:                     | \$28,700.00                                              |



**Item:** Furnishing of Aggregate Materials, Trucking and Disposal of Debris

**Department:** Public Works

### **BACKGROUND**

The Public Works Department contracts out the hauling and delivery of debris, aggregate, and when necessary, the removal of snow. The aggregate materials included in this bid are used for various street, sewer and watermain repairs. The semi-dump truck is used to haul snow, street sweepings, debris, excavated materials and building demolition debris to disposal sites on an as-needed basis. The lowboy trailer truck is used to haul Village-owned equipment throughout the Village and to out of town repair facilities on an as-needed basis. Rental of these trucks on an as-needed basis is more cost effective than owning and operating the units.

The bid sheets are broken down into four divisions: Division A includes unit prices for trucking of various materials such as sand and stone commonly used in bulk by Public Works. Division B includes unit prices for trucking services such as hauling debris and lowboy transportation of vehicles. Division C contains unit prices for trucking services related to snow removal. Division D contains unit prices for tipping fees at a landfill commonly associated with material disposal.

The specifications were written so each of the four Divisions could be bid separately and a bidder's pricing on one Division cannot be contingent on their award for any of the other three Divisions. However, the Village does allow for discount opportunities if the vendor is awarded more than one Division.

Staff analyzed the bid submittals and made contact with each of the apparent low bidders to confirm a clear understanding of the specifications. For purposes of this bid, quantities are estimated.

Specifications and plans were prepared, advertised and distributed to local trucking companies. On July 22nd four bids were opened and publically read aloud.

Staff checked references on the lowest responsive bidders: CC Cartage and KLF Enterprises. References were favorable and Staff believes both firms have the ability to perform the work as specified satisfactorily.

### **RECOMMENDATION**

It is recommended that the Village Board award a three year contract for Furnishing of Aggregate Materials, Trucking and Disposal of Debris for Division A, B, and D to CC Cartage of Lake Zurich IL, who is the lowest responsible unit price bidder for those items. It is also recommended that the Village Board

award a three year contract for trucking and hauling of snow for Division C to KLF Enterprises of Markham, IL, who is the lowest responsible unit price bidder for those items. All purchases within the FY15B budget year will not exceed a total amount of \$716,600.

---

**Bid Section**

Item: Furnishing of Aggregate Materials, Trucking and Disposal of Debris  
Bid Opening Date: July 22,2015  
Account Numbers: 101-7101-531.21-36, 101-7101-531.21-62, 101-7101-531.31-90, 505-7201-561.21-36, 505-7201-561.21-62, 505-7201-561.31-90  
Total Budget for Specific Item: \$716,600  
Bid Amount:

**ATTACHMENTS:**

| <b>Description</b>                  | <b>Type</b> |
|-------------------------------------|-------------|
| Trucking & Aggregate Bid Tabulation | Agreement   |

**Division A**

**Division B**

**Division C**

**Division D**

**CC Cartage**

**1A Torpedo Sand\*\***

**2A Mason Sand\*\***

**3A CA-6 G9\*\***

**4A FA-2\*\***

**5A FA-6\*\***

**6A 3/4" stone\*\***

**KLF**

**1A Torpedo Sand**

**2A Mason Sand**

**3A CA-6 G9**

**4A FA-2**

**5A FA-6**

**6A 3/4" stone**

**Heritage**

**1A Torpedo Sand**

**2A Mason Sand**

**3A CA-6 G9**

**4A FA-2**

**5A FA-6**

**6A 3/4" stone**

**Koz**

**1A Torpedo Sand**

**2A Mason Sand**

**3A CA-6 G9**

**4A FA-2**

**5A FA-6**

**6A 3/4" stone**

**\*\* Unit Prices for all aggregate reflect discount of \$2.00/ton if awarded Division B**

| CC Cartage        | Quantity | Unit Price | Total               | CC Cartage              | Quantity | Unit Price | Total               | CC Cartage      | Quantity | Unit Price | Total             | CC Cartage       | Quantity | Unit Price         | Total               |
|-------------------|----------|------------|---------------------|-------------------------|----------|------------|---------------------|-----------------|----------|------------|-------------------|------------------|----------|--------------------|---------------------|
| 1A Torpedo Sand** | 500      | \$15.00    | \$7,500.00          | 1B Truck & Dump Trailer | 2000     | \$91.50    | \$183,000.00        | 1C Hauling Snow | 72       | \$125.00   | \$9,000.00        | 1D Disposal fees | 7500     | \$3.25             | \$24,375.00         |
| 2A Mason Sand**   | 500      | \$17.00    | \$8,500.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 3A CA-6 G9**      | 5500     | \$15.95    | \$87,725.00         | 2B Truck & Lowboy       | 100      | \$115.00   | \$11,500.00         |                 |          |            |                   |                  |          |                    |                     |
| 4A FA-2**         | 100      | \$15.95    | \$1,595.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 5A FA-6**         | 500      | \$13.00    | \$6,500.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 6A 3/4" stone**   | 400      | \$17.00    | \$6,800.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
|                   |          |            | <b>\$118,620.00</b> |                         |          |            | <b>\$194,500.00</b> |                 |          |            | <b>\$9,000.00</b> |                  |          | <b>\$24,375.00</b> | <b>\$346,495.00</b> |

| KLF             | Quantity | Unit Price | Total               | KLF                     | Quantity | Unit Price | Total               | KLF             | Quantity | Unit Price | Total             | KLF              | Quantity | Unit Price         | Total               |
|-----------------|----------|------------|---------------------|-------------------------|----------|------------|---------------------|-----------------|----------|------------|-------------------|------------------|----------|--------------------|---------------------|
| 1A Torpedo Sand | 500      | \$21.36    | \$10,680.00         | 1B Truck & Dump Trailer | 2000     | \$102.21   | \$204,420.00        | 1C Hauling Snow | 72       | \$118.98   | \$8,566.56        | 1D Disposal fees | 7500     | \$13.25            | \$99,375.00         |
| 2A Mason Sand   | 500      | \$27.04    | \$13,520.00         |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 3A CA-6 G9      | 5500     | \$18.52    | \$101,860.00        | 2B Truck & Lowboy       | 100      | \$135.20   | \$13,520.00         |                 |          |            |                   |                  |          |                    |                     |
| 4A FA-2         | 100      | \$18.52    | \$1,852.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 5A FA-6         | 500      | \$18.52    | \$9,260.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 6A 3/4" stone   | 400      | \$20.50    | \$8,200.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
|                 |          |            | <b>\$145,372.00</b> |                         |          |            | <b>\$217,940.00</b> |                 |          |            | <b>\$8,566.56</b> |                  |          | <b>\$99,375.00</b> | <b>\$471,253.56</b> |

| Heritage        | Quantity | Unit Price | Total               | Heritage                | Quantity | Unit Price | Total               | Heritage        | Quantity | Unit Price | Total             | Heritage         | Quantity | Unit Price         | Total               |
|-----------------|----------|------------|---------------------|-------------------------|----------|------------|---------------------|-----------------|----------|------------|-------------------|------------------|----------|--------------------|---------------------|
| 1A Torpedo Sand | 500      | \$21.51    | \$10,755.00         | 1B Truck & Dump Trailer | 2000     | \$134.00   | \$268,000.00        | 1C Hauling Snow | 72       | \$134.00   | \$9,648.00        | 1D Disposal fees | 7500     | \$4.25             | \$31,875.00         |
| 2A Mason Sand   | 500      | \$24.17    | \$12,085.00         |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 3A CA-6 G9      | 5500     | \$20.21    | \$111,155.00        | 2B Truck & Lowboy       | 100      | \$134.00   | \$13,400.00         |                 |          |            |                   |                  |          |                    |                     |
| 4A FA-2         | 100      | \$21.51    | \$2,151.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 5A FA-6         | 500      | \$21.51    | \$10,755.00         |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
| 6A 3/4" stone   | 400      | \$24.40    | \$9,760.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                    |                     |
|                 |          |            | <b>\$156,661.00</b> |                         |          |            | <b>\$281,400.00</b> |                 |          |            | <b>\$9,648.00</b> |                  |          | <b>\$31,875.00</b> | <b>\$479,584.00</b> |

| Koz             | Quantity | Unit Price | Total               | Koz                     | Quantity | Unit Price | Total               | Koz             | Quantity | Unit Price | Total             | Koz              | Quantity | Unit Price          | Total               |
|-----------------|----------|------------|---------------------|-------------------------|----------|------------|---------------------|-----------------|----------|------------|-------------------|------------------|----------|---------------------|---------------------|
| 1A Torpedo Sand | 500      | \$15.00    | \$7,500.00          | 1B Truck & Dump Trailer | 2000     | \$96.00    | \$192,000.00        | 1C Hauling Snow | 72       | \$125.00   | \$9,000.00        | 1D Disposal fees | 7500     | \$60.00             | \$450,000.00        |
| 2A Mason Sand   | 500      | \$15.00    | \$7,500.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                     |                     |
| 3A CA-6 G9      | 5500     | \$16.00    | \$88,000.00         | 2B Truck & Lowboy       | 100      | \$120.00   | \$12,000.00         |                 |          |            |                   |                  |          |                     |                     |
| 4A FA-2         | 100      | \$15.00    | \$1,500.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                     |                     |
| 5A FA-6         | 500      | \$15.00    | \$7,500.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                     |                     |
| 6A 3/4" stone   | 400      | \$18.50    | \$7,400.00          |                         |          |            |                     |                 |          |            |                   |                  |          |                     |                     |
|                 |          |            | <b>\$119,400.00</b> |                         |          |            | <b>\$204,000.00</b> |                 |          |            | <b>\$9,000.00</b> |                  |          | <b>\$450,000.00</b> | <b>\$782,400.00</b> |



**Item:** Ordinance - Land Use Variation - Suburban Trim & Glass

**Department:** Planning/Legal

An Ordinance Granting a Land Use Variation and Variations from Chapter 28 of the Arlington Heights Municipal Code  
(Suburban Trim & Glass, 206 W. Campus Drive)

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                         | <b>Type</b> |
|--------------------------------------------|-------------|
| Land Use Variation - Suburban Trim & Glass | Ordinance   |

**AN ORDINANCE GRANTING A LAND USE VARIATION  
AND CERTAIN VARIATIONS FROM CHAPTER 28 OF  
THE VILLAGE OF ARLINGTON HEIGHTS**

WHEREAS, the Plan Commission of the Village of Arlington Heights, in Petition Number 15-005, pursuant to notice, on June 10, 2015, conducted a public hearing on the application of Ron Mueller for a land use variation to allow “glass products made of purchased glass” and “glass cutting, glazing and sales” in an M-1 Research, Development and Light Manufacturing District and certain variations from Chapter 28 of the Arlington Heights Municipal Code; and

WHEREAS, the Plan Commission has recommended the granting of a land use variation and variations from the Zoning Ordinance for the subject property; and

WHEREAS, the President and Board of Trustees have considered the report and recommendation of the Plan Commission and have determined that authorizing and granting the request, subject to certain conditions hereinafter described, would be in the best interests of the Village of Arlington Heights,

NOW, THEREFORE, BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That a land use variation is hereby granted to allow “glass products made of purchased glass” and “glass cutting, glazing and sales” in an M-1 Research, Development and Light Manufacturing District at the property legally described as:

Lot 18 in the resubdivision of Lot 1 in the Arlington Industrial and Research Center, Unit 2, being a subdivision of the Southeast quarter of the Northeast  $\frac{1}{4}$  of Section 7, Township 42 North, Range 11, East of the Third Principal Meridian, in Cook County, Illinois.

P.IN 03-07-204-011

and commonly described as 206 West Campus Drive, Arlington Heights, Illinois. This approval shall be in substantial compliance with the floor plan dated April 3, 2015, prepared by Detail



Kitchens, consisting of one sheet, copies of which are on file with the Village Clerk and available for public inspection.

SECTION TWO: That the following variations from certain provisions of Chapter 28 of the Arlington Heights Municipal Code are hereby granted:

1. A variation from Section 6.12-1(3), Traffic Engineering Approval, waiving the requirement for a traffic study and parking analysis from a qualified professional engineer.

2. A variation from Section 11.4, Schedule of Parking Requirements, to allow a reduction in the required number of parking spaces from 25 parking spaces to 19 parking spaces.

SECTION THREE: That the Land Use Variation and variations from Chapter 28 of the Arlington Heights Municipal Code granted by this Ordinance are subject to the following conditions, to which the Petitioner has agreed:

1. The Land Use Variation approved by this Ordinance shall apply to Suburban Trim & Glass only.

2. The Petitioner shall comply with all applicable Federal, State and Village codes, regulations and policies.

SECTION FOUR: That the Director of Building of the Village of Arlington Heights is hereby directed to issue permits for the facility herein approved, upon proper application and after compliance with all applicable ordinances of the Village of Arlington Heights.

SECTION FIVE: This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law and shall be recorded by the Village Clerk in the Office of the Recorder of Cook County.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

---

Village President

ATTEST:

---

Village Clerk

LAND USE/Suburban Trim and Glass



**Item:** Resolution - Fire Mutual Aid Agreement - City of Rolling Meadows  
**Department:** Fire/Legal

### **BACKGROUND**

The Fire Department currently has automatic fire mutual aid agreements with several northwest suburbs. These agreements provide for the supply of extra manpower and equipment from and to Arlington Heights when needed in response to a structural fire alarm. The Village has had an agreement of reciprocal coverage between Arlington Heights and Rolling Meadows since 1973.

The City of Rolling Meadows and the Village have agreed to update and amend the existing agreement.

### **RECOMMENDATION**

It is recommended that the Village Board approve the execution of An Automatic Fire Mutual Aid Agreement with the City of Rolling Meadows.

---

### **Bid Section**

Item:  
Bid Opening Date:  
Account Numbers:  
Total Budget for Specific Item:  
Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                                  | <b>Type</b> |
|-----------------------------------------------------|-------------|
| Fire Mutual Aid Agreement - City of Rolling Meadows | Resolution  |
| Fire Mutual Aid Agreement - City of Rolling Meadows | Agreement   |

**A RESOLUTION AUTHORIZING THE**  
**VILLAGE OF ARLINGTON HEIGHTS TO ENTER**  
**INTO AN AUTOMATIC FIRE MUTUAL AID AGREEMENT**  
**WITH THE CITY OF ROLLING MEADOWS**

WHEREAS, 65 ILCS 5/11-6-1, empowers municipalities and fire protection districts to enter into "Mutual Aid Agreements"; and

WHEREAS, the Village of Arlington Heights and the City of Rolling Meadows are members of a Mutual Aid Box Alarm System (MABAS); and

WHEREAS, each community desires to supplement MABAS to provide automatic fire mutual aid to specific areas within both communities, as outlined on the attached Agreement; and

WHEREAS, this Agreement is a direct benefit to the Village of Arlington Heights and its residents by improving upon the Village's fire service capabilities,

NOW, THEREFORE, BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That the Agreement is beneficial to the Village of Arlington Heights.

SECTION TWO: That the Village President and Fire Chief are authorized to enter into the Agreement.

SECTION THREE: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk

**AUTOMATIC FIRE MUTUAL AID AGREEMENT  
BETWEEN THE VILLAGE OF ARLINGTON HEIGHTS, ILLINOIS AND  
THE CITY OF ROLLING MEADOWS, ILLINOIS**

In accordance with 65 ILCS 5/11-6-1, which empowers municipalities and fire protection districts to enter into "Mutual Aid Agreements," and in accordance with the MABAS Agreement entered into by the Village of Arlington Heights ("Arlington Heights") and the City of Rolling Meadows ("Rolling Meadows") in 1973, as renewed, Arlington Heights and Rolling Meadows agree as follows:

**DEFINITIONS**

For purposes of this Agreement, the following terms have the definitions set forth:

|                        |                                                                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Ambulance:</u>      | An Advanced Life Support ambulance staffed with a minimum of two Paramedics                                                                                                                                      |
| <u>Ambulance call:</u> | Any call requiring emergency medical assistance                                                                                                                                                                  |
| <u>Atom:</u>           | A geographical area within the municipal boundaries as defined on the maps attached to this Agreement                                                                                                            |
| <u>Code 2:</u>         | Any fire outside a structure, such as a car fire, grass fire, garbage container fire, or tree fire, or any washdown of a flammable liquid or chemical spill, or trouble alarm (malfunction in fire alarm system) |
| <u>Code 3:</u>         | Any report of smoke, fire or automatic fire alarm (pull station, smoke detector, heat detector, sprinkler system that transmits a signal to a supervised panel) in a structure                                   |
| <u>Code 4:</u>         | Any confirmed working fire in a structure                                                                                                                                                                        |
| <u>Engine:</u>         | A pumping apparatus capable of supplying a minimum of 1,000 gallons of water per minute and staffed with a minimum of three Firefighters                                                                         |

**PURPOSE**

The purpose of this Agreement is to provide for the provision of fire and ambulance services as outlined below in certain atoms located within the boundaries of the Arlington Heights and Rolling Meadows.

**1. Ambulance Calls**

**A. Rolling Meadows**

- 1) First due - Rolling Meadows shall respond into Arlington Heights with an ambulance first due into Atoms 21517 and 21588.

- 2) Second due - Rolling Meadows shall respond into Arlington Heights with an ambulance second due into Atom 10315.
- 3) Third due - Rolling Meadows shall respond into Arlington Heights with an ambulance third due into Atom 10381.

B. Arlington Heights

- 1) First due - Arlington Heights shall respond into Rolling Meadows with an ambulance first due into Atoms 1503 and 1603. If Rolling Meadows does not have an engine available to respond with the ambulance, an Arlington Heights engine will respond no earlier than third due.

2. Code 2

A. First due -Rolling Meadows shall respond into Arlington Heights with an engine first due into Atom 21588.

B. First due - Arlington Heights shall respond into Rolling Meadows with an engine first due into Atom 1503 and Atom 1603.

3. Code 3 and AFA

A. Rolling Meadows shall respond into Arlington Heights with an engine into Atom 10299, Atom 10315, Atom 10381, Atom 21517, Atom 21588, and Atom 30115.

B. Arlington Heights shall respond into Rolling Meadows with an engine into Atom 1503 and Atom 1603.

4. Code 4

A. Rolling Meadows shall respond into Arlington Heights with an engine into Atom 10215, Atom 10280, Atom 21580, and Atom 21581.

### **GENERAL CONDITIONS**

1. Only one unit from the fire department providing aid shall be required to respond at any one time. In the event that the unit due is unavailable (i.e., out of service, committed to another call), no back-up unit from another station shall be required to respond.
2. At all times, the municipality within which the emergency exists will be in charge and responsible for the operations at the emergency scene. If an automatic aid unit is the first on the scene, the company officer shall exercise his/her discretion as to the appropriate action to be taken. Upon arrival of a company officer from the community having jurisdiction, command of the emergency scene shall be transferred in a smooth and efficient manner to the fire department in whose municipality the emergency exists.

3. Each municipality agrees to provide and participate in quarterly training between the two fire departments.
4. Each municipality agrees that the general provisions of the MABAS Mutual Aid Agreement apply to this Agreement, except as modified by this Agreement.
5. Each jurisdiction agrees to waive all claims against the other party for compensation for any loss, damage, personal injury or death occurring as a result of performance in conjunction with this agreement. General liability insurance, personal injury insurance and property/vehicle insurance shall be the responsibility of each individual jurisdiction/department.

### TERMINATION OF AGREEMENT

Either Arlington Heights or Rolling Meadows may terminate this Agreement by notifying the Fire Chief of the other fire department, in writing, 60 days prior to the requested date of termination.

### TERM OF AGREEMENT

This Agreement shall be effective as of the 14<sup>th</sup> day of July 2015, and shall continue in full force until terminated, in writing, by either party.

#### VILLAGE OF ARLINGTON HEIGHTS

By: \_\_\_\_\_  
Thomas W. Hayes  
Village President

Attest: \_\_\_\_\_  
Village Clerk

\_\_\_\_\_  
Kenneth B. Koeppen  
Fire Chief

#### CITY OF ROLLING MEADOWS

By: Tom Rooney  
Tom Rooney  
Mayor

Attest: Lenny Cotugno  
City Clerk

\_\_\_\_\_  
Scott Franzgrote  
Fire Chief



**Item:** Ordinance - Code Amendment - Section 6-505

**Department:** Legal

An Ordinance Amending Chapter 6 of the Arlington Heights Municipal Code  
(Section 6-505 - The Arlington Economic Alliance)

---

**Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

Code Amendment - Chapter 6 - The  
Arlington Economic Alliance

**Type**

Ordinance

**AN ORDINANCE AMENDING CHAPTER 6  
OF THE ARLINGTON HEIGHTS MUNICIPAL CODE**

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That Chapter 6, Boards and Commissions, Section 6-505, The Arlington Economic Alliance, of the Arlington Heights Municipal Code, be and is amended as set forth below (additions are shown by highlighting and deletions are shown by strikeout):

**Section 6-505 The Arlington Economic Alliance.** There is hereby created the Arlington Economic Alliance.

- a. Intent and Purpose. To provide for an appointive, advisory body whose purpose shall be to promote existing businesses and attract new businesses to the Village and to ~~develop and~~ support programs in order to foster and support a Village-wide initiative towards the promotion of quality economic development.
- b. Members. The Arlington Economic Alliance shall consist of ~~44~~ **13** members, either residents of the Village or individuals working for a business located in the Village, appointed by the Village President, by and with the advice and consent of the Board of Trustees. There shall also be one member of the Village staff, appointed by the Village Manager, serving as **liaison**. ~~ex-officio member~~.
- c. Tenure. All members of the Arlington Economic Alliance shall serve terms of three years or until their successors are appointed and have qualified. The terms of members shall be staggered so that no more than ~~four~~ **five** members shall be appointed or reappointed in any one year, unless a vacancy exists. Vacancies shall be filled only for unexpired terms. ~~With the exception of members holding initial terms of one or two years, no member shall serve more than one term in a category. Members, holding initial terms of one or two years may be reappointed for a second term.~~ Annually, the Village President shall, with the advice and consent of the Board of Trustees, designate one of the members of the Arlington Economic Alliance to be chair. No person shall serve as chair more than three consecutive years, unless the Village President determines that continued service as chair is in the best interests of the Village.

In addition to the ~~two~~ staff members serving as **liaison** ~~ex-officio~~, membership of the Arlington Economic Alliance shall consist of individuals representing the following organizations or types of business. ~~The number of years for each appointee's initial term is also listed. With the exception of the representative of the top twenty employers,~~ Each organization or type of business shall have one representative on the Arlington Economic Alliance. ~~There shall be two representatives from top twenty employers, but they shall be from different employers.~~ For any of the categories of members, if a classification cannot be filled from the designated category, the appointee may be from any business within the community.



| <u>Organization or Type of Business</u>                      | <u>Length of Initial Term</u> |
|--------------------------------------------------------------|-------------------------------|
| Business Representative                                      | 1 year                        |
| Top Twenty Employer—two                                      | 2 years                       |
| top twenty employer                                          | 3 years                       |
| Industrialist                                                | 1 year                        |
| Financial Institution                                        | 2 years                       |
| Commercial Real Estate, Developer or Retail Property Manager | 3 years                       |
| Hospitality Industry                                         | 1 year                        |
| Automobile Dealer                                            | 2 years                       |
| Higher Education                                             | 3 years                       |
| Chamber of Commerce                                          | 1 year                        |
| Central Business District Association                        | 2 years                       |
| Automobile Dealer                                            |                               |
| Business Representative                                      |                               |
| Chamber of Commerce                                          |                               |
| Convention & Visitors Bureau                                 |                               |
| Downtown Business Owner                                      |                               |
| Financial Institution                                        |                               |
| Hospitality Industry                                         |                               |
| Industrialist                                                |                               |
| Real Estate, Developer or Property Manager – Commercial      |                               |
| Real Estate, Developer or Property Manager – Residential     |                               |
| Restaurateur                                                 |                               |
| Retailer                                                     |                               |
| Top Twenty Employer                                          |                               |

- d. Compensation. Members of the Arlington Economic Alliance shall serve without compensation. Authorized travel expenses shall be reimbursed in accordance with Village Travel Regulations.
- e. Powers, Duties and Responsibilities. The Arlington Economic Alliance shall have such powers, duties and responsibilities as are assigned by the Village President and Board of Trustees, to include those enumerated below:
  1. The Arlington Economic Alliance shall prepare, adopt and maintain such rules and regulations as are necessary to conduct the business of the Arlington Economic Alliance.
  2. The Arlington Economic Alliance shall promote economic development by activities including, but not limited to, the following:
    - a) Advising the Village on the development and implementation of Developing and implementing a business retention/expansion programs;
    - b) Advising the Village on the implementation of Developing—and implementing—a marketing program to attract new business and industry;
    - c) Monitoring business activity and trends on the local, state, and national levels;

- d) Establishing a focal point for businesses to approach and discuss issues that affect them;
  - e) Engage representatives from the following communitywide entities at Arlington Economic Alliance meetings as appropriate: Arlington Heights Memorial Library, Arlington Heights Park District, Township High School District 214, the Special Events Commission, and other entities as appropriate. ~~Assisting business through mechanisms such as seminars and university programs; and~~
  - f) Researching and advising the Board of Trustees, Village Manager and boards and commissions on matters relating to economic development.
  - g) Annually, not later than the beginning of the fiscal year, submit to the Village Board for approval, a statement of its goals and objectives and procedures for accomplishing them.
- f. Meetings, Quorum, Voting. Regular meetings of the Arlington Economic Alliance shall be scheduled on a quarterly basis at a date and time to be determined by the Arlington Economic Alliance and announced in the Village calendar and other appropriate media. Special meetings may be called by the Village President, the Board of Trustees, ~~the Liaison Committee of the Board of Trustees~~, the Chair of the Arlington Economic Alliance or a quorum of the Arlington Economic Alliance. ~~Six~~ **Seven** members shall constitute a quorum. The Chair shall vote with other members of the Arlington Economic Alliance.
- g. Records and Reports. The Arlington Economic Alliance shall keep written records of its proceedings, which records shall be open at all times to public inspection. An annual report shall be made to the Board of Trustees, to include matters before the Arlington Economic Alliance and their status.

SECTION TWO: This Ordinance repeals all ordinances or parts of ordinances in conflict with the provisions hereof, and shall be in full force and effect from and after its passage and approval and publication in pamphlet form in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

ATTEST:

\_\_\_\_\_  
Village President

\_\_\_\_\_  
Village Clerk

CODEAMENDMENTS:6-505 Arlington Economic Alliance



**Item:** Resolution Approving Agreement with IDOT - Dundee Road Improvements between Wilke and Kennicott

**Department:** Engineering/Legal

## **BACKGROUND**

In 2013, the Illinois Department of Transportation (IDOT) approached the Village with a proposed intersection improvement project for Illinois Route 68 (Dundee Rd) from Wilke Road to Kennicott Avenue. IL 68 (Dundee Rd) will be resurfaced, will receive new curbs, and will incorporate the Village requested raised landscaped medians along applicable sections of the roadway. As part of the improvements, the intersection of IL 68 (Dundee Rd) and Wilke Road will have upgraded traffic signals and lighting, including pedestrian walk signals. The intersection of IL 68 (Dundee Rd) and Kennicott Avenue will also have new traffic signals and lighting, including pedestrian walk signals. There will also be a new right turn lane for eastbound IL 68 (Dundee Rd) vehicles turning right onto southbound Kennicott Avenue.

During the project scoping process, the Village requested that a 10-foot wide multi-use path be included in the project along the north side of IL 68 (Dundee Road) through the project limits. Unfortunately, the design engineer was unable to provide a complete path. The section at the existing Arlington Nissan driveway is to remain at 5' wide due to driveway slope restrictions.

The attached joint agreement with IDOT identifies cost and maintenance responsibilities between IDOT and the Village.

## **RECOMMENDATION**

It is recommended that the Village Board approve the attached Resolution approving an Agreement with the Illinois Department of Transportation for improvements on Illinois Route 68 between Wilke Road and Kennicott Avenue.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

**Type**

IDOT - Funding - Dundee Road  
Improvements

Resolution

IDOT - Dundee Road Improvements -  
North Wilke to Kennicott

Agreement

**A RESOLUTION APPROVING AN AGREEMENT**  
**WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION**

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: A certain agreement by and between the Village of Arlington Heights and the State of Illinois Department of Transportation, concerning improvements on a portion of Illinois Route 68 (Dundee Road) located between North Wilke Road and Kennicott Avenue, in Arlington Heights, Illinois, a true and correct copy of which is attached hereto, be and the same is hereby approved.

SECTION TWO: The Village President and Village Clerk are hereby authorized and directed to execute said agreement on behalf of the Village of Arlington Heights.

SECTION THREE: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk

FAP Route 343  
Illinois Route 68 (Dundee Road) at  
North Wilke Road and Kennicott Avenue  
State Section: (531-4HBK & 3041-15D-2-R)N  
Cook County  
Job No.: C-91-508-12  
Contract No.: 60V01  
Agreement No.: JN-115-054

## AGREEMENT

This Agreement entered into this 3<sup>rd</sup> day of August, 2015 A.D., by and between the STATE OF ILLINOIS, acting by and through its DEPARTMENT OF TRANSPORTATION hereinafter called the STATE, and the VILLAGE OF ARLINGTON HEIGHTS of the State of Illinois, hereinafter called the VILLAGE.

## WITNESSETH:

WHEREAS, the STATE in order to facilitate the free flow of traffic and ensure safety to the motoring public, is desirous of improving approximately 1986 lineal feet of Illinois Route 68 (Dundee Road), known as FAP Route 343, STATE Job No.: C-91-508-12, STATE Contract Number 60V01, STATE Section (531-4HBK & 3041-15D-2-R)N, from North Wilke Road to Kennicott Avenue by replacing the existing traffic signals and adding east bound right turn lanes at the intersections with North Wilke Road and Kennicott Avenue, constructing new 5 foot wide concrete sidewalks, removing 1,210 feet of existing concrete sidewalk on the north side of Illinois Route 68 and replacing with a 10 foot wide hot mix asphalt shared use path and by performing all other work necessary to complete the improvement in accordance with the approved plans and specifications; and

WHEREAS, the VILLAGE requests that the STATE include in its contract new concrete sidewalk and the replacement of existing sidewalk with a new hot mix asphalt shared use path ,and

WHEREAS, the STATE has agreed to the VILLAGE's request; and

WHEREAS, the VILLAGE. is desirous of said improvement in that same will be of immediate benefit to the VILLAGE residents and permanent in nature;

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties hereto agree as follows:

1. The STATE agrees to make the surveys, obtain all necessary rights of way, prepare plans and specifications, receive bids and award the contract, furnish engineering inspection during construction and cause the improvement to be built in accordance with the approved plans, specifications and contract.
2. The STATE agrees to pay for all right of way, construction and engineering cost subject to reimbursement by the VILLAGE as hereinafter stipulated.
3. It is mutually agreed by and between the parties hereto that the estimated cost and cost proration for this improvement is as shown on Exhibit A attached hereto and made a part hereof.

4. The VILLAGE has passed a resolution appropriating sufficient funds to pay its share of the cost for this improvement, a copy of which is attached hereto as "Exhibit B" and made a part hereof.
5. The VILLAGE further agrees that upon award of the contract for this improvement, the VILLAGE will pay to the STATE, in a lump sum from any funds allotted to the VILLAGE, an amount equal to 80% of its obligation incurred under this AGREEMENT, and will pay to said STATE the remainder of the obligation (including any non-participating costs on FA Projects) in a lump sum, upon completion of the project based upon final costs.
6. The VILLAGE further agrees to pass a supplemental resolution to provide necessary funds for its share of the cost of this improvement if the amount appropriated in "Exhibit B" proves to be insufficient, to cover said cost.
7. The VILLAGE has adopted and will put into effect an appropriate ordinance, prior to the STATE's advertising for the proposed work to be performed hereunder, or shall continue to enforce an existing ordinance, requiring that parking be prohibited within the limits of this improvement, a copy of which is attached hereto as "Exhibit C", and will in the future prohibit parking at such locations on or immediately adjacent to this improvement as may be determined necessary by the STATE from traffic capacity studies.



8. The VILLAGE agrees not to permit driveway entrance openings to be made in the curb, as constructed, or the construction of additional entrances, private or commercial, along Illinois Route 68 (Dundee Road) without the consent of the STATE.
9. The VILLAGE shall exercise its franchise rights to cause private utilities to be relocated, if required, at no expense to the STATE.
10. The VILLAGE agrees to cause its utilities, installed on right of way after said right of way was acquired by the STATE or installed within the limits of a roadway after the said roadway's jurisdiction was assumed by the STATE, to be relocated and/or adjusted, if required, at no expense to the STATE.
11. All VILLAGE owned utilities, on STATE right of way within the limits of this improvement, which are to be relocated/adjusted under the terms of this Agreement, will be relocated/adjusted in accordance with the applicable portions of the "Accommodation of Utilities of Right of Way of the Illinois State Highway System." (92 Ill. Adm. Code 530).
12. The VILLAGE agrees to obtain from the STATE an approved permit for any VILLAGE owned utility relocated/adjusted as part of this improvement, and shall abide by all conditions set forth therein.
13. Upon final field inspection of the improvement and so long as Illinois Route 68 (Dundee Road) is used as a STATE Highway, the STATE agrees to maintain or cause to be maintained the through traffic lanes, the left-turn lanes and right turn

lanes, and the curb and gutter or stabilized shoulders and ditches adjacent to those traffic lanes and turn lanes.

14. Upon final field inspection of the improvement, the VILLAGE agrees to maintain or cause to be maintained those portions of the improvement which are not maintained by the STATE, including new and existing sidewalks and shared-use paths, parkways, crosswalk and stop line pavement markings, VILLAGE owned utilities including appurtenances thereto, highway lighting including furnishing the electrical energy thereof and shall maintain the storm sewers and appurtenances by performing those functions necessary to keep the sewer in a serviceable condition including cleaning sewer lines, inlets, manholes, and catch basins along with the repair or replacement of inlet, manhole and catch basins' frames, grates or lids. The maintenance, repair and/or reconstruction of storm sewers constructed as part of this improvement beyond the aforescribed responsibilities shall be that of the STATE.
15. The VILLAGE further agrees to continue its existing maintenance responsibilities on all side road approaches under its jurisdiction, including all left and right turn lanes on said side road approaches, up to the through edge of pavement of Illinois Route 68 (Dundee Road). Drainage facilities, if any, at the aforementioned side roads located within the STATE right-of-way shall be the joint maintenance responsibility of the STATE and the VILLAGE unless there is an agreement specifying different responsibilities.
16. The VILLAGE agrees to assume responsibility for the administration, control, reconstruction and maintenance of the sidewalks and shared use paths not otherwise carried on STATE structures. The VILLAGE further agrees to indemnify

and hold harmless the STATE, its officers, employees and agents from any and all claims, lawsuits, actions, costs and fees (including reasonable attorney fees and expenses) of every nature and description arising from, growing out of or connected with the construction and/or operation of the sidewalks and shared use paths.

If in the future , the STATE adopts a roadway or traffic signal improvement on Illinois Route 68 (Dundee Road) which requires modification, relocation or reconstruction to said sidewalks and/or shared use paths, then the VILLAGE hereby agrees to be financially responsible for its proportionate share of costs to modify, relocate or reconstruct said sidewalks and/or shared use paths in conjunction with the STATE's proposed improvement.

17. Upon acceptance by the STATE of the traffic signal work included herein the responsibility for maintenance and energy shall continue to be as outlined in the Master Agreement executed by the STATE and the VILLAGE on September 12, 2011.
18. The STATE's Electrical Maintenance Contractor shall maintain the "Emergency Vehicle Pre-emption System" located at the modernized traffic signal intersections to be maintained by the STATE. The STATE's Electrical Maintenance Contractor shall invoice the VILLAGE for the maintenance costs related to the maintenance of the "Emergency Vehicle Pre-emption System" equipment. The VILLAGE shall maintain the emitters and associated appurtenances at its own expense. The emitters shall be maintained and tested in accordance with the recommendations of the manufacturer.

19. It is mutually agreed, if, in the future, the STATE adopts a roadway or traffic signal improvement passing through the traffic signals included herein which requires the modernization or reconstruction to said traffic signals then the VILLAGE agrees to be financially responsible for its share of the traffic signals and all costs to relocate or reconstruct the emergency vehicle pre-emption equipment in conjunction with the STATE's proposed improvement.

20. The VILLAGE has adopted a resolution, will send a letter, or sign the Plan Approval page which is part of this document, prior to the STATE advertising for the work to be performed hereunder, approving the plans and specifications as prepared.

21. Under penalties of perjury, the VILLAGE certifies that its correct Federal Tax Identification Number is 36-6005774 and it is doing business as a GOVERNMENTAL ENTITY, whose mailing address is :

Village of Arlington Heights  
33 South Arlington Heights Road  
Arlington Heights, IL 60005

Obligations of the STATE and the VILLAGE will cease immediately without penalty or further payment being required if, in any fiscal year, the Illinois General Assembly or Federal funding source fails to appropriate or otherwise make available funds for this contract.

This AGREEMENT and the covenants contained herein shall be null and void in the event the contract covering the construction work contemplated herein is not awarded within the three years subsequent to execution of the agreement.

This Agreement shall be binding upon and to the benefit of the parties hereto, their successors and assigns.

VILLAGE OF ARLINGTON HEIGHTS

By: \_\_\_\_\_  
(Signature)

Attest:

By: Thomas W. Hayes  
(Print or Type)

\_\_\_\_\_  
Village Clerk

Title: Village President

Date: August 3, 2015

(SEAL)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

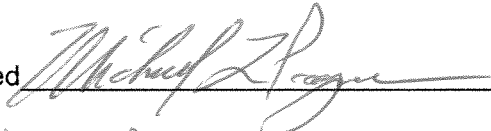
By: \_\_\_\_\_  
John Fortmann, P.E.  
Deputy Director of Highways,  
Region One Engineer

Date: \_\_\_\_\_

Job No.: C-91-508-12  
Agreement No.: JN-115-054

PLAN APPROVAL

WHEREAS, in order to facilitate the improvement of Illinois Route 68 (Dundee Road), known as FAP 343, STATE Section (531-4HBK & 3041-15D-2-R)N, the VILLAGE agrees to that portion of the plans and specifications relative to the VILLAGE's financial and maintenance obligations described herein, prior to the STATE's advertising for the aforescribed proposed improvement.

Approved   
Title DEPUTY DIRECTOR OF ENGINEERING  
Date 7-29-15



## **EXHIBIT B**

### **FUNDING RESOLUTION**

WHEREAS, the Village of Arlington Heights has entered into an agreement with the State of Illinois for the improvement of Illinois Route 68 (Dundee Road), known as FAP 343, State Section (531-4HPK & 3041-15D-2-RN); and

WHEREAS, in compliance with the aforementioned agreement, it is necessary for the Village to appropriate sufficient funds to pay its share of the cost of said improvement,

NOW, THEREFORE, BE IT RESOLVED BY THE VILLAGE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That there is hereby appropriated the sum of \$92,920 or so much thereof as may be necessary, from any money now or hereinafter allotted to the Village to pay its share of the cost of this improvement as provided in the Agreement.

SECTION TWO: That upon award of the contract for this improvement, the Village will pay to the State in a lump sum from any funds allotted to the Village, an amount equal to 80% of its obligation incurred under this Agreement, and will pay to said State the remainder of its obligation in a lump sum, upon completion of the project based on final costs.

SECTION THREE: That the Village agrees to pass a supplemental resolution to provide any necessary funds for its share of the cost of this improvement if the amount appropriated herein proves to be insufficient, to cover said cost.

SECTION FOUR: That this Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3<sup>rd</sup> day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk

RESOLUTIONS: IDOT Funding Resolution



STATE OF ILLINOIS)  
COUNTY OF COOK )

I, Rebecca Hume, Village Clerk in and for the Village of Arlington Heights, hereby certify the foregoing to be a true perfect and complete copy of the resolution adopted by the Village Board at a meeting on August 3, 2015.

IN TESTIMONY WHEREOF, I have hereunto set my hand seal this 3rd day of August, 2015.

---

Village Clerk

(SEAL)

AN ORDINANCE REGULATING PARKING  
ON A CERTAIN PUBLIC STREET

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF  
THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: It shall be unlawful for any person, firm  
or corporation to park or permit to be parked a motor vehicle at  
any time on the following designated streets within the corporate  
limits of the Village of Arlington Heights, to wit:

North and South sides of Dundee Road, throughout  
its length.

SECTION TWO: That the Village Manager is hereby  
directed to erect appropriate signs to effectuate the purpose of  
this ordinance.

SECTION THREE: That any person, firm or corporation  
violating any of the terms of this ordinance shall be fined not  
more than \$500.00 for each such offense.

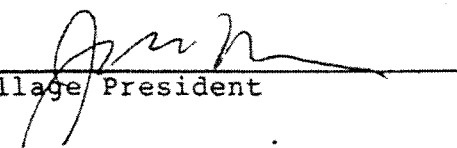
SECTION FOUR: That all ordinances or parts of  
ordinances in conflict with the provisions of this ordinance are  
hereby repealed.

SECTION FIVE: That this ordinance shall be in full  
force and effect from and after its passage, approval,  
publication in pamphlet form, and the posting of said signs in  
the manner provided by law.

AYES: WALSH, BUSS, AGRAN, PALMATIER, DUFFY, WALTON, MAKI, RYAN

NAYS: NONE

PASSED AND APPROVED this 17th day of March, 1986.

  
Village President

ATTEST:

  
Village Clerk

*Original sent  
to State*

AN ORDINANCE REGULATING PARKING ON DUNDEE ROAD  
FROM ROUTE #53 to OLD ARLINGTON HEIGHTS ROAD.

12/14

BE IT ORDAINED by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois. EXHIBIT C

WHEREAS, the Village of Arlington Heights and the State of Illinois, acting by and through its Department of Public Works and Buildings, Division of Highways, have entered into an agreement relative to the improvement of FAS Route 115 (166 Route #68) State Section 3041-15D-Z-R from Illinois Route 53 to old Arlington Heights Road;

and

WHEREAS, in order to facilitate said improvement it is necessary for the Village to adopt an ordinance regulating the parking on Dundee Road from Route 53 to old Arlington Heights Road.

NOW, THEREFORE, BE IT ORDAINED by the President and Board of Trustees of the Village of Arlington Heights, Cook County, Illinois:

SECTION ONE

That it shall be unlawful for any person, firm or corporation to park or cause to be parked a motor vehicle on Dundee Road from Route 53 to old Arlington Heights Road.

SECTION TWO

That if any section, paragraph, clause, phrase or part of this ordinance is for any reason held invalid, such decision shall not affect the validity of the remaining provisions of this ordinance, and the application of these provisions to any persons or circumstances shall not be affected thereby.

SECTION THREE

All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed insofar as they conflict herewith.

SECTION FOUR

This ordinance shall be in full force and effect from and after its passage, approval and publication pursuant to law.

PASSED this 4 day of May

VOTES:

AYES 6  
NAYS 0

**MICROFILMED**

MAY 3 1973

VILLAGE ARLINGTON HEIGHTS  
CODE Betty J. Keward  
Village Clerk

APPROVED this 4 day of May, 1970.

John J. Walsh  
Village President

0-036

70-036



**Item:** Resolution for Funding - IDOT - Dundee Road Improvements between Wilke Road and Kennicott Avenue

**Department:** Engineering/Legal

## **BACKGROUND**

In 2013, the Illinois Department of Transportation (IDOT) approached the Village with a proposed intersection improvement project for Illinois Route 68 (Dundee Rd.) from Wilke Road to Kennicott Avenue. IL 68 (Dundee Rd.) will be resurfaced, will receive new curbs, and will incorporate the Village requested raised landscaped medians along applicable sections of the roadway. As part of the improvements, the intersection of IL 68 (Dundee Rd.) and Wilke Road will have upgraded traffic signals and lighting, including pedestrian walk signals. The intersection of IL 68 (Dundee Rd.) and Kennicott Avenue will also have new traffic signals and lighting, including pedestrian walk signals. There will also be a new right turn lane for eastbound IL 68 (Dundee Rd.) vehicles turning right onto southbound Kennicott Avenue.

During the project scoping process, the Village requested that a 10 foot wide multi-use path be included in the project along the north side of IL 68 (Dundee Rd.) through the project limits. Unfortunately, the design engineer was unable to provide a complete path. The section at the existing Arlington Nissan driveway is to remain at 5' wide due to driveway slope restrictions.

In addition to a Joint Agreement with IDOT, a Funding Resolution setting forth the Village's share of the cost of said improvements in the amount of \$92,920 is necessary.

## **RECOMMENDATION**

It is recommended that the Village Board approve a Funding Resolution for improvements on Illinois Route 68 between Wilke Road and Kennicott Avenue.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

IDOT - Funding - Dundee Road  
Improvements

**Type**

Resolution

## **FUNDING RESOLUTION**

WHEREAS, the Village of Arlington Heights has entered into an agreement with the State of Illinois for the improvement of Illinois Route 68 (Dundee Road), known as FAP 343, State Section (531-4HPK & 3041-15D-2-RN); and

WHEREAS, in compliance with the aforementioned agreement, it is necessary for the Village to appropriate sufficient funds to pay its share of the cost of said improvement,

NOW, THEREFORE, BE IT RESOLVED BY THE VILLAGE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That there is hereby appropriated the sum of \$92,920 or so much thereof as may be necessary, from any money now or hereinafter allotted to the Village to pay its share of the cost of this improvement as provided in the Agreement.

SECTION TWO: That upon award of the contract for this improvement, the Village will pay to the State in a lump sum from any funds allotted to the Village, an amount equal to 80% of its obligation incurred under this Agreement, and will pay to said State the remainder of its obligation in a lump sum, upon completion of the project based on final costs.

SECTION THREE: That the Village agrees to pass a supplemental resolution to provide any necessary funds for its share of the cost of this improvement if the amount appropriated herein proves to be insufficient, to cover said cost.

SECTION FOUR: That this Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3<sup>rd</sup> day of August, 2015.

---

Village President

ATTEST:

---

Village Clerk

STATE OF ILLINOIS)  
COUNTY OF COOK )

I, Rebecca Hume, Village Clerk in and for the Village of Arlington Heights, hereby certify the foregoing to be a true perfect and complete copy of the resolution adopted by the Village Board at a meeting on August 3, 2015.

IN TESTIMONY WHEREOF, I have hereunto set my hand seal this 3rd day of August, 2015.

---

Village Clerk

(SEAL)



**Item:** Ordinance - 2-way stop streets - Recreation Park Area

**Department:** Engineering/Legal

## **BACKGROUND**

The Village has received multiple requests to review the traffic patterns and accidents occurring in the neighborhood north of Recreation Park bounded by Arlington Heights Road on the west, Euclid Avenue on the north, Douglas Avenue on the east and Miner Street on the south. The streets in this neighborhood are laid out in a conventional grid pattern. Most neighborhoods in Arlington Heights typically have long blocks in the north-south direction and short blocks east-west, but the layout of the streets in this Rec Park neighborhood are all short blocks.

With the busy streets of Arlington Heights Road as the western boundary and Euclid Avenue as the north boundary, the traffic through the neighborhood has resulted in some accidents occurring at certain intersections. Although the number of these incidents was not at a consistent rate or indicative of specific recurring trends, residents within the neighborhood expressed concerns that the accident rates were exacerbated by motorists cutting through the neighborhood.

The Village conducted a thorough review of accident reports, vehicle volume data, and intersection sight distance. After careful consideration, implementation of an alternating 2-way stop signage pattern is suggested for this neighborhood for a one year trial period to evaluate if this approach has a positive effect on accident rates and addresses residents' concerns about traffic safety. The Village will monitor the performance of these signs through speed studies, traffic volume counts, and accident data to compare "before" and "after" conditions. By analyzing these studies, the Village will be able to determine the effectiveness of the new signage.

Based on the results of the analysis, a final recommendation on the signs will be brought back before the Village Board.

## **RECOMMENDATION**

It is recommended that the Village Board approve an ordinance to create the following traffic control:



Two-way stop sign control for Fremont Street to stop for Pine Avenue  
Two-way stop sign control for Pine Avenue to stop for St. James Street  
Two-way stop sign control for Eastman Street to stop for Pine Avenue  
Two-way stop sign control for Belmont Avenue to stop for Eastman Street  
Two-way stop sign control for Fremont Street to stop for Haddow Avenue  
Two-way stop sign control for Haddow Avenue to stop for St. James Street  
Two-way stop sign control for Eastman Street to stop for Haddow Avenue

The remaining streets already have the two-way stop control in place. It is recommended that the signage be implemented for a one year trial period during which time the performance of the intersections will be evaluated. Based on the analysis of the trial period, a recommendation on the status of the sign trial will be brought back before the Village Board.

It is also recommended that the following existing ordinances be repealed: Ordinance #98-081, which established a 2-way stop sign control for Eastman Street to stop for Belmont Avenue, and Ordinance #13-034, which established a yield sign control for Fremont Street to yield to Pine Avenue.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                     | <b>Type</b> |
|----------------------------------------|-------------|
| 2-way stops - Recreation Park          | Ordinance   |
| Recreation Park - Proposed Signage Map | Exhibits    |

**AN ORDINANCE DESIGNATING**  
**TWO-WAY STOP STREETS**

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: The following described intersections are hereby designated as stop intersections. It shall be unlawful for any person operating a motor vehicle within the designated streets to enter into such intersections without coming to a full and complete stop as required by a stop sign appropriately located:

**TWO-WAY STOP: Fremont Street to stop for Pine Avenue**  
**Pine Avenue to stop for St. James Street**  
**Eastman Street to stop for Pine Avenue**  
**Belmont Avenue to stop for Eastman Street**  
**Fremont Street to stop for Haddow Avenue**  
**Haddow Avenue to stop for St. James Street**  
**Eastman Street to stop for Haddow Avenue**

SECTION TWO: The Village Manager is hereby directed to install appropriate signs as indicated in this Ordinance to effectuate the purposes of this Ordinance.

SECTION THREE: Any person, firm or corporation violating any of the terms of this Ordinance shall be fined not more than \$750.00 for each such offense.

SECTION FOUR: That Ordinance Numbers 98-081 and 13-034 and any ordinances or parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION FIVE: This Ordinance shall be in full force and effect from and after its passage, approval, publication in pamphlet form and the posting of said signs at the intersection in the manner provided by law.

AYES:

NAYS:

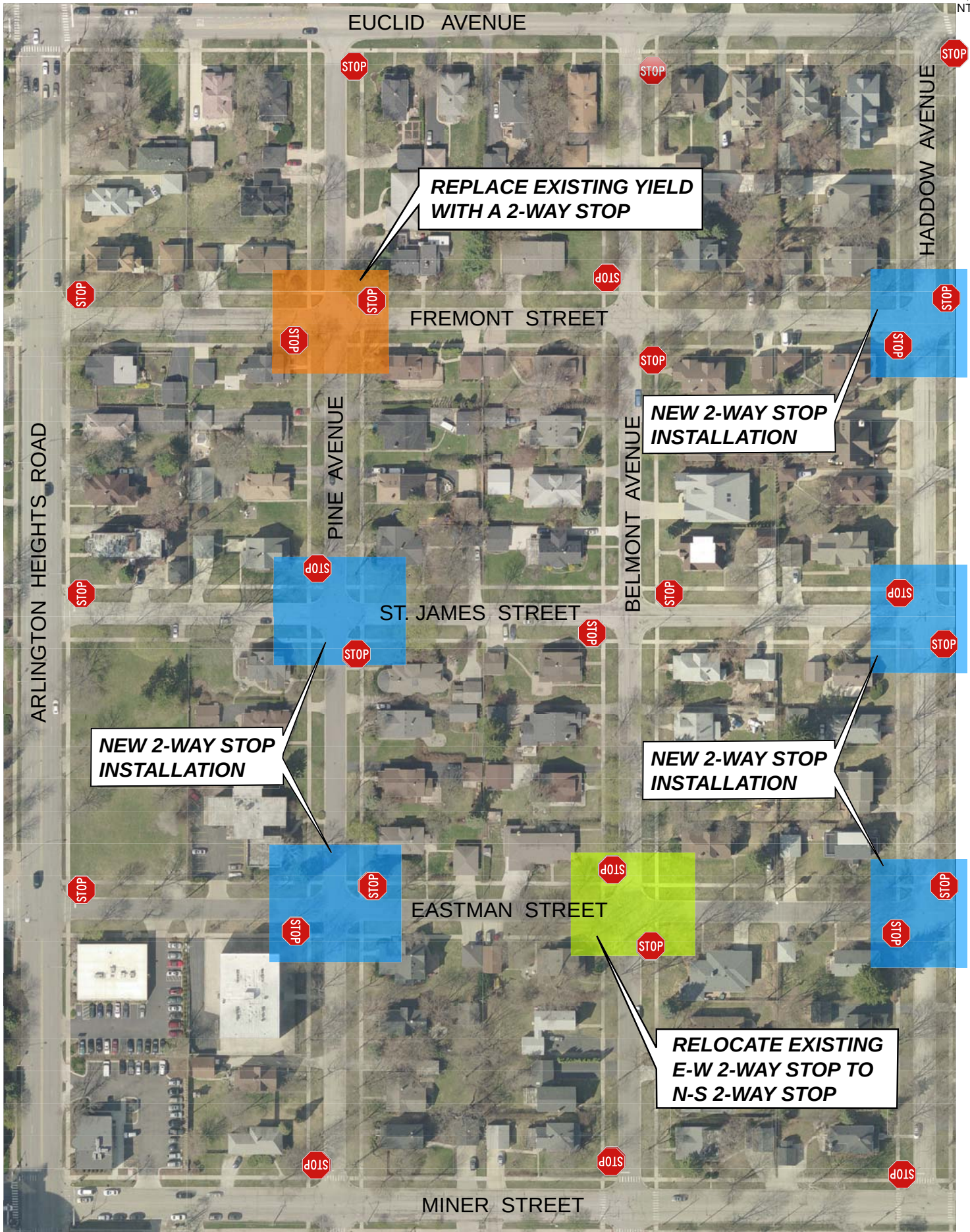
PASSED AND APPROVED this 3rd day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk

# PROPOSED SIGNAGE ALONG PINE, BELMONT AND HADDOW AVE.







**Item:** Resolution - Plat of Easement - Storm Sewer

**Department:** Engineering/Legal

A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes  
(5' of the north 25' at 707 W. Noyes Street)

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                                   | <b>Type</b> |
|------------------------------------------------------|-------------|
| Plat of Easement - Storm Sewer - 707 W. Noyes Street | Resolution  |

**A RESOLUTION ACCEPTING**  
**A PLAT OF EASEMENT FOR**  
**PUBLIC STORM SEWER PURPOSES**

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That a Plat of Easement establishing a public storm sewer easement located along the west five feet of the north 25 feet of the property at 707 W. Noyes Street, attached hereto and made a part hereof, be and is approved and accepted.

SECTION TWO: The Village President is hereby authorized and directed to execute said plat of easement, which shall be attested by the Village Clerk, on behalf of the Village of Arlington Heights.

SECTION THREE: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law and the Resolution and Plat shall be recorded by the Village Clerk in the Office of the Recorder of Cook County.

AYES:

NAYS:

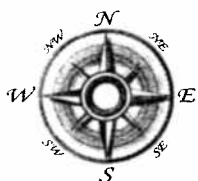
PASSED AND APPROVED this 3rd day of August, 2015.

ATTEST:

\_\_\_\_\_  
Village President

\_\_\_\_\_  
Village Clerk

EASEMENTS: plat of easement – storm sewer – 707 W. Noyes St



0' 30' 60'  
Scale: 1"=30'

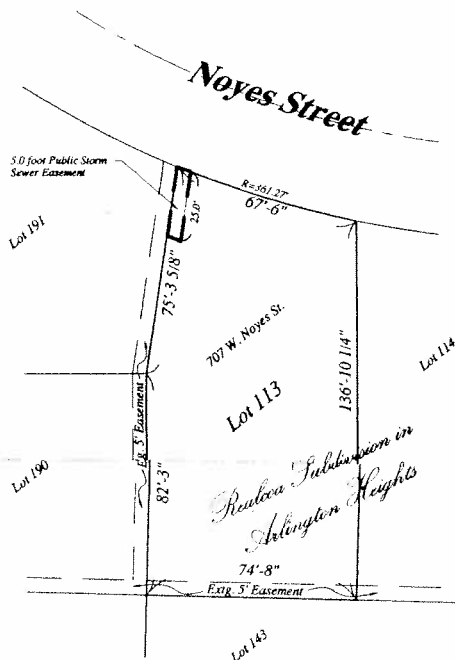
February 2nd, 2015 A.D.

# Plat of Easement

## Public Storm Sewer

### Village of Arlington Heights

THE WEST 5.0 FEET OF THE NORTH 25.0 FEET OF LOT 113 IN REALCOA  
SUBDIVISION IN ARLINGTON HEIGHTS, A SUBDIVISION IN SECTION 9,  
TOWNSHIP 41 NORTH RANGE 11, EAST OF THE THIRD PRINCIPAL  
MERIDIAN, IN COOK COUNTY, ILLINOIS.



Pin # 08-09-308-001

Also Known as 707 W. Noyes St.

I/We MICHAEL L. DORUFF / ALISON C. DORUFF, do hereby certify  
(Printed Name / Names)

I am/we are the owner(s) of this property described in the above legal description  
and that as such owner(s) has/have caused the Easement hereon drawn to be granted  
to The Village of Arlington Heights, Illinois.

Michael L. Doruff  
Owner (Signature)

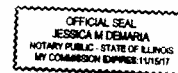
Alison C. Doruff  
Owner (Signature)

State of Illinois ) SS  
County of Cook )

I, Jessica M. DeMara, a Notary Public in aforesaid County in the  
State aforesaid, do hereby certify that Michael L. Doruff and Alison C. Doruff, personally  
known to me to be the same person(s) whose name(s) is (are) subscribed to the foregoing  
instrument, appear before me this day in person and acknowledged that as the owner(s)  
of the property described hereon, signed, sealed, and delivered the said instrument as  
free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 1st day  
of April, A.D., 2015.

Jessica M. DeMara  
Notary Public



State of Illinois ) SS  
County of Cook )

MEGU as Mortgagee of the  
property described hereon does hereby consent to the Easement to  
The Village of Arlington Heights for the property described  
hereon.

By: Jan Abrams  
Title: Loan officer Name: Lisa Abrams  
(Printed Name)

Attest: Lisa Swenson  
Title: Loan officer Name: Lisa Swenson  
(Printed Name)

I hereby certify that I find no deferred installments of outstanding  
unpaid special assessments due against the above described property.

Thomas F. Kuehne  
Thomas F. Kuehne, Village Collector

This Easement is hereby reserved for and granted to the Village of Arlington Heights  
and to its successors and assigns, over all of the areas marked "Public Storm Sewer  
Easement" on the plat for the perpetual right, privilege, and authority to survey,  
construct, reconstruct, repair, inspect, maintain and operate storm sewers and the  
right of access across the property for necessary men and equipment to do any of the  
above work. The right is also granted to trim or remove any trees, shrubs or other  
plants on the easement that interfere with the operation of the sewers or other utilities.  
No permanent buildings shall be placed on said easement. No change to the topography  
or stormwater management structures within the easement area shall be made without  
express written consent of the Director of Engineering, but same may be used for  
purposes that do not then or later interfere with the aforesaid uses or rights.

The owner of the property shall remain responsible for the maintenance of the Easement  
area and appurtenances. The Village of Arlington Heights, or its designees, shall, upon  
completion of any work authorized by this grant, restore the easement premises to the  
same or better condition than that existing prior to the beginning of work. The Village  
of Arlington Heights will perform only emergency procedures as deemed necessary by  
the Director of Engineering of The Village of Arlington Heights

Approved by the President and Board of Trustees  
of The Village of Arlington Heights, Cook County,  
Illinois, at a meeting held the \_\_\_\_\_ day of \_\_\_\_\_,  
2015 A.D.

By: \_\_\_\_\_  
President

Attest: \_\_\_\_\_  
Village Clerk

Approved this 24 day of JULY, A.D., 2015  
by the Director of Engineering of The Village of Arlington Heights, Illinois.

By: Michael L. Pagones  
James J. Massarelli, P.E. MICHAEL L. PAGONES, P.E.  
Reg. No. 062-046110 Reg. No. 062-047673

Sheet 1 of .



**Item:** Resolution - Plat of Easement - Storm Sewer

**Department:** Engineering/Legal

A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes (5' easement to be located immediately west of existing 5' easement along the east side of 2305 E. Grove Street)

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                             | <b>Type</b> |
|------------------------------------------------|-------------|
| Plat of Easement - Storm Sewer - 2305 E. Grove | Resolution  |

**A RESOLUTION ACCEPTING  
A PLAT OF EASEMENT FOR  
PUBLIC STORM SEWER PURPOSES**

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That there is in existence a five foot public utility easement located along the east five feet of the property located at 2305 E. Grove Street; and

SECTION TWO: That a Plat of Easement for a public storm sewer for the five feet immediately west of the existing public utility easement on the property at 2305 E. Grove Street, attached hereto and made a part hereof, is approved and accepted.

SECTION THREE: The Village President is hereby authorized and directed to execute said plat of easement, which shall be attested by the Village Clerk, on behalf of the Village of Arlington Heights.

SECTION FOUR: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law and the Resolution and plat shall be recorded by the Village Clerk in the Office of the Recorder of Cook County.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

ATTEST:

\_\_\_\_\_  
Village President

\_\_\_\_\_  
Village Clerk

EASEMENTS: plat of easement – storm sewer – 2305 E. Grove St

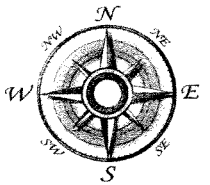


# Plat of Easement

## Public Storm Sewer

### Village of Arlington Heights

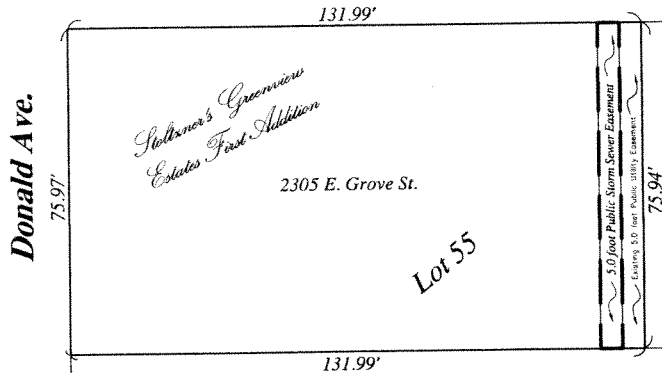
THE EAST 10.0 FEET (EXCEPT THE EAST 5 FEET OF SAID EAST 10 FEET) BEING THAT PART OF LOT 55 IN STOLTZNER'S GREENVIEW ESTATES FIRST ADDITION, BEING A SUBDIVISION OF PART OF THE WEST 1/2 OF THE WEST 1/2 OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF REGISTERED IN THE OFFICE OF THE REGISTRAR OF TITLES OF COOK COUNTY, ILLINOIS ON DECEMBER 10, 1956 AS DOCUMENT NUMBER 1712291.



0' 20' 40'  
Scale: 1"=20'

February 9th, 2015 A.D.

#### E. Grove St.



This Easement is hereby reserved for and granted to the Village of Arlington Heights and to its successors and assigns, over all of the areas marked "Public Storm Sewer Easement" on the plat for the perpetual right, privilege, and authority to survey, construct, reconstruct, repair, inspect, maintain and operate storm sewers and the right of access across the property for necessary men and equipment to do any of the above work. The right is also granted to trim or remove any trees, shrubs or other plants on the easement that interfere with the operation of the sewers or other utilities. No permanent buildings shall be placed on said easement. No change to the topography or stormwater management structures within the easement area shall be made without express written consent of the Director of Engineering, but same may be used for purposes that do not then or later interfere with the aforesaid uses or rights.

The owner of the property shall remain responsible for the maintenance of the Easement area and appurtenances. The Village of Arlington Heights, or its designees, shall, upon completion of any work authorized by this grant, restore the easement premises to the same or better condition than that existing prior to the beginning of work. The Village of Arlington Heights will perform only emergency procedures as deemed necessary by the Director of Engineering of The Village of Arlington Heights

Approved by the President and Board of Trustees  
of The Village of Arlington Heights, Cook County,  
Illinois, at a meeting held the \_\_\_\_\_ day of \_\_\_\_\_,  
2015 A.D.

By: \_\_\_\_\_  
President

Attest: \_\_\_\_\_  
Village Clerk

I hereby certify that I find no deferred installments of outstanding  
unpaid special assessments due against the above described property.

Thomas F. Kuehne  
Thomas F. Kuehne, Village Collector

Approved this 24 day of July, A.D., 2015  
by the Director of Engineering of The Village of  
Arlington Heights, Illinois.

By: James J. Massarilli, P.E.  
James J. Massarilli, P.E. MICHAEL L. PAGONES, P.E.  
Reg. No. 062-046110 Reg. No. 062-047673

Pin # 03-33-210-001

Also Known as 2305 E. Grove St.

I/We Edward Cohen, do hereby certify  
(Printed Name / Names)

I am/we are the owner(s) of this property described in the above legal description  
and that as such owner(s) has/have caused the Easement hereon drawn to be granted  
to The Village of Arlington Heights, Illinois.

Edward Cohen  
Owner (Signature)

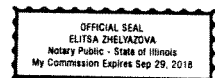
Owner (Signature)

State of Illinois )  
County of Cook ) SS

I, Elitsa Zheliazova, a Notary Public in aforesaid County in the  
State aforesaid, do hereby certify that Edward S Cohen, personal  
known to me to be the same person(s) whose name(s) is (are) subscribed to the foregoing  
instrument, appear before me this day in person and acknowledged that as the owner(s)  
of the property described hereon, signed, sealed, and delivered the said instrument as  
free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 19 day  
of March, A.D., 2015.

Elitsa Zheliazova  
Notary Public



State of Kentucky )  
County of Daviess ) SS

Mortgage Electronic Registration  
Systems, Inc., nominee for U.S. Bank N.A., as Mortgagee of the  
property described hereon does hereby consent to the Easement to  
The Village of Arlington Heights for the property described  
hereon.

By: Amber Kaye Montgomery  
Title: Assistant Secretary Name: Amber Kaye Montgomery  
(Printed Name)

Attest: Renee J. Mueller  
Title: First Vice President Name: Renee J. Mueller  
(Printed Name)





**Item:** Ordinance - Chapter 13 - Class "A" liquor license

**Department:** Legal

An Ordinance Amending Chapter 13 of the Arlington Heights Municipal Code  
(Surrender of Class "A" liquor license)

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                    | <b>Type</b> |
|---------------------------------------|-------------|
| Chapter 13 - Class "A" liquor license | Ordinance   |

**AN ORDINANCE AMENDING CHAPTER 13 OF  
THE ARLINGTON HEIGHTS MUNICIPAL CODE**

BE IT ORDAINED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That Section 13-502 of the Arlington Heights Municipal Code, pertaining to the number of liquor licenses, is hereby amended to decrease the number of Class “A” liquor licenses authorized, with the amended entry for Class “A” licenses to read as follows:

| <b>CLASS OF<br/>LICENSE</b> | <b>ANNUAL<br/>LICENSE FEE</b> | <b>NUMBER OF LICENSES<br/>AUTHORIZED</b> |
|-----------------------------|-------------------------------|------------------------------------------|
| A                           | \$3,800.00                    | 27                                       |

SECTION TWO: This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk



**Item:** Resolution - Plat of Easement - Storm Sewer

**Department:** Engineering/Legal

A Resolution Accepting a Plat of Easement for Public Storm Sewer Purposes (5' easement to be located immediately west of existing 5' easement along the east side of 407 S. Donald Ave.)

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                             | <b>Type</b> |
|------------------------------------------------|-------------|
| Plat of Easement - Storm Sewer - 407 S. Donald | Resolution  |

**A RESOLUTION ACCEPTING**  
**A PLAT OF EASEMENT FOR**  
**PUBLIC STORM SEWER PURPOSES**

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That there is in existence a five foot public utility easement located along the east five feet of the property located at 407 S. Donald Avenue; and

SECTION TWO: That a Plat of Easement for a public storm sewer for the five feet immediately west of the existing public utility easement on the property at 407 S. Donald Avenue, attached hereto and made a part hereof, is approved and accepted.

SECTION THREE: The Village President is hereby authorized and directed to execute said plat of easement, which shall be attested by the Village Clerk, on behalf of the Village of Arlington Heights.

SECTION FOUR: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law and the Resolution and plat shall be recorded by the Village Clerk in the Office of the Recorder of Cook County.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

ATTEST:

\_\_\_\_\_  
Village President

\_\_\_\_\_  
Village Clerk

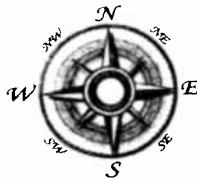
EASEMENTS: plat of easement – storm sewer – 407 S. Donald

# Plat of Easement

Public Storm Sewer

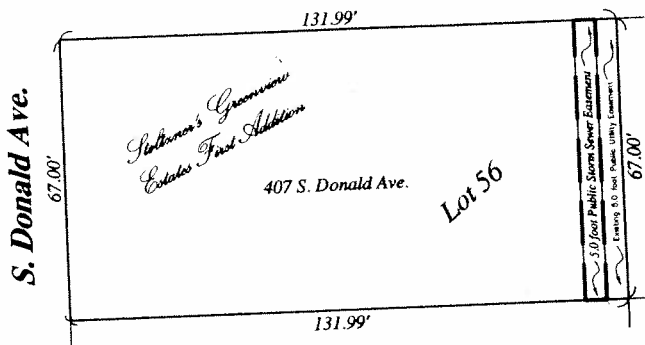
## Village of Arlington Heights

THE EAST 10.0 FEET (EXCEPT THE EAST 5 FEET OF SAID EAST 10 FEET) BEING THAT PART OF LOT 56 IN STOLTZNER'S GREENVIEW ESTATES FIRST ADDITION, BEING A SUBDIVISION OF PART OF THE WEST 1/2 OF THE WEST 1/2 OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS



0' 20' 40'  
Scale: 1"=20'

April 22nd, 2015 A.D.



This Easement is hereby reserved for and granted to the Village of Arlington Heights and to its successors and assigns, over all of the areas marked "Public Storm Sewer Easement" on the plat for the perpetual right, privilege, and authority to survey, construct, reconstruct, repair, inspect, maintain and operate storm sewers and the right of access across the property for necessary men and equipment to do any of the above work. The right is also granted to trim or remove any trees, shrubs or other plants on the easement that interfere with the operation of the sewers or other utilities. No permanent buildings shall be placed on said easement. No change to the topography or stormwater management structures within the easement area shall be made without express written consent of the Director of Engineering, but same may be used for purposes that do not then or later interfere with the aforesaid uses or rights.

The owner of the property shall remain responsible for the maintenance of the Easement area and appurtenances. The Village of Arlington Heights, or its designees, shall, upon completion of any work authorized by this grant, restore the easement premises to the same or better condition than that existing prior to the beginning of work. The Village of Arlington Heights will perform only emergency procedures as deemed necessary by the Director of Engineering of The Village of Arlington Heights

Approved by the President and Board of Trustees of The Village of Arlington Heights, Cook County, Illinois, at a meeting held the \_\_\_\_\_ day of \_\_\_\_\_, 2015 A.D.

By: \_\_\_\_\_  
President

Attest: \_\_\_\_\_  
Village Clerk

I hereby certify that I find no deferred installments of outstanding unpaid special assessments due against the above described property.

Thomas F. Kuehne  
Thomas F. Kuehne, Village Collector

Approved this 24 day of July, A.D., 2015 by the Director of Engineering of The Village of Arlington Heights, Illinois.

By: Michael L. Pappas  
Michael L. Pappas, P.E.  
Reg. No. 062-046770 Reg. No. 062-047673

Pin # 03-33-210-002

Also Known as 407 S. Donald Ave.

I/We Dana Van Diggelen, do hereby certify

I am/we are the owner(s) of this property described in the above legal description and that as such owner(s) has/have caused the Easement hereon drawn to be granted to The Village of Arlington Heights, Illinois.

Dana Van Diggelen  
Owner (Signature)

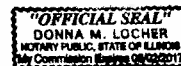
Owner (Signature)

State of Illinois } SS  
County of Cook }

I, Donna M. Locher, a Notary Public in aforesaid County in the State aforesaid, do hereby certify that Dana Van Diggelen, personally known to me to be the same person(s) whose name(s) is (are) subscribed to the foregoing instrument, appear before me this day in person and acknowledged that as the owner(s) of the property described hereon, signed, sealed, and delivered the said instrument as free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 23rd day of April, A.D., 2015.

Donna M. Locher  
Notary Public



State of ILLINOIS } SS  
County / Parish of COOK }

MIN: 1000312-0001197538-7  
MERS PHONE: 1-888-679-6377  
Mortgage Electronic Registration Systems, Inc. as nominee for Wintrust Mortgage, a division of Barrington Bank and Trust Co., N.A. its successors and assigns, P.O. Box 2026, Flint MI 48501-2026 as Mortgagee of the property described hereon does hereby consent to the Easement to The Village of Arlington Heights for the property described hereon.

By: Amy Kight  
Title: Assistant Secretary Name: Amy Kight  
(Printed Name)

Mortgage Electronic Registration Systems Inc.

Attest: Vicki Strickland  
Title: Witness Name: VICKI STRICKLAND  
(Printed Name)

State of Louisiana }  
Parish of QUACHITA } QUACHITA

On May 26, 2015, before me appeared Amy Kight to me personally known, who did say that she/they is (are) the Assistant Secretary of Mortgage Electronic Registration Systems, Inc. and that the instrument was signed on behalf of the corporation (or association), by authority from its board of directors, and that she/they acknowledge the instrument to be the free act and deed of the corporation (or association).

Antony Gott  
LA NOTARY ID# 106390 NOTARY PUBLIC  
LIFETIME COMMISSION





**Item:** Resolution - License Agreement - Day Go Dog & Za Restaurant

**Department:** Planning/Legal

### **BACKGROUND**

Day Go Dog & Za Restaurant located at 5 W. Campbell Street has submitted an application for outdoor dining on the public sidewalk along the frontage of Campbell Street in front of their restaurant.

Chapter 28, Section 5.1-14.2 allows the use of public sidewalks for outdoor eating cafes subject to certain criteria. Because this request is to use public sidewalk, which requires a License Agreement, review and approval by the Village Board is required.

The request from Day Go Dog & Za Restaurant is in accordance with the more relaxed requirements approved by the Village Board in May 2014. Day Go Dog & Za Restaurant is delineating the dining area through the use of planters/fencing with openings that allow for a shared walkway for pedestrians, restaurants, and patrons.

The application has been reviewed by the appropriate departments and either meets or will meet all requirements. Day Go Dog & Za Restaurant has provided the appropriate insurance provisions and signed the License Agreement.

### **RECOMMENDATION**

It is recommended that the Village Board approve the License Agreement with Day Go Dog & Za Restaurant outdoor dining request.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:****Description**

License Agreement - Day Go Dog

License Agreement - Day Go Dog

**Type**

Resolution

Agreement



**A RESOLUTION APPROVING A  
LICENSE AGREEMENT WITH  
DAY GO DOG & ZA RESTAURANT**

BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF ARLINGTON HEIGHTS:

SECTION ONE: That a License Agreement by and between the Village of Arlington Heights and Bugeye Ori LLC, to allow Day Go Dog & Za Restaurant to utilize the right-of-way located directly in front of 5 W. Campbell Street as an outdoor eating area through October 31, 2015, a true and correct copy of which is attached hereto, is approved.

SECTION TWO: The Village President and Village Clerk are hereby authorized and directed to execute the License Agreement on behalf of the Village of Arlington Heights.

SECTION THREE: This Resolution shall be in full force and effect from and after its passage and approval in the manner provided by law.

AYES:

NAYS:

PASSED AND APPROVED this 3rd day of August, 2015.

\_\_\_\_\_  
Village President

ATTEST:

\_\_\_\_\_  
Village Clerk

## **LICENSE AGREEMENT**

THIS LICENSE AGREEMENT ("Agreement") entered into between the Village of Arlington Heights, a municipal corporation of the County of Cook, State of Illinois ("Village") and Bugeye Ori LLC, ("Licensee"); and

WHEREAS, the Village is the owner of right-of-way ("Site"), located directly in front of 5 W. Campbell Street in the Village of Arlington Heights; and

WHEREAS, Licensee is the owner of Day Go Dog & Za, a restaurant located at 5 W. Campbell Street, in the Village of Arlington Heights; and

WHEREAS, the Licensee's restaurant is located directly adjacent to the Site; and

WHEREAS, Licensee has requested permission from the Village to use the Site solely for the purposes described herein,

NOW THEREFORE, in consideration of ten dollars and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, and the mutual covenants contained herein, the Parties agree as follows:

1. The Village grants the Licensee a license to use the Site for an outdoor eating area, as set forth on Exhibit A, which is attached and made a part of this Agreement. The Licensee understands and agrees that the Site is on public-right-of-way and, as such, may be utilized by individuals not utilizing the Licensee's facility.
2. Recognizing that the use of the Site is seasonal, the term of this Agreement shall be for the period commencing on the date set forth above and terminating October 31, 2015. Should the Licensee desire to enter into an Agreement for any subsequent period, the Licensee will fill out the applicable documents to apply for the use of the Site as an outdoor eating area. The Village shall review the Licensee's prior use of the Site to determine if the Village desires to enter into another License Agreement. The granting of a License in one year is in no way a guarantee of a License in a future year. The Village, in its sole discretion, will determine upon receipt and review of appropriate documentation and prior history whether a subsequent License will be granted. If the Village determines that a License can be granted for another year, it will notify the Licensee in writing of its willingness to enter into another Agreement.
3. The Licensee will obtain any required permits and pay all required fees.

4. The Licensee acknowledges that it has physically inspected the Site completely and thoroughly and accepts possession in an "as-is, where-is" condition.

5. The Licensee agrees to keep the Site in a safe, clean, and hazard-free condition throughout its possession. It is expressly understood that the Licensee will be placing planters, tables and chairs on the Site and that these will not be attached in any way to the Site. During hours when the Licensee is not open for business, the Site shall be kept in an aesthetic orderly manner and the tables and chairs shall not be stacked.

The Licensee further understands that the Village assumes no responsibility whatsoever for any injury or damage that may occur in any way from any of the items or furnishings the Licensee places on the Site, regardless of whether the damage or injury occurs on the Site or elsewhere.

6. The Licensee agrees that the Village shall have no liability whatsoever with respect to the Site throughout the term of this Agreement. Licensee shall be responsible for all loss or damage to the Site and to any persons or property therein, regardless of cause, excluding any loss or damage arising out of the negligence or willful misconduct of the Village and its agents and employees.

7. The Licensee will and does hereby agree to defend, indemnify, save and hold harmless the Village of and from all claims, loss damage, injury, causes and actions, suits of whatever nature for personal injury, including death resulting therefrom, and property damage arising out of, resulting from, or in connection with the use or operation, including without limitation, making of improvements, if any, of the Site, or any acts in connection with such use or operation, whether by the Licensee, or a contractor, if any contracting with Licensee, or any invitee, guest, workman, agent or employee of the Licensee. The Licensee further agrees to defend, indemnify, save and hold harmless the Village of and from all claims, loss damage, injury, causes and actions, suits of whatever nature that may occur in any way from any of the furnishings the Licensee places on the Site, regardless of whether the damage or injury occurs on the Site or elsewhere.

8. A default shall occur if the Licensee fails to pay any sum of money (whether the license fee or any other amount due to the Village) when due, if the Licensee's liquor license is revoked by the Village, or if the Licensee fails to comply with any other provision of this Agreement and such failure continues for 30 days after the date of written notice from the Village to the Licensee specifying the nature of the default.

Upon or after any default, this Agreement is terminated without any further notice. The Licensee may re-enter the Site and remove all persons and property from the Site at the Licensee's sole expense.

9. Upon the expiration of the Term or the early termination of this Agreement for any reason, the Village may, in addition to any other rights granted herein, re-enter the Site and remove all persons and property from the Site, storing such property at the Licensee's sole expense.

10. The Licensee agrees that it will, at its expense, obtain insurance to cover its liability hereunder, with the following minimum amounts:

Commercial General Liability:

|                                   |                            |
|-----------------------------------|----------------------------|
| Bodily Injury and Property Damage | \$1,000,000 per occurrence |
| Combined                          | \$2,000,000 aggregate      |

|                           |                |
|---------------------------|----------------|
| Personal Injury Liability | BFGL aggregate |
|---------------------------|----------------|

|                       |                       |
|-----------------------|-----------------------|
| Worker's Compensation | Statutory (\$100,000) |
|-----------------------|-----------------------|

|                      |           |
|----------------------|-----------|
| Employer's Liability | \$500,000 |
|----------------------|-----------|

Umbrella Excess Liability:

Special coverage shall be \$1,000,000 over primary insurance

All underlying coverage needs to be included in the Umbrella or Excess Liability policy. Any exclusions or exceptions must be noted on the certificate of insurance.

The Licensee agrees that it will name the Village as Additional Insured in the general liability policies of insurance required herein (which may include a combination of underlying and umbrella coverage) with respect to the Site and the use, operation, and possession thereof and that it will provide to the Village the appropriate insurance policy endorsement evidencing compliance.

12. The Licensee agrees to use and operate the Site in complete compliance with all local codes, ordinances, and governmental rules and regulations. The Licensee specifically understands that all outdoor activity on the Site must be concluded no later than 11:00 p.m. The Licensee further understands that it is the responsibility of the Licensee to ensure that no one leaves the Site with any alcoholic beverages. The Licensee also agrees to take any action necessary should the Village notify the Licensee of complaints of excessive noise emanating from the Licensee's use of the Site.

13. The Village, at all times during the Term, shall have the right to enter the Site at any reasonable time to inspect the Site.

14. The Village shall not, by reason of this Agreement or any of its provisions, in any way become the landlord of the Licensee, or in any way become a partner of or joint venture with the Licensee in the conduct of its business.

15. The Licensee acknowledges that this Agreement is not a lease and that it has no rights under the Illinois Forcible Entry and Detainer Law.

16. This Agreement shall be construed in accordance with the laws of the State of Illinois.

17. All notices required under this Agreement shall be deemed sufficiently given or served if delivered personally or if sent by receipted delivery to:

Village of Arlington Heights  
Village Manager  
33 S. Arlington Heights Road  
Arlington Heights, IL 60005

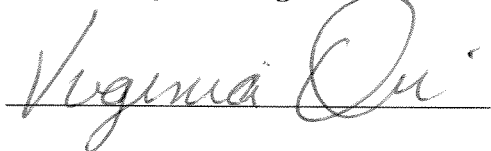
Day Go Dog & Za  
Richie Vaia  
5 W. Campbell Street  
Arlington Heights, IL 60005

19. If any term, covenant, or provision of this Agreement or the application thereof to any person or circumstance shall, to any extent, be invalid or unenforceable, the remainder of this Agreement or the application of such term, covenant, or provision to persons or circumstances other than those to which it is held invalid or unenforceable shall not be affected, and each term, covenant, and condition of this Agreement shall be valid and enforceable to the fullest extent permitted by law.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized officers this \_\_\_\_ day of \_\_\_\_\_, 2015.

Bugeye Ori LLC  
d/b/a Day Go Dog & Za

Village of Arlington Heights





Title

\_\_\_\_\_

Title



Date

\_\_\_\_\_

Date

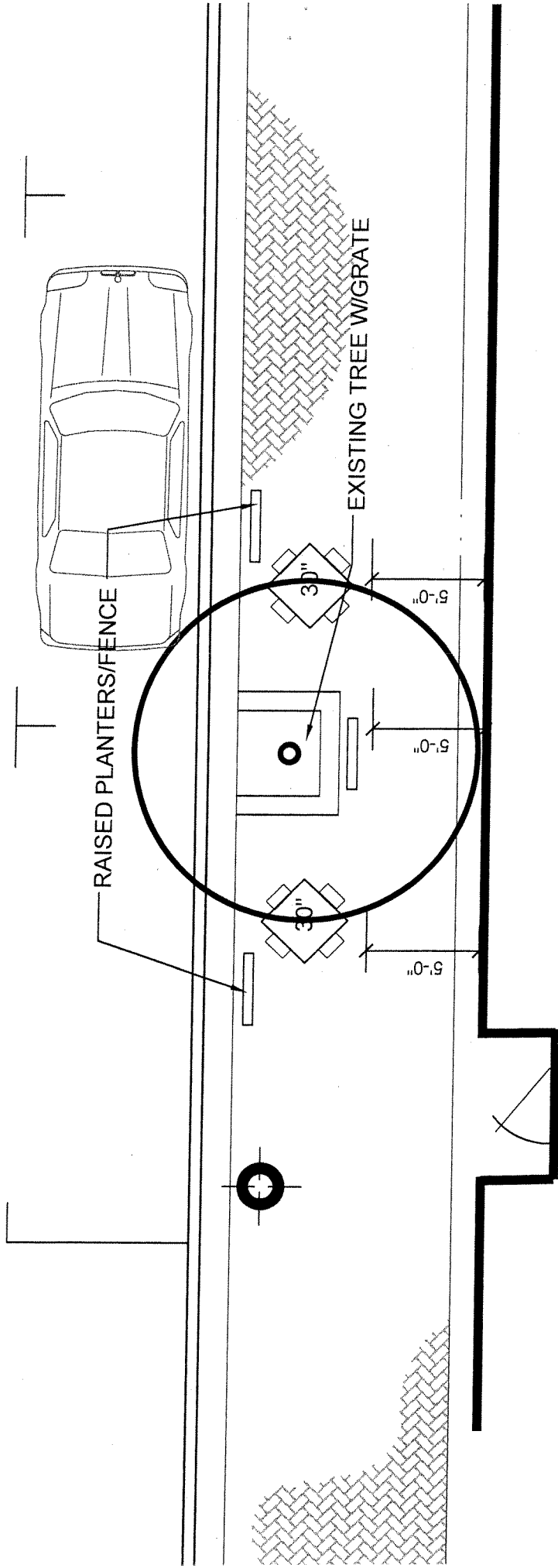
Attest:



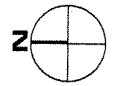
Attest:

\_\_\_\_\_

CAMPBELL STREET



DAY GO DOGS



SCALE:  $\frac{3}{16}'' = 1'-0''$

DAY GO DOGS  
OUTDOOR DINING



**Item:** Bond Waiver - St. James

**Department:** Building & Health Services

**Background**

St. James is requesting a waiver of the bond fee requirement for their annual raffle this fall. Tickets will be sold from September 4th - 27th. Weekling drawings will take place from October 2, 2015 through May 27, 2016.

**Recommendation**

Staff recommends that the Village Board grant the waiver of the bond fee requirement.

---

**Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

**ATTACHMENTS:**

**Description**

ltr.

**Type**

Correspondence



Mr. Randall Recklaus  
Village Manager  
Village of Arlington Heights  
33 South Arlington Heights Road  
Arlington Heights, IL 60005

July 10, 2015

Dear Mr. Recklaus:

St. James Catholic School will once again be conducting our annual raffle this fall. The school raffle is one of the major fundraisers for our Parents' Club. Tickets sales will begin on September 4th and conclude on September 24, 2015. Weekly drawings will take place from October 2, 2015 through May 27, 2016, and winners are notified by mail.

We are requesting a waiver of bond. Please send your response to:

Mrs. Sarah Whelan  
637 North Hadow Avenue  
Arlington Heights, IL 60004

Thank you very much for your assistance.

Sincerely,

A handwritten signature in dark ink, appearing to read "Sarah Whelan". The script is fluid and cursive, with the first name "Sarah" written in a larger, more prominent style than the last name "Whelan".

Sarah Whelan and Jacalyn Derengowski  
St. James School Parents and Raffle Chairpersons

cc: Ms. Valerie Gerstein, Building Department





**Item:** Verizon Wireless Antenna at Luther Village - 800 W. Oakton -  
PC#15-009

**Department:** Planning & Community Development

### **BACKGROUND**

A Special Use Permit for a Rooftop Wireless Antenna.

### **RECOMMENDATION**

A public hearing was held by the Plan Commission on July 22, 2015 where Commissioner Ennes moved and Commissioner Sigalos seconded:

A motion to recommend to the Village Board of Trustees approval of PC#15-009, a Special Use Permit for a rooftop wireless antenna; a variation from Chapter 28, Section 6.12-1, from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer; and a variation from Chapter 28, Section 6.13, from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches and a six foot fence for the equipment shelter.

This approval is contingent upon compliance with the recommendation of the Plan Commission and the following recommendations detailed in the Staff Development Report dated July 17, 2015:

1. The stealth wall enclosure/antenna shroud shall be designed to match the existing brick facade of the building.
2. Prior to issuance of the building permit, provide a letter from Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
3. Prior to receiving a permit, submit any required State or Federal approvals.
4. Landscaping along the perimeter of the proposed screen wall for the generator pad shall be provided. Six 4-inch caliper replacement trees as required per the Ordinance shall be provided.

5. The petitioner shall comply with all Federal, State, and Village codes, regulations, and policies.

Roll Call Vote: Commissioners Drost, Ennes, Green, Jensen, Sigalos, Cherwin and Chairman Lorenzini voted in favor. Motion carried.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                                   | <b>Type</b>                |
|------------------------------------------------------|----------------------------|
| Staff Report                                         | Board or Commission Report |
| PC Minutes 7/22/15 DRAFT                             | Minutes                    |
| Location Map                                         | Exhibits                   |
| Plan Set                                             | Exhibits                   |
| Coverage Plot                                        | Exhibits                   |
| Photo Simulations                                    | Exhibits                   |
| Justification                                        | Correspondence             |
| Department Comments - Round 1                        | Correspondence             |
| Petitioner Response to Department Comments - Round 1 | Correspondence             |
| Petitioner Response - Additional Information         | Exhibits                   |
| PC Timeline Tracker                                  | Correspondence             |

**STAFF DEVELOPMENT COMMITTEE REPORT**

**To:** Plan Commission  
**Prepared By:** Latika Bhide, Development Planner  
**Meeting Date:** July 22, 2015  
**Date Prepared:** July 17, 2015  
**Project Title:** Dolan Realty Advisors on behalf of Verizon Wireless  
**Address:** 800 W. Oakton Street

**BACKGROUND INFORMATION**

**Petitioner:** Douglas K. Dolan, Dolan Realty Advisors, LLC (on behalf of Verizon)  
**Address:** 144 W. Lockwood Ave., Suite 200  
 Webster Groves, MO 63119

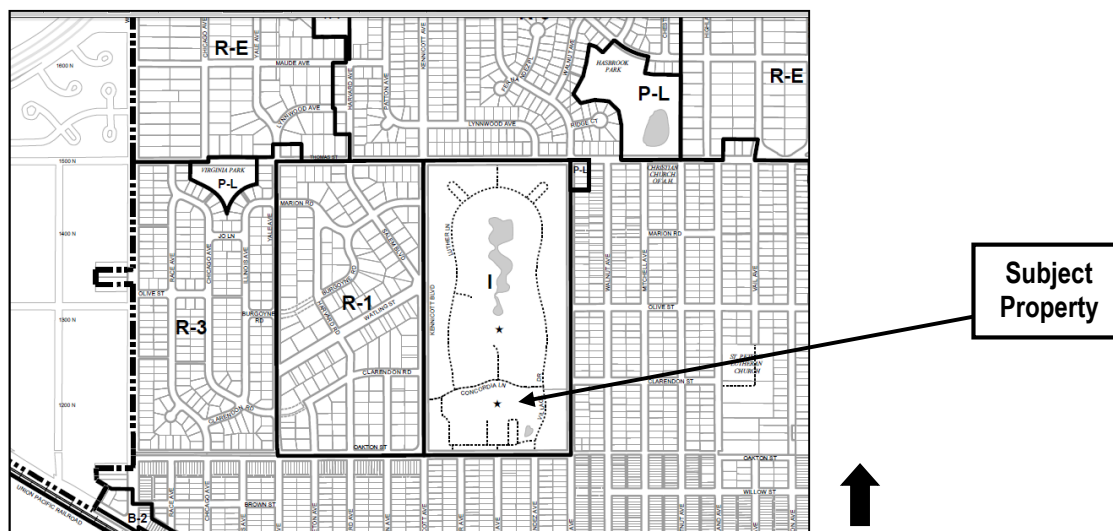
**Existing Zoning:** I, Institutional

**Requested Action:**

- A Special Use Permit for a rooftop wireless antenna.

**Variations Identified:**

- Chapter 28, Section 6.12-1 from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer;
- Chapter 28, Section 6.13 from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches and a six foot fence for the equipment shelter.

**Surrounding Properties**

| Direction | Zoning | Existing Land-Use        | Comprehensive Plan            |
|-----------|--------|--------------------------|-------------------------------|
| North     | R-3    | Single Family Residences | Single Family Detached        |
| South     | R-3    | Single Family Residences | Single Family Detached        |
| East      | R-3    | Single Family Residences | Single Family Detached        |
| West      | R-1    | Single Family Residences | Single Family Detached Estate |

### **Background**

The subject property, 800 W. Oakton Avenue, is zoned I-Institutional and is approximately 73.6 acres in area. The northern portion of the site, which is an independent senior living development, is known as Luther Village. The southern portion of the site is known as Lutheran Home, and includes several components including a skilled nursing facility, a memory support wing, senior assisted living, a child and adult day care facility, and a chapel. Verizon Wireless would like to install rooftop cellular antennas at Lutheran Home, on the southern portion of the site. The petitioner is proposing to add the antennas within a fiberglass enclosure that would be an extension of the existing elevator shaft/penthouse. The proposed enclosure is 10 feet in height and the overall height of the building, lower penthouse, elevator shaft and the proposed extension would be 70 feet to the highest point. The antenna will be located approximately 350 feet from Oakton Street and approximately 465 feet from Kennicott Boulevard. In addition to the antennas, the petitioner is proposing to add a generator on a 4' x 10' concrete pad behind a brick screen wall 8 feet 11 inches tall and a 11'-6" x 16'-10 1/2" lessee equipment shelter on the west side of the building.

Radio and Telephone Antenna are required to obtain a Special Use Permit in the 'I', Institutional District per Chapter 28, Section 6.14-2.



The petitioner initially applied for a Special Use Waiver pursuant to Chapter 28 Section 6.14-2.3. The Planning Department rejected the application for a Special Use Waiver because the additional antennas constitute a substantial increase to the number of existing antennas at this location (it appears that there are 12 antenna at this location now); the proposed antennas project more than 12 feet from the highest point of the roofline of the building and it was questionable whether they would blend in with the existing architectural character of the building.

Verizon Wireless has indicated that they have evaluated other alternatives in the search area, including building a new tower, existing towers and collocating on the Arlington Heights Water Tank. They have indicated that they cannot provide a site with more concealment than the proposed site as the proposed antennas will be concealed behind a screen wall that will be painted to match the existing penthouse.

As the antennas are located deep within this site, farther away from the right-of-way and are proposed as a stealth application where antennas will be enclosed within an enclosure, the Staff Development Committee recommends approval of this Special Use.

### **Zoning and Comprehensive Plan**

The site is currently zoned I, Institutional. Because the use is permitted as a Special Use in the 'I' district, therefore the petitioner has submitted a written justification (please see document Justification.PDF on NOVUS) based on the following special use criteria:

- **That said special use is deemed necessary for the public convenience at this location.**
- **That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.**
- **That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.**

Based on the written provided justification provided, staff believes that the Special Use Criteria are met.

Additionally, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:

- **The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.**

*The petitioner has stated that the search Area provided by Verizon Wireless' RF Engineer depicting the vicinity where Verizon requires a wireless communications site in order to improve its coverage and capacity encompassed the following Village of Arlington Heights zoning districts: I, R-E, R-1, R-3, R-6, and B-2. Of those districts, commercial antennas are allowed with a Special Use Permit in I and B-2 zoning districts and are prohibited in the remainder of the Search Area per the Zoning Ordinance.*

*The petitioner has stated that Verizon Wireless only had 3 potential locations where commercial antennas could be placed. One property is in the 'I', Institutional district where Lutheran Home is located. The other two are zoned 'B-2', General Business District located in the southern portion of the Search Area. The two 'B-2' districts within the Search Area are directly adjacent to an R-3 district. Therefore, Verizon chose to pursue placing antennas on the rooftop of Lutheran Home, shielded from view by a stealth enclosure designed to match the existing facade of the building.*

- **A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge.**

*The rooftop antennas are proposed within a stealth enclosure and will not be visible from the outside. The petitioner has proposed a screen wall for the generator pad. Staff has asked that landscaping be added along the perimeter of the proposed screen wall to soften the impact of the tall wall. The petitioner had initially indicated that they felt that a brick screen wall (designed to match the brickwork of the existing building) would be the least conspicuous method of screening our equipment shelter. They have since acknowledged that they will provide landscaping along the perimeter of the proposed screen wall.*

The Village's Comprehensive Plan designates this property as 'Institutional'.

### **Plat and Subdivision Committee**

On April 8, 2015, the Plat and Sub Committee met to discuss the project. The Committee members felt that since the antennas were located far off the street that was a positive. They stated that the petitioner should move forward, but provide all four elevations and photo simulations as well as hold a neighborhood meeting.

### **Neighborhood Meeting**

The petitioner held a neighborhood meeting on May 19<sup>th</sup>, 2015, which was attended by one resident. The petitioner has stated that the resident expressed no concerns and was supportive of improving wireless coverage in the area.

**Building, Site and Landscape Related Issues**

The petitioner is proposing a generator pad and equipment shelter on the west side of the building in question. Per the plans provided, three trees are proposed to be removed to accommodate the generator pad and equipment shelter. The petitioner has provided information on the trees to be removed and acknowledged that replacement trees as required per the Ordinance will be provided. Per Chapter 28, Section 6.15-5.14 a, exchange rate, six trees, four inch in caliper will be required as replacements. The petitioner has indicated that they are working with the landlord before finalizing the location on the property where the replacement trees will be installed.

The petitioner has indicated that the generator on the west side of the building will be screened by a brick wall. The wall is proposed to be two feet higher than the top of the generator and will be 8'-11" tall. Also, a six foot tall wood fence is proposed behind the equipment shelter. Therefore, the following variation is required:

- Chapter 28, Section 6.13 from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches for the screen wall for the generator pad and to allow six foot fence for the equipment shelter.

The petitioner has submitted a response to the variation hardship criteria.

- **The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone; and**
- **The plight of the owner is due to unique circumstances; and**
- **The variation, if granted, will not alter the essential character of the locality.**

**Traffic & Parking Related Issues**

Per Chapter 28, Section 6.12-1, a traffic study and parking analysis is required for any Special Use that is not located adjacent to a major or secondary arterial. The rooftop antenna will not have any impact on the parking and traffic circulation. Therefore staff supports the request for this variation.

The following variation is required:

- Chapter 28, Section 6.12-1 from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer;

The petitioner has submitted a response to the variation hardship criteria (Please see document Justification.PDF on NOVUS.)

**Recommendation**

The Staff Development Committee recommends **approval** of this Special Use request. The following are recommended as conditions of approval:

1. The stealth wall enclosure/antenna shroud shall be designed to match the existing brick façade of the building.
2. Prior to Village Board consideration, provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
3. Prior to receiving a permit, submit any required State or Federal approvals.
4. Landscaping along the perimeter of the proposed screen wall for the generator pad shall be provided. Six 4-inch caliper replacement trees as required per the Ordinance shall be provided.
5. The Petitioner shall comply with all Federal, State, and Village codes, regulations, and policies.

July 17, 2015

Bill Enright, Deputy Director of Planning and Community Development

C: Randy Recklaus, Village Manager  
All Department Heads

**DRAFT**

PLAN

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING  
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS  
PLAN COMMISSION

COMMISSION

RE: VERIZON WIRELESS ANTENNA AT LUTHER VILLAGE; PC# 15-009

REPORT OF PROCEEDINGS had before the Village of  
Arlington Heights Plan Commission Meeting taken at the  
Arlington Heights Village Hall, 33 South Arlington Heights  
Road, 3rd Floor Board Room, Arlington Heights, Illinois on the  
22nd day of July, 2015, at the hour of 8:19 p.m.

MEMBERS PRESENT:

JOE LORENZINI, Chairman  
LYNN JENSEN  
TERRY ENNES  
BRUCE GREEN  
GEORGE DROST  
JOHN SIGALOS  
JAY CHERWIN

ALSO PRESENT:

LATIKA BHIDE, Development Planner

## DRAFT

CHAIRMAN LORENZINI: Okay, there is another public hearing on the agenda, Verizon Wireless Antenna at Luther Village, 800 West Oakton Street, PC# 15-009. Have all the proper notices been given?

MS. BHITE: They have.

CHAIRMAN LORENZINI: Okay. Is the Petitioner here? Would you please come forward and anybody else who may be testifying? Raise your right hand, I'll swear you in.

(Witnesses sworn.)

CHAIRMAN LORENZINI: Thank you. Could you, who's going to speak first? Okay, would you please state your name, spell it for the court reporter and give your address?

MR. DUEHREN: Dan Duehren, last name is D-u-e-h-r-e-n.

CHAIRMAN LORENZINI: Address please?

MR. DUEHREN: 144 West Lockwood, Suite 200, Webster Groves, Missouri 63119.

CHAIRMAN LORENZINI: Okay. Would you now give us your name and address, too?

MR. DOLAN: My name is Doug Dolan, D-o-l-a-n, the same address, 144 West Lockwood.

CHAIRMAN LORENZINI: Has the Petitioner read the conditions in the Staff report?

MR. DUEHREN: Yes.

CHAIRMAN LORENZINI: Do you agree with them?

MR. DOLAN: With one exception.

CHAIRMAN LORENZINI: Okay. So, why don't you give us a brief presentation on what you're going to do, what your project is?

MR. DUEHREN: Thank you. So, Verizon Wireless has proposed this wireless communication site to address a gap in coverage and capacity that we have in the vicinity. Initially we start this process with what we call a search area. Essentially, we're given basically a circle on a map that says this is where we need to improve coverage.

As you'll see from some of the materials that we submitted, this is an extremely challenging ring. The overwhelming majority of this search ring is densely residential. In fact, there are only three potential locations where we could place a wireless communications facility within this search ring and meet the Village of Arlington Heights' ordinance. That was the site that we chose which is zoned Institutional and then two B-2 Districts kind of on the southern portion of the ring.

We opted for the Institutional for a couple of reasons. First and foremost, we always seek out existing structures whenever we can. That allows us to mount antennas with basically, you know, the least visual and aesthetic impact to the surrounding community rather than having to construct a new cell tower. Had we gone in either of the two B-2 Districts, it would have required a brand



## DRAFT

new cell tower of 75 feet. In our case, we are able to mount antennas on the existing rooftop that will blend in seamlessly we believe with the existing architecture. For that reason, we narrowed our focus and chose this site.

Another reason of course was that that B-2 District that you'll see on the zoning overlay map that we provided backs up very closely to residential homes. So, it would have been much closer to residents in terms of, you know, just sheer distance.

The building that we're located on is actually in the center of a very large parcel. So, when you look at the distance between where our antennas are actually going to be located and the nearest homes, it's several hundred feet in all directions.

The other aspect that we took into account of course was how can we make these essentially as invisible as possible. So, our antennas in fact will be hidden entirely behind a stealth enclosure. So, what that means is, you know, from the naked eye, you won't even see the antennas at all. You'll notice there are antennas already on this building that are mounted to the exterior of the penthouse below us which are visible. But I wanted to make that point of emphasis that ours will not be visible at all.

So, I think that was really kind of the crux of why we chose this site. As you can see, you know, addressing coverage and capacity needs is getting more and more challenging as more and more people are relying solely on wireless communications and moving away from land lines. So, what that means is that demand is increasing the most in residential areas, which is of course the hardest place to provide coverage as far as, you know, new towers. They're typically the most highly restrictive districts.

So, that was really our rationale. We feel like, you know, where we needed to be to meet our needs, we found an extremely compatible site and for that reason we are seeking your approval. Thank you.

CHAIRMAN LORENZINI: Thank you. Which recommendation do you take exception to?

MR. DUEHREN: So, the recommendation that we have to provide a letter of concurrence from Northwest Central Dispatch prior to Village Board consideration. We'd like to have that amended to having that provided before issuance of a building permit, the reason being is that the FCC highly regulates our industry and wireless communications, as was alluded to in the previous presentation, are spectrum-based. So, for that reason, Verizon has license to the spectrum that it utilizes. For that reason, we have confidence that it's not going to interfere with any of the existing wireless communications in the Village.

So, having said that, we will provide that letter, you know, prior to having the BP issued, but we don't see any reason for that delay.

CHAIRMAN LORENZINI: Okay, thank you. Latika, Staff report?

## DRAFT

MS. BHIDE: Thank you. The Petitioner is seeking a special use permit for a rooftop wireless antenna. Along with it, they are seeking two variations, one from the requirement to provide a parking study, and second, to allow for a screen wall of eight-foot 11 inches and a six-foot tall fence for the equipment shelter.

As you can see, the property is located at 800 West Oakton. This is an Institutional zoned property, it's approximately 73 acres in area. The northern portion of the site is an independent senior living development, the Luther Village. The southern portion where the antenna is proposed to be located has various components including a skilled nursing facility, a memory support wing, senior assisted living, daycare, and a chapel.

So, Verizon Wireless would like to install a rooftop cellular antenna at Lutheran Home. As the Petitioner stated, the antenna will be within a fiberglass enclosure, which would be an extension of the elevator shaft for the penthouse. The proposed enclosure is 10-foot in height, and the overall height of the building, the lower penthouse, the elevator shaft, and then this extension will be 70 feet to the highest point. The antenna will be located approximately 350 feet inside from Oakton Street, and approximately 465 feet from Kennicott Boulevard to the west.

In addition to the rooftop antenna, there's two pieces of equipment on the ground. One is a generator, which is screened behind the screen wall, which needs a variation. Then there is an equipment shelter on the west side of the building. It's kind of hard to see the site plan but it shows both the ground shelter or the ground equipment and the generator as well as the rooftop mounting. This is --

So, the Petitioner had initially applied for what's called a special use waiver, which is something they can apply for for antennas for co-location. But the Department rejected the waiver because the number of antennas was increasing substantially which is one of the criteria in the waiver. It will project more than 12 feet from the highest point of the roofline of the building and we were not sure if it would blend with the building.

Verizon then indicated to us that they have evaluated other alternatives, you know, including existing buildings, a new tower or locating it on the water tank. They feel that this site provides the most concealment as the antennas are behind the screen wall, which could match the paint on the penthouse.

As the antennas are located deep within the site, they're far away from the right of way. Because of the stealth application, the Staff Development Committee does recommend the approval of this special use. As you can see on the elevations here, you know, the antenna shroud as it's called is on top of that penthouse, but you wouldn't really see the antennas because they would be behind that wall.

For the criteria, in addition to the special use criteria, the Petitioner has to demonstrate there is not space

## DRAFT

available on an existing tower. As the Petitioner indicated, they had only three potential locations. One was this site and the others were two B-2 properties, which were directly adjacent to R-3.

The landscaping, since this is a rooftop stealth application, there doesn't need to be any landscaping around the antenna shroud itself. But Staff is recommending that they add additional landscaping along the perimeter of the screen wall to soften the impact of the tall wall. Petitioner has agreed to that.

So, just the coverage plats that were presented by the Petitioner, this is without the existing site. As you can see, it doesn't provide for any reliable coverage in residences. Then the center blue spot there, as you can see, is with the addition of this site and would upgrade what coverage would be available.

The Petitioner did provide some photo simulations. On the left is existing, and the right is how it would look with the proposed antenna shroud. So, this is before and after shots from the street where, because it's so far deep inside the site, it's not really visible. This is along, not Kennicott, Oakton. As you can see, you can see the shroud there and then along Kennicott there.

There are two variations, one is from the requirement to provide a traffic study which is required for a special use. But this has none, the rooftop antenna wouldn't have any impact on the parking spaces, so Staff supports this variation. The second was, you know, the requirement that fences not exceed five feet to allow eight feet 11 inches for the wall for the generator and then six-foot for the equipment shelter.

That being said, the Staff Development Committee does recommend approval of the special use subject to that the stealth wall enclosure/antenna shroud should be designed to match the existing brick facade of the building. Condition number two, which Petitioner has indicated an objection to, is providing a letter from the Northwest Central Dispatch. Third is prior to receiving a permit, submitting any state or federal approvals. Because three trees would be removed, there would be six four-inch caliper replacement trees that would be required, and the Petitioner has indicated they are working with the property owner to provide a good placement for that. Then additional landscaping along the screen wall, and then comply with all federal, state and Village regulations and policies.

CHAIRMAN LORENZINI: Thank you, Latika. Do I have a motion to approve the Staff report into the public record?

COMMISSIONER ENNES: So moved.

COMMISSIONER GREEN: Second.

CHAIRMAN LORENZINI: All in favor?

(Chorus of ayes.)

CHAIRMAN LORENZINI: Opposed?

(No response.)

CHAIRMAN LORENZINI: Okay, let's go to the questions from our Commissioners now. Jay, do you want to start this time?

COMMISSIONER CHERWIN: No, I really don't have any

## DRAFT

questions at this point. I think this, you know, contrasts with the other one and is a perfect example of how we can improve infrastructure in a way that is totally reasonable and isn't obstructing at all to other interests, so I'm not concerned. So, I'm totally supportive.

The one thing I would say is it seems like the Petitioner's request for some relief on the timing for the FCC, I would be in favor of. As long as they get it before the building permit, that would be just fine.

CHAIRMAN LORENZINI: Thank you. John?

COMMISSIONER SIGALOS: I also would like to commend you for, you know, the aesthetic nature that you're going, the path that you're going down rather than just sticking another antenna up on the roof. So, I am very supportive.

Will there be other antennas within this fiberglass structure or just the one for Verizon?

MR. DUEHREN: It will just be Verizon.

COMMISSIONER SIGALOS: Just Verizon. So, you're going through a considerable expense to camouflage and hide the antenna. I commend you for it and I'm in favor of the project, thank you.

CHAIRMAN LORENZINI: George?

COMMISSIONER DROST: From the last petition, this really brings up the point of a need to really look at our telecommunication tower ordinances because having a traffic study for a tower, I mean that is --

COMMISSIONER GREEN: It was air traffic, George, air traffic.

COMMISSIONER DROST: The other point about landscaping on a 60-foot building, on the rooftop, that may be okay in some circumstances. But I think it is not intuitive really from that standpoint, and that's not to affect your project but I think it makes a greater point that we need to really look at these towers.

The question I do have for the Petitioner, and we had aesthetics as part of it and looking at some of the photographs, when you're dealing with Lutheran Life Communities, did they negotiate a cross on the enclosure or put a cross on top of the shroud?

MR. DUEHREN: They did not. No, so it will just be blended to match the existing.

COMMISSIONER DROST: Okay, so there's no cross, because there's a number of crosses on campus, and this one will be a higher one to affix.

CHAIRMAN LORENZINI: They should have hired you, George.

COMMISSIONER DROST: No, just tongue in cheek there. I have no further comment.

CHAIRMAN LORENZINI: Thank you. Bruce?

COMMISSIONER GREEN: Just to make the same comment, I think you guys have done a wonderful job. When we first heard about this in Plat & Sub, it was really sort of a no brainer. It was a good idea, what you're doing, and again good job.

## DRAFT

I agree with Jay that the issuance of a building permit should be substituted for Village Board consideration.

CHAIRMAN LORENZINI: Thank you. Terry?

COMMISSIONER ENNES: A couple of quick questions, Mr. Dolan. Will you be doing the construction? Will your company be doing the construction or will Lutheran Home do the construction of the shroud?

MR. DOLAN: So, Verizon Wireless will contract out to do the construction.

COMMISSIONER ENNES: So, as the tenant to them, you'll be responsible for building out the shroud?

MR. DOLAN: Yes, that is correct.

COMMISSIONER ENNES: There will be no antennas up above it, so it will be totally hidden and enclosed?

MR. DOLAN: That is correct.

COMMISSIONER ENNES: Bruce, I'm not sure if I understood you when you say that you're agreeable to having the letter from the Northwest Dispatch provided with the building permit, or prior to?

COMMISSIONER GREEN: Yes, prior, yes.

COMMISSIONER ENNES: Okay.

COMMISSIONER GREEN: The number two, the one that they requested.

COMMISSIONER ENNES: Latika, on number three, that permit that you're referring to, is that also the building permit?

MS. BHIDE: That's correct.

COMMISSIONER ENNES: Okay. Then I would agree with that also, and I do think it's a good project.

CHAIRMAN LORENZINI: Lynn?

COMMISSIONER JENSEN: Yes, I think it's an excellent project. I commend you and I certainly agree with delaying, using as the trigger point getting your building permit as opposed to going to the Village Board. So, I think it's a great project.

CHAIRMAN LORENZINI: I think it's a good project also. But one question, is your 70-foot tower going to work when the other guy needed 100?

MR. DOLAN: So, it is. I mean I'll be honest, initially Verizon was looking for more height. That's sort of the nature of the business is, you know, the taller the better. But at the same time, you know, we understand that you have to take into account the context of where you're locating. You can't just put a tower anywhere. Within those limitations, you know, 65 feet will more than suffice.

CHAIRMAN LORENZINI: Okay, thank you. Okay, any comments or questions from the audience? Anybody? No? Okay, if not, we'll close that portion of the hearing and go back to the Commissioners for more questions or recommendations.

COMMISSIONER ENNES: I'd like to make a motion.

## DRAFT

A motion to recommend to the Village Board of Trustees approval of PC #15-009, a Special Use Permit for a rooftop wireless antenna; a Variation from Chapter 28, Section 6.12-1, from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer; and a Variation from Chapter 28, Section 6.13, from the requirement that fences shall not exceed a height of five feet to allow eight feet 11 inches and a six-foot fence for the equipment shelter.

This approval is contingent upon compliance with the recommendation of the Plan Commission and the following recommendations detailed in the Staff Development Committee report dated July 17, 2015:

### Recommendation

The Staff Development Committee has reviewed the Petitioner's request and recommends approval of the Special Use request for a rooftop wireless antenna, subject to the following conditions:

1. The stealth wall enclosure/antenna shroud shall be designed to match the existing brick facade of the building.
2. Prior to issuance of the building permit, provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
3. Prior to receiving a permit, submit any required state or federal approvals.
4. Landscaping along the perimeter of the proposed screen wall for the generator pad shall be provided. Six four-inch caliper replacement trees as required per the ordinance shall be provided.
5. The Petitioner shall comply with all federal, state and Village codes, regulations and policies.

CHAIRMAN LORENZINI: Is there a second?

COMMISSIONER SIGALOS: I'll second that.

CHAIRMAN LORENZINI: Roll call vote please.

MS. BHIDE: Commissioner Drost.

COMMISSIONER DROST: Aye.

MS. BHIDE: Commissioner Ennes.

COMMISSIONER ENNES: Aye.

MS. BHIDE: Commissioner Green.

COMMISSIONER GREEN: Yes.

MS. BHIDE: Commissioner Jensen.

COMMISSIONER JENSEN: Yes.

MS. BHIDE: Commissioner Sigalos.

COMMISSIONER SIGALOS: Yes.

MS. BHIDE: Commissioner Cherwin.

COMMISSIONER CHERWIN: Yes.

**DRAFT**

MS. BHIDE: Chairman Lorenzini.

CHAIRMAN LORENZINI: Yes. Congratulations, you've got a unanimous approval. Is there a date this is going to go to the Board of Trustees?

MS. BHIDE: Again, I will communicate with the Petitioner but I don't have a date for that yet.

CHAIRMAN LORENZINI: Okay, thank you. Congratulations.

MR. DOLAN: Thank you.

MR. DUEHREN: Thank you very much.

CHAIRMAN LORENZINI: Any other business? Additional items, Latika? Our next meeting, do we have a date for that?

MS. BHIDE: August 12th will be the next meeting.

CHAIRMAN LORENZINI: Okay, very good. Okay, do I have a motion to adjourn?

COMMISSIONER DROST: I'll make that motion.

COMMISSIONER GREEN: Second.

CHAIRMAN LORENZINI: All in favor?

(Chorus of ayes.)

CHAIRMAN LORENZINI: Good night. Thank you, everybody.

(Whereupon, the meeting on the above-mentioned petition was adjourned at 8:39 p.m.)





Verizon Rooftop Antenna at Lutheran Home  
800 W. Oakton  
Prepared by: The Village of Arlington Heights  
Department of Planning & Community Development  
April 2015



CONSULTANT TEAM

PROJECT CONSULTANT: TERRA CONSULTING GROUP, LTD.  
600 BUSSE HIGHWAY  
PARK RIDGE, IL 60068  
(847) 698-6400

STRUCTURAL ENGINEER: HUTTER FRANKINA ENGINEERING,  
PC 32 W 273 ARMY TRAIL ROAD,  
SUITE 100 WAYNE, IL 60184

SURVEYOR: THOMSON SURVEYING  
LTD. 9575 W. HIGGINS  
ROAD SUIT 850  
ROSEMONT, IL 60018  
TEL: (847) 318-9790

APPROVALS

REAL ESTATE:

RF:

CONSTRUCTION:

OPERATIONS:

EQUIPMENT ENGINEERING:

PROJECT TYPE:

PROPOSED LESSEE ANTENNAS TO BE MOUNTED ON EXISTING  
PENTHOUSE WITH PROPOSED EQUIPMENT ENCLOSURE AT BASE.

SITE COORDINATES:

LATITUDE: 42° 05' 48.05" N (FROM 1A)  
LONGITUDE: 87° 59' 35.34" W (FROM 1A)  
ELEVATION: ±720' (FROM 1A)

DRIVING DIRECTIONS:  
1. START OUT GOING EAST ON E WOODFIELD RD TOWARD MALL DR.  
2. TURN LEFT ONTO E FRONTAGE RD. 3. TURN SLIGHT LEFT TO TAKE  
THE IL-53 N/I-90 W/I-290 E/I-90 E RAMP. 4. KEEP LEFT AT THE FORK IN  
THE RAMP. 5. MERGE ONTO IL-53 N VIA THE RAMP ON THE LEFT. 6.  
TAKE THE EUCLID AVE E EXIT. 7. MERGE ONTO EUCLID AVE. 8. TURN  
LEFT ONTO N WILKE RD. N WILKE RD IS 0.6 MILES PAST SWAN LN 9.  
TURN RIGHT ONTO W OAKTON ST. 10. 800 W OAKTON ST IS ON THE  
LEFT.

EQUIPMENT ENCLOSURE:

FIBREBOND

1300 Davenport Drive, Minden, Louisiana 71055 318-377-1030

VICINITY MAP

N.T.S.

REGIONAL MAP

N.T.S.

CHICAGO SMSA

limited partnership

CHICAGO SMSA LIMITED PARTNERSHIP

d/b/a VERIZON WIRELESS

1515 WOODFIELD ROAD, SUITE 1400

SCHAUMBURG, ILLINOIS 60173

PHONE: (847) 619-5397 FAX: (847) 706-7415

LOCATION NUMBER: 282639

SITE NAME: YALE & OAKTON

800 W OAKTON ST

ARLINGTON HEIGHTS, IL 60004

OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR

Call  
Before  
You Dig

JULIE

ILLINOIS  
ONE CALL SYSTEM

CALL JULIE TOLL FREE  
1(800) 892-0123  
48 HOURS BEFORE  
YOU DIG

FULL SCALE PRINT IS ON 24"x36" MEDIA

PROJECT INFORMATION

P.I.N. #:

0319400002

ADDRESS:

800 W OAKTON ST  
ARLINGTON HEIGHTS, IL 60004

UTILITIES:

NATURAL GAS: NICOR  
ANGIE GREGOR  
(630) 878-0768

POWER: COMED

FIBER: AT&T  
VIKI THOMAS

JURISDICTION:

VILLAGE OF ARLINGTON HEIGHTS

OCCUPANCY:

COMMERCIAL

ZONING:

INSTITUTIONAL

CONSTRUCTION TYPE:

ROOF TOP

PROPERTY OWNER:

STEVEN DUCHENE  
3150 SALT CREEK LANE  
ARLINGTON HEIGHTS, IL 60005

APPLICANT:

CHICAGO SMSA  
limited partnership  
d/b/a Verizon Wireless  
1515 WOODFIELD ROAD  
SCHAUMBURG, IL 60173

CONSTRUCTION MANAGER:

MIKE EISENMENGER (847) 732-6053

REAL ESTATE MANAGER:

LISA ESSARY (847) 619-4322

SHEET

DRAWING INDEX

REVISION

T-1

LOCATION PLAN

2

LP

ENGINEERING SITE PLAN

2

C-1

SITE GRADING PLAN (SHEET 1 OF 1)

2

C-2

EQUIPMENT ENCLOSURE FOUNDATION PLAN

-

C-3

GENERATOR DETAILS

2

C-4

SCREEN WALL DETAILS

-

C-5

FENCE DETAILS

-

ANT-1

SITE ELEVATION

1

ANT-1A

SITE ELEVATION

2

ANT-2

ANTENNA INFORMATION

1

ANT-3

ANTENNA MOUNTING DETAILS

-

ANT-4

ANTENNA MOUNTING DETAILS

-

S-1

ENLARGED SITE PLAN

-

S-2

PENTHOUSE FRAMING PLAN SECTIONS AND DETAILS

-

B-1

EQUIPMENT ENCLOSURE PLAN AND SECTION

-

B-2

EQUIPMENT ENCLOSURE ELEVATIONS

-

E-1

UTILITY ROUTING PLAN

2

E-1A

UTILITY ROUTING PLAN

2

E-2

SITE GROUNDING PLAN

-

E-3

ELECTRICAL AND GROUNDING DETAILS

-

E-4

ELECTRICAL AND GROUNDING DETAILS

2

E-5

GENERATOR GROUNDING AND ROUTING LINES

-

SP-1

SPECIFICATIONS

-

SP-2

SPECIFICATIONS

-

L-1

TREE SURVEY

4.

SE-1

SITE EXHIBIT

-

SE-2

SITE EXHIBIT

-

LOC. #282639

YALE & OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

DRAWN BY:

LRB

CHECKED BY:

TAZ

DATE:

11/19/14

PROJECT #:

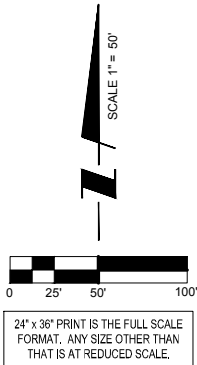
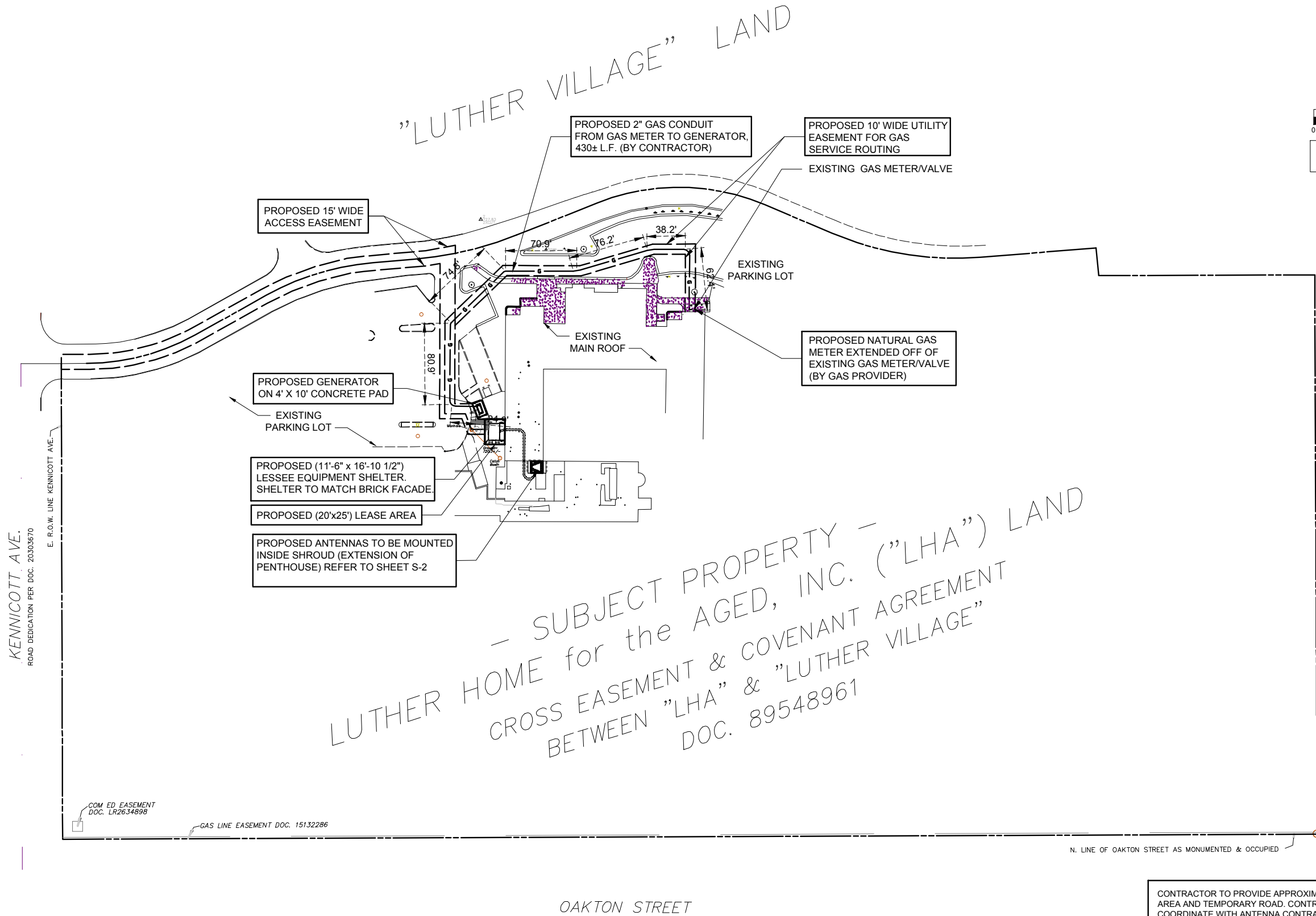
33-1607

SHEET TITLE

TITLE SHEET

SHEET NUMBER

T-1



**CHICAGO S<sup>MSA</sup>**  
limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                            | DATE     | BY     |
|-----------|----------------------------|----------|--------|
| NO.       | DESCRIPTION                |          | LRB/LS |
| 1.        | ISSUED FOR REVIEW          | 11/21/14 | LS     |
| 2.        | UPDATE ECR                 | 03/20/15 | LS     |
| 3.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 4.        | UPDATE NATURAL GAS         | 05/19/15 | DMS    |
|           | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE

LOCATION PLAN

SHEET NUMBER

LP

OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR



**Thomson Surveying Ltd.**  
9575 W. Higgins Road, Suite 850  
Rosemont, IL. 60018  
TEL: (847) 318-9790  
FAX: (847) 318-9792

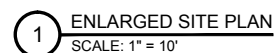
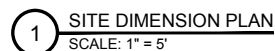
1 LOCATION PLAN  
SCALE: 1" = 50'

CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT. CONTRACTOR SHALL PHOTOGRAPH AND VIDEOTAPE EXISTING PAVEMENT PRIOR TO CONSTRUCTION. ANY DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPLACED TO EXISTING OR BETTER CONDITION AT NO ADDITIONAL COST.

THE CONTRACTOR WILL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL INVESTIGATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLANS AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING, AS REQUIRED ABOVE, OF SUCH DIFFERING SUBSURFACE CONDITIONS.

CONTRACTOR TO PROVIDE APPROXIMATE 50'x50' STAGING AREA AND TEMPORARY ROAD. CONTRACTOR SHALL COORDINATE WITH ANTENNA CONTRACTOR, A STAGING AREA AND TEMPORARY ROAD THAT IS ACCEPTABLE TO THE OWNER. STAGING AREA AND TEMPORARY ROAD SHALL BE RESTORED TO EXISTING CONDITIONS AS NECESSARY UPON COMPLETION OF THE PROJECT.

BEFORE AND DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE EROSION CONTROL AS NECESSARY IN THE FORM OF SILT FENCES FOR THE SITE AND BALES AROUND ANY EXISTING MANHOLES, INLETS, OR CATCHBASINS SUSCEPTIBLE TO EROSION. EROSION CONTROL MEASURES SHALL BE PERIODICALLY INSPECTED TO ENSURE PROPER FUNCTION. EROSION CONTROL SHALL BE REMOVED UPON COMPLETION OF WORK.



**C-1**



| REVISIONS |                            | DATE     | BY     |
|-----------|----------------------------|----------|--------|
| NO        | DESCRIPTION                |          | LRB/LS |
| 1.        | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |
| 2.        | UPDATE ECR                 | 03/20/15 | LS     |
| 3.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 4.        | UPDATE NATURAL GAS         | 05/19/15 | DMS    |
|           | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |

LOC. #282639

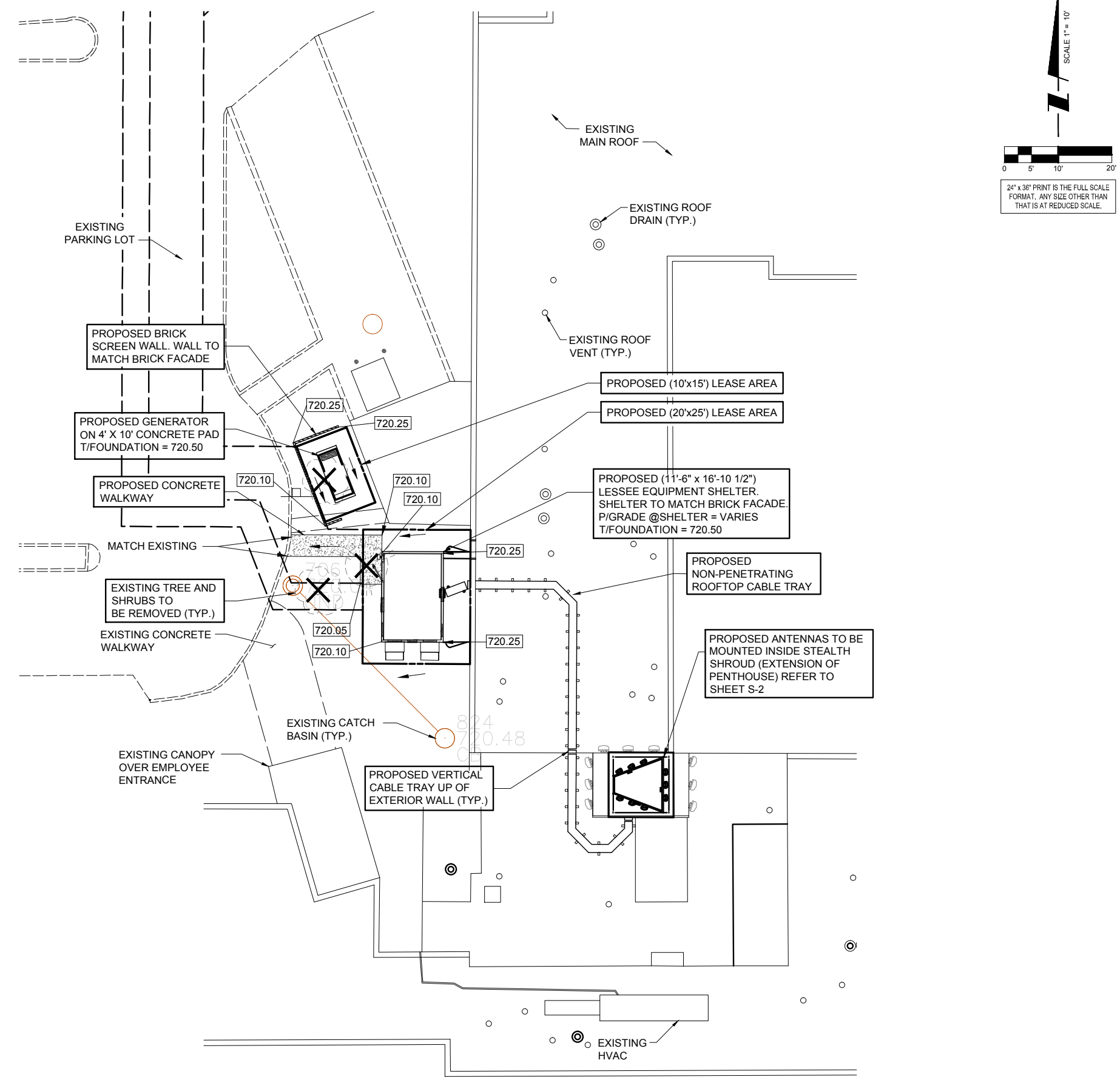
**YALE & OAKTON**

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
**SITE GRADING PLAN**  
(SHEET 1 OF 1)

SHEET NUMBER  
**C-2**



**1 SITE GRADING PLAN**  
SCALE: 1" = 10'

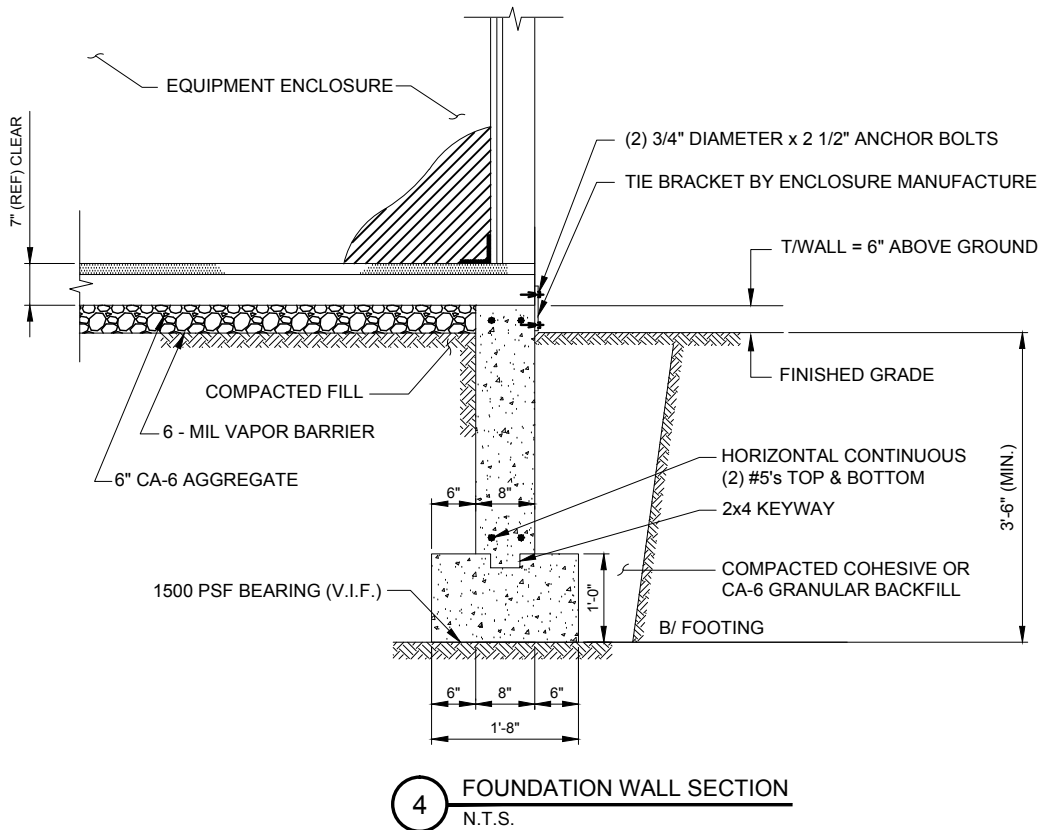
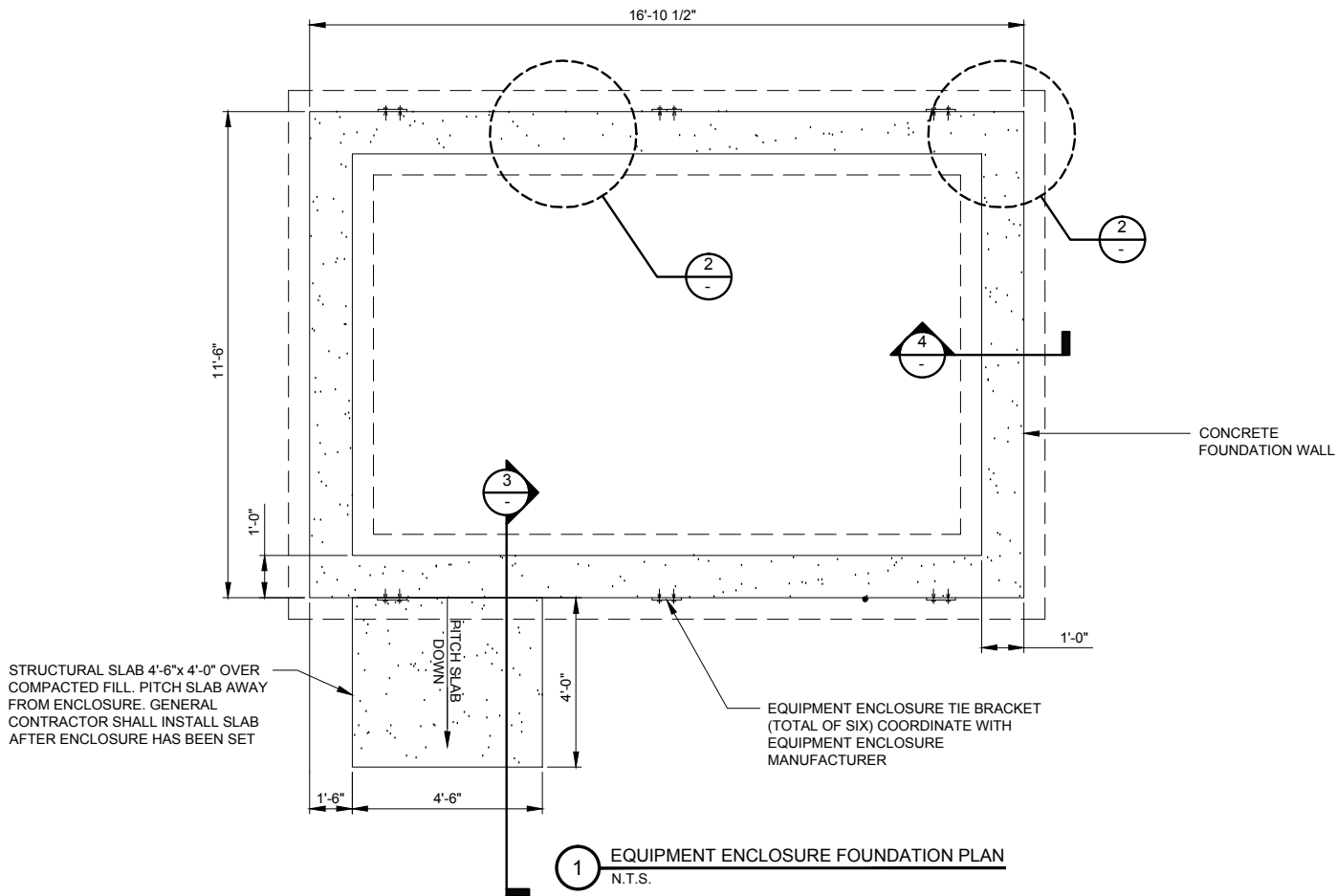
OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR

**Call Before You Dig**

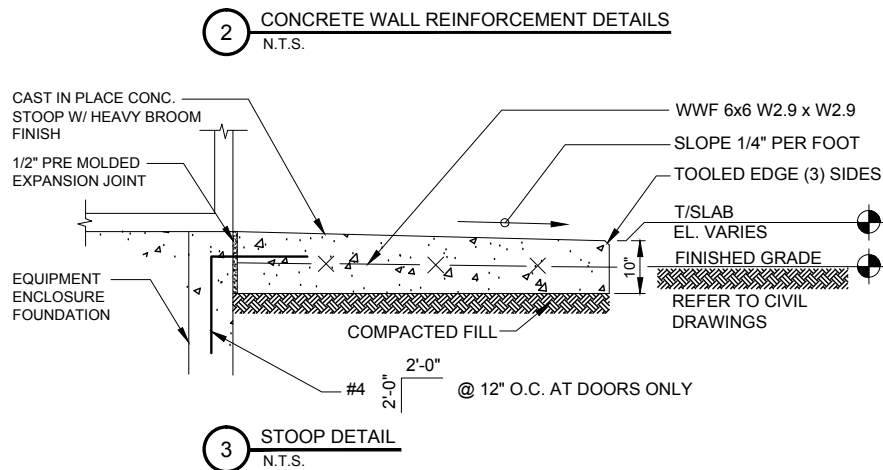
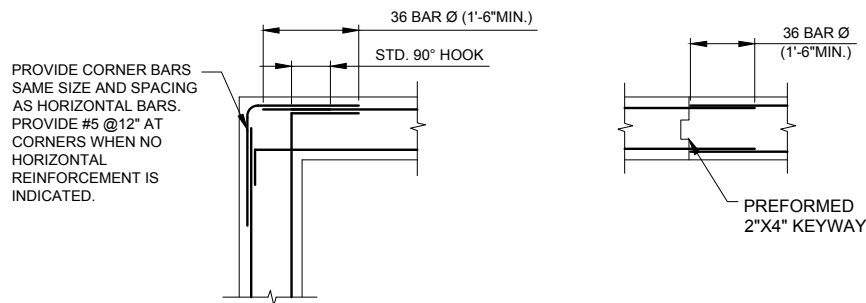
**JULIE**  
ILLINOIS  
ONE CALL SYSTEM

CALL JULIE TOLL FREE  
1(800) 892-0123  
48 HOURS BEFORE  
YOU DIG

**Thomson Surveying Ltd.**  
9575 W. Higgins Road, Suite 850  
Rosemont, IL 60018  
TEL: (847) 318-9790  
FAX: (847) 318-9792



NOTE:  
LOCALIZED AREAS OF SOFT OR LOOSE MATERIALS MAY BE ENCOUNTERED AT THE PROPOSED BEARING ELEVATION. THE SOILS MAY REQUIRE COMPACTION USING A PLATE COMPACTOR IN THE FOOTING TRENCH IF FIELD CONDITIONS INDICATE LOOSE GRANULAR SOILS. THE SOILS MAY REQUIRE REMOVAL AND REPLACEMENT WITH AN APPROVED ENGINEERED FILL. FOUNDATION DEPTH AND OVER DIG REQUIREMENTS SHALL BE VERIFIED WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND INCLUDED IN THE BID BEFORE CONSTRUCTION. THE EVALUATION OF THE SUB GRADE AND SELECTION OF FILL MATERIALS SHALL BE MONITORED AND TESTED BY A QUALIFIED REPRESENTATIVE OF THE SOILS ENGINEER.



#### A. EQUIPMENT ENCLOSURE FOUNDATION

- REFER TO CIVIL DRAWINGS FOR ORIENTATION OF THE FOUNDATIONS.
- EQUIPMENT ENCLOSURE FOUNDATION IS DESIGNED FOR THE FOLLOWING LOADS:  
ENCLOSURE DEAD LOAD: 70,000 LBS.  
ROOF LIVE LOAD: 30 PSF  
FLOOR LIVE LOAD: 125 PSF
- THE CONTRACTOR SHALL NOTIFY THE CLIENT'S GEOTECHNICAL ENGINEER TO COORDINATE HAVING A FIELD REPRESENTATIVE ON SITE FOR TESTING AND INSPECTION.
- FOOTINGS SHALL BEAR ON VIRGIN SOIL OR COMPACTED FILL MATERIAL CAPABLE OF SUPPORTING A MINIMUM SOIL BEARING PRESSURE OF 1500 PSF.
- SUBGRADE PREPARATION:  
A. REMOVE ALL SOILS CONTAINING TOPSOIL: ORGANIC MATERIALS, AND/OR FILL MATERIALS FROM WITHIN AREA OF ENCLOSURE FOUNDATION.  
B. PROOF ROLL RESULTING SUBGRADE WITH A HEAVILY LOADED SINGLE AXLE ROLLER OR SIMILAR VEHICLE. (20 TON LOAD). CONTRACTOR SHALL UNDERCUT AND REPLACE WITH ENGINEERED FILL. ALL LOOSE SOFT OR UNSTABLE AREAS REVEALED DURING PROOFROLLING AS DIRECTED BY THE TESTING AGENCY. CONTRACTOR SHALL INCLUDE ANTICIPATED UNDERCUT AND REPLACEMENT AS INDICATED IN THE GEOTECHNICAL REPORT AS PART OF THE BID.  
C. BACKFILL AND COMPACT THE AREA WITHIN THE BUILDING FOUNDATION. BETWEEN RESULTANT SUBGRADE AND FOUNDATION WALL WITH APPROVED GRANULAR MATERIAL.
- FOUNDATION WALLS SHALL BE BACKFILLED EVENLY ON EACH SIDE OF THE WALL OR WALLS SHALL BE ADEQUATELY BRACED BY THE CONTRACTOR UNTIL FLOOR SLAB HAS BEEN PLACED AND CURED FOR 72 HOURS MINIMUM.
- ENCLOSURE SHALL NOT BE SET UNTIL FLOOR SLAB HAS BEEN CURED FOR 72 HOURS MINIMUM.
- CONTRACTOR TO ENSURE FOUNDATION / SLAB ARE POURED TO MEET FLATNESS LEVEL TOLERANCES AS INDICATED IN ACI 4.5.6 AND 4.5.7.

#### B. EQUIPMENT ENCLOSURE

THE EQUIPMENT ENCLOSURE IS A PRE-FABRICATED BUILDING MANUFACTURED BY FIBREBOND, MINDEN, LOUISIANA.  
THE EQUIPMENT ENCLOSURE BUILDING SHALL BE FURNISHED AND INSTALLED BY THE OWNER UNDER SEPARATE CONTRACT PER THE OWNER AND MANUFACTURER SPECIFICATIONS.

#### C. CONCRETE NOTES

- ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 AND ACI 301, LATEST EDITION. THESE DOCUMENTS SHALL BE AVAILABLE IN THE FIELD OFFICE.
- EXCEPT WHERE OTHERWISE INDICATED, CONCRETE SHALL BE NORMAL WEIGHT AND WITH MINIMUM 28-DAY COMPRESSIVE STRENGTHS OF  $F_c=4000$  PSI. ALL EXTERIOR EXPOSED CONCRETE SHALL BE AIR ENTRAINED.
- REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60. ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| NO | DESCRIPTION                | DATE     | BY     | REVISIONS |
|----|----------------------------|----------|--------|-----------|
|    |                            |          |        |           |
| 1. | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |           |
| 2. | UPDATE ECR                 | 03/20/15 | LS     |           |
| 3. | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |           |
| 4. | UPDATED NATURAL GAS        | 05/19/15 | DMS    |           |
|    | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |           |

LOC. #282639

YALE &  
OAKTON

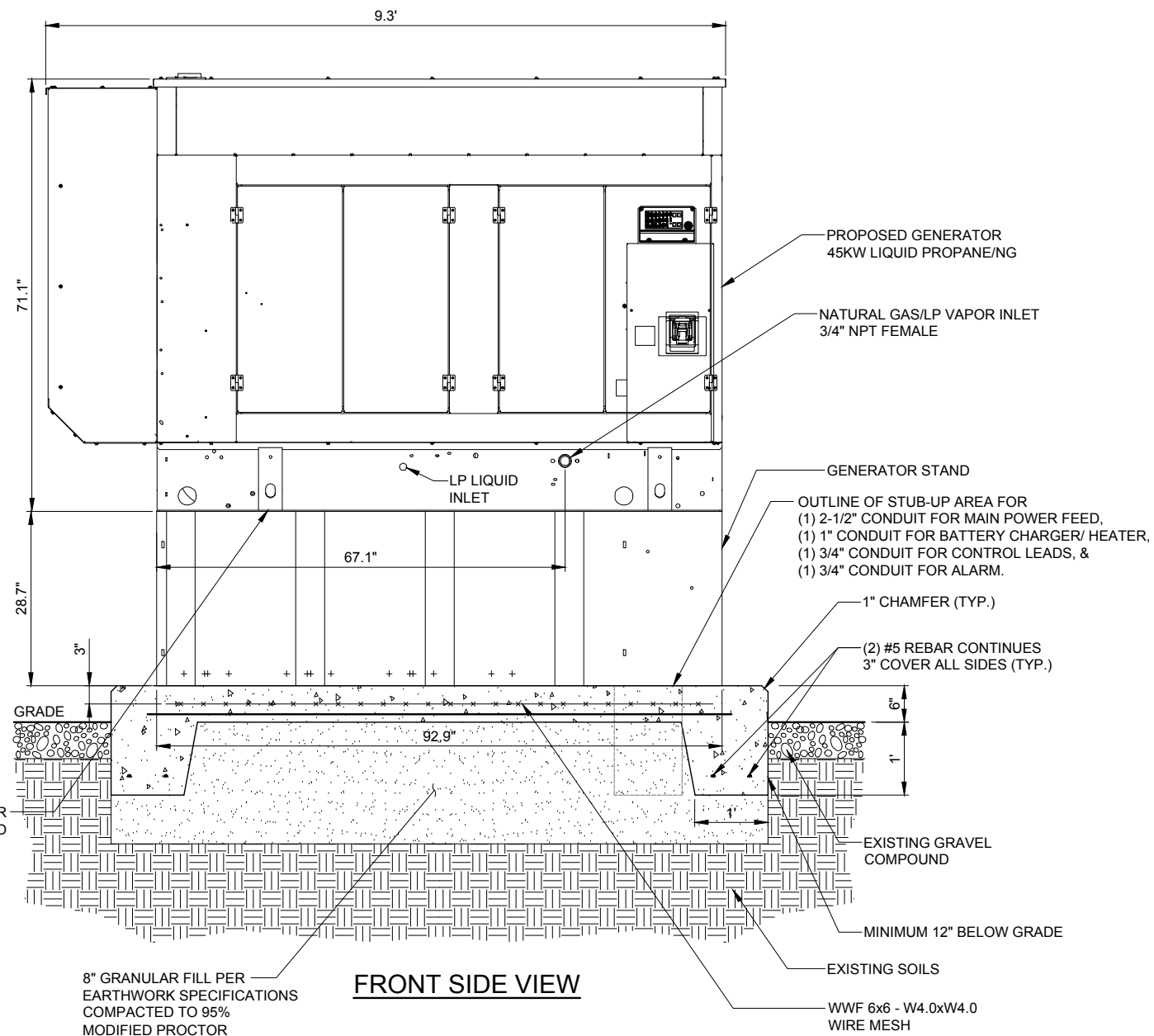
800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
EQUIPMENT  
ENCLOSURE  
FOUNDATION PLAN

SHEET NUMBER

**C-3**



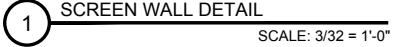
2 TYPICAL GENERAC FOUNDATION DETAIL  
SCALE: 1" = 1'

1. SEE GENERATOR MANUFACTURE'S DRAWINGS FOR PHYSICAL LOCATION OF FUEL LINES, CONTROL AND POWER INTERCONNECTIONS AND OTHER INTERFACES THAT ARE TO CAST INTO THE CONCRETE. THE PREFERRED METHOD IS TO BRING THE CONDUIT THROUGH THE PAD TO THE UNDERSIDE OF THE GENERATOR (MINIMIZES RODENT DAMAGE). FINISH CONNECTIONS WITH FLEXIBLE CONDUIT PER GENERATOR MANUFACTURES SPECS. RIGID CONDUITS SHALL BE SECURED TO THE EXISTING SLAB, THEN BURIED BETWEEN SLAB AND SHELTER.
2. -THE GENERATOR SHALL BE LOCATED A MIN 5' AWAY FROM A COMBUSTIBLE WALL.  
-THE GENERATOR SHALL BE LOCATED A MIN OF 3' AWAY FROM A NON-COMBUSTIBLE WALL.

**C-4**

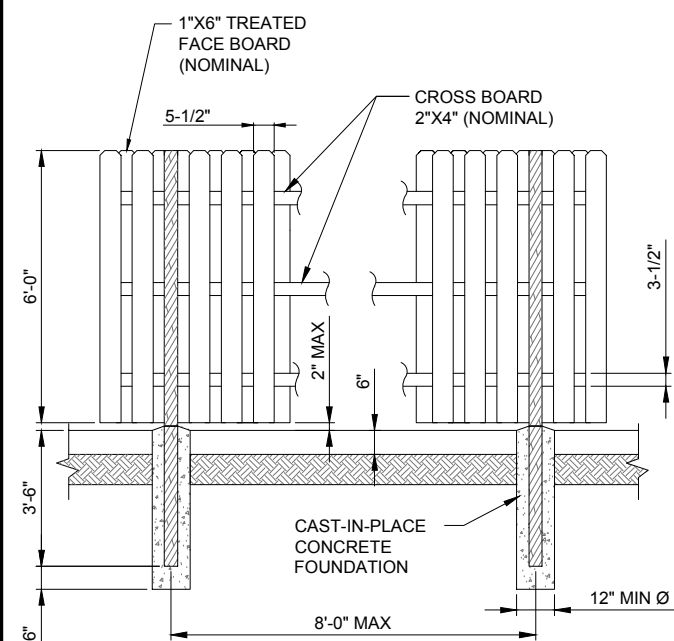
**CHICAGO  
SMA**  
*limited partnership*  
d/b/a VERIZON WIRELESS



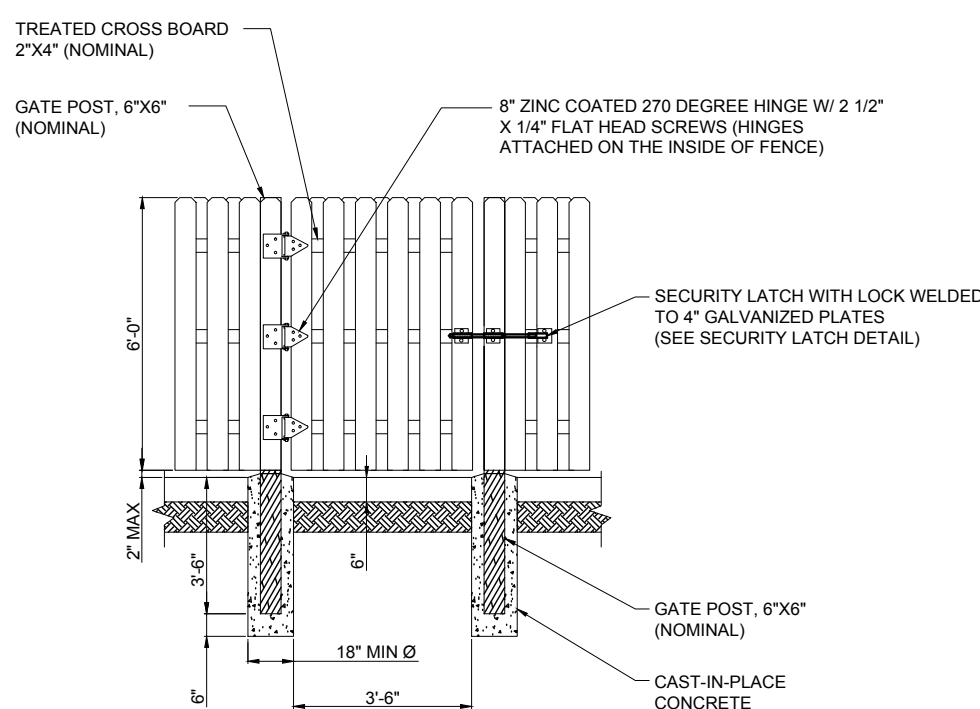


SHEET NUMBER

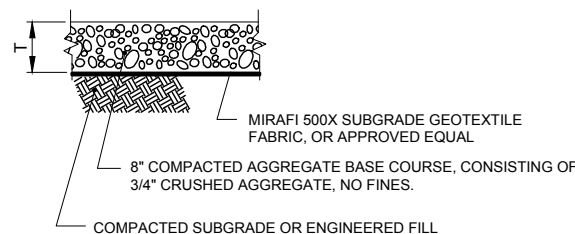
**C-5**



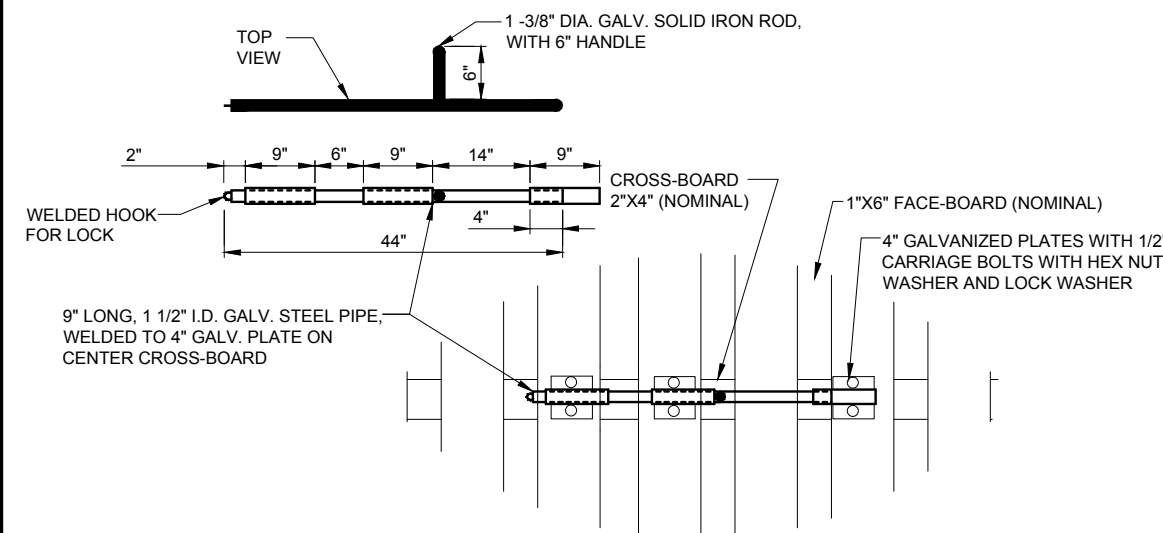
1 WOOD POST  
SCALE: N.T.S.



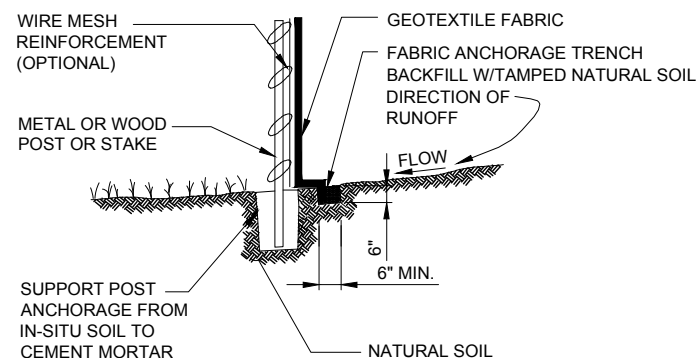
2 4'-0" SWING GATE  
SCALE: N.T.S.



4 AGGREGATE CROSS-SECTION  
N.T.S. LEASE SITE

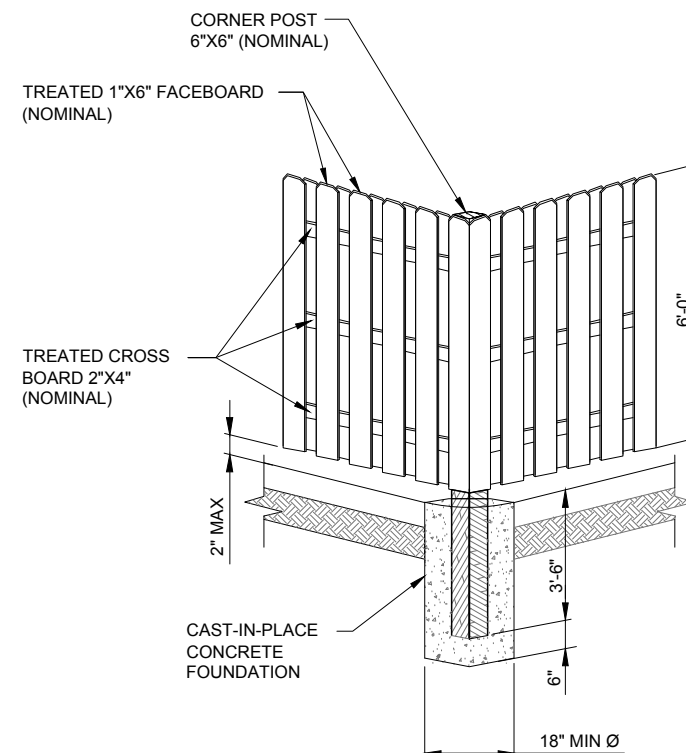


5 SECURITY LATCH  
SCALE: N.T.S.



NOTE:  
DEPENDING UPON CONFIGURATION, ATTACH FABRIC TO WIRE MESH W/HOG RINGS, STEEL POSTS W/ TIE WIRES, WOOD POSTS W/ NAILS.

6 EROSION CONTROL SILT FENCE DETAIL  
N.T.S.



3 CORNER POST  
SCALE: N.T.S.

CONTRACTOR TO PROVIDE A 12"x12" CUT-OUT IN THE TREATED FENCING OPPOSITE THE METER LOCATION FOR METER READING. FRAME OUT THE CUT-OUT WITH TREATED 2x4's ON INSIDE OF FENCE PRIOR TO MAKING PENETRATION.

NOTE:  
FACE BOARDS CAN BE NAILED OR SCREWED TO CROSS BOARDS ALL CROSS BOARDS WILL BE SCREWED TO POSTS ALL CONCRETE FOOTINGS SHALL BE 6.1 BAG MIX 2500 PSI CONCRETE

#### GENERAL NOTES

- 1) REFER TO THE PROJECT MANUAL FOR ADDITIONAL INFORMATION AND REQUIREMENTS RELATED TO CONSTRUCTION.
- 2) THE OWNER HAS CAUSED A GEOTECHNICAL EXPLORATION TO BE PERFORMED AT THE SITE.
- 3) THE CONTRACTOR SHALL NOTIFY THE CLIENT'S GEOTECHNICAL ENGINEER TO COORDINATE HAVING A FIELD REPRESENTATIVE ON SITE FOR TESTING AND INSPECTION.

COPIES OF THE REPORT ARE ISSUED TO THE CONTRACTOR FOR CONVENIENCE ONLY. THE REPORT IS NOT A PART OF THE CONTRACT DOCUMENTS. NEITHER THE OWNER NOR THE ENGINEER/ARCHITECT GUARANTEE THE ACCURACY OR VALIDITY OF THE DATA CONTAINED THEREIN, NOR DO THEY ASSUME ANY RESPONSIBILITY FOR THE CONTRACTOR'S USE OR INTERPRETATION OF THE DATA CONTAINED THEREIN.

| GEOTEXTILE PARAMETERS                        |                   |                |
|----------------------------------------------|-------------------|----------------|
| PROPERTY                                     | MINIMUM VALUE (a) | TEST METHOD    |
| GRAB STRENGTH                                | 180 LBS.          | ASTM D-4632-91 |
| PUNCTURE STRENGTH                            | 75 LBS.           | ASTM D-4833-88 |
| BURST STRENGTH                               | 290 LBS.          | ASTM D-3786    |
| TRAPEZOIDAL TEAR                             | 50 LBS.           | ASTM D-4571-87 |
| (a) ALL VALUES REPRESENT MINIMUM ROLL VALUES |                   |                |

NOTES:  
THE FABRIC SHOULD BE PLACED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. INTERSECTIONS OF SHEETS MUST BE SEWN OR SUFFICIENTLY OVERLAPPED (AT LEAST 24 INCHES) OR AS SPECIFIED BY THE MANUFACTURER). THE GEOTEXTILE SHEETS SHOULD ALSO BE PLACED TAUT TO REDUCE WRINKLES OR FOLDS. CARE MUST BE EXERCISED TO PREVENT PHYSICAL DAMAGE OF THE GEOTEXTILE PRIOR TO, DURING AND AFTER INSTALLATION. UTILITIES SHOULD BE INSTALLED BEFORE PLACING THE FABRIC.

**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                            |          |        |  |  |  |
|-----------|----------------------------|----------|--------|--|--|--|
| NO.       | DESCRIPTION                | DATE     | BY     |  |  |  |
| -         | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |  |  |  |
| 1.        | UPDATE ECR                 | 03/20/15 | LS     |  |  |  |
| 2.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |  |  |  |
| 3.        | UPDATED NATURAL GAS        | 05/19/15 | DMS    |  |  |  |
| 4.        | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |  |  |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE

FENCE  
DETAIL

SHEET NUMBER

**C-6**



PROPOSED ANTENNAS TO BE MOUNTED INSIDE STEALTH ENCLOSURE (EXTENSION OF PENTHOUSE) SEE SHEET S-2

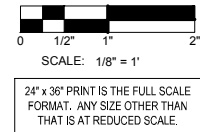
OVERALL HEIGHT  
ELEV: 70'-0"± A.G.L.  
CENTER OF PROPOSED LESSEE ANTENNA  
ELEV: 65'-0"± A.G.L.  
TOP OF EXISTING PENTHOUSE  
ELEV: 60'-0"± A.G.L.

EXISTING OTHER CARRIER ANTENNAS MOUNTED TO OUTSIDE OF EXISTING PENTHOUSE WALL (TYP.)

ROOF ELEVATION  
ELEV: 41'-0" A.G.L.

EXISTING GRADE

1 EAST ELEVATION  
SCALE: 1/8" = 1'-0"



24" x 36" PRINT IS THE FULL SCALE FORMAT. ANY SIZE OTHER THAN THAT IS AT REDUCED SCALE.

PROPOSED ANTENNAS TO BE MOUNTED INSIDE STEALTH ENCLOSURE (EXTENSION OF PENTHOUSE) REFER TO SHEET S-2

OVERALL HEIGHT  
ELEV: 70'-0"± A.G.L.  
CENTER OF PROPOSED LESSEE ANTENNA  
ELEV: 65'-0"± A.G.L.  
TOP OF EXISTING PENTHOUSE  
ELEV: 60'-0"± A.G.L.

PROPOSED WALL MOUNTED VERTICAL CABLE TRAY PAINTED TO MATCH EXISTING BUILDING

EXISTING OTHER CARRIER ANTENNAS MOUNTED TO OUTSIDE OF EXISTING PENTHOUSE WALL (TYP.)

ROOF ELEVATION  
ELEV: 41'-0" A.G.L.

EXISTING GRADE

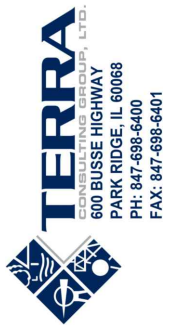
PROPOSED GENERATOR ON 4'x10' CONCRETE PAD BEHIND BRICK SCREEN WALL. WALL TO MATCH BRICK FACADE.

PROPOSED UTILITY H-FRAME

PROPOSED (11'-6" x 16'-10 1/2") LESSEE EQUIPMENT SHELTER. SHELTER TO MATCH BRICK FACADE.

2 WEST ELEVATION  
SCALE: 1/8" = 1'-0"

**CHICAGO SMTA**  
*limited partnership*  
d/b/a VERIZON WIRELESS



| REVISIONS |  | DESCRIPTION                | DATE     | BY     |
|-----------|--|----------------------------|----------|--------|
|           |  | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |
| 1.        |  | UPDATE ECR                 | 03/20/15 | LS     |
| 2.        |  | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 3.        |  | UPDATED NATURAL GAS        | 05/19/15 | DMS    |
| 4.        |  | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |

LOC. #282639

**YALE & OAKTON**

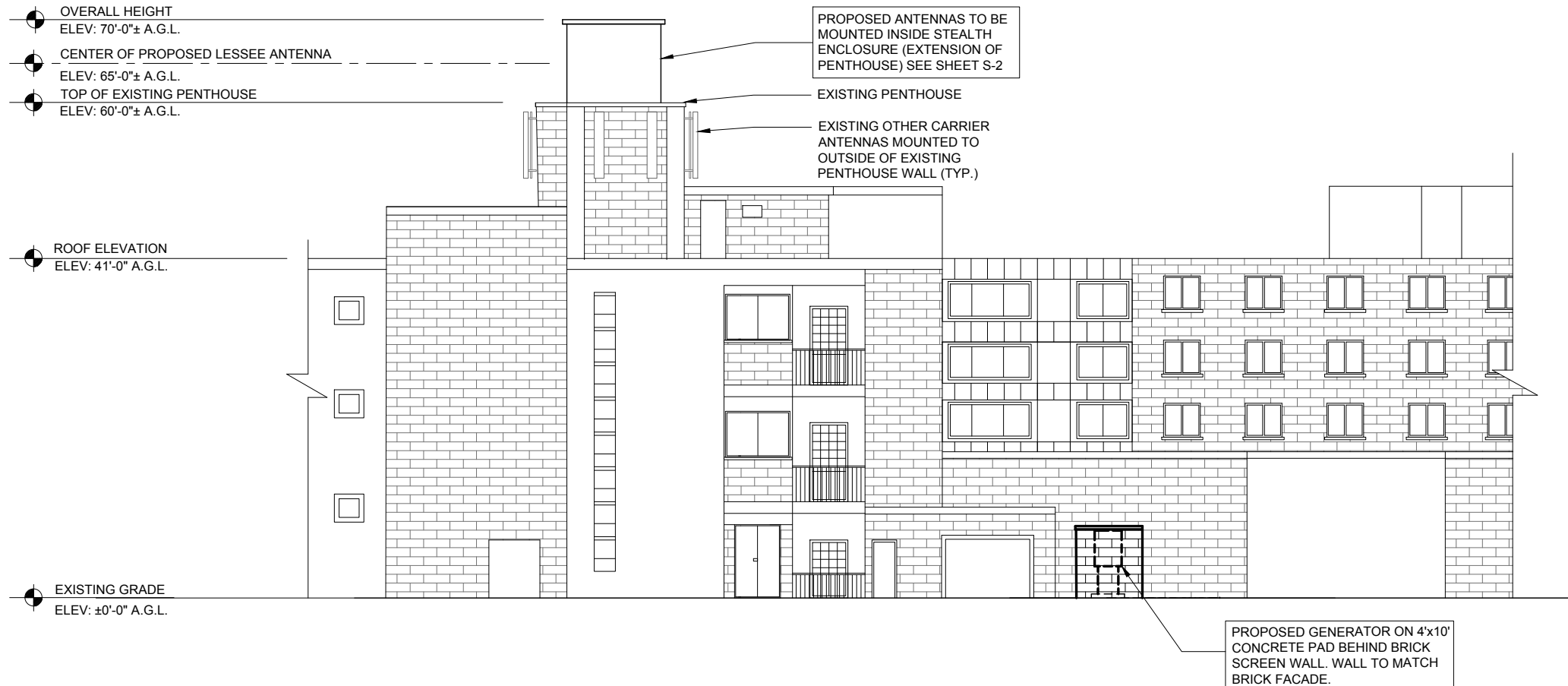
800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

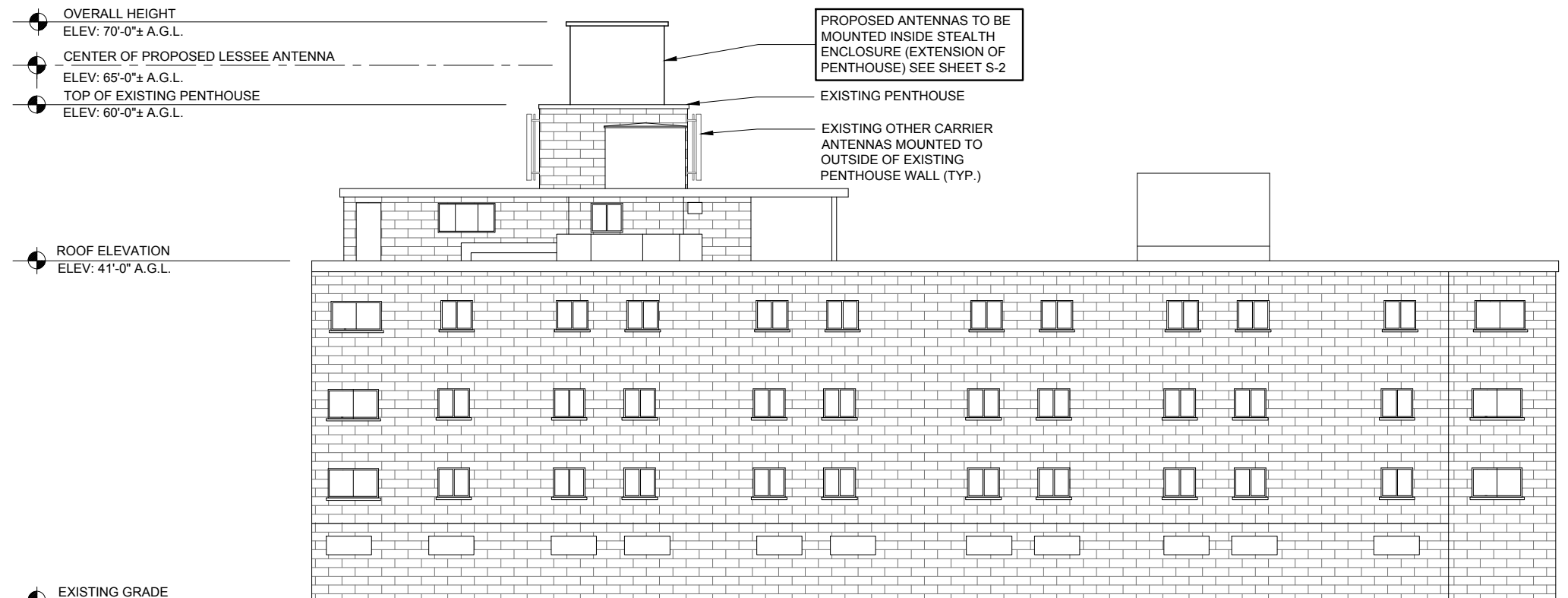
SHEET TITLE  
**SITE ELEVATION**

SHEET NUMBER

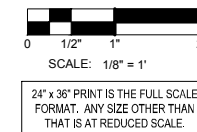
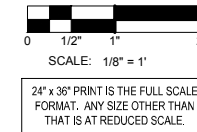
**ANT-1**



1 NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



2 SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



| REVISIONS |                            | DATE     | BY     |
|-----------|----------------------------|----------|--------|
| NO        | DESCRIPTION                | 11/21/14 | LRB/LS |
| 1         | ISSUED FOR REVIEW          | 03/20/15 | LS     |
| 2         | UPDATE ECR                 | 04/30/15 | LS     |
| 3         | UPDATE PER UTILITY WALK    | 05/19/15 | DMS    |
| 4         | UPDATED NATURAL GAS        | 07/07/15 | JTM    |
|           | ADDITION OF LANDSCAPE PLAN |          |        |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
SITE ELEVATION

SHEET NUMBER  
**ANT-1A**

**CHICAGO**  
**SMSA**  
*limited partnership*  
d/b/a VERIZON WIRELESS

**TERRA**  
CONSULTING GROUP, LTD.  
600 BUSSE HIGHWAY  
PARK RIDGE, IL 60068  
PH: 847-698-6400  
FAX: 847-698-6401



| NO | DESCRIPTION                | DATE     | BY     | LS       | DMS | JTM |  |  |
|----|----------------------------|----------|--------|----------|-----|-----|--|--|
|    |                            |          | LRB/LS |          |     |     |  |  |
| 1. | ISSUED FOR REVIEW          | 11/21/14 |        | 03/20/15 |     |     |  |  |
| 2. | UPDATE ECR                 | 04/30/15 |        | 05/19/15 |     |     |  |  |
| 3. | UPDATE PER UTILITY WALK    | 07/07/15 |        |          |     |     |  |  |
| 4. | UPDATED NATURAL GAS        |          |        |          |     |     |  |  |
|    | ADDITION OF LANDSCAPE PLAN |          |        |          |     |     |  |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
ANTENNA INFORMATION

SHEET NUMBER

ANT-2

EQUIPMENT CHANGE REQUEST FORM- ECR

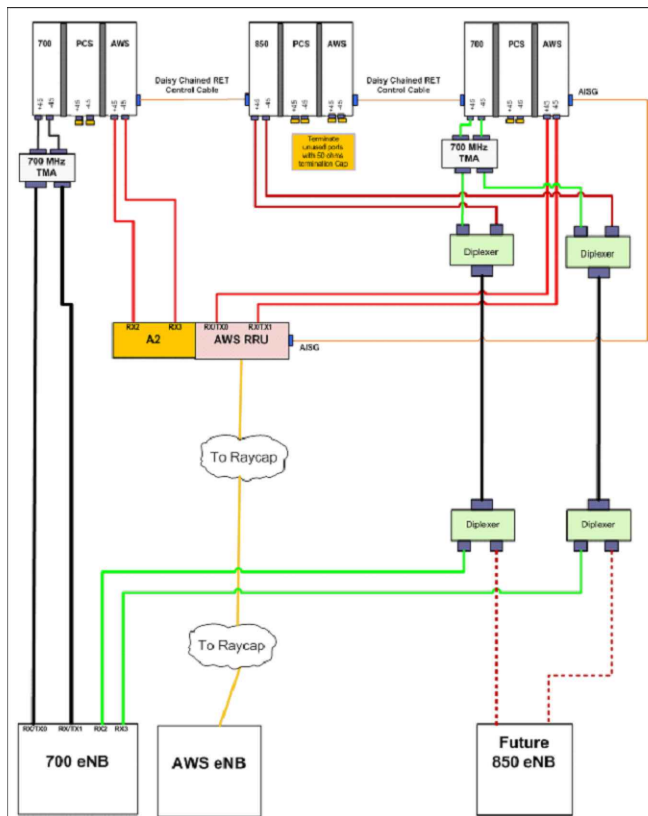
|                 |               |             |                |                |                              |
|-----------------|---------------|-------------|----------------|----------------|------------------------------|
| Cell Name       | Yale & Oakton | RF Engineer | Sabhi Siddiqui | Cell ID        | 3266                         |
| Location Number | 282639        | Market      | Elgin-1        | Address        | 1220 Village Dr Luther Lane  |
| Date of Request | 3/19/2015     |             |                | City/State/Zip | Arlington Heights, IL, 60004 |

| PROPOSED CONFIGURATION |          |                     |                     |                      |               |                       | Configuration |         |               | Option-A2       |              |              |
|------------------------|----------|---------------------|---------------------|----------------------|---------------|-----------------------|---------------|---------|---------------|-----------------|--------------|--------------|
| Antenna                |          |                     |                     | Antenna Manufacturer | Antenna Model | Antenna Serial Number | Centerline    | Azimuth | Variable Tilt | Mechanical Tilt | Action       |              |
| Sector                 | Pos      | Port                | RF Path             |                      |               |                       |               |         |               |                 |              |              |
| Alpha                  | A1       | L1 (-45)            | LTE C - RxTx0       | Amphenol             | CWWX063X25G00 | 65                    | 90            |         | 1             | 0               | Add- Install |              |
|                        |          | L2 (+45)            | LTE C - RxTx1       |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H1 (-45)            | AWS - Rx2           |                      |               |                       |               |         | 1             |                 |              |              |
|                        |          | H2 (+45)            | AWS - Rx3           |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | A2       | L1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              | Unchanged    |
|                        |          | L2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | A3       | L1 (-45)            | CEL - RxTx0         | Amphenol             | CWWX063X25G00 | 65                    | 90            |         | 1             | 0               | 0            | Add- Install |
|                        |          | L2 (+45)            | CEL - RxTx1         |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | A4       | L1 (-45)            | LTE C - Rx2         | Amphenol             | CWWX063X25G00 | 65                    | 90            |         | 1             | 0               |              | Add- Install |
|                        |          | L2 (+45)            | LTE C - Rx3         |                      |               |                       |               |         | 1             |                 |              |              |
| H1 (-45)               |          | AWS - RxTx0         |                     |                      |               |                       |               |         |               |                 |              |              |
| H2 (+45)               |          | AWS - RxTx1         |                     |                      |               |                       |               | 0       |               |                 |              |              |
| H3 (-45)               |          | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |
|                        | H4 (+45) | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |
| Beta                   | B1       | L1 (-45)            | LTE C - RxTx0       | Amphenol             | CWWX063X25G00 | 65                    | 190           |         | 1             | 0               | Add- Install |              |
|                        |          | L2 (+45)            | LTE C - RxTx1       |                      |               |                       |               |         | 1             |                 |              |              |
|                        |          | H1 (-45)            | AWS - Rx2           |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | AWS - Rx3           |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | B2       | L1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              | Unchanged    |
|                        |          | L2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | B3       | L1 (-45)            | CEL - RxTx0         | Amphenol             | CWWX063X25G00 | 65                    | 190           |         | 1             | 0               | 0            | Add- Install |
|                        |          | L2 (+45)            | CEL - RxTx1         |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | B4       | L1 (-45)            | LTE C - Rx2         | Amphenol             | CWWX063X25G00 | 65                    | 190           |         | 1             | 0               |              | Add- Install |
|                        |          | L2 (+45)            | LTE C - Rx3         |                      |               |                       |               |         | 1             |                 |              |              |
| H1 (-45)               |          | AWS - RxTx0         |                     |                      |               |                       |               |         |               |                 |              |              |
| H2 (+45)               |          | AWS - RxTx1         |                     |                      |               |                       |               | 0       |               |                 |              |              |
| H3 (-45)               |          | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |
|                        | H4 (+45) | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |
| GAMMA                  | G1       | L1 (-45)            | LTE C - RxTx0       | Amphenol             | CWWX063X25G00 | 65                    | 330           |         | 1             | 0               | Add- Install |              |
|                        |          | L2 (+45)            | LTE C - RxTx1       |                      |               |                       |               |         | 1             |                 |              |              |
|                        |          | H1 (-45)            | AWS - Rx2           |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | AWS - Rx3           |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | G2       | L1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              | Unchanged    |
|                        |          | L2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | G3       | L1 (-45)            | CEL - RxTx0         | Amphenol             | CWWX063X25G00 | 65                    | 330           |         | 1             | 0               | 0            | Add- Install |
|                        |          | L2 (+45)            | CEL - RxTx1         |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H1 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H2 (+45)            | Unused at this time |                      |               |                       |               |         | 0             |                 |              |              |
|                        |          | H3 (-45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        |          | H4 (+45)            | Unused at this time |                      |               |                       |               |         |               |                 |              |              |
|                        | G4       | L1 (-45)            | LTE C - Rx2         | Amphenol             | CWWX063X25G00 | 65                    | 330           |         | 1             | 0               |              | Add- Install |
|                        |          | L2 (+45)            | LTE C - Rx3         |                      |               |                       |               |         | 1             |                 |              |              |
| H1 (-45)               |          | AWS - RxTx0         |                     |                      |               |                       |               |         |               |                 |              |              |
| H2 (+45)               |          | AWS - RxTx1         |                     |                      |               |                       |               | 0       |               |                 |              |              |
| H3 (-45)               |          | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |
|                        | H4 (+45) | Unused at this time |                     |                      |               |                       |               |         |               |                 |              |              |

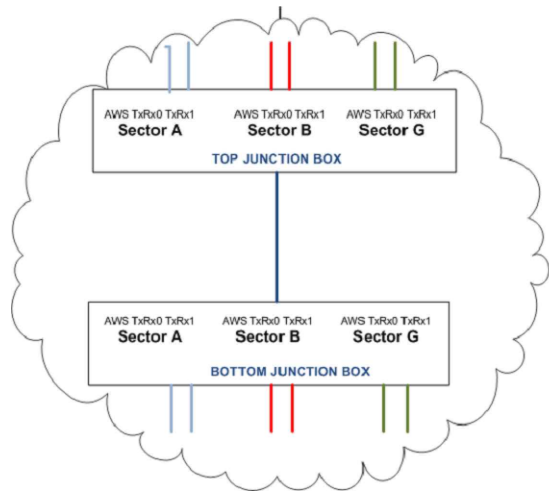
PPC CONNECTORS ONLY

1 PROPOSED ANTENNA CONFIGURATION  
N.T.S.

2 COMBINER CABLE DATA INFORMATION  
N.T.S.



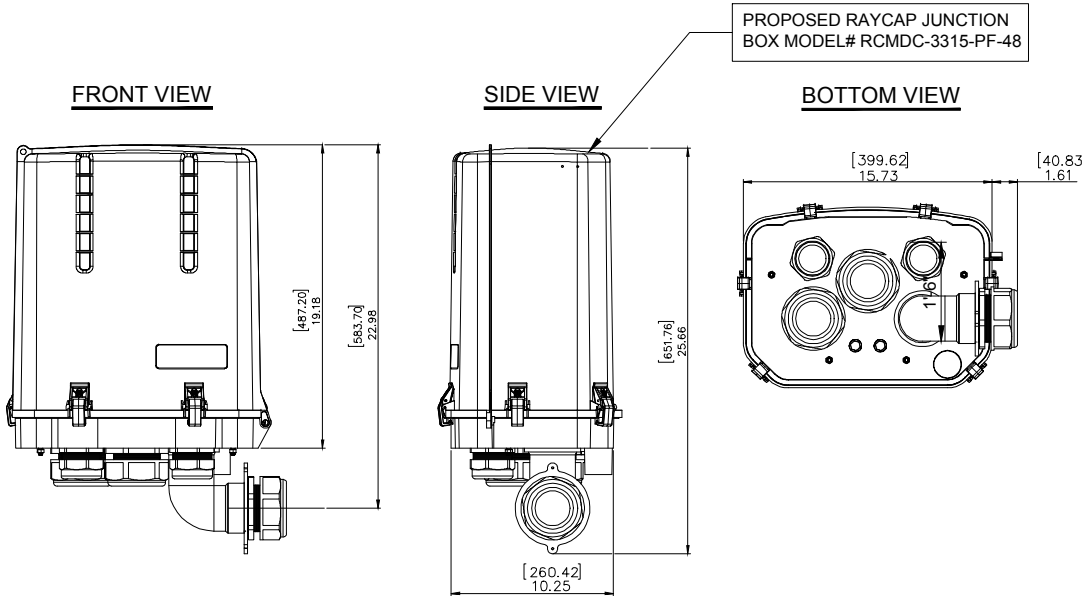
3 CABLE DIAGRAM  
N.T.S.



2 CABLE DIAGRAM @ JUNCTION BOX  
N.T.S.

|                |                                                           |
|----------------|-----------------------------------------------------------|
| SPECIFICATIONS | DC SURGE PROTECTION FOR RRU/INTEGRATED ANTENNA RADIO HEAD |
| APPLICATION:   | TOWER / BASE / ROOFTOP / ROOFTOP DISTRIBUTION MODELS      |
| WEIGHT:        | 32LBS (14.51 KG)                                          |

[mm]  
INCHES



1 RAYCAP JUNCTION BOX DETAIL  
SCALE: N.T.S.

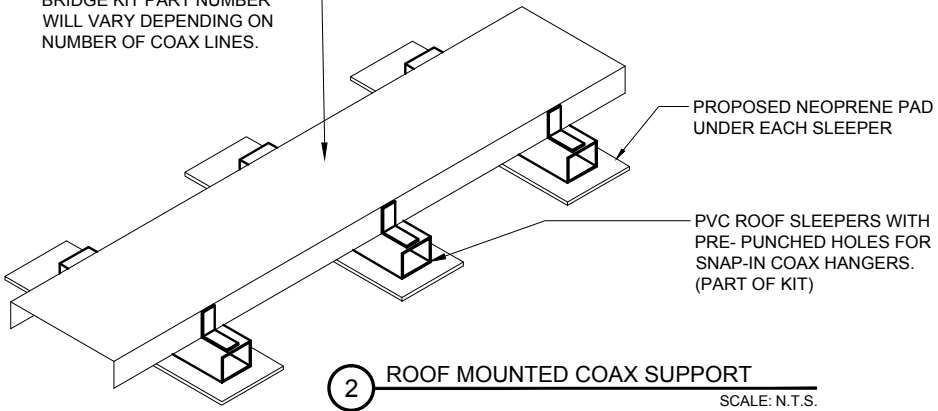
| BRIDGE KIT P/N | # OF COAX LINES | BRIDGE WIDTH |
|----------------|-----------------|--------------|
| B1542-11       | 4               | 11-1/2"      |
| B1543          | 8               | 1'-9 1/2"    |
| B1595          | 12              | 2'-9"        |
| B3098          | 16              | 1'-9 1/2"    |

NOTE:  
AT TURNS USE MICROFLECT  
ADJUSTABLE SPLICES FOR 0°  
TO 45° BENDS AND 45° TO 90°  
BENDS

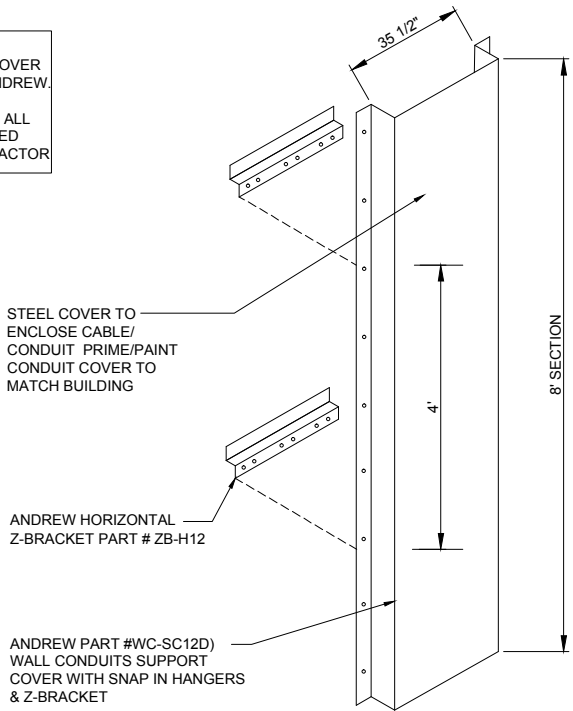
NOTE:  
• CONTRACTOR TO SUPPLY  
SUFFICIENT SLACK AT BOTH ENDS  
OF CABLE TRAY. CABLE TRAY  
SHOULD BE ABLE TO BE  
TEMPORARILY SHIFTED FOR ROOF  
MAINTENANCE.

• IF CABLE BRIDGE REQUIRES  
TEMPORARY RELOCATION (DUE  
TO ROOF MAINTENANCE)  
REMOVE THE BRIDGE COVER TO  
EASE THE MOVEMENT OF THE  
NON-PENETRATING SLEEPERS.

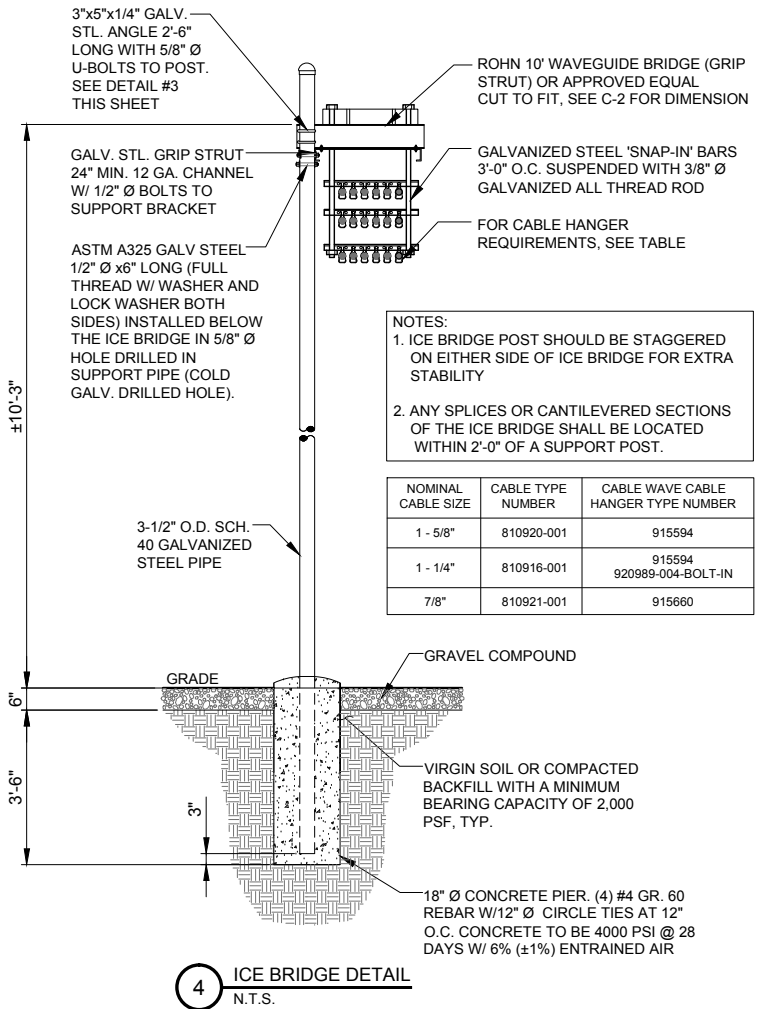
MICROFLECT COAX BRIDGE  
KIT (NON-PENETRATING  
ROOFTOP INSTALLATION)  
BRIDGE KIT PART NUMBER  
WILL VARY DEPENDING ON  
NUMBER OF COAX LINES.



NOTE:  
CABLE/CONDUIT WALL BRACKETS AND COVER  
CAN BE ORDERED AS A KIT THROUGH ANDREW.  
INSTALL BRACKETS AND COVER PER  
MANUFACTURERS RECOMMENDATIONS. ALL  
MOUNTING HARDWARE MUST BE ORDERED  
SEPARATELY AND INSTALLED BY CONTRACTOR



3 WALL MOUNTED CABLE/CONDUIT  
SUPPORT WITH COVER  
SCALE: N.T.S.



**CHICAGO  
SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| NO | DESCRIPTION                | DATE     | BY     | REVISIONS |
|----|----------------------------|----------|--------|-----------|
|    |                            |          |        |           |
| 1  | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |           |
| 2  | UPDATE ECR                 | 03/20/15 | LS     |           |
| 3  | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |           |
| 4  | UPDATE NATURAL GAS         | 05/19/15 | DMS    |           |
|    | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |           |

LOC. #282639

YALE &  
OAKTON

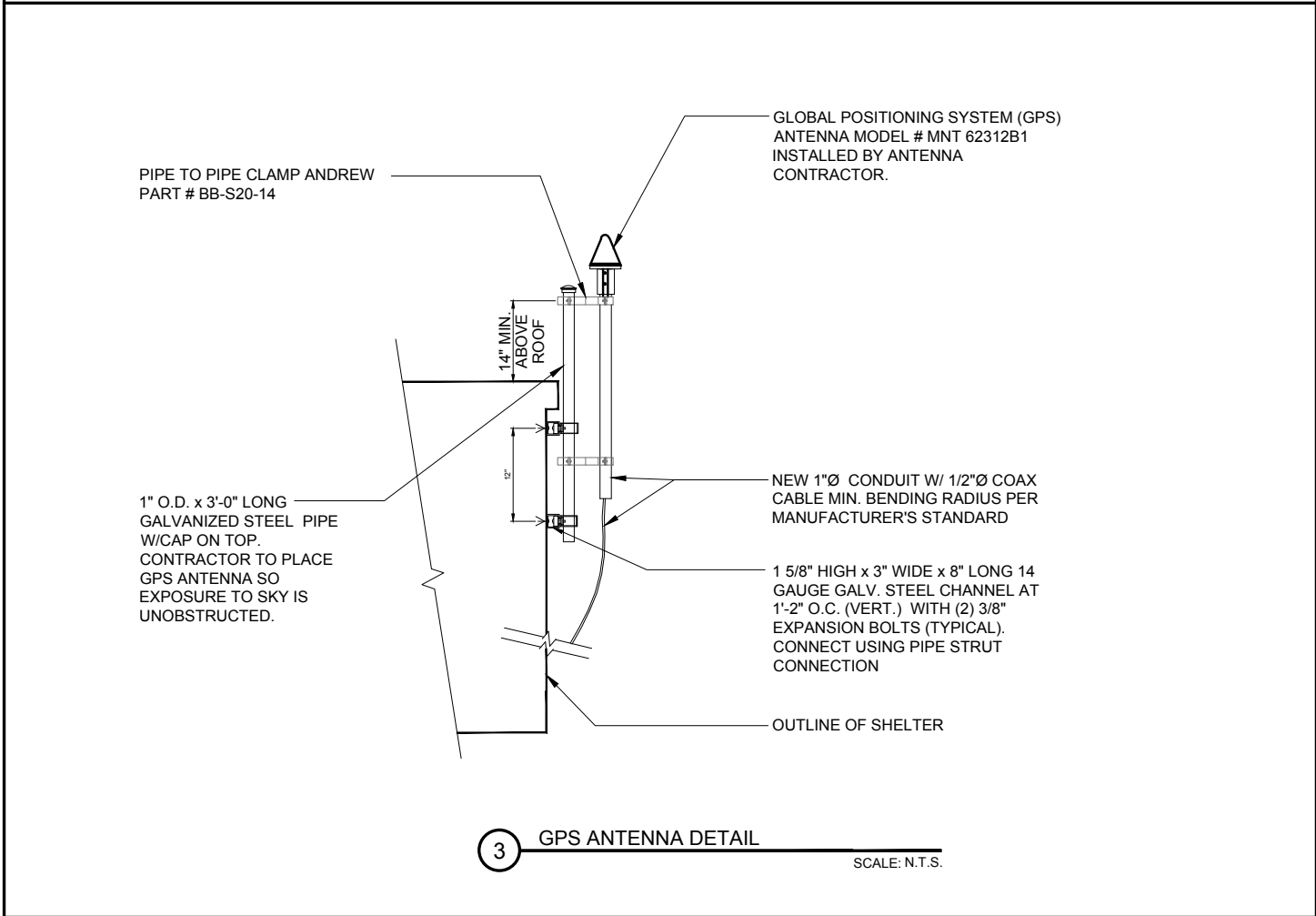
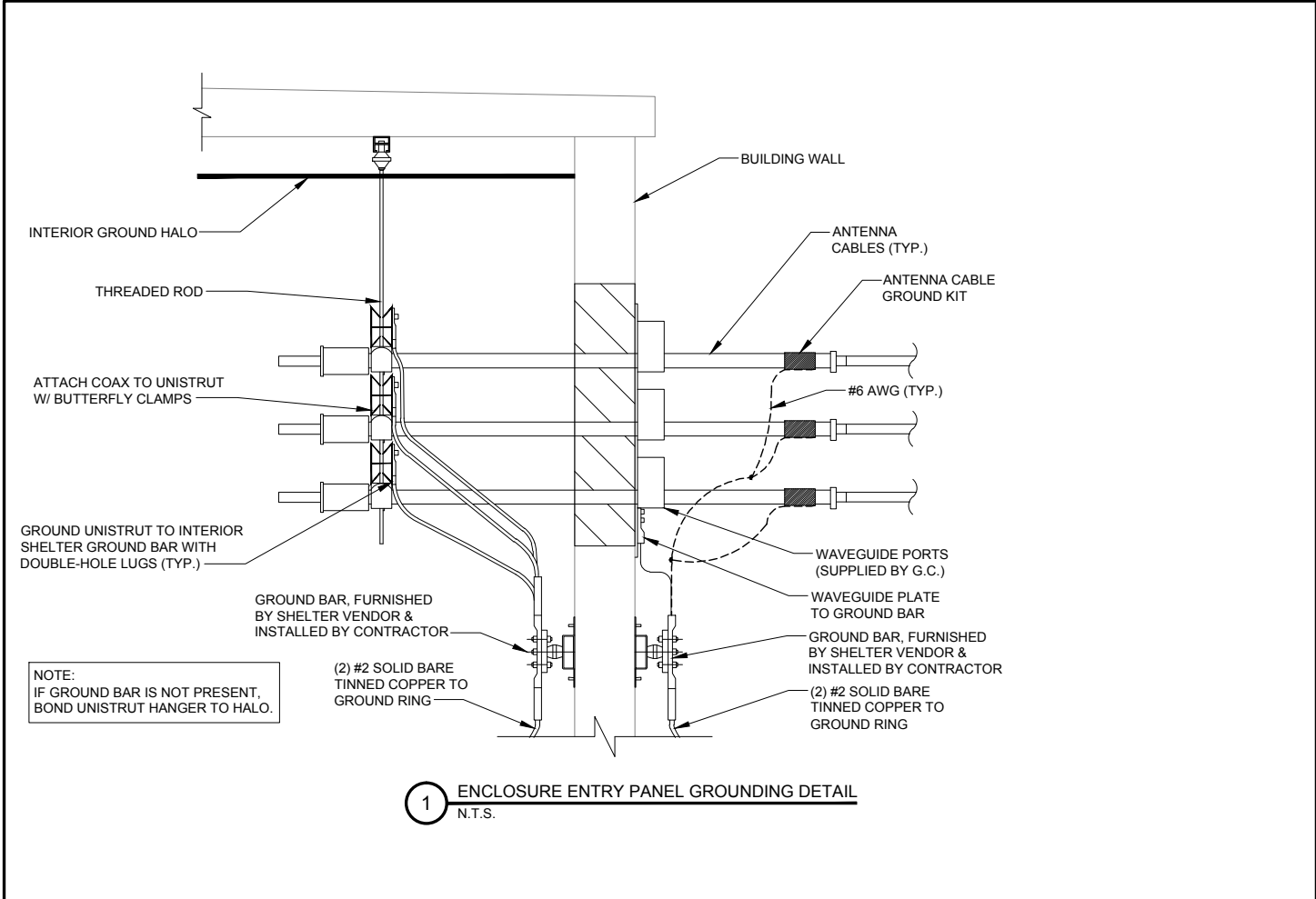
800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

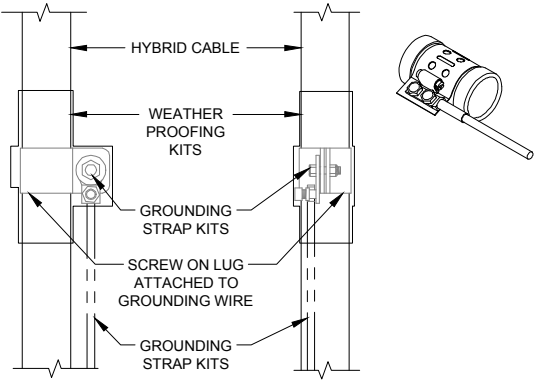
SHEET TITLE  
SITE DETAILS

SHEET NUMBER

**ANT-3**



- NOTES:
- DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO GROUND BAR.
  - THIS DETAIL IS TYPICAL FOR EACH COAX CABLE WHERE IT IS SPECIFIED TO BE GROUNDED
  - CABLE TO BE GROUNDED AT ANTENNA LEVEL AND PRIOR TO ENTERING SHELTER ENTRY PANEL.
  - CABLE ALSO TO BE GROUNDED TO GROUND BAR AT TOWER BASE IF APPLICABLE.
  - USE ONLY TIN PLATED GROUNDING KITS.



**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |  | DESCRIPTION                | DATE     | BY     |
|-----------|--|----------------------------|----------|--------|
| NO        |  | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |
| 1.        |  | UPDATE ECR                 | 03/20/15 | LS     |
| 2.        |  | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 3.        |  | UPDATED NATURAL GAS        | 05/19/15 | DMS    |
| 4.        |  | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

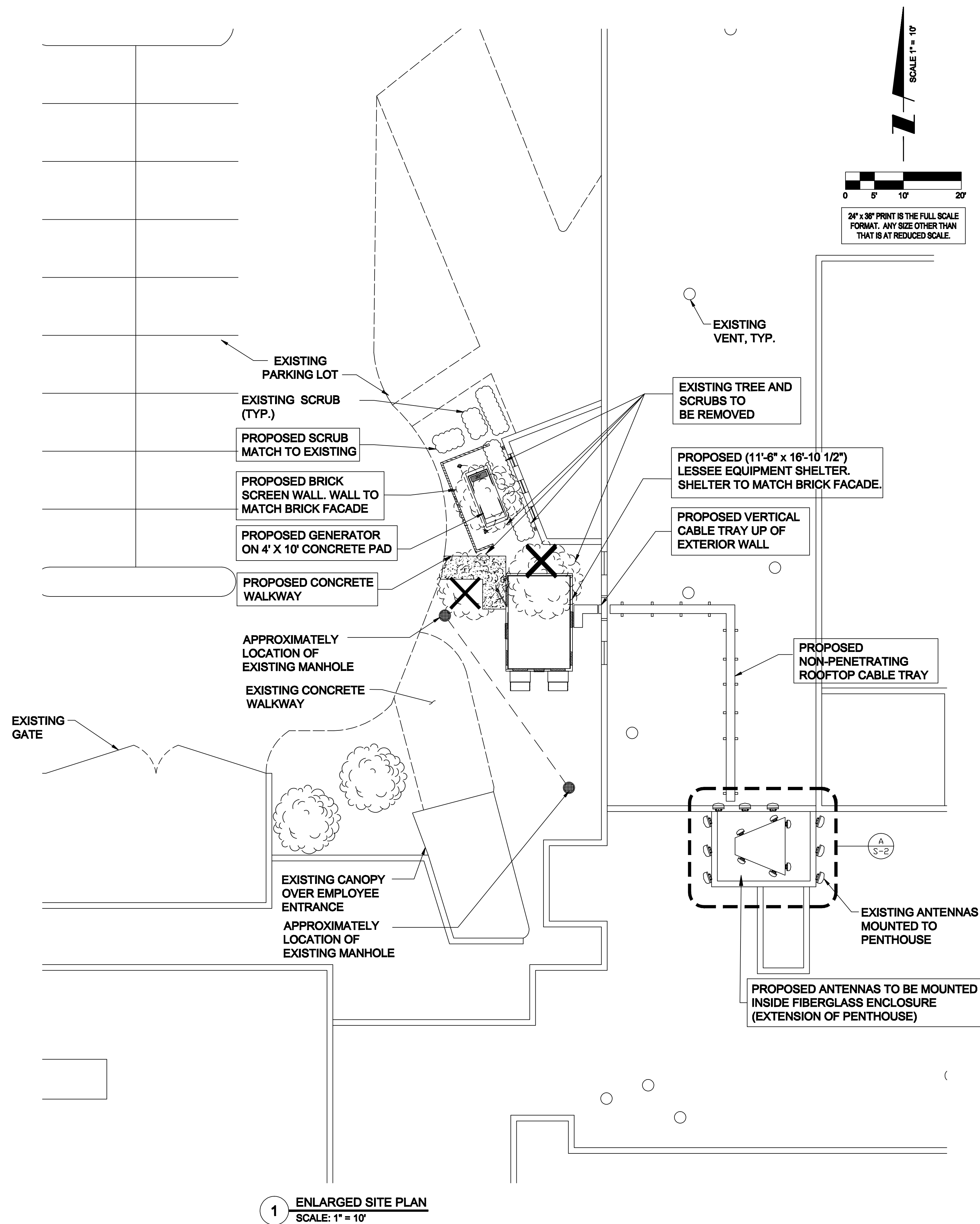
|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
ANTENNA  
MOUNTING  
DETAILS

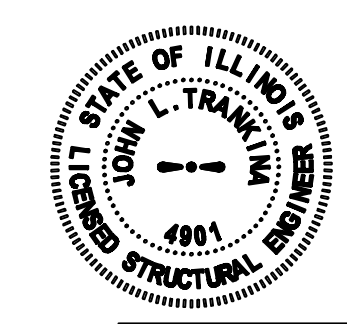
SHEET NUMBER

**ANT-4**





**1 ENLARGED SITE PLAN**  
SCALE: 1" = 10'



**HUTTER TRANKINA ENGINEERING**  
CONSULTING STRUCTURAL ENGINEERS  
HTE JOB #14438

32W273 Army Trail Road, Suite #100, Wayne, Illinois 60184  
Tel: (630) 513-6711 Fax: (630) 513-2925  
E-mail: gen@htedesign.com  
WEB SITE: www.htedesign.com

© 2014 HUTTER TRANKINA ENGINEERING ALL RIGHTS RESERVED

**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS

**TERRA CONSULTING GROUP, LTD.**  
600 Buess Highway  
Park Ridge, IL 60068  
Ph: 847/698-6400  
Fax: 847/698-6401

| REVISIONS |                   |          |     |
|-----------|-------------------|----------|-----|
| NO.       | DESCRIPTION       | DATE     | BY  |
| 1         | ISSUED FOR REVIEW | 12/03/14 | JAL |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |
|           |                   |          |     |

**LOC. #282639**

**YALE & OAKTON**

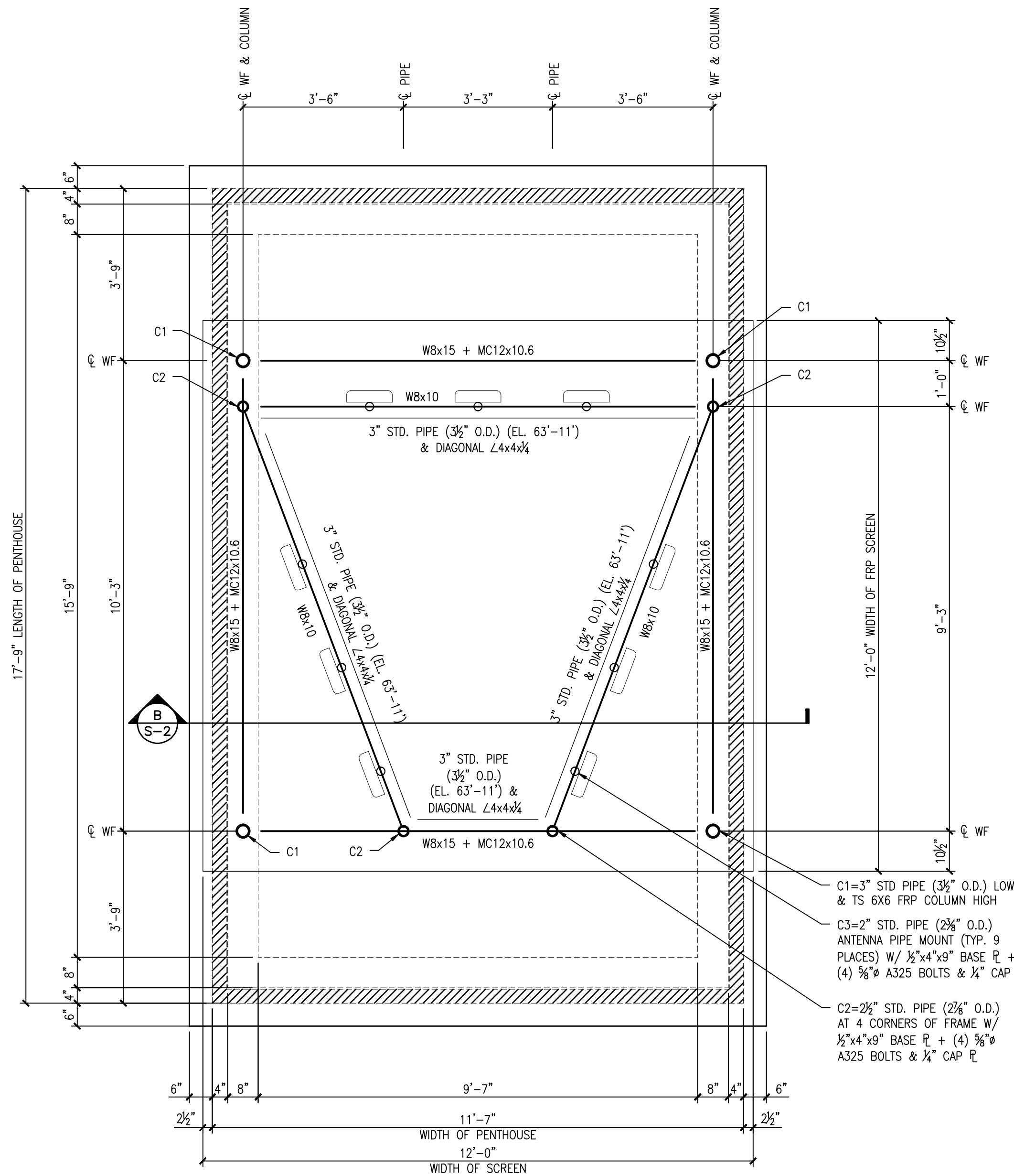
800 W. OAKTON ST.  
ARLINGTON HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | RRO      |
| CHECKED BY: | JAL      |
| DATE:       | 12/03/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
**ENLARGED SITE PLAN**

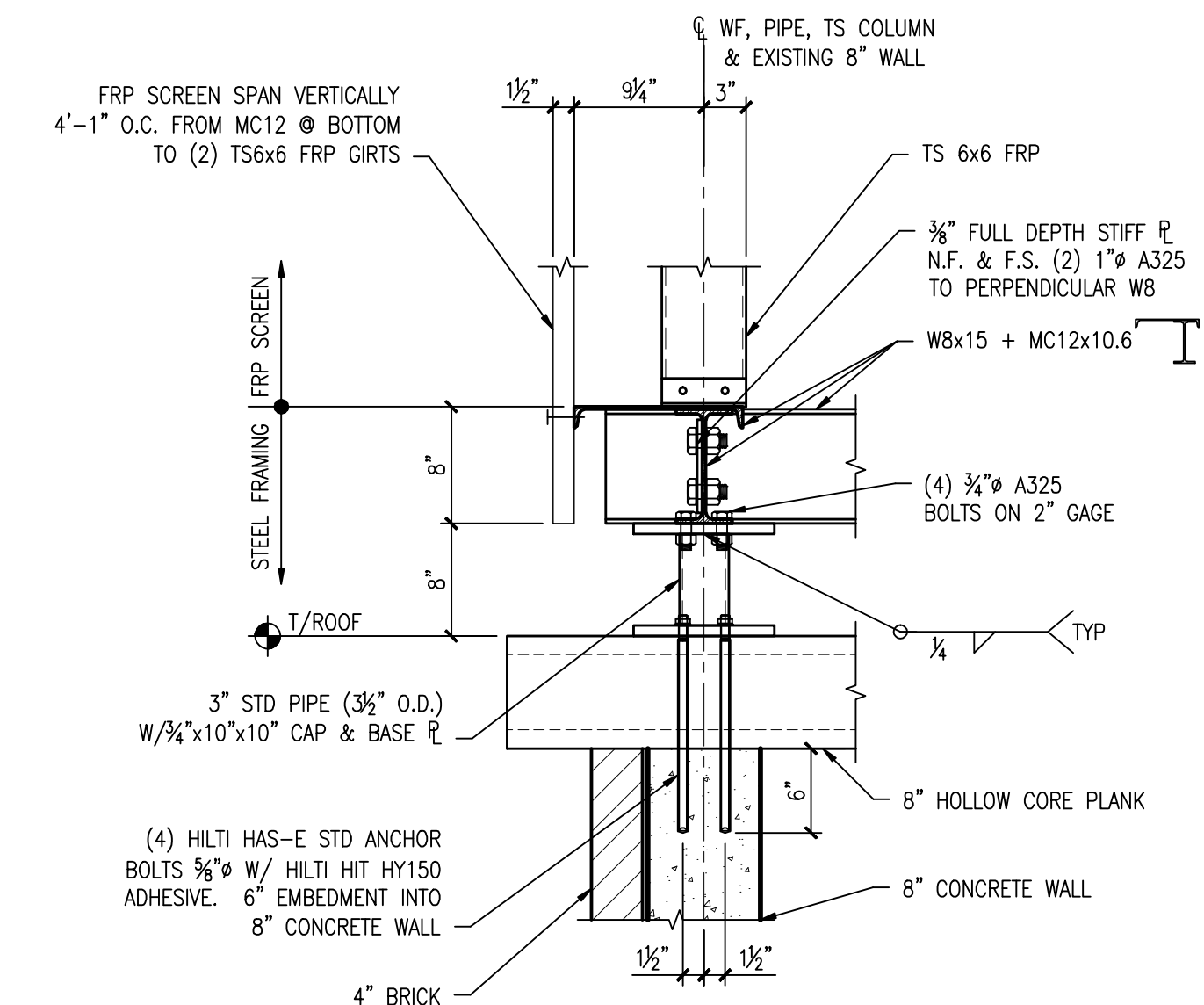
SHEET NUMBER  
**S-1**



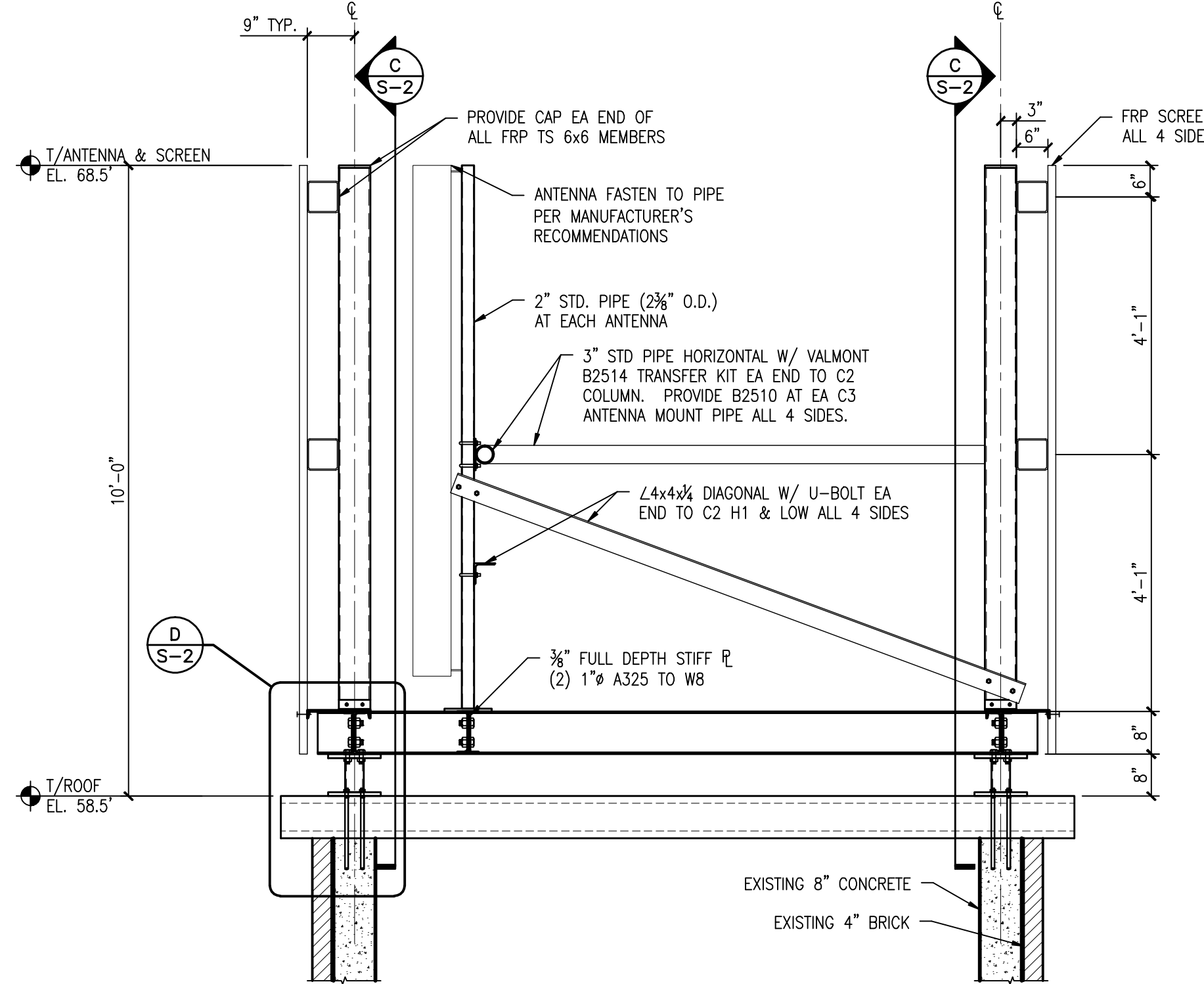


**A PENTHOUSE FRAMING PLAN**  
SCALE: 1/2"=1'-0"

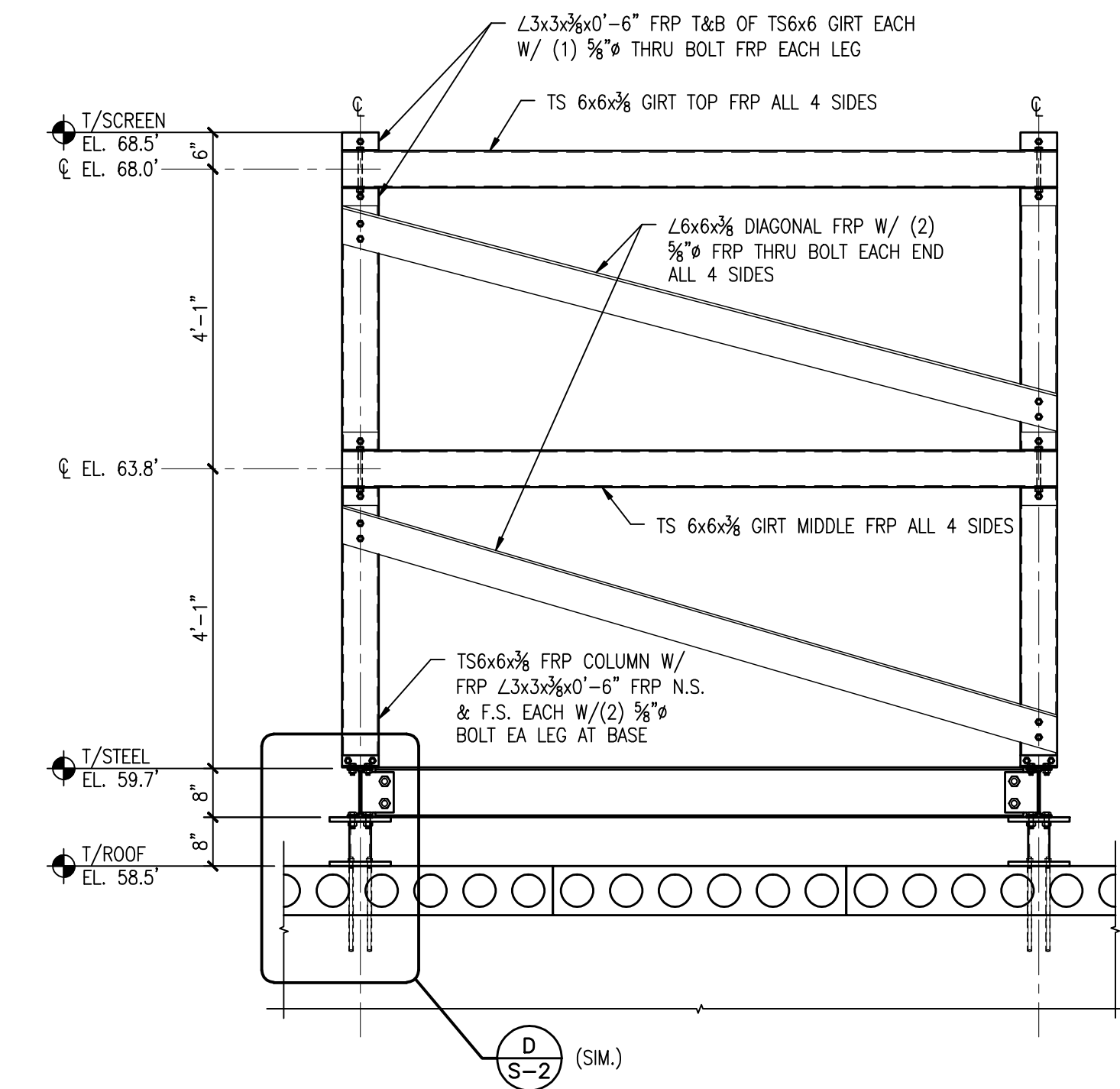
- T/ROOF = 58'-6"
- T/STEEL = 59'-10" TYP. U.N.O.



**D DETAIL**  
SCALE: 1"=1'-0"



**B SECTION**  
SCALE: 1/2"=1'-0"



**C ELEVATION ALL 4 SIDES OF SCREEN WALL**  
SCALE: 1/2"=1'-0"

## DESIGN LOADS:

### LIVE LOAD:

SNOW: 30 PSF  
WIND ON SCREEN WALL: 26 PSF  
CODE: TIA/EIA REV. G  
ASCE 7-05

## GENERAL STEEL NOTES:

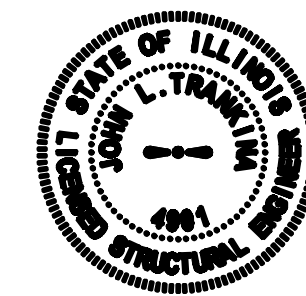
- ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION, AND THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION, EXCEPT AS MODIFIED BELOW OR IN THE SPECIFICATIONS.
- ALL STRUCTURAL STEEL W SHAPES SHALL CONFORM TO ASTM A572 OR A992 GRADE 50. ALL OTHER STRUCTURAL STEEL SHAPES, PLATES AND BARS SHALL CONFORM TO ASTM A36 GR 36, UNLESS NOTED OTHERWISE. COLD FORMED TUBING SHALL CONFORM TO ASTM A500 GRADE B. PIPES SHALL CONFORM TO ASTM A53 TYPE E OR S. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36 AND BE COMPATIBLE WITH E70XX ELECTRODES.
- ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION. ALL WELDING ELECTRODES SHALL BE E70XX.
- THE CONTRACTOR SHALL FIELD VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS.
- IF CONDITIONS VARY FROM THOSE ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- THE CONTRACTOR SHALL OBSERVE ALL SAFETY RULES DICTATED BY CODE AND GOOD PRACTICE.
- SHOULD UNFORESEEN CONDITIONS OR OTHER CAUSE NECESSITATE THE CONSTRUCTION DETAILS TO BE MODIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PERFORMING THESE CHANGES.

## MISCELLANEOUS NOTES:

- STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS OF ALL DRAWINGS INTO THEIR SHOP DRAWINGS AND WORK.
- NO OPENINGS, OTHER THAN THOSE SHOWN ON DESIGN DRAWINGS AND APPROVED SHOP DRAWINGS, SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT.
- OPENINGS OF 1'-4" AND LESS ON A SIDE ARE GENERALLY NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND DIMENSIONS OF THOSE OPENINGS. PROVIDE REINFORCING AROUND OPENINGS PER TYPICAL DETAILS SHOWN ON STRUCTURAL DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
- THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR SHALL FURNISH ALL TEMPORARY BRACING AND / OR SUPPORTS REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND / OR SEQUENCES.
- DO NOT SCALE THESE DRAWINGS, USE DIMENSIONS.
- CONTRACTOR'S CONSTRUCTION AND / OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD. EXPANSION JOINTS SHOWN ON THE DRAWINGS HAVE BEEN DESIGNED TO ACCOMMODATE ANTICIPATED THERMAL MOVEMENT AFTER THE BUILDING IS COMPLETE.
- THE CONTRACTOR SHALL INFORM THE ARCHITECT IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY FOR SUCH DEVIATION BY THE ARCHITECTS APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE ARCHITECT HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- ALL THING WHICH, IN THE OPINION OF THE CONTRACTOR, APPEAR TO BE DEFICIENCIES, OMISSIONS, CONTRADICTIONS AND AMBIGUITIES, IN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. PLANS AND / OR SPECIFICATIONS WILL BE CORRECTED, OR A WRITTEN INTERPRETATION OF THE ALLEGED DEFICIENCY, OMISSION, CONTRADICTION OR AMBIGUITY WILL BE MADE BY THE ARCHITECT BEFORE THE EFFECTED WORK PROCEEDS.

## FIBER REINFORCED PLASTIC NOTES (FRP)

- FIBER REINFORCED PLASTIC TO HAVE THE FOLLOWING DESIGN PROPERTIES:  
 $E = 2,800,000$  PSI  
 $F_b = 10,000$  PSI  
 $F_v = 1,500$  PSI
- ALL FIBER REINFORCED PLASTIC SHALL BE MANUFACTURED BY BEDFORD PLASTICS OR APPROVED EQUAL.
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.



*[Signature]*

**HUTTER FRANKINA ENGINEERING**  
CONSULTING STRUCTURAL ENGINEERS  
HTE JOB #14438

32W273 Army Trail Road, Suite #100, Wayne, Illinois 60184  
Tel: (630) 513-6711 Fax: (630) 513-2925  
E-mail: gen@htedesign.com  
WEB SITE: www.htedesign.com

© 2014 HUTTER FRANKINA ENGINEERING ALL RIGHTS RESERVED

**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| NO. | DESCRIPTION       | DATE     | BY | JAL |  |  |  |  |  |
|-----|-------------------|----------|----|-----|--|--|--|--|--|
|     |                   |          |    |     |  |  |  |  |  |
|     | ISSUED FOR REVIEW | 12/03/14 |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |
|     |                   |          |    |     |  |  |  |  |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

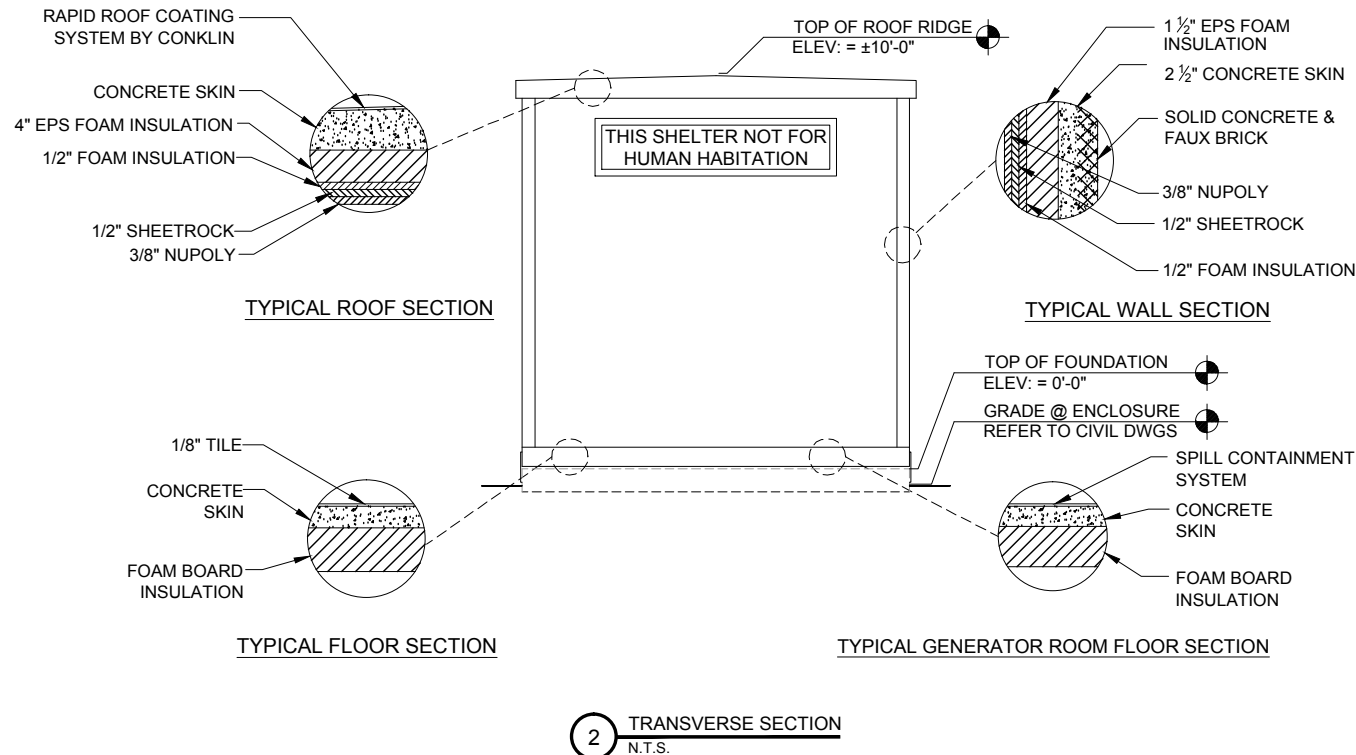
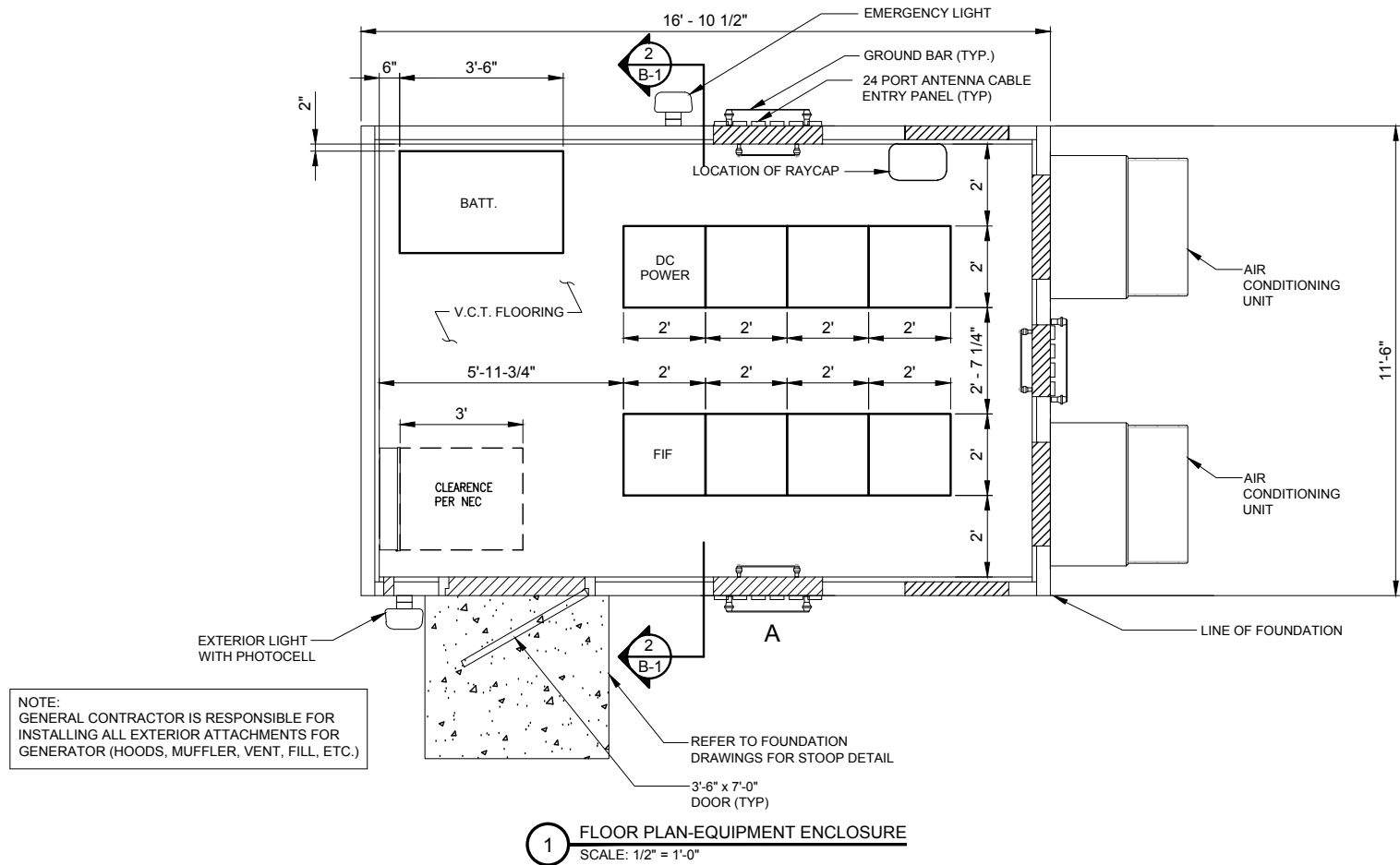
|             |          |
|-------------|----------|
| DRAWN BY:   | RRO      |
| CHECKED BY: | JAL      |
| DATE:       | 12/03/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
PENTHOUSE FRAMING PLAN  
SECTIONS AND DETAILS

SHEET NUMBER  
**S-2**



24" x 36" PRINT IS THE FULL SCALE  
FORMAT. ANY SIZE OTHER THAN  
THAT IS AT REDUCED SCALE.



| VENTILATION SCHEDULE                                   |            |             |          |            |          |             |
|--------------------------------------------------------|------------|-------------|----------|------------|----------|-------------|
| ROOM PURPOSE                                           | AREA       | VENTILATION |          |            |          | REMARKS     |
|                                                        |            | NATURAL     |          | MECHANICAL |          |             |
|                                                        |            | ACTUAL      | REQUIRED | ACTUAL     | REQUIRED |             |
| WIRELESS TELEPHONE EQUIPMENT ENCLOSURE (NON-INHABITED) | 194.1 S.F. | 0 CFM       | 0 CFM    | 2600 CFM   | 0 CFM    | SEE NOTE 1. |

NOTES:

- EQUIPMENT ENCLOSURE IS PRE MANUFACTURED. THIS SHEET IS PROVIDED AS GUIDE ONLY. REFER TO ACTUAL DRAWINGS BY SHELTER MANUFACTURE FOR FULL BUILDING PLANS.
- EPS BOARD INSULATION IS LISTED TO HAVE A FLAME SPREAD OF 25 OR LESS AND SMOKE DEVELOPED OF 450 OR LESS WITH A MAXIMUM THICKNESS OF 2 INCHES AT 1 PCF DENSITY. POLYISOCYANURATE FOAM INSULATION HAS BEEN TESTED TO A MAXIMUM THICKNESS OF 3 INCHES AT 1.9 PCF AND HAS A FLAME SPREAD OF 25 AND A SMOKE PRODUCT OF 395.
- INTERIOR PANELING IS LISTED TO HAVE A FLAMESPREAD OF 200 OR LESS.
- THIS ENCLOSURE IS CLASSIFIED AS USE GROUP B, TYPE 5B CONSTRUCTION; PER 1999 BOCA AND IS IN COMPLIANCE WITH 1999 BOCA BUILDING CODE, 1996 INTERNATIONAL MECHANICAL CODE, 2002 NEC AND ILLINOIS ASHRAE 90.1.
- DESIGN CRITERIA  
WIND LOAD = 125 MPH FLOOR DEAD LOAD = 35 PSF  
ROOF LIVE LOAD = 100 PSF WALL DEAD LOAD = 35 PSF  
FLOOR LIVE LOAD = 135 PSF SNOW LOAD = 80 PSF  
ROOF DEAD LOAD = 45 PSF SEISMIC EXPOSURE GROUP = III
- $F_c' = 5000 \text{ PSI @ 28 DAYS (EQUIPMENT ENCLOSURE)}$
- ENCLOSURE AND ASSOCIATED EQUIPMENT IS PROVIDED BY OWNER UNDER SEPARATE CONTRACT. EQUIPMENT ENCLOSURE INFORMATION INDICATED HEREIN IS PROVIDED FOR REFERENCE ONLY AND IS TAKEN FROM MANUFACTURER'S AVAILABLE DATA. REFER TO CIVIL, STRUCTURAL AND ELECTRICAL DRAWINGS FOR WORK TO BE PERFORMED UNDER THIS CONTRACT.
- PRIOR TO PROJECT CLOSE OUT AND SHELTER INSTALLATION, THE GENERAL CONTRACTOR IS TO CLEAN THE SHELTER FLOOR AND APPLY A STATIC-FREE WAX TO THE FLOORS.

**CHICAGO SMSA**  
limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                            |          |        |  |
|-----------|----------------------------|----------|--------|--|
| NO.       | DESCRIPTION                | DATE     | BY     |  |
| -         | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |  |
| 1.        | UPDATE ECR                 | 03/20/15 | LS     |  |
| 2.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |  |
| 3.        | UPDATED NATURAL GAS        | 05/19/15 | DMS    |  |
| 4.        | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |  |
|           |                            |          |        |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

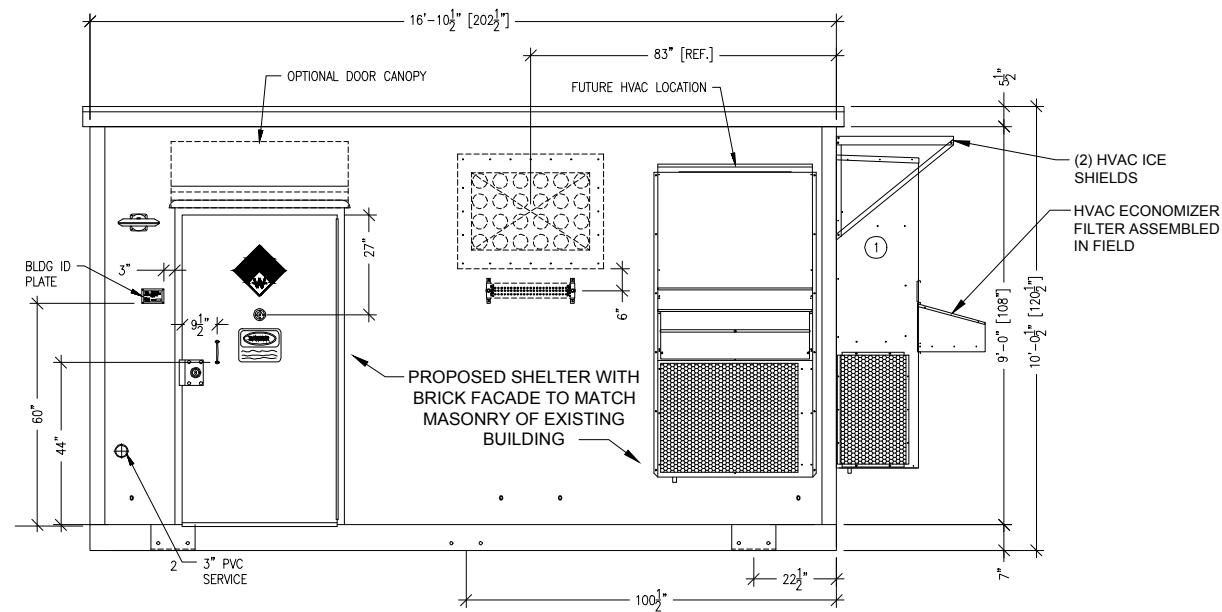
|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

EQUIPMENT  
ENCLOSURE  
PLAN & SECTION

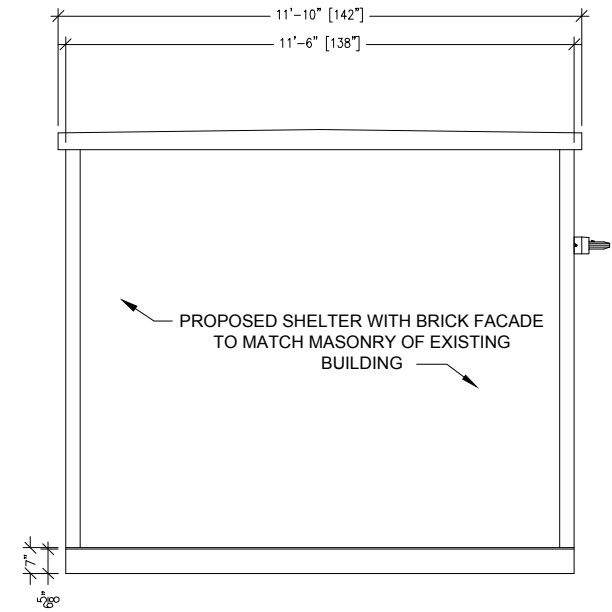
SHEET NUMBER

**B-1**

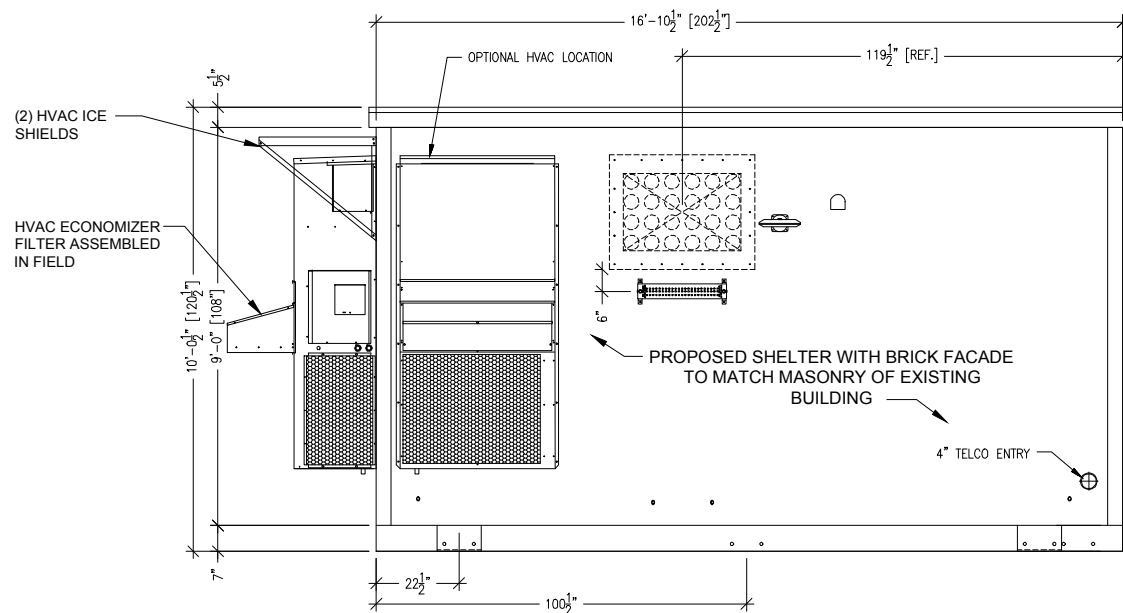
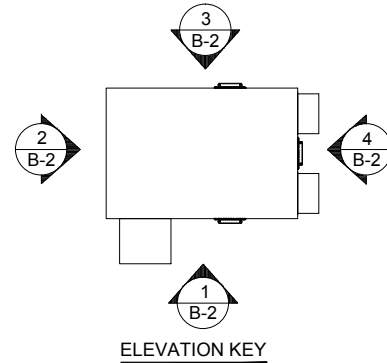




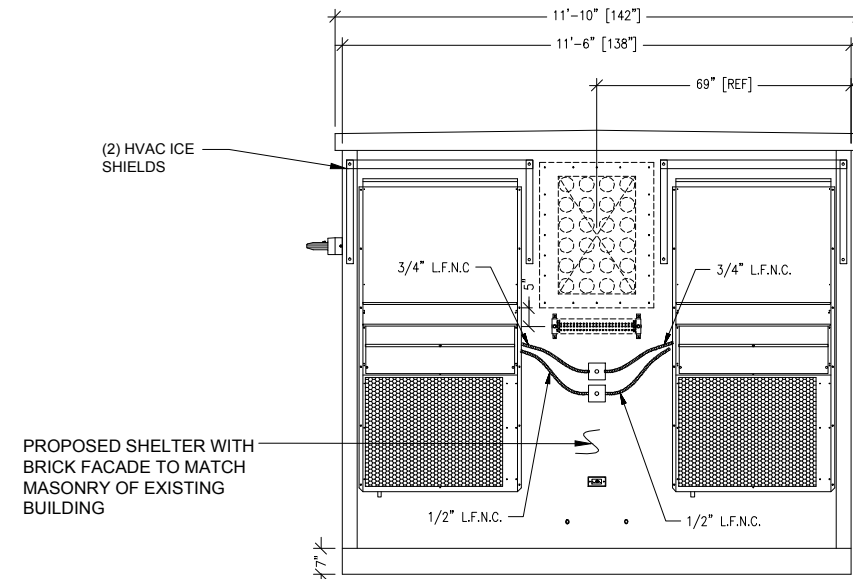
1 ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



2 ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



3 ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"



4 ELEVATION-EQUIPMENT ENCLOSURE  
SCALE: 1/2" = 1'-0"

**CHICAGO**  
**SMSA**  
*limited partnership*  
d/b/a VERIZON WIRELESS



| REVISIONS |                            |          |        |  |  |
|-----------|----------------------------|----------|--------|--|--|
| NO        | DESCRIPTION                | DATE     | BY     |  |  |
| 1         | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |  |  |
| 2         | UPDATE ECR                 | 03/20/15 | LS     |  |  |
| 3         | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |  |  |
| 4         | UPDATE NATURAL GAS         | 05/19/15 | DMS    |  |  |
|           | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |  |  |

LOC. #282639

**YALE &  
OAKTON**

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
**EQUIPMENT  
ENCLOSURE  
ELEVATIONS**

SHEET NUMBER

**B-2**

UTILITY NOTES:

WORK INCLUDES:

THESE NOTES AND ACCOMPANYING DRAWINGS COMPLEMENT THE PROVISIONS AND INSTALLATIONS BY THE ELECTRICAL CONTRACTOR, OF ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO INSTALL THE ELECTRICAL WORK COMPLETE IN CONNECTION WITH THIS VERIZON WIRELESS SITE AND SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

1. THE PROVISIONS, INSTALLATION, AND CONNECTION OF A GROUNDING ELECTRODE SYSTEM COMPLETE WITH A BUILDING AND SECONDARY GROUNDING, CELLULAR TELEPHONE COMMUNICATIONS TOWER AND CONNECTIONS TO THE INCOMING ELECTRICAL DISTRIBUTION EQUIPMENT.
2. THE PROVISION AND INSTALLATION OF AN OVERHEAD ELECTRICAL SERVICE OR UNDERGROUND ELECTRICAL SERVICE AND ALL ASSOCIATED WIRE AND CONDUIT AS REQUIRED AND/OR INDICATED ON PLANS.
3. THE PROVISION, INSTALLATION OF CONDUIT AND CONNECTIONS FOR LOCAL TELEPHONE SERVICE.
4. THE FURNISHING AND INSTALLATION OF THE ELECTRICAL SERVICE ENTRANCE CONDUCTORS, CONDUITS, METER SOCKET, AND CONNECTIONS TO THE SERVICE EQUIPMENT WITHIN THE ENCLOSURE.
5. TWO INCH (2") AND THREE INCH (3") DIAMETER PVC CONDUITS SCHEDULE 40.
6. ALL PVC CONDUITS SHOULD BE LEFT WITH NYLON PULL CORD FOR FUTURE USE.
7. EXCAVATION, TRENCHING, AND BACKFILLING FOR CONDUIT(S), CABLE(S), AND EXTERNAL GROUNDING SYSTEM.

CODES, PERMITS, AND FEES:

1. ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL FEES FOR SAME PAID BY CONTRACTOR.
2. THE INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES: STATE, LOCAL AND NATIONAL, AND THE DESIGN, PERFORMANCE CHARACTERISTICS AND METHODS OF CONSTRUCTION OF ALL ITEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE VARIOUS APPLICABLE STANDARD SPECIFICATIONS OF THE FOLLOWING AUTHORITIES:

|          |                                                   |
|----------|---------------------------------------------------|
| N.E.C.   | NATIONAL ELECTRIC CODE                            |
| A.N.S.I. | AMERICAN NATIONAL STANDARDS INSTITUTE             |
| I.E.E.E. | INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS |
| A.S.T.M. | AMERICAN SOCIETY FOR TESTING MATERIALS            |
| N.E.M.A. | NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION     |
| U.L.     | UNDERWRITERS LABORATORIES, INC.                   |
| N.F.P.A. | NATIONAL FIRE PROTECTION ASSOCIATION              |

RACEWAYS AND WIRING:

1. WIRING OF EVERY KIND MUST BE INSTALLED IN CONDUIT, UNLESS NOTED OTHERWISE, OR AS APPROVED BY THE ENGINEER.
2. UNLESS OTHERWISE SPECIFIED, ALL WIRING SHALL BE COPPER (CU) TYPE THWN, SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
3. RACEWAYS SHALL BE GALVANIZED STEEL, SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, UNLESS OTHERWISE NOTED. ALL RACEWAYS SHALL BE APPROVED FOR THE INSTALLATION.
4. PULL OR JUNCTION BOXES SHALL BE PROVIDED AS REQUIRED TO FACILITATE INSTALLATION OF RACEWAYS AND WIRING. PROVIDE JUNCTION AND PULLBOXES FOR CONDUIT RUNS WITH MORE THAN (360) DEGREES OF BENDS.
5. PROVIDE A COMPLETE RACEWAY AND WIRING INSTALLATION, PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE AND LOCAL CODES.
6. ELECTRICAL PANELBOARD SHALL BE FURNISHED AND INSTALLED BY OTHERS.
7. ALL STEEL CONDUIT SHALL BE BONDED AT BOTH ENDS WITH GROUNDING BUSHING.

GENERAL NOTES:

SEE DETAILS AND SCHEDULES ON DRAWINGS AND SPECIFICATIONS FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ARCHITECTURAL, STRUCTURAL AND OTHER MECHANICAL AND ELECTRICAL DRAWINGS FOR SCALE, SPACE LIMITATIONS, COORDINATION, AND ADDITIONAL INFORMATION, ETC. REPORT ANY DISCREPANCIES, CONFLICTS, ETC. TO ENGINEER BEFORE SUBMITTING BID. ALL EQUIPMENT FURNISHED BY OTHERS (FBO) SHALL BE PROVIDED WITH PROPER MOTOR STARTERS, DISCONNECTS, CONTROLS, ETC. BY THE ELECTRICAL CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND COMPLETELY WIRE ALL ASSOCIATED EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S WIRE DIAGRAM AND AS REQUIRED FOR A COMPLETE OPERATING INSTALLATION. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF (FBO) EQUIPMENT PRIOR TO ROUGH-IN OF CONDUIT AND WIRING TO AVOID CONFLICTS.

COORDINATION WITH UTILITY COMPANY:

THE ELECTRICAL CONTRACTOR SHALL COORDINATE COMPLETE ELECTRICAL SERVICE WITH LOCAL UTILITY COMPANY FOR A COMPLETE OPERATIONS SYSTEM, INCLUDING TRANSFORMER CONNECTIONS, CONCRETE TRANSFORMER PADS, IF REQUIRED, METER SOCKETS, PRIMARY CABLE RACEWAY REQUIREMENTS, SECONDARY SERVICE, ETC. PRIOR TO SUBMITTING BID TO INCLUDE ALL LABOR AND MATERIALS. THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN THE BID ANY OPTIONAL OR EXCESS FACILITY CHARGES ASSOCIATED WITH PROVIDING ELECTRICAL SERVICE FROM LOCAL UTILITY COMPANY. VERIFY BEFORE BIDDING TO INCLUDE ALL COSTS. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE LOCAL UTILITY COMPANY PRIOR TO SUBMITTING BID. ADJUST A.I.C. RATINGS OF ALL OVER CURRENT PROTECTION DEVICES IN DISTRIBUTION EQUIPMENT AS REQUIRED TO COORDINATE WITH AVAILABLE FAULT CURRENT FROM LOCAL UTILITY COMPANY. ALL GROUNDING RODS PROVIDED BY THE POWER OR TELEPHONE UTILITY COMPANIES MUST BE TIED INTO THE MAIN EXTERNAL GROUND RING.

UTILITY CONTACTS:

POWER: COMED

FIBER: AT&T  
VIKI THOMAS

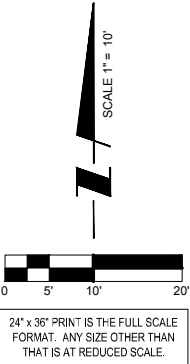
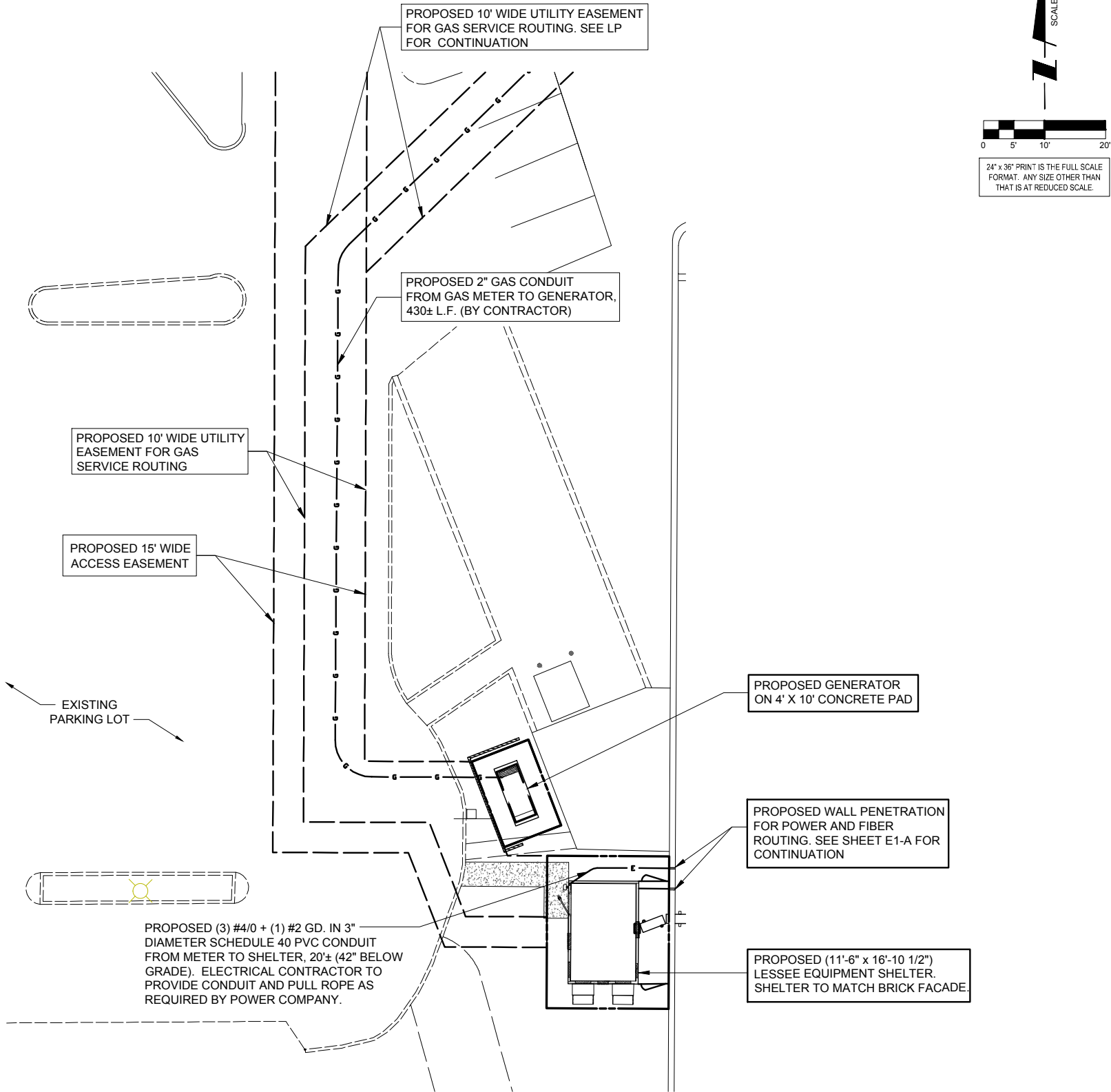
ELECTRICAL CONTRACTOR SHALL COORDINATE WITH POWER COMPANY FOR ENTRY INTO FENCED AREA BY EITHER MAILING A KEY TO A SLAVE LOCKED CHAIN AT THE FENCE GATE OR CALLING AND LEAVING A COMBINATION.

FOR CONTINUATION AND CONNECTION OF ELECTRIC AND TELEPHONE SERVICE. COORDINATE WITH ELECTRIC AND PHONE COMPANY

OPERATES 24 HOURS  
A DAY 365 DAYS A YEAR



NOTE:  
CONTRACTOR TO VERIFY ROUTES  
WITH LOCAL UTILITY COMPANY  
PRIOR TO INSTALLATION.



1 SITE UTILITY ROUTING PLAN  
SCALE: 1" = 10'

CHICAGO  
SMSA

limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                            |          |        |  |
|-----------|----------------------------|----------|--------|--|
| NO.       | DESCRIPTION                | DATE     | BY     |  |
| -         | ISSUED FOR REVIEW          | 11/21/14 | LRB/LS |  |
| 1.        | UPDATE ECR                 | 03/20/15 | LS     |  |
| 2.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |  |
| 3.        | UPDATED NATURAL GAS        | 05/19/15 | DMS    |  |
| 4.        | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |  |
|           |                            |          |        |  |

LOC. #282639

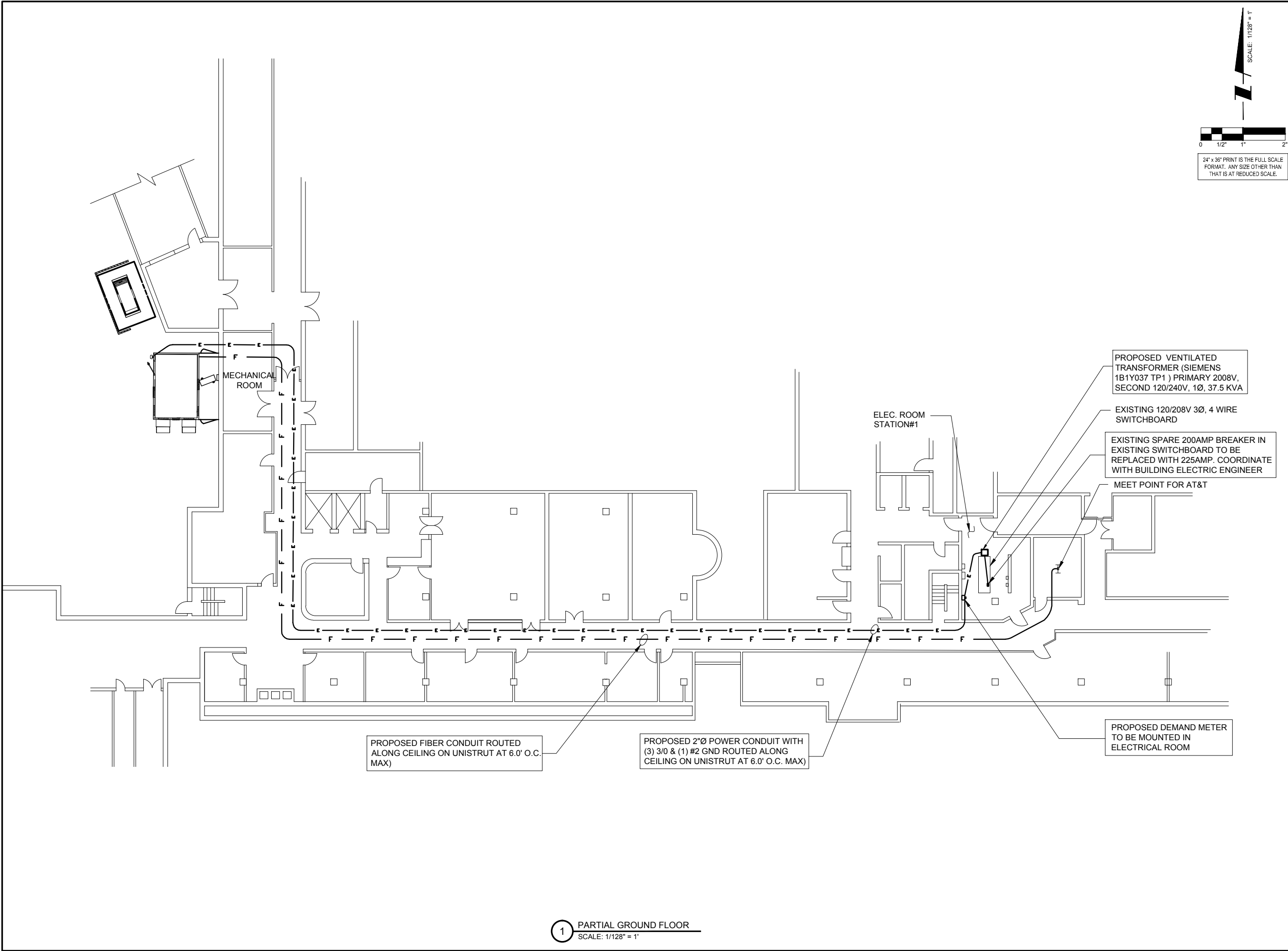
YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
UTILITY ROUTING PLAN

SHEET NUMBER  
E-1



24" x 36" PRINT IS THE FULL SCALE  
FORMAT. ANY SIZE OTHER THAN  
THAT IS AT REDUCED SCALE.

0 1/2" 1" 2"

SCALE: 1/128" = 1'

**CHICAGO  
SMSA**  
*limited partnership*  
d/b/a VERIZON WIRELESS

**TERRA**  
CONSULTING GROUP, LTD.  
600 BUSSE HIGHWAY  
PARK RIDGE, IL 60068  
PH: 847-698-6400  
FAX: 847-698-6401

| REVISIONS |  | DESCRIPTION                | DATE     | BY     |
|-----------|--|----------------------------|----------|--------|
| NO        |  |                            |          | LRB/LS |
| 1.        |  | ISSUED FOR REVIEW          | 11/21/14 | LS     |
| 2.        |  | UPDATE ECR                 | 03/20/15 | LS     |
| 3.        |  | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 4.        |  | UPDATED NATURAL GAS        | 05/19/15 | DMS    |
|           |  | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
UTILITY ROUTING  
PLAN

SHEET NUMBER

**E-1A**

1. ALL GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC PROCESS CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, ETC. ALL CABLE TO GROUND RODS, GROUND RODS SPLICES AND LIGHTNING PROTECTION SYSTEM AS INDICATED. GROUND FOUNDATION ONLY AS INDICATED BY PM. ALL MATERIALS USED (MOLDS, WELDING, METAL, TOOLS, ETC.) SHALL BE BY EXOTHERMIC PROCESS AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS AND PROCEDURES. GROUND CONDUCTOR SHALL HAVE A MINIMUM 24" BENDING RADIUS.
2. ALL EXOTHERMIC CONNECTIONS ON GALVANIZED SURFACES SHALL BE CLEANED THOROUGHLY AND COLORED TO MATCH SURFACE WITH (2) TWO COATS OF SHERWIN-WILLIAMS GALVITE (WHITE) PAINT B50W3 (OR EQUAL) OR SHERWIN-WILLIAMS SILVERBRITE (ALUMINUM) B59S11 (OR EQUAL).
3. ALL ELECTRICAL & MECHANICAL GROUND CONNECTIONS SHALL HAVE ANTI-OXIDANT COMPOUND APPLIED TO CONNECTION

LEGEND

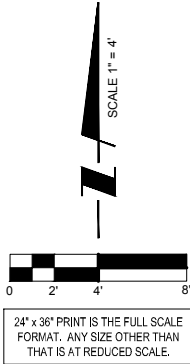
| SYMBOL | DESCRIPTION                                                             |
|--------|-------------------------------------------------------------------------|
|        | 5/8" DIAMETER X 10'-0" LONG COPPER GLAD GROUND ROD (HARGER-5810)        |
|        | 5/8" DIAMETER X 10'-0" LONG COPPER CLAD GROUND ROD WITH INSPECTION WELL |
|        | #2 AWG TNND SOLID BARE COPPER WIRE MINIMUM 42" BELOW GRADE (HARGER-L2)  |
|        | UNDERGROUND ELECTRICAL                                                  |
|        | UNDERGROUND TELEPHONE                                                   |
|        | UNDERGROUND FIBER                                                       |
|        | EXOTHERMIC WELD                                                         |
|        | OVERHEAD ELECTRICAL SERVICE                                             |
|        | OVERHEAD TELEPHONE SERVICE                                              |

4. FENCE/GATE: GROUND FENCE POSTS WITHIN 6 FEET OF ENCLOSURE AND 25 FEET OF TOWER AS INDICATED ON DRAWINGS. GROUND EACH GATE POST AND CORNER POST. GROUND CONNECTIONS TO FENCE POSTS SHALL BE MADE BY THE EXOTHERMIC PROCESS AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY THE EXOTHERMIC PROCESS, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
5. AFTER INSTALLATION OF THE CANOPY AT THE DOOR, GC/EC IS TO BOND THE CANOPY TO THE DOOR FRAME WITH A #2 CONDUCTOR. USE DOUBLE-LUG CONNECTION. PREP AND PAINT SURFACE TO MATCH AFTER INSTALLATION.
6. UTILITY COMPANY COORDINATION: ELECTRICAL CONTRACTOR SHALL CONFIRM THAT ALL WORK IS IN ACCORDANCE WITH THE RULES OF THE LOCAL UTILITY COMPANY BEFORE SUBMITTING THE BID. THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES SUPPLYING SERVICE TO THIS PROJECT AND SHALL DETERMINE FROM THEM ALL EQUIPMENT AND CHARGES WHICH THEY WILL REQUIRE AND SHALL INCLUDE THE COST IN THE BID.
7. GROUND TEST: GROUND TESTS SHALL BE PERFORMED AS REQUIRED BY LESSEE STANDARD PROCEDURES. GROUND GRID RESISTANCE SHALL NOT EXCEED 5 OHMS.
8. CONTRACTOR SHALL SUBMIT THE GROUND RESISTANCE TEST REPORT AS FOLLOWS:
1. ONE (1) COPY TO OWNER REPRESENTATIVE
  2. ONE (1) COPY TO ENGINEER
  3. ONE (1) COPY TO KEEP INSIDE EQUIPMENT ENCLOSURE

- #2 AWG TNND SOLID BARE COPPER CONDUCTOR 42" BELOW GRADE (TYPICAL) MINIMUM 24" BENDING RADIUS
- ENCLOSURE GROUND (TYP.) IN 1/2" DIAMETER SCHEDULE 40 PVC CONDUIT
- GROUND EQUIPMENT ENCLOSURE CONDENSING UNIT WITH MECHANICAL CLAMP
- GROUND ELECTRIC SERVICE ENTRANCE
- BOUND GPS ANTENNA TO GROUND BAR
- BOUND PIPE POST OF ICE BRIDGE TO GROUND RING
- MAINTAIN TWO FOOT DISTANCE OFF OF STRUCTURES.
- GROUND TELEPHONE SERVICE ENTRANCE
- THE GENERATOR GROUND INTO THE SHELTER RING
- GROUND COAXIAL ANTENNA CABLES TO GROUND BAR BY ANTENNA CONTRACTOR TERMINATE CABLES 1'-0" FROM ENCLOSURE AND INSTALL LIGHTNING SURGE ARRESTORS ON EACH CABLE GROUND.
- EXOTHERMICALLY WELD COPPER GROUND BAR TAIL TO EXTERIOR HALO GROUND RING (EXOTHERMIC CONNECTION TYPE TA) BY ANTENNA CONTRACTOR. FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
- 4"x20"x1/4" TNND INSULATED COPPER GROUND BA. NON ISOLATED WITH 10.0' LONG #2 AWG TNND SOLID COPPER WIRE WELDED TAILS (HARGER GBIT 14420VW)
- TWO #2 LEADS FROM THE EGR TO THE MGB LOCATED IN THE SHELTER. CADWELD AT EGR AND DOUBLE HOLE LUGS IN SHELTER.
- 10' LONG GROUND ROD
- GROUND ANTENNA CABLES TO GROUND BAR AT ANTENNA ELEVATION OF TOWER. GROUND BASE GROUND BAR TO GROUND HALO.
- EXISTING TOWER GROUND RING
- 5/8" DIAMETER X 10'-0" LONG COPPER CLAD GROUND ROD (HARGER-5810) WITH EXOTHERMIC CONNECTION



REFER TO SHEET E-5 FOR  
GROUNDING



PROPOSED ANTENNAS TO BE  
MOUNTED INSIDE FIBERGLASS  
ENCLOSURE (EXTENSION OF  
PENTHOUSE)

BOND SECTOR GROUND BAR  
WITH NO. 2 INSULATED  
CONDUCTOR AND ROUTE  
ALONG CABLE TRAY BACK TO  
M.G.B. (TYP.)

BOND PROPOSED  
ANTENNA MOUNTING  
PIPE AND MOUNTING  
BRACKET TO GROUND  
BAR (TYP.)

ATTACH GROUND KITS TO  
ANTENNA CABLES AT MOUNT  
LOCATION AND BOND TO  
SECTOR GROUND BAR (TYP.)

SECTOR GROUND BAR  
MOUNTED TO PROPOSED  
SCREEN SUPPORT FRAME  
(TYP.)

1 SITE GROUNDING PLAN  
SCALE: 1" = 4'

**CHICAGO  
SMSA**  
*limited partnership*  
d/b/a VERIZON WIRELESS



| REVISIONS |  | BY     | DATE     | DESCRIPTION                |
|-----------|--|--------|----------|----------------------------|
|           |  | LRB/LS | 11/21/14 | ISSUED FOR REVIEW          |
| 1.        |  | LS     | 03/20/15 | UPDATE ECR                 |
| 2.        |  | LS     | 04/30/15 | UPDATE PER UTILITY WALK    |
| 3.        |  | DMS    | 05/19/15 | UPDATED NATURAL GAS        |
| 4.        |  | JTM    | 07/07/15 | ADDITION OF LANDSCAPE PLAN |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

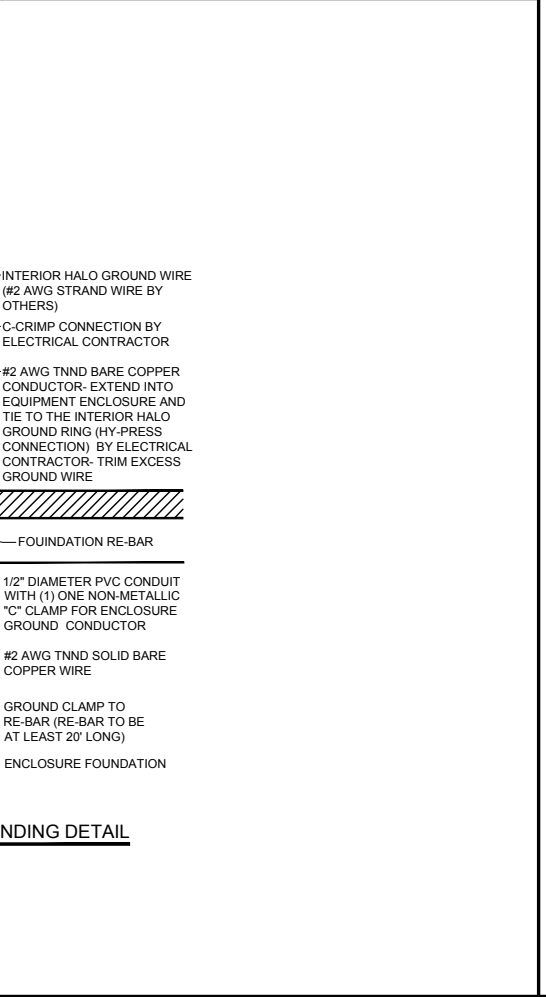
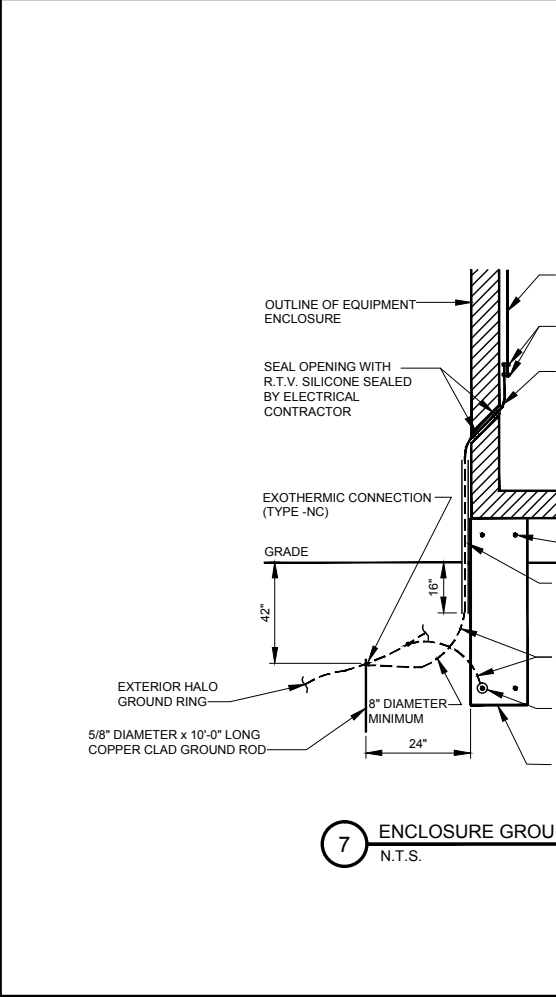
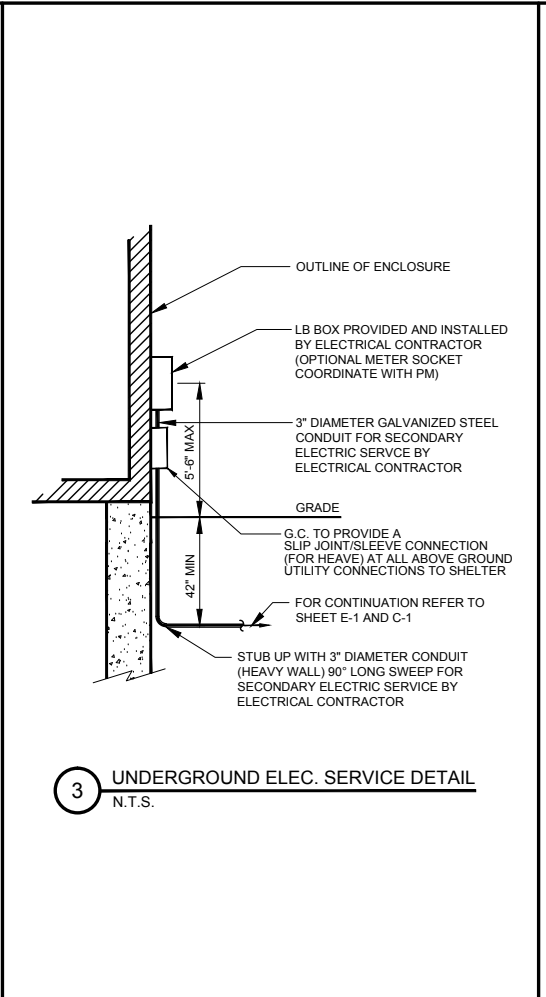
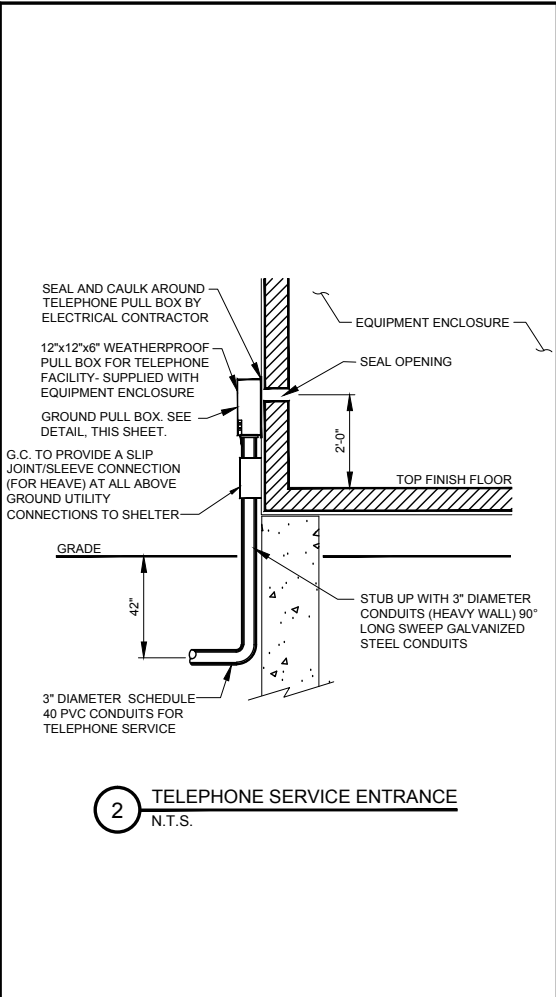
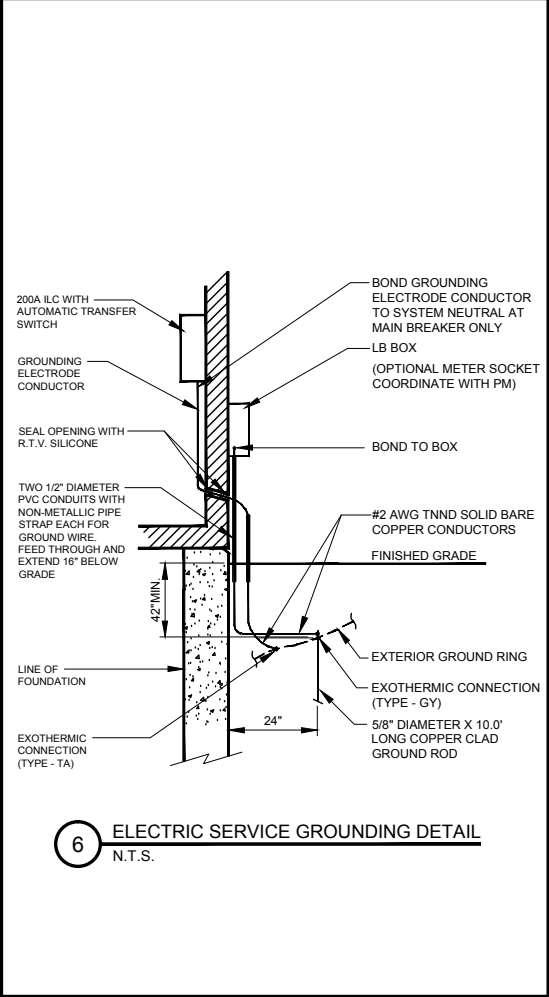
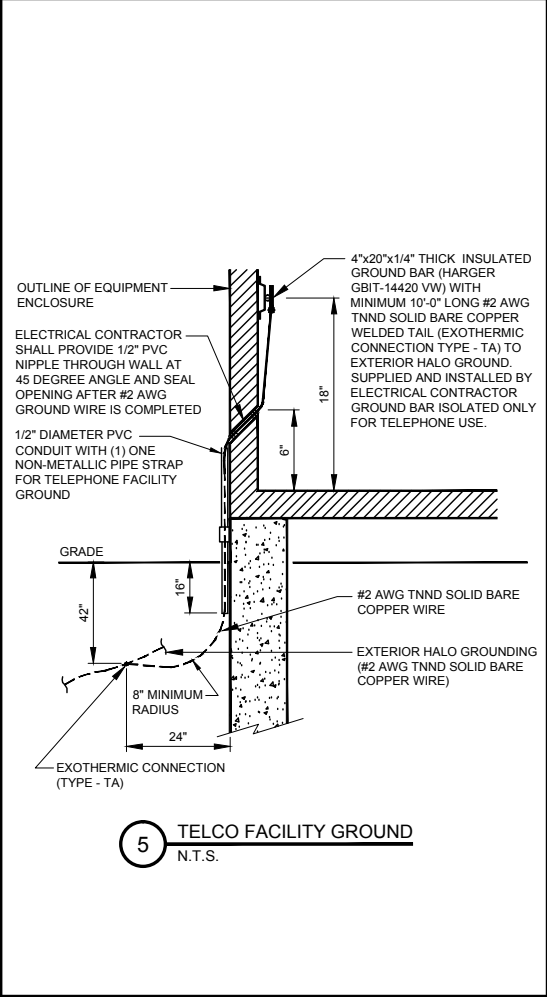
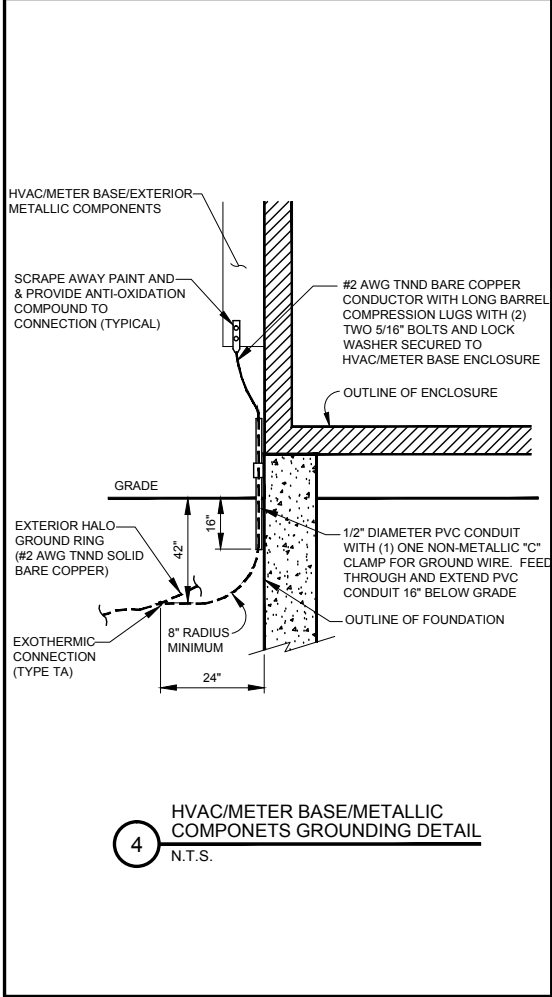
|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
SITE  
GROUNDING PLAN

SHEET NUMBER

**E-2**





CHICAGO  
SMSA

limited partnership  
d/b/a VERIZON WIRELESS

TERRA

CONSTRUCTION GROUP, LTD.

600 BUSSE HIGHWAY  
PARK RIDGE, IL 60068  
PH: 847-698-6400  
FAX: 847-698-6401

| REVIEWS |    | BY     | DATE     | DESCRIPTION                |
|---------|----|--------|----------|----------------------------|
|         | NO | LRB/LS | 11/21/14 | ISSUED FOR REVIEW          |
|         | 1. | LS     | 03/20/15 | UPDATE ECR                 |
|         | 2. | LS     | 04/30/15 | UPDATE PER UTILITY WALK    |
|         | 3. | DMS    | 05/19/15 | UPDATED NATURAL GAS        |
|         | 4. | JTM    | 07/07/15 | ADDITION OF LANDSCAPE PLAN |

LOC. #282639

YALE & OAKTON

800 W. OAKTON ST.  
ARLINGTON HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE

ELECTRICAL AND GROUNDING DETAILS

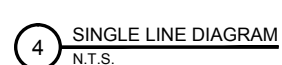
SHEET NUMBER

E-3



- 
- GROUND LEAD W/ 2-HOLE LONG-BARREL LUG
- S.S. NUT
- S.S. LOCK WASHER
- S.S. FLAT WASHER
- S.S. DRAGON TOOTH WASHER (REQUIRED ONLY IF BASE MATERIAL IS STEEL)
- CLEAR HEAT SHRINK WRAP (TYP.)
- 1"
- $\frac{1}{8}$ " MIN.
- LABEL ORIGIN & DESTINATION EACH END OF GROUND BAR LEADS
- $\frac{1}{8}$ "
- $\frac{1}{4}$ " MIN.
- BASE MATERIAL
- ANTIOXIDANT COMPOUND
- S.S. FLAT WASHER
- S.S. BOLT

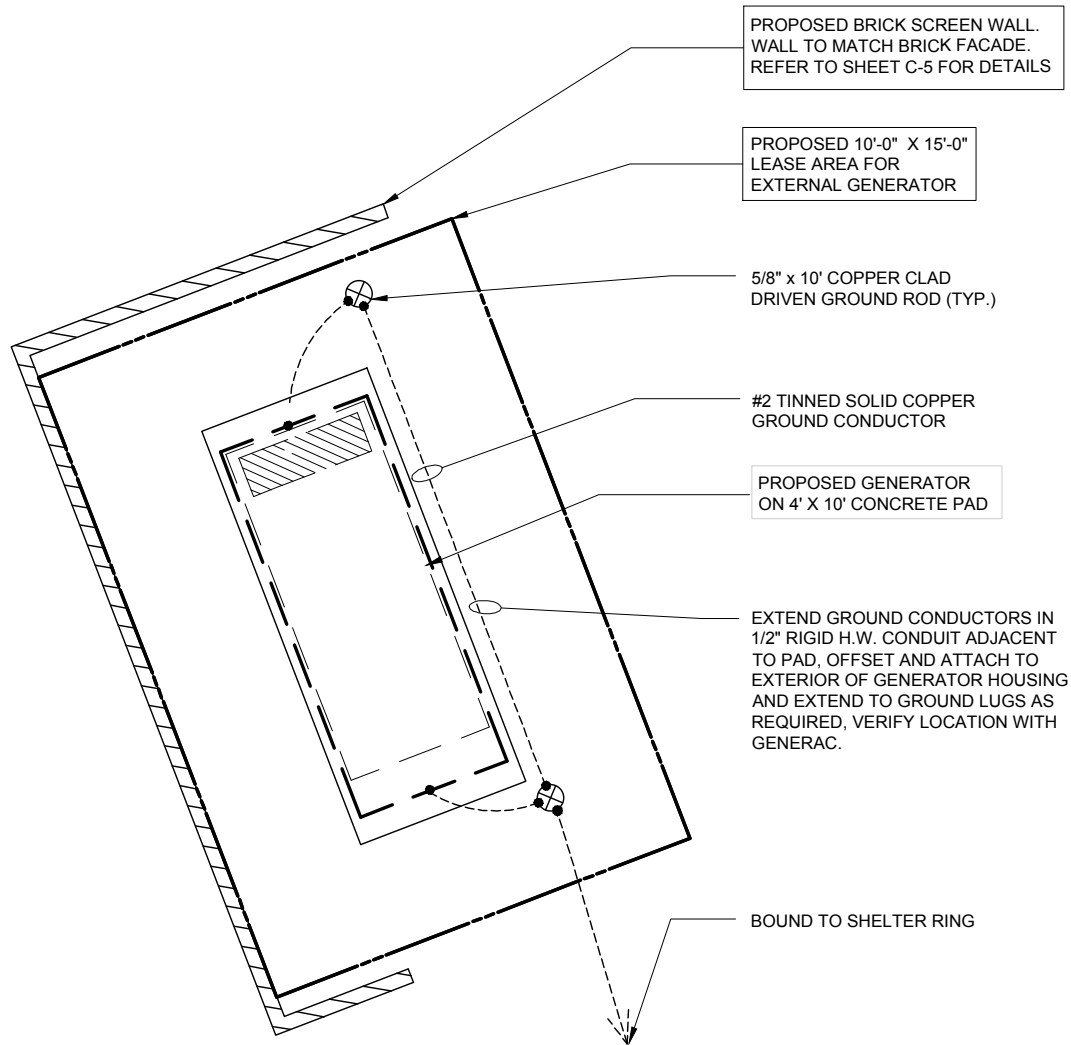
2 GROUND LIG INSTALLATION DETAIL  
N.T.S.



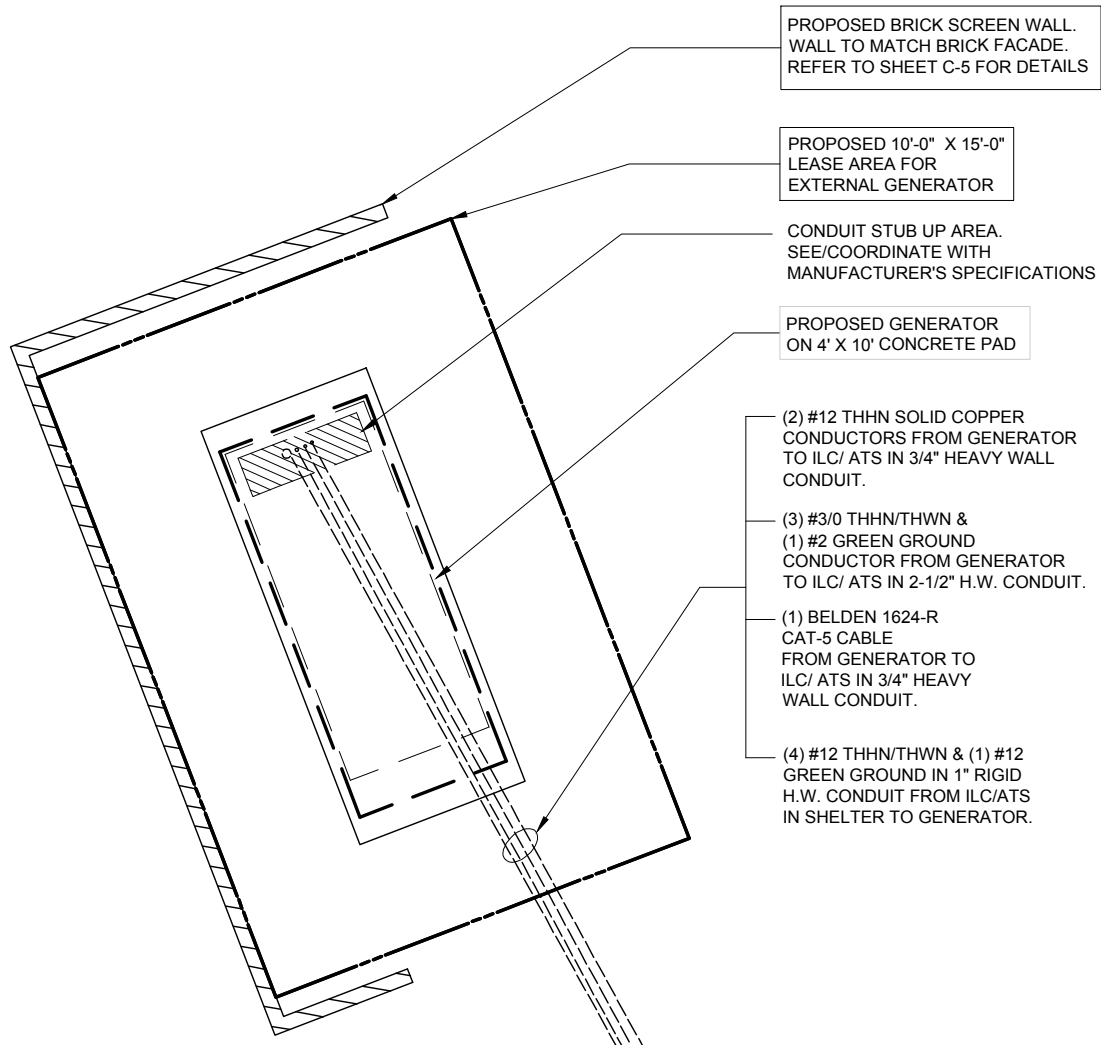
**TERRA**  
CONSULTING GROUP, LTD.  
600 BUSSE HIGHWAY  
PARK RIDGE, IL 60068  
PH: 847-698-6400  
FAX: 847-698-6401

| REVISIONS |                            |          |        |
|-----------|----------------------------|----------|--------|
| NO.       | DESCRIPTION                | DATE     | BY     |
| -         | ISSUED FOR REVIEW          | 11/21/14 | LR/LLS |
| 1.        | UPDATE ECR                 | 03/20/15 | LS     |
| 2.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |
| 3.        | UPDATED NATURAL GAS        | 05/19/15 | DMS    |
| 4.        | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |
|           |                            |          |        |

**E-4**



1 GENERATOR GROUNDING PLAN  
SCALE: 1"=2'-0"



2 GENERATOR ROUTING LINES  
SCALE: 1"=2'-0"

| REVISIONS |                            | DATE     | BY     |
|-----------|----------------------------|----------|--------|
| NO        | DESCRIPTION                |          | LRB/LS |
| 1.        | ISSUED FOR REVIEW          | 11/21/14 | LS     |
| 2.        | UPDATE ECR                 | 03/20/15 | LS     |
| 3.        | UPDATE PER UTILITY WALK    | 04/30/15 | DMS    |
| 4.        | UPDATED NATURAL GAS        | 05/19/15 | JTM    |
|           | ADDITION OF LANDSCAPE PLAN | 07/07/15 |        |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
GENERATOR  
GROUNDING AND  
ROUTING LINES

SHEET NUMBER

**E-5**



THE CONSTRUCTION DOCUMENT DRAWINGS ARE INTERRELATED. WHEN PERFORMING THE WORK, EACH CONTRACTOR MUST REFER TO ALL DRAWINGS. COORDINATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

PART 1 – GENERAL

- A. OBTAIN AND SUBMIT RELEASES ENABLING THE OWNER UNRESTRICTED USE OF THE WORK AND ACCESS TO SERVICES AND UTILITIES; INCLUDE OCCUPANCY PERMITS, OPERATING CERTIFICATES AND SIMILAR RELEASES.
- B. SUBMIT RECORD DRAWINGS, DAMAGE OR SETTLEMENT SURVEY, PROPERTY SURVEY, AND SIMILAR FINAL RECORD INFORMATION.
- C. COMPLETE FINAL CLEAN UP REQUIREMENTS, INCLUDING TOUCH-UP PAINTING. TOUCH UP AND OTHERWISE REPAIR AND RESTORE MARRED EXPOSED FINISHES.

## PART 2 - FINAL CLEANING

1. COMPLETE THE FOLLOWING CLEANING OPERATIONS BEFORE REQUESTING INSPECTION FOR CERTIFICATION OF COMPLETION.
  - A. CLEAN THE PROJECT SITE, YARD AND GROUNDS, IN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, INCLUDING LANDSCAPE DEVELOPMENT AREAS, OF RUBBISH, WASTE MATERIAL, LITTER AND FOREIGN SUBSTANCES. SWEEP PAVED AREAS BROOM CLEAN. REMOVE PETRO-CHEMICALS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS THAT ARE NEITHER PLANTED NOR PAVED, TO A SMOOTH EVEN-TEXTURED SURFACE.
  - B. REMOVE TOOLS, CONSTRUCTION EQUIPMENT, MACHINERY AND SURPLUS MATERIAL FROM THE SITE.
  - C. REMOVE SNOW AND ICE TO PROVIDE SAFE ACCESS TO THE SITE AND EQUIPMENT ENCLOSURE.
  - D. CLEAN EXPOSED EXTERIOR AND INTERIOR HARD-SURFACED FINISHES TO A DIRT-FREE CONDITION, FREE OF STAINS, FILMS AND SIMILAR FOREIGN SUBSTANCES. AVOID DISTURBING NATURAL WEATHERING OF EXTERIOR SURFACES.
  - E. REMOVE DEBRIS FROM LIMITED ACCESS SPACES, INCLUDING ROOFS, EQUIPMENT ENCLOSURE, MANHOLES, AND SIMILAR SPACES.
  - F. REMOVE LABELS THAT ARE NOT PERMANENT LABELS.
  - G. TOUCH-UP AND OTHERWISE REPAIR AND RESTORE MARRED EXPOSED FINISHES AND SURFACES. REPLACE FINISHES AND SURFACES THAT CAN NOT BE SATISFACTORILY REPAIRED OR RESTORED, OR THAT SHOW EVIDENCE OF REPAIR OR RESTORATION. DO NOT PAINT OVER "UL" AND SIMILAR LABELS, INCLUDING ELECTRICAL NAME PLATES.
  - H. LEAVE THE PROJECT CLEAN AND READY FOR OCCUPANCY.
  - I. DUST-OFF ALL EQUIPMENT, INCLUDING BATTERY PACKS, WITHIN EQUIPMENT ENCLOSURE.
  - J. WASH AND WAX FLOOR WITHIN EQUIPMENT ENCLOSURE.
2. REMOVAL OF PROTECTION: REMOVE TEMPORARY PROTECTION AND FACILITIES INSTALLED DURING CONSTRUCTION TO PROTECT PREVIOUSLY COMPLETED INSTALLATIONS DURING THE REMAINDER OF THE CONSTRUCTION PERIOD.

PART 1 – GENERAL

- WORK INCLUDED: SEE SITE PLAN.
2. DESCRIPTIONS  
ACCESS DRIVE W/ TURNAROUND AREA, LEASE AREA, AND IF APPLICABLE UNDERGROUND UTILITY EASEMENTS ARE TO BE CONSTRUCTED TO PROVIDE A WELL DRAINED, EASILY MAINTAINED, EVEN SURFACE FOR MATERIAL AND EQUIPMENT DELIVERIES AND MAINTENANCE PERSONNEL ACCESS.
3. QUALITY ASSURANCE
  - A. APPLY SOIL STERILIZER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS (AS NEEDED).
  - B. APPLY AND MAINTAIN GRASS SEED AS RECOMMENDED BY THE SEED PRODUCER (IF REQUIRED).
  - C. PLACE AND MAINTAIN VEGETATION LANDSCAPING, IF INCLUDED WITHIN THE CONTRACT, AS RECOMMENDED BY NURSERY INDUSTRY STANDARDS.
4. SEQUENCING
  - A. CONFIRM SURVEY STAKES AND SET ELEVATION STAKES PRIOR TO ANY CONSTRUCTION.
  - B. COMPLETELY GRUB THE ACCESS DRIVE W/ TURNAROUND, UNDERGROUND UTILITY EASEMENTS, (IF APPLICABLE) AND LEASE AREA PRIOR TO FOUNDATION CONSTRUCTION, PLACEMENT OF BACKFILL AND SUB-BASE MATERIAL.
  - C. CONSTRUCT TEMPORARY CONSTRUCTION AREA ALONG ACCESS DRIVE.
  - D. BRING THE LEASE AREA AND ACCESS DRIVE W/ TURNAROUND TO BASE COURSE ELEVATION PRIOR TO INSTALLING FOUNDATION.
  - E. APPLY SOIL STERILIZER PRIOR TO PLACING BASE MATERIALS.
  - F. GRADE, SEED, FERTILIZE, AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION (INCLUDING UNDERGROUND UTILITY EASEMENTS) IMMEDIATELY AFTER BRINGING LEASE AREA AND ACCESS DRIVE W/ TURNAROUND TO BASE COURSE ELEVATION, WATER TO ENSURE GROWTH.
  - G. REMOVE GRAVEL FROM TEMPORARY CONSTRUCTION ZONE TO AN AUTHORIZED AREA OR AS DIRECTED BY PROJECT MANAGER.
  - H. AFTER APPLICATIONS OF FINAL SURFACES, APPLY SOIL STERILIZER TO STONE SURFACES.
5. SUBMITTALS
  - A. BEFORE CONSTRUCTION  
IF LANDSCAPING IS APPLICABLE TO THE CONTRACT, SUBMIT TWO COPIES OF THE LANDSCAPE PLAN UNDER NURSERY LETTERHEAD. IF A LANDSCAPE ALLOWANCE WAS INCLUDED IN THE CONTRACT, PROVIDE AN ITEMIZED LISTING OF PROPOSED COSTS ON NURSERY LETTERHEAD (REFER TO PLANS FOR LANDSCAPING REQUIREMENTS).
  - B. AFTER CONSTRUCTION
    1. MANUFACTURER'S DESCRIPTION OF PRODUCT AND WARRANTY STATEMENT ON SOIL STERILIZED.
    2. MANUFACTURER'S DESCRIPTION OF PRODUCT ON GRASS SEED AND FERTILIZER
    3. LANDSCAPING WARRANTY STATEMENT.
6. WARRANTY
  - A. IN ADDITION TO THE WARRANTY ON ALL CONSTRUCTION COVERED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPAIR ALL DAMAGE AND RESTORE AREA AS CLOSE TO ORIGINAL CONDITION AS POSSIBLE AT SITE AND SURROUNDINGS.
  - B. SOIL STERILIZATION APPLICATION TO GUARANTEE VEGETATION FREE ROAD AND SITE AREAS FOR ONE YEAR FROM DATE OF FINAL INSPECTION.
  - C. DISTURBED AREAS WILL REFLECT GROWTH OF NEW GRASS COVER PRIOR TO FINAL INSPECTION.
  - D. LANDSCAPING, IF INCLUDED WITHIN THE SCOPE OF THE CONTRACT, WILL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL INSPECTION.

## PART 2 – PRODUCTS

1. MATERIALS
- A. SOIL STERILIZER SHALL BE EPA-REGISTERED, PRE-EMERGENCE LIQUID:

TOTAL KILL  
PRODUCT 910  
EPA 10292-7

PHASAR CORPORATION  
P.O. BOX 5123  
DEARBORN, MI 48128  
(313) 563-8000

AMBUSH HERBICIDE  
EPA REGISTERED

FRAMAR INDUSTRIAL PRODUCTS  
1435 MORRIS AVE.  
UNION, NJ 07083  
(800) 526-4924

- B. ROAD AND SITE MATERIALS SHALL CONFORM TO IDOT SPECIFICATIONS FILL MATERIAL (UNLESS OTHERWISE NOTED) - ACCEPTABLE SELECT FILL SHALL BE IN ACCORDANCE WITH STATE DEPARTMENT OF HIGHWAY AND TRANSPORTATION STANDARD SPECIFICATIONS..
- C. SOIL STABILIZER FABRIC SHALL BE MIRAFI - 500X.

PART 3 – EXECUTION

- INSPECTIONS
- LOCAL BUILDING INSPECTORS SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS, UNLESS OTHERWISE SPECIFIED BY JURISDICTION.
2. PREPARATION
- A. CLEAR TREES, BRUSH AND DEBRIS FROM LEASE AREA, ACCESS DRIVE W/ TURN-AROUND AND UNDER GROUND UTILITY EASEMENTS AS REQUIRED FOR CONSTRUCTION.
- B. PRIOR TO OTHER EXCAVATION AND CONSTRUCTION, GRUB ORGANIC MATERIAL TO A MINIMUM OF SIX INCHES (6") BELOW GRADE.
- C. UNLESS OTHERWISE INSTRUCTED BY LESSEE, TRANSPORT ALL REMOVED TREES, BRUSH AND DEBRIS FROM THE PROPERTY TO AN AUTHORIZED LANDFILL.
- D. PRIOR TO PLACEMENT OF FILL OR BASE MATERIALS, ROLL THE SOIL.
- E. WHERE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, LINE THE AREAS WITH STABILIZER MAT PRIOR TO PLACEMENT OF FILL OR BASE MATERIAL.
3. INSTALLATION
- A. GRADE OR FILL THE LEASE AREA AND ACCESS DRIVE W/ TURNAROUND AS REQUIRED IN ORDER THAT UPON DISTRIBUTION OF SPOILS, RESULTING FROM EXCAVATIONS, THE RESULTING GRADE WILL CORRESPOND WITH SAID SUB-BASE COURSE. ELEVATIONS ARE TO BE CALCULATED FROM BENCHMARK, FINISHED GRADES, OR INDICATED SLOPES.
- B. CLEAR EXCESS SPOILS, IF ANY, FROM JOB SITE AND DO NOT SPREAD BEYOND THE LIMITS OF PROJECT AREA UNLESS AUTHORIZED BY PROJECT MANAGER AND AGREED TO BY LANDOWNER.
- C. BRING THE ACCESS DRIVE W/ TURNAROUND TO BASE COURSE ELEVATION TO FACILITATE CONSTRUCTION AND OBSERVATION DURING CONSTRUCTION OF THE SITE.
- D. AVOID CREATING DEPRESSIONS WHERE WATER MAY POND.
- E. THE CONTRACT SHALL INCLUDE GRADING, BANKING, AND DITCHING, UNLESS OTHERWISE INDICATED.
- F. WHEN IMPROVING AN EXISTING ACCESS DRIVE, GRADE THE EXISTING DRIVE TO REMOVE ANY ORGANIC MATTER AND SMOOTH THE SURFACE BEFORE PLACING FILL OR STONE.
- G. PLACE FILL OR STONE IN SIX INCH (6") MAXIMUM LIFTS, AND COMPACT BEFORE PLACING NEXT LIFT.
- H. THE TOP SURFACE COURSE, SHALL EXTEND A MINIMUM OF ONE FOOT (1') BEYOND THE SITE FENCE (UNLESS OTHERWISE NOTED) AND SHALL COVER THE AREA AS INDICATED.
- I. APPLY RIPRAP TO THE SIDE SLOPES OF ALL FENCED SITE AREAS, PARKING AREAS, AND ALL OTHER SLOPES GREATER THAN 2:1.
- J. APPLY RIPRAP TO THE SIDES OF DITCHES OR DRAINAGE SWALES.
- K. RIPRAP ENTIRE DITCH FOR SIX FEET (6') IN ALL DIRECTIONS AT CULVERT OPENINGS.
- L. APPLY SEED, FERTILIZER, AND STRAW COVER TO ALL OTHER DISTURBED AREAS, DITCHES, AND DRAINAGE SWALES, NOT OTHERWISE RIPRAPPED.
- M. UNDER NO CIRCUMSTANCES WILL DITCHES, SWALES, OR CULVERTS BE PLACED SO THAT THEY DIRECT WATER TOWARDS, OR PERMIT STANDING WATER IMMEDIATELY ADJACENT TO, SHELTER OR EQUIPMENT. IF DESIGNS OR ELEVATIONS ARE IN CONFLICT WITH THIS, ADVISE CONSTRUCTION MANAGER IMMEDIATELY.
- N. IN DITCHES WITH SLOPES GREATER THAN 10% MOUND DIVERSIONARY HEADWALLS IN THE DITCH AT CULVERT ENTRANCES. POSITION THE HEADWALL AT AN ANGLE NO GREATER THAN 60° OFF THE DITCH LINE. RIPRAP THE UPSTREAM SIDE OF THE HEADWALL AS WELL AS THE DITCH FOR SIX FEET (6') ABOVE THE CULVERT ENTRANCE.
- D. ALL POSTS SHALL BE SCHEDULE - 40 MECHANICAL SERVICE PIPE AND SHALL BE TYPE 1 ASTM A-128 AND OF THE FOLLOWING DIAMETER
- | LINE   | 2" SCHEDULE 40 (2 3/8" O.D.) |
|--------|------------------------------|
| CORNER | 3" SCHEDULE 40 (3 1/2" O.D.) |
| GATE   | 3" SCHEDULE 40 (3 1/2" O.D.) |
- E. GATE POSTS SHALL BE EXTENDED 12 INCHES, INCLUDING DOME CAP, TO PROVIDE FOR ATTACHMENT OF BARBED WIRE.
- F. ALL TOP AND BRACE RAILS SHALL BE 1" DIAMETER SCHEDULE - 40 MECHANICAL-SERVICE PIPE.
- G. GATE FRAMES AND BRACES SHALL BE 1.90 INCH DIAMETER SCHEDULE 40 MECHANICAL-SERVICE PIPE. FRAMES SHALL HAVE WELDED CORNERS.
- H. GATE FRAMES SHALL HAVE A FULL-HEIGHT VERTICAL BRACE, AND A FULL-WIDTH HORIZONTAL BRACE, SECURED IN PLACE BY USE OF GATE BRACE CLAMPS.
- I. GATE HINGES SHALL BE MERCHANTS METAL MODEL 64386 HINGE ADAPTER WITH MODEL 6409, 188-DEGREE ATTACHMENT.
- J. THE GUIDE (LATCH ASSEMBLY) SHALL BE HEAVY INDUSTRIAL DOUBLE GATE LATCH. SEE DETAIL.
- K. LATCHES AND STOPS SHALL BE PROVIDED FOR ALL GATES.
- L. PLUNGER ROD COMPLETE WITH RECEPTOR TO BE PROVIDED AT THE INACTIVE LEAF OF ALL DOUBLE GATE INSTALLATIONS.
- M. ALL STOPS SHALL HAVE KEEPERS CAPABLE OF HOLDING THE GATE LEAF IN THE OPEN POSITION
- N. A NO. 7 GAUGE ZINC COATED TENSION WIRE SHALL BE USED AT THE BOTTOM OF THE FABRIC, TERMINATED WITH BAND CLIPS AT CORNER AND GATE POSTS.
- O. A SIX-INCH BY 1/2-INCH DIAMETER EYEBOLT TO HOLD TENSION WIRE SHALL BE PLACED AT LINE POSTS.
- P. STRETCHER BARS SHALL BE 3/16-INCH BY 3/4-INCH OR HAVE EQUIVALENT CROSS-SECTIONAL AREA.
- Q. ALL CORNER GATE AND PANELS SHALL HAVE A 3/8-INCH TRUSS ROD WITH TURNBUCKLES.
- R. ALL POSTS EXCEPT GATE POSTS SHALL HAVE A COMBINATION CAP AND BARBED WIRE SUPPORTING ARM. GATE POSTS SHALL HAVE A DOME CAP.
- S. OTHER HARDWARE INCLUDES BUT MAY NOT BE LIMITED TO THE CLIPS, BAND CLIPS AND TENSION BAND CLIPS.
- T. BARBED WIRE GATE GUARDS SHALL BE FITTED WITH DOME CAPS.
- U. BARBED WIRE SUPPORT ARMS SHALL BE PRESSED STEEL COMPLETE WITH SET BOLT AND LOCK WIRE IN THE ARM.
- V. ALL CAPS SHALL BE MALLEABLE IRON, DOME OR ACORN SHAPED AS REQUIRED BY PIPE SIZE.
- W. WHERE THE USE OF CONCERTINA HAS BEEN SPECIFIED, 24-INCH DIAMETERS COIL BARBED TAPE, STAINLESS STEEL, CYCLONE FENCE MODEL GBP TO TYPE III SHALL BE FURNISHED. IT SHALL BE SUPPORTED ABOVE THE TOP RAIL BY USE OF SIX(6) WIRE BARBED WIRE ARMS POSITIONED ATOP EACH LINE/CORNER POST.
- PART 3 - EXECUTION**

### PART 3 – EXECUTION

1. INSPECTION  
TO CONFIRM PROPER DEPTH AND DIAMETER OF POST HOLE EXCAVATIONS. ALL POST HOLES WILL BE EXCAVATED AS PER CONSTRUCTION DOCUMENTS.
2. INSTALLATION
  - A. FOUNDATIONS SHALL HAVE A MINIMUM SIX INCH (6") CONCRETE COVER UNDER POSTS.
  - B. ALL FENCE POSTS SHALL BE VERTICALLY PLUMB ; ONE QUARTER INCH (1/4")
  - C. AT CORNER POSTS, GATE POSTS, AND SIDES OF GATE FRAME, FABRIC SHALL BE ATTACHED WITH STRETCHER AND TENSION BAND-CLIPS AT FIFTEEN(15) INCH INTERVALS.
  - D. AT LINE POSTS, FABRIC SHALL BE ATTACHED WITH BAND-CLIPS AT FIFTEEN INCH (15") INTERVALS.
  - E. FABRIC SHALL BE ATTACHED TO BRACE RAILS, TENSION WIRE AND TRUSS RODS WITH TIE-CLIPS AT TWO FOOT (2') INTERVALS.
  - F. A MAXIMUM GAP OF ONE INCH WILL BE PERMITTED BETWEEN TIE CHAIN LINE FABRIC AND THE FINAL GRADE.
  - G. GATE SHALL BE INSTALLED SO LOCKS ARE ACCESSIBLE FROM BOTH SIDES.
  - H. GATE HINGE BOLTS SHALL HAVE THEIR THREADS PEENED OR WELDED TO PREVENT UNAUTHORIZED REMOVAL.
  - I. CONCRETE TO BE A MINIMUM OF 4,000 PSI AT 7 DAYS. CEMENT SHALL EXCEED ASTM C150, TYPE IIIA.
3. PROTECTION  
UPON COMPLETION OF ERECTION, INSPECT FENCE MATERIAL AND PAINT FIELD CUTS OR GALVANIZING BREAKS WITH ZINC-BASED PAINT, COLOR TO MATCH THE GALVANIZED METAL.

### APPLICABLE STANDARDS

ASTM-A120 SPECIFICATION FOR PIPE, STEEL BLACK AND HOT-DIPPED ZINC COATED (GALVANIZED) WELDED AND SEAMLESS, FOR ORDINARY USES.

ASTM-A123 ZINC (HOT-DIP GALVANIZED) COATING ON IRON AND STEEL PRODUCTS.

ASTM-A153      STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP)  
ON IRON AND STEEL HARDWARE.

ASTM-A392 SPECIFICATION FOR ZINC-COATED STEEL CHAIN LINK FENCE FABRIC.

ASTM-A491 SPECIFICATION FOR ALUMINUM-COATED STEEL CHAIN LINK  
FENCE FABRIC

ASTM-A525      STANDARD SPECIFICATION FOR STEEL SHEET ZINC COATED  
(GALVANIZED) BY THE HOT-DIPPED PROCESS.

ASTM-A570 SPECIFICATION FOR HOT-ROLLED CARBON STEEL SHEET AND STRIP  
STRUCTURAL QUALITY.

ASTM-A535 SPECIFICATION FOR ALUMINUM COATED STEEL BARBED WIRE.

FEDERAL SPECIFICATION RR-F-191- FENCING, WIRE AND POST METAL (AND GATES, CHAIN LINK FENCE FABRIC, AND ACCESSORIES)

SECTION 03000 - BASIC CONCRETE MATERIALS AND METHODS

PART 1 – GENERAL

1. WORK INCLUDED  
FORMWORK, REINFORCEMENT, ACCESSORIES, CAST-IN-PLACE CONCRETE, FINISHING, AND CURING.
2. INSPECTIONS
  - A. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING BUILDING DEPARTMENT INSPECTIONS REQUIRED FOR HIS SCOPE OF WORK.
  - B. ALL REINFORCING STEEL SHALL BE INSPECTED AND APPROVED BY THE LESSEE'S CONSTRUCTION MANAGER PRIOR TO PLACEMENT OF CONCRETE.
  - C. THE LESSEE'S CONSTRUCTION MANAGER SHALL BE NOTIFIED NO LESS THAN 48 HOURS IN ADVANCE OF CONCRETE POURS.
3. QUALITY ASSURANCE
  - A. CONSTRUCT AND ERECT CONCRETE FORMWORK IN ACCORDANCE WITH ACI 301 AND ACI 318.
  - B. PERFORM CONCRETE REINFORCING WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ASTM A184.
  - C. PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH ACI 301, ACI 318, AND ACI 117-90.
  - D. OPEN FOUNDATION TRENCHES SHALL BE INSPECTED BY MES PRIOR TO CONCRETE INSTALLATION.
4. SUBMITTALS  
SUBMIT CONCRETE MIX AND REINFORCING STEEL SHOP DRAWINGS FOR APPROVAL BY LESSEE CONSTRUCTION MANAGER/ENGINEER. THE SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF TWO (2) CONCRETE MIX DESIGN INFORMATION SHEETS AND TWO (2) BLUELINE DRAWINGS FOR REINFORCING STEEL.

PART 2 – PRODUCTS

3. REINFORCEMENT MATERIALS
- A. REINFORCEMENT STEEL, ASTM A615, 60 ksi YIELD GRADE, DEFORMED BILLET STEEL BARS, PLAIN FINISH.
  - B. WELDED STEEL WIRE FABRIC ASTM A185 PLAIN TYPE, IN FLAT SHEETS, PLAIN FINISH.
  - C. CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS. SIZED AND SHAPED FOR SUPPORTS OF REINFORCING.
  - D. FABRICATE CONCRETE REINFORCING IN ACCORDANCE WITH ACI 315, ACI 318, ASTM A184
2. CONCRETE MATERIALS
- A. CEMENT: ASTM C150, PORTLAND TYPE
  - B. FINE AND COURSE AGGREGATES: ASTM C33 – MAXIMUM SIZE OF CONCRETE AGGREGATE SHALL NOT EXCEED ; ONE INCH (1") SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR ONE-THIRD (1/3) CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING.
  - C. WATER: CLEAN AND NOT DETRIMENTAL TO CONCRETE
  - D. AIR ENTRAINING ADMIXTURE: ASTM C260
  - E. BONDING AGENT: LATEX EMULSION FOR BONDING NEW TO OLD CONCRETE AS MANUFACTURED BY DAYTON SUPERIOR.
  - F. NON-SHRINK GROUT: PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICISING AGENTS.
3. CONCRETE MIX
- A. CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE A.C.I. REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
  - B. MIX AND DELIVER CONCRETE IN ACCORDANCE WITH ASTM C94, ALT. 3.
  - C. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE WITH LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. PROVIDE CONCRETE AS FOLLOWS:
    - 1. COMPRESSIVE STRENGTH: 4000 psi AT 7 DAYS.  
SEE SHEET S-1 FOR CAISSON CONCRETE COMPRESSIVE STRENGTH
    - 2. SLUMP: 3 INCHES
- PART 3 – EXECUTION**
1. INSERTS, EMBEDDED COMPONENTS AND OPENINGS
- A. THE CONTRACTOR SHALL COORDINATE AND CROSS-CHECK ARCHITECTURAL, BUILDING & ELECTRICAL DRAWINGS FOR OPENINGS, SLEEVES, ANCHORS, HANGERS, AND OTHER ITEMS RELATED TO CONCRETE WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THE PROPER LOCATION BEFORE PLACING CONCRETE.
  - B. PROVIDE FORMED OPENINGS WHERE REQUIRED FOR WORK TO BE EMBEDDED IN AND PASSING THROUGH CONCRETE MEMBERS.
  - C. COORDINATE WORK OF OTHER SECTIONS IN FORMING AND SETTING OPENING, SLOTS, RECESSES, CHASES, SLEEVES, BOLTS, ANCHORS, AND OTHER INSERTS.
  - D. INSTALL CONCRETE ACCESSORIES STRAIGHT, LEVEL AND PLUMB.
2. REINFORCEMENT PLACEMENT
- A. PLACE REINFORCEMENT, SUPPORTED AND SECURED AGAINST DISPLACEMENT.
  - B. ENSURE REINFORCING IS CLEAN, FREE OF LOOSE SCALE, DIRT, OR OTHER FOREIGN COATINGS.
  - C. WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
  - D. MINIMUM CONCRETE COVER FOR REINFORCING SHALL BE THREE INCHES (3") UNLESS OTHERWISE NOTED.
  - E. CONCRETE COVER FROM TOP OF FOUNDATION TO ENDS OF VERTICAL REINFORCEMENT SHALL NOT EXCEED THREE INCHES (3") NOR BE LESS THAN TWO INCHES (2").
3. PLACING CONCRETE
- A. VIBRATE ALL CONCRETE.
  - B. ALL CONCRETE WORK SHALL ADHERE TO THE LATEST A.C.I. STANDARDS FOR WINTER POURING AND CURING PROCEDURES IF SEASONAL CONDITIONS APPLY
4. CURING
- A. AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING.
  - B. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR A PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.
5. PROVIDE HAND RUBBED SMOOTH FINISH TO ALL EXPOSED VERTICAL FORMED CONCRETE SURFACES.
6. FIELD QUALITY CONTROL
- A. SUBMIT THREE (3) CONCRETE TEST CYLINDERS – TAKEN FOR EVERY 15 CUBIC YARD OR LESS. SUBMIT CONCRETE TESTS TO THE PROJECT MANAGER IN ACCORDANCE WITH ASTM – C-31 AND C-39.
  - B. SUBMIT ONE (1) ADDITIONAL TEST CYLINDER – TAKEN DURING COLD WEATHER POURS, AND CURED ON JOB SITE UNDER SAME CONDITIONS AS CONCRETE IT REPRESENTS.
  - C. SUBMIT ONE (1) SLUMP TEST – TAKEN FOR EACH SET OF TEST CYLINDERS TAKEN.
7. DEFECTIVE CONCRETE
- MODIFY OR REPLACE CONCRETE NOT CONFORMING TO REQUIRED LINES, DETAILS OR ELEVATIONS AT COST OF GC, AS DIRECTED BY ARCHITECT/ENGINEER.

**CHICAGO  
SMSA**



| REVISIONS |                            |          |       |  |
|-----------|----------------------------|----------|-------|--|
| NO        | DESCRIPTION                | DATE     | BY    |  |
| -         | ISSUED FOR REVIEW          | 11/21/14 | LRBLS |  |
| 1.        | UPDATE ECR                 | 03/20/15 | LS    |  |
| 2.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS    |  |
| 3.        | UPDATED NATURAL GAS        | 05/19/15 | DMS   |  |
| 4.        | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM   |  |
|           |                            |          |       |  |
|           |                            |          |       |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE

**SPECIFICATIONS**

SHEET NUMBER

# SP-1



DIVISION 5: METALS

SECTION 05000 – METALS

PART 1 – GENERAL

1. SECTION INCLUDES:  
STRUCTURAL STEEL FRAMING MEMBERS, BASE PLATES, PLATES, BARS AND GROUTING UNDER BASE PLATES.
2. SUBMITTALS:  
SHOP DRAWINGS: INDICATE SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, CONNECTIONS, CAMBERS, LOADS, AND WELDED SECTIONS.
3. QUALITY ASSURANCE
- A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
- B. PERFORM DESIGN UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE.

PART 2 – PRODUCTS

1. MATERIALS:
- A. STRUCTURAL STEEL MEMBERS: ASTM A572, GRADE 50
- B. STRUCTURAL TUBING: ASTM A500, GRADE B
- C. PIPE: ASTM A53, TYPE E OR S, GRADE B
- D. BOLTS, NUTS, AND WASHERS: ASTM A325
- E. ANCHOR BOLTS: ASTM A307
- F. WELDING MATERIALS: AWS D1.1, TYPE REQUIRED FOR MATERIALS BEING WELDED
- G. GROUT: NON-SHRINK TYPE, PREMIXED COMPOUND CONSISTING OF NONMETALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7000 psi AT 28 DAYS.
- H. SHOP AND TOUCH-UP PRIMER: SSPC 15, TYPE 1, RED OXIDE
- I. TOUCH-UP PRIMER FOR GALV. SURFACES: ZINC RICH TYPE
2. FABRICATION:  
CONTINUOUSLY SEAL JOINTED MEMBERS BY CONTINUOUS WELDS. GRIND EXPOSED WELDS SMOOTH.
3. FINISH:
- A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP-1 TO SP-10 PROCEDURES.
- B. STRUCTURAL STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED.

PART 3 – EXECUTION

1. EXAMINATION AND PREPARATION:  
VERIFY THAT THE FIELD CONDITIONS ARE ACCEPTABLE.
2. ERECTION:
- A. ALLOW FOR ERECTION LOADS. PROVIDE TEMPORARY BRACING TO MAINTAIN FRAMING IN ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRIDGING AND BRACING.
- B. FIELD WELD COMPONENTS INDICATED ON SHOP DRAWINGS.
- C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF THE ARCHITECT/ENGINEER.
- D. AFTER ERECTION, TOUCH-UP WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED OR GALVANIZED WITH TOUCH-UP PRIMERS AS SPECIFIED UNDER SECTION 05000-METALS, PART 2 – PRODUCTS, H & I. SURFACES TO BE IN CONTACT WITH CONCRETE NOT INCLUDED.
3. FIELD QUALITY CONTROL:  
FIELD INSPECTION OF MEMBERS, CONNECTIONS, WELDS AND TORQUING.

DIVISION 16: ELECTRICAL

SECTION 16050 – BASIC ELECTRICAL MATERIALS AND METHODS

1. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO ORDERING THE ELECTRICAL EQUIPMENT AND STARTING THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE ARCHITECT LISTING ANY DISCREPANCIES OR CONFLICTING INFORMATION.
2. ELECTRICAL PLANS, DETAILS AND DIAGRAMS ARE DIAGRAMMATIC ONLY. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS OF ELECTRICAL EQUIPMENT WITH OWNER PRIOR TO INSTALLATION.
3. EACH CONDUCTOR OF EVERY SYSTEM SHALL BE PERMANENTLY TAGGED IN EACH PANELBOARD, PULLBOX, JUNCTION BOX, SWITCH BOX, ETC. THE TYPE OF TAGGING METHODS SHALL BE IN COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (O.S.H.A.).
4. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN GOOD WORKING CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. MATERIALS SHALL BE LISTED "J" WHERE APPLICABLE. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA, NBFU AND "UL" LISTED.
5. ALL CONDUIT SHALL HAVE A PULL CORD.
6. PROVIDE PROJECT MANAGER WITH ONE SET OF COMPLETE ELECTRICAL "AS INSTALLED" DRAWINGS AT THE COMPLETION OF THE JOB, SHOWING ACTUAL DIMENSIONS, ROUTINGS, AND CIRCUITS.
7. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING SHORT CIRCUIT CURRENT TO WHICH THEY MAY BE SUBJECTED, AND A MINIMUM OF 10,000 A.I.C.
8. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED AS REQUIRED BY UBC, NEC AND ALL APPLICABLE CODES.
9. PATCH, REPAIR AND PAINT ANY AREA THAT HAS BEEN DAMAGED IN THE COURSE OF THE ELECTRICAL WORK.
10. PLASTIC PLATES FOR ALL SWITCHES, RECEPTACLES, TELEPHONE AND BLANKED OUTLETS SHALL HAVE ENGRAVED LETTERING WHERE INDICATED ON THE DRAWINGS. WEATHERPROOF RECEPTACLES SHALL HAVE SIERRA #WPD-8 LIFT COVERPLATES.

SECTION 16400 – SERVICE AND DISTRIBUTION

1. WIRE AND CABLE CONDUCTORS SHALL BE COPPER, 600V, TYPE THHN OR THWN, WITH A MIN. SIZE OF #12 AWG, COLOR CODED. ALL RECTIFIER DROPS SHALL BE STRANDED TO ACCEPT CRIMP CONNECTORS.
2. ALL CHEMICAL GROUND RODS SHALL BE "UL" APPROVED.
3. METER SOCKET AMPERES, VOLTAGE, NUMBER OF PHASES SHALL BE AS NOTED ON THE DRAWINGS. MANUFACTURED BY MILBANK OR APPROVED EQUAL, AND SHALL BE UTILITY COMPANY APPROVED.
4. CONDUIT:
- A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH GALVANIZED ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
- B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTING SHALL BE GLAND RING COMPRESSION TYPE.
- C. FLEXIBLE METALLIC CONDUIT SHALL HAVE U.L. LISTED LABEL AND MAY BE USED WHERE PERMITTED BY CODE. FITTINGS SHALL BE "JAKE" OR "SQUEEZE" TYPE. ALL FLEXIBLE CONDUITS SHALL HAVE FULL LENGTH GROUND WIRE.
- D. ALL UNDERGROUND CONDUIT SHALL BE AS NOTED ON THE DRAWINGS AT A MINIMUM DEPTH OF 42" BELOW GRADE. IT IS REQUIRED AND WILL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO NOTIFY J.U.L.I.E. AT 1-800-892-0123 OR OTHER SUCH NOTIFYING AGENCY FORTY-EIGHT (48) HOURS PRIOR TO DIGGING.
5. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS ARE TO BE PAID BY THE CONTRACTOR.
6. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS WITH WHITE ON BLUE BACKGROUND LETTERING (MINIMUM LETTER HEIGHT SHALL BE ONE FORTH INCH (1/4"). NAMEPLATES SHALL BE FASTENED WITH STAINLESS STEEL SCREWS, NOT ADHESIVE.
7. UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL POTENTIAL GROUNDING TESTS BY AN INDEPENDENT TESTING SERVICE ENGAGED BY THE CONTRACTOR SHALL BE SUBMITTED FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
8. GROUNDING ELECTRODE SYSTEM
- A. PREPARATION
1. SURFACE PREPARATION:  
ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FIELD INSPECTED AND MODIFIED TO ENSURE PROPER CONTACT. NO WASHERS ARE ALLOWED BETWEEN THE ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT APPLIED PRIOR TO INSTALLATION.
2. GROUND BAR PREPARATION:  
ALL COPPER GROUND BARS SHALL BE CLEANED, POLISHED AND A NON-OXIDIZING AGENT APPLIED. NO FINGERPRINTS OR DISCOLORED COPPER WILL BE PERMITTED.
3. SLEEVES:  
ALL GROUNDING CONDUCTORS SHALL RUN THROUGH PVC SLEEVES WHEREVER CONDUCTORS RUN THROUGH WALLS, FLOORS OR CEILINGS. IF CONDUCTORS MUST RUN THROUGH EMT, BOTH ENDS OF CONDUIT SHALL BE GROUNDED. SEAL BOTH ENDS OF CONDUIT WITH SILICONE CAULK.
- B. GROUND BARS
1. ALL GROUND BARS SHALL BE ONE FORTH INCH (1/4") THICK TINNED COPPER PLATE AND OF SIZE INDICATED ON DRAWINGS.
2. ALL CONNECTIONS TO THE GROUND BAR SHALL OBSERVE THE FOLLOWING SEQUENCE:
- A. BOLT-HEAD
- B. 2-HOLE LUG
- C. TINNED COPPER BUSS BAR
- D. STAR WASHER
- E. NUT
- C. EXTERNAL CONNECTIONS
1. ALL BURIED GROUNDING CONNECTIONS SHALL BE MADE BY THE EXOTHERMIC WELD PROCESS. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE'S, CROSSES, ETC. ALL CABLE TO GROUND RODS, GROUND ROD SPLICES AND LIGHTNING PROTECTION SYSTEMS ARE TO BE AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE BY "CADWELD" AND INSTALLED PER MANUFACTURER'S RECOMMENDED PROCEDURES.
2. ALL ABOVE GRADE GROUNDING AND BONDING CONDUCTORS SHALL BE CONNECTED BY TWO HOLE CRIMP TYPE (COMPRESSION) CONNECTIONS (EXCEPT FOR THE ACEG AND GROUND ROD) MECHANICAL CONNECTIONS, FITTINGS OR CONNECTIONS THAT DEPEND SOLELY ON SOLDER SHALL NOT BE USED. ALL CABLE TO CABLE CONNECTIONS SHALL BE HIGH PRESSURE DOUBLE CRIMP TYPE CONNECTIONS. CONNECTIONS TO STRUCTURAL STEEL SHALL BE EXOTHERMIC WELDS.
- D. GROUND RODS
- ALL GROUND RODS SHALL BE 5/8-INCH DIAMETER X 10'-0" LONG "COPPERWELD" OR APPROVED EQUAL, OF THE NUMBER AND LOCATIONS INDICATED. GROUND RODS SHALL BE DRIVEN FULL LENGTH VERTICAL IN UNDISTURBED EARTH.
- E. GROUND CONDUCTORS
- ALL GROUND CONDUCTORS SHALL BE STANDARD TINNED SOLID BARE COPPER ANNEALED, AND OF SIZE INDICATED ON DRAWINGS UNLESS NOTED OTHERWISE.
- F. LUGS
1. LUGS SHALL BE 2-HOLE, LONG BARREL, STRAND COPPER UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS. LUGS SHALL BE THOMAS AND BETTS SERIES #548, BE OR EQUIVALENT
- A. 535 MCM DLO 54880BE
- B. 262 MCM DLO 54872BE
- C. #1/0 DLO 54862BE
- D. #4/0 THWN AND BARE 54866BE
- E. #2/0 THWN 54862BE
- F. #2 THHN 54207BE
- G. #6 DLO 54205BE
2. WHEN THE DIRECTION OF THE CONDUCTOR MUST CHANGE, IT SHALL BE DONE GRADUALLY. THE CURVATURE OF THE TURN SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING CHART:

| GROUNDING CONDUCTOR SIZE | MINIMUM BENDING RADIUS TO INSIDE EDGE |
|--------------------------|---------------------------------------|
|--------------------------|---------------------------------------|

|                          |           |
|--------------------------|-----------|
| NO. 6 AWG TO NO. 4 AWG   | 6 INCHES  |
| NO. 2 AWG TO NO. 1/0 AWG | 8 INCHES  |
| NO. 2/0 AWG TO 4/0 MCM   | 12 INCHES |
| 250 MCM TO 750 MCM       | 24 INCHES |

G. GROUND RING

1. THE EXTERNAL GROUND RING ENCIRCLING THE TOWER (IF APPLICABLE) AND BETWEEN THE EQUIPMENT SHELTER PLATFORM ANCHORS SHALL BE MINIMUM NO. 2 A.W.G. SOLID TINNED BARE COPPER CONDUCTOR IN DIRECT CONTACT WITH THE EARTH AT THE DEPTH INDICATED ON THE DRAWINGS. CONDUCTOR BENDS SHALL HAVE A MINIMUM BENDING RADIUS OF EIGHT INCHES (8").
2. ALL EXTERNAL GROUND RINGS ARE TO BE JOINED TOGETHER AND ALL CONNECTIONS MUST BE CADWELDED. NO LUGS OR CLAMPS WILL BE ACCEPTED.

H. FENCE/GATE

- GROUND EACH GATE POST, CORNER POST AND GATE AS INDICATED ON DRAWING GROUND CONNECTIONS TO FENCE POSTS AND ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY EXOTHERMIC WELD PROCESS, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES, AND SPRAYED WITH COLD-GALVANIZED PAINT.

9. I.E.E.E. FALL POTENTIAL TESTS

A. FOR RAW LAND SITE

1. GROUND TESTS SHALL BE PERFORMED AS INDICATED ON DRAWINGS. A BIDDLE GROUND OHMER OR THE METHOD OF USING TWO AUXILIARY GROUND RODS (AS DESCRIBED IN I.E.E.E. STANDARDS NO. 81-1983, PART 1) MAY BE USED. THE I.E.E.E. METHOD REQUIRES THE USE OF AN A.C. TEST CURRENT. THE AUXILIARY TEST RODS MUST BE SUFFICIENTLY FAR AWAY FROM THE ROD UNDER TEST SO THAT THE REGIONS IN WHICH THEIR RESISTANCE IS LOCALIZED DO NOT OVERLAP. THE TEST POINT WILL BE THE GROUND ROD AND WILL CONSIST OF THE THREE POINT FALL OF POTENTIAL MEGGER TEST METHOD, USING THE BIDDLE NULL-BALANCE EARTH TESTER (MEGGER #250220-2 OR EQUIVALENT)
2. CONTRACTOR TO CONDUCT GROUND RESISTANCE TEST IN THE FORMAT AS FOLLOWS:

B. EQUIPMENT PAD

1. FIRST TEST – SHALL BE WITH FOUR GROUND RODS INSTALLED, ONE AT EACH CORNER OF THE PAD BUT NOT CONNECTED TO THE MAIN GROUNDING BUS. FURNISH WIRE TO CONNECT (TEMPORARY CLAMP) ALL FOUR GROUND RODS TOGETHER TO MAKE A SYSTEM TEST AFTER EACH ROD IS INDIVIDUALLY TESTED. IF ANY INDIVIDUAL ROD TESTS 25 OHMS OR MORE, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT THE ROD CAN BE DRIVEN DEEPER UNTIL ALL FOUR RODS HAVE A RESISTANCE OF 10 OHMS OR LESS ON A DRY DAY.
2. SECOND TEST – SHALL BE WITH THE GROUND RODS CONNECTED, WITH DRY SOIL AND WHEN NO STANDING WATER HAS BEEN PRESENT FOR THE PAST TEN (10) DAYS. THE MAXIMUM ALLOWABLE READING IS 5 OHMS TO GROUND. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS, NOTIFY THE CONTRACTOR AND OWNER'S REPRESENTATIVE SO THAT ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.

C. TOWER

1. FIRST TEST – SHALL BE WITH THREE GROUND RODS INSTALLED (MINIMUM), EQUALLY SPACED AROUND THE TOWER FOUNDATION, BUT NOT CONNECTED TO THE SHELTER PAD EXTERNAL GROUND RING. FURNISH WIRE TO CONNECT (TEMPORARY CLAMP) ALL THREE GROUND RODS TOGETHER TO MAKE A SYSTEM TEST AFTER EACH ROD IS INDIVIDUALLY TESTED. IF ANY INDIVIDUAL ROD TESTS 25 OHMS OR MORE, NOTIFY THE CONTRACTOR AND OWNER'S REPRESENTATIVE SO THAT THE ROD CAN BE DRIVEN DEEPER UNTIL ALL THREE (3) RODS HAVE A RESISTANCE OF 10 OHMS OR LESS ON A DRY DAY.
2. SECOND TEST – SHALL BE WITH THE GROUND RODS CONNECTED, WITH DRY SOIL AND WHEN NO STANDING WATER HAS BEEN PRESENT FOR THE PAST TEN (10) DAYS. THE MAXIMUM ALLOWABLE READING IS 5 OHMS TO GROUND. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT EITHER ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.

D. EQUIPMENT PAD AND TOWER

1. AFTER THE EQUIPMENT PAD AND TOWER GROUND RESISTANCE TEST IS COMPLETED, CONTRACTOR SHALL TIE EQUIPMENT PAD EXTERNAL GROUND RING AND TOWER EXTERNAL GROUND RING TOGETHER. AFTER FIRST AND SECOND TEST ALL CONNECTIONS MUST BE MADE USING EXOTHERMIC WELD. NO LUGS OR CLAMPS WILL BE ACCEPTED.
2. AFTER ALL THE EXTERNAL GROUND RINGS ARE TIED TOGETHER, COMPLETE A MEGGER CHECK OF THE GROUND SYSTEM SHOULD BE DONE. THE MAXIMUM ALLOWABLE LEADING IS 5 OHMS TO GROUND.

10. GROUNDING RESISTANCE TEST REPORT

UPON COMPLETION OF THE TESTING FOR EACH SITE, A TEST REPORT SHOWING RESISTANCE IN OHMS WITH AUXILIARY POTENTIAL ELECTRODES AT 5 FEET AND 10 FEET INTERVALS UNTIL THE AVERAGE RESISTANCE STARTS INCREASING AND ALSO NOTE THAT 10-15 PHOTOS MUST BE TAKEN TO PROOF ENTIRE EXTERNAL GROUND RING SYSTEM BEFORE BACKFILL. TWO (2) SETS OF TEST DOCUMENTS ARE OF THE INDEPENDENT TESTING SERVICE TO BE BOUND AND SUBMITTED WITHIN ONE (1) WEEK OF WORK COMPLETION.

SECTION 16503 – POLES, POSTS, AND STANDARDS  
(SINGLE MAST AND SELF SUPPORTING TOWERS)

1. GENERAL

- A. LIGHTNING ROD AND EXTENSION PIPE INCLUDING ALL APPURTENANCES, TO BE FURNISHED BY OWNER, IF REQUIRED.
- B. PROVIDE TEMPORARY LIGHTING FOR TOWER AS PER FAA REGULATIONS DURING CONSTRUCTION, IF REQUIRED.
- C. GROUNDING:  
GROUND TOWER WITH A MINIMUM OF #2 AWG TINNED SOLID BARE COPPER CONDUCTOR CADWELDED TO TOWER BASE PLATE. TWO (2) GROUNDING LEADS PER TOWER BASE PLATE.

NO EXOTHERMIC WELDS SHALL BE ATTACHED DIRECTLY TO THE MONOPOLE TOWER SHAFT.

SECTION 16745 – TELECOMMUNICATIONS WIRING COMPONENTS  
(COAXIAL ANTENNA CABLE)

1. GENERAL

- A. ALL MATERIALS, PRODUCTS OR PROCEDURES INCORPORATED INTO WORK SHALL BE NEW AND OF STANDARD COMMERCIAL QUALITY.
- B. CERTAIN MATERIALS AND PRODUCTS WILL BE SUPPLIED BY THE OWNER (REFER TO GENERAL CONDITIONS FOR THE LIST OF OWNER FURNISHED EQUIPMENT, MATERIALS AND SUPPLIES FOR THESE ITEMS). THE CONTRACTOR IS RESPONSIBLE FOR PICKUP AND DELIVERY OF ALL SUCH MATERIALS
- C. ALL OTHER MATERIALS AND PRODUCTS SPECIFIED IN THE CONTRACT DOCUMENTS SHALL BE SUPPLIED BY THE CONTRACTOR.

2. MATERIALS:

A. COAXIAL CABLE:

1. INSTALL COAXIAL CABLE AND TERMINATIONS BETWEEN ANTENNAS AND EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS WITH COAXIAL CABLES SUPPORTED AT NO MORE THAN 3'-0" O.C. WEATHERPROOF ALL CONNECTORS BETWEEN THE ANTENNA AND EQUIPMENT PER MANUFACTURERS' REQUIREMENTS. TERMINATE ALL COAXIAL CABLE THREE FEET (3') IN EXCESS OF EQUIPMENT LOCATION UNLESS OTHERWISE STATED.
2. ALL COAX RUN LENGTHS GREATER THAN 175 FEET SHALL BE 1-5/8". ALL COAX. RUN LENGTH BETWEEN 101 FEET AND 174 FEET SHALL BE 1-1/4", AND IN LENGTH LESS THAN OR EQUAL TO 100 FEET SHALL BE 7/8".

3. ANTENNA AND COAXIAL CABLE GROUNDING

- A. ALL COAXIAL CABLE GROUNDING KITS ARE TO BE INSTALLED ON STRAIGHT RUNS OF COAXIAL CABLE (NOT WITHIN BENDS)

4. COAXIAL CABLE IDENTIFICATION

- A. TO PROVIDE EASY IDENTIFICATION AND UNIFORM MARKING OF ANTENNA CABLEING, PLASTIC TAGS SHALL BE USED AT THE FOLLOWING LOCATIONS:

1. FIRST LOCATION IS AT THE END OF THE COAX NEAREST THE ANTENNA (WHERE THE COAXIAL CABLE AND JUMPER ARE CONNECTED).
2. SECOND LOCATION IS INSIDE THE EQUIPMENT SHELTER NEAR THE WAVEGUIDE ENTRY PORT.

- B. USE ANDREW CABLE TIES (PT.# 27290) TO SECURE IDENTIFICATION TAGS.

5. TESTING

LESSEE SHALL PROVIDE AN INDEPENDENT TESTING AGENCY TO PERFORM THE COAXIAL SWEEP TEST & REPORT. THE CONTRACTOR IS TO PROVIDE ONE CLIMBER / QUALIFIED PERSONNEL TO ASSIST IN ANY REPAIRS AND WEATHERPROOFING ONCE THE TEST IS COMPLETE. THE CONTRACTOR IS TO PROVIDE LESSEE WITH A MINIMUM OF 48 HOURS NOTICE PRIOR TO THE TIME OF THE SWEEP TEST.

CHICAGO  
SMSA

limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                                                |          |    |        |    |    |     |     |  |
|-----------|------------------------------------------------|----------|----|--------|----|----|-----|-----|--|
| NO        | DESCRIPTION                                    | DATE     | BY | LRB/LS | LS | LS | DMS | JTM |  |
| 1.        | ISSUED FOR REVIEW                              | 11/21/14 |    |        |    |    |     |     |  |
| 2         | UPDATE ECR                                     | 03/20/15 |    |        |    |    |     |     |  |
| 3         | UPDATE PER UTILITY WALK                        | 04/30/15 |    |        |    |    |     |     |  |
| 4.        | UPDATED NATURAL GAS ADDITION OF LANDSCAPE PLAN | 05/19/15 |    |        |    |    |     |     |  |
|           |                                                | 07/07/15 |    |        |    |    |     |     |  |

LOC. #282639

YALE &  
OAKTON

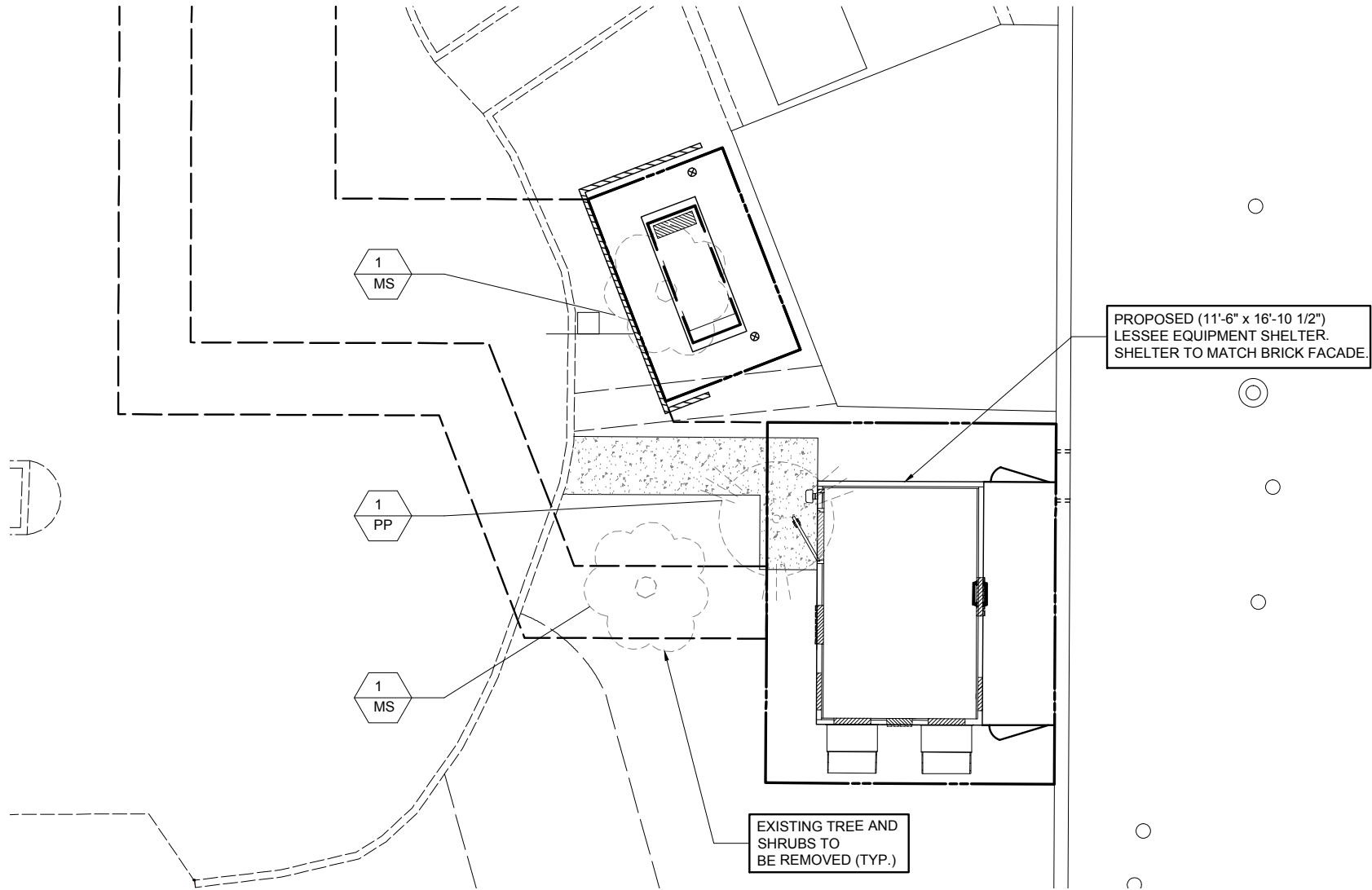
800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
SPECIFICATIONS

SHEET NUMBER

SP-2



TREE LIST

| SYMBOL | BOTANICAL NAME | COMMON NAME     | QUANTITY | SIZE        | DIAMETER @ 6" ABOVE GRADE |
|--------|----------------|-----------------|----------|-------------|---------------------------|
| MS     | MALUS SPP.     | CRABAPPLE       | 2        | APPROX. 20' | 5"                        |
| PP     | PICEA PUNGENS  | COLORADO SPRUCE | 1        | APPROX. 20' | 6"                        |

1 PLANT QUANTITY  
PS PLANT SYMBOL

CHICAGO  
SMSA  
limited partnership  
d/b/a VERIZON WIRELESS



| REVISIONS |                            |          |        |  |  |
|-----------|----------------------------|----------|--------|--|--|
| NO        | DESCRIPTION                | DATE     | BY     |  |  |
|           |                            |          | LRB/LS |  |  |
| 1.        | ISSUED FOR REVIEW          | 11/21/14 | LS     |  |  |
| 2.        | UPDATE ECR                 | 03/20/15 | LS     |  |  |
| 3.        | UPDATE PER UTILITY WALK    | 04/30/15 | LS     |  |  |
| 4.        | UPDATE NATURAL GAS         | 05/19/15 | DMS    |  |  |
|           | ADDITION OF LANDSCAPE PLAN | 07/07/15 | JTM    |  |  |

LOC. #282639

YALE &  
OAKTON

800 W. OAKTON ST.  
ARLINGTON  
HEIGHTS, IL 60004

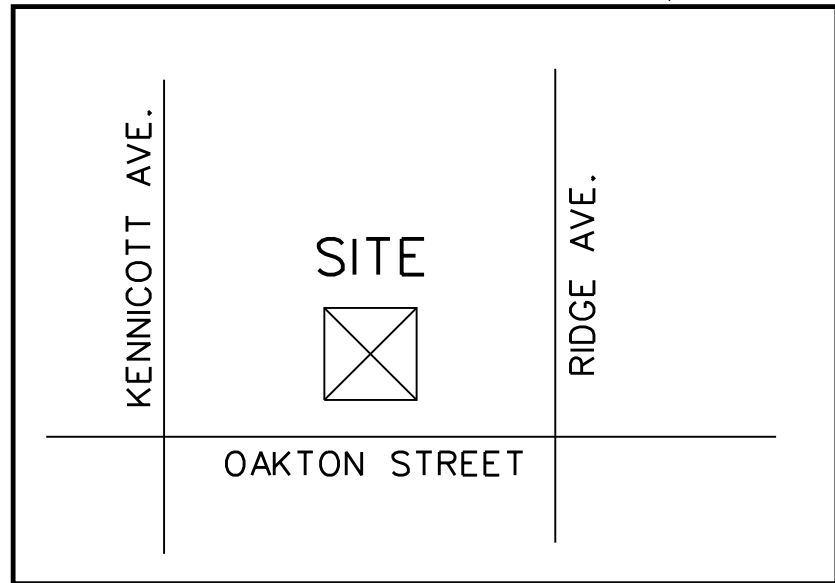
|             |          |
|-------------|----------|
| DRAWN BY:   | LRB      |
| CHECKED BY: | TAZ      |
| DATE:       | 11/19/14 |
| PROJECT #:  | 33-1607  |

SHEET TITLE  
TREE SURVEY

SHEET NUMBER  
L-1



VICINITY MAP  
(ARLINGTON HEIGHTS, IL)



SURVEYORS NOTES:

1. BEARINGS BASED UPON STATE PLANE COORDINATES ILLINOIS EAST ZONE.
2. EXHIBIT BASED ON FIELD WORK COMPLETED 03-21-2014.
3. ALL UTILITIES AS SHOWN ARE APPROXIMATE LOCATIONS DERIVED FROM ACTUAL MEASUREMENTS. THEY SHOULD NOT BE INTERPRETED TO BE EXACT LOCATION NOR SHOULD IT BE ASSUMED THAT THEY ARE THE ONLY UTILITIES IN THE AREA.
4. HORIZONTAL (NAD 83) & VERTICAL (NAVD 88) BASED C.O.R.S NETWORK.
5. CHICAGO TITLE INSURANCE COMPANY COMMITMENT FOR TITLE INSURANCE ORDER NO. 1401 008963809 01 EFFECTIVE DATE JUNE 30, 2014 WAS REVIEWED FOR THIS EXHIBIT.

PROPOSED 10' ACCESS EASEMENT LEGAL DESCRIPTION:

A 10.00 FOOT WIDE UTILITY EASEMENT, 5.00' FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED LINE OVER THAT PART OF THE SOUTH 1/2 OF THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE EAST RIGHT-OF-WAY LINE OF KENNICOTT AVENUE DEDICATED PER DOCUMENT 20303670 AND THE NORTH LINE OF A STRIP OF LAND 8 FEET WIDE TAKEN BY JUDGMENT ORDER, CASE NUMBER 62C05215, FILED IN THE OFFICE OF THE REGISTRAR OF TITLES ON AUGUST 1, 1966 AS DOCUMENT LR-2284261; THENCE NORTH 00 DEGREES 09 MINUTES 51 SECONDS WEST ALONG SAID EAST RIGHT-OF-WAY LINE 465.11 FEET; THENCE NORTH 89 DEGREES 50 MINUTES 09 SECONDS EAST 25.00 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 223.03 FEET, AN ARC DISTANCE OF 112.78 FEET; THENCE NORTH 60 DEGREES 52 MINUTES 49 SECONDS EAST 81.25 FEET; THENCE EASTERLY ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 263.62 FEET, AN ARC DISTANCE OF 111.73 FEET; THENCE NORTH 85 DEGREES 08 MINUTES 43 SECONDS EAST 41.44 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 355.60 FEET, AN ARC DISTANCE OF 33.17 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 50 SECONDS WEST 155.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 19.87 FEET; THENCE SOUTH 21 DEGREES 01 MINUTES 34 SECONDS EAST 16.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 11.39 FEET; THENCE NORTH 00 DEGREES 17 MINUTES 33 SECONDS EAST 2.50 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89 DEGREES 48 MINUTES 10 SECONDS WEST 9.63 FEET; THENCE NORTH 21 DEGREES 01 MINUTES 34 SECONDS WEST 16.53 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 10 SECONDS WEST 19.14 FEET; THENCE NORTH 00 DEGREES 11 MINUTES 50 SECONDS EAST 84.99 FEET; THENCE NORTH 46 DEGREES 14 MINUTES 18 SECONDS EAST 75.75 FEET; THENCE SOUTH 89 DEGREES 43 MINUTES 07 SECONDS EAST 74.91 FEET; THENCE NORTH 73 DEGREES 28 MINUTES 55 SECONDS EAST 75.67 FEET; THENCE NORTH 89 DEGREES 44 MINUTES 04 SECONDS EAST 36.92 FEET; THENCE SOUTH 00 DEGREES 17 MINUTES 33 SECONDS WEST 61.63 FEET TO THE POINT OF TERMINUS, IN COOK COUNTY, ILLINOIS.

PROPOSED 15' ACCESS EASEMENT LEGAL DESCRIPTION:

A 15.00 FOOT WIDE ACCESS EASEMENT, 7.50' FEET ON EACH SIDE OF THE FOLLOWING DESCRIBED LINE OVER THAT PART OF THE SOUTH 1/2 OF THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE EAST RIGHT-OF-WAY LINE OF KENNICOTT AVENUE DEDICATED PER DOCUMENT 20303670 AND THE NORTH LINE OF A STRIP OF LAND 8 FEET WIDE TAKEN BY JUDGMENT ORDER, CASE NUMBER 62C05215, FILED IN THE OFFICE OF THE REGISTRAR OF TITLES ON AUGUST 1, 1966 AS DOCUMENT LR-2284261; THENCE NORTH 00 DEGREES 09 MINUTES 51 SECONDS WEST ALONG SAID EAST RIGHT-OF-WAY LINE 465.11 FEET TO THE POINT OF BEGINNING; THENCE NORTH 89 DEGREES 50 MINUTES 09 SECONDS EAST 25.00 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 223.03 FEET, AN ARC DISTANCE OF 112.78 FEET; THENCE NORTH 60 DEGREES 52 MINUTES 49 SECONDS EAST 81.25 FEET; THENCE EASTERLY ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 263.62 FEET, AN ARC DISTANCE OF 111.73 FEET; THENCE NORTH 85 DEGREES 08 MINUTES 43 SECONDS EAST 41.44 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 355.60 FEET, AN ARC DISTANCE OF 33.17 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 50 SECONDS WEST 155.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 19.87 FEET; THENCE SOUTH 21 DEGREES 01 MINUTES 34 SECONDS EAST 16.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 11.39 FEET TO THE POINT OF TERMINUS, IN COOK COUNTY, ILLINOIS.

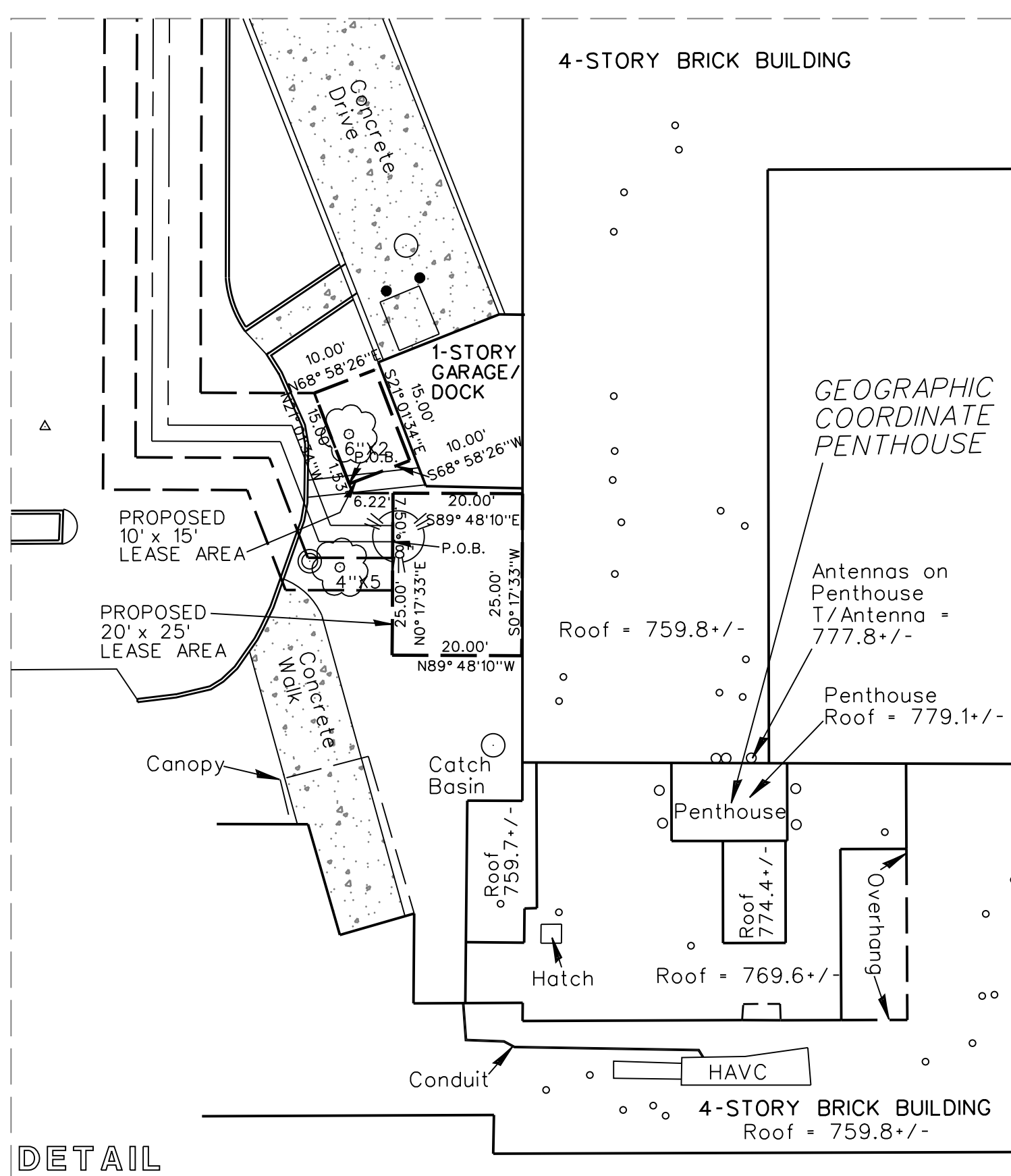
PROPOSED 20.00' x 25.00' LEASE AREA LEGAL DESCRIPTION:

THAT PART OF THE SOUTH 1/2 OF THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE EAST RIGHT-OF-WAY LINE OF KENNICOTT AVENUE DEDICATED PER DOCUMENT 20303670 AND THE NORTH LINE OF A STRIP OF LAND 8 FEET WIDE TAKEN BY JUDGMENT ORDER, CASE NUMBER 62C05215, FILED IN THE OFFICE OF THE REGISTRAR OF TITLES ON AUGUST 1, 1966 AS DOCUMENT LR-2284261; THENCE NORTH 00 DEGREES 09 MINUTES 51 SECONDS WEST ALONG SAID EAST RIGHT-OF-WAY LINE 465.11 FEET; THENCE NORTH 89 DEGREES 50 MINUTES 09 SECONDS EAST 25.00 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 223.03 FEET, AN ARC DISTANCE OF 112.78 FEET; THENCE NORTH 60 DEGREES 52 MINUTES 49 SECONDS EAST 81.25 FEET; THENCE EASTERLY ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 263.62 FEET, AN ARC DISTANCE OF 111.73 FEET; THENCE NORTH 85 DEGREES 08 MINUTES 43 SECONDS EAST 41.44 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 355.60 FEET, AN ARC DISTANCE OF 33.17 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 50 SECONDS WEST 155.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 19.87 FEET; THENCE SOUTH 21 DEGREES 01 MINUTES 34 SECONDS EAST 16.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 11.39 FEET TO THE POINT OF BEGINNING; THENCE NORTH 00 DEGREES 17 MINUTES 33 SECONDS EAST 7.50 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 20.00 FEET; THENCE SOUTH 00 DEGREES 17 MINUTES 33 SECONDS WEST 25.00 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 10 SECONDS WEST 20.00 FEET; THENCE NORTH 00 DEGREES 17 MINUTES 33 SECONDS EAST 17.50 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS, CONTAINING 500 SQUARE FEET, MORE OR LESS

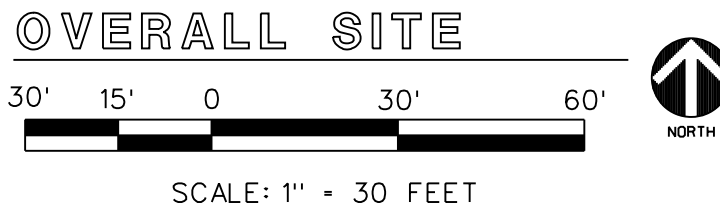
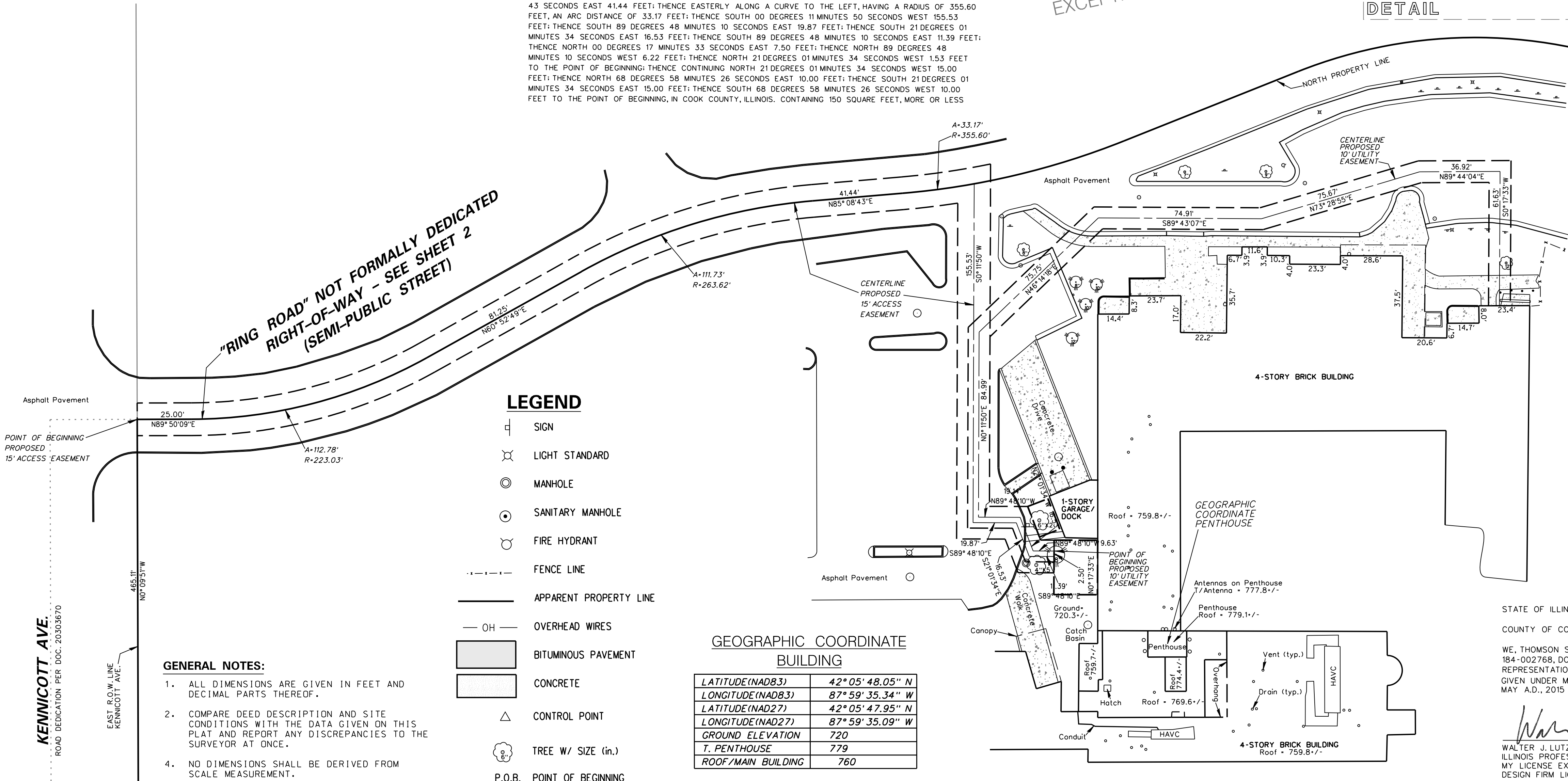
PROPOSED 10.00' x 15.00' LEASE AREA LEGAL DESCRIPTION:

THAT PART OF THE SOUTH 1/2 OF THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 19, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN DESCRIBED AS FOLLOWS: COMMENCING AT THE INTERSECTION OF THE EAST RIGHT-OF-WAY LINE OF KENNICOTT AVENUE DEDICATED PER DOCUMENT 20303670 AND THE NORTH LINE OF A STRIP OF LAND 8 FEET WIDE TAKEN BY JUDGMENT ORDER, CASE NUMBER 62C05215, FILED IN THE OFFICE OF THE REGISTRAR OF TITLES ON AUGUST 1, 1966 AS DOCUMENT LR-2284261; THENCE NORTH 00 DEGREES 09 MINUTES 51 SECONDS WEST ALONG SAID EAST RIGHT-OF-WAY LINE 465.11 FEET; THENCE NORTH 89 DEGREES 50 MINUTES 09 SECONDS EAST 25.00 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 223.03 FEET, AN ARC DISTANCE OF 112.78 FEET; THENCE NORTH 60 DEGREES 52 MINUTES 49 SECONDS EAST 81.25 FEET; THENCE EASTERLY ALONG A CURVE TO THE RIGHT, HAVING A RADIUS OF 263.62 FEET, AN ARC DISTANCE OF 111.73 FEET; THENCE NORTH 85 DEGREES 08 MINUTES 43 SECONDS EAST 41.44 FEET; THENCE EASTERLY ALONG A CURVE TO THE LEFT, HAVING A RADIUS OF 355.60 FEET, AN ARC DISTANCE OF 33.17 FEET; THENCE SOUTH 00 DEGREES 11 MINUTES 50 SECONDS WEST 155.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 19.87 FEET; THENCE SOUTH 21 DEGREES 01 MINUTES 34 SECONDS EAST 16.53 FEET; THENCE SOUTH 89 DEGREES 48 MINUTES 10 SECONDS EAST 11.39 FEET; THENCE NORTH 00 DEGREES 17 MINUTES 33 SECONDS EAST 7.50 FEET; THENCE NORTH 89 DEGREES 48 MINUTES 10 SECONDS WEST 6.22 FEET; THENCE NORTH 21 DEGREES 01 MINUTES 34 SECONDS WEST 1.53 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 21 DEGREES 01 MINUTES 34 SECONDS WEST 15.00 FEET; THENCE NORTH 68 DEGREES 58 MINUTES 26 SECONDS EAST 10.00 FEET; THENCE SOUTH 21 DEGREES 01 MINUTES 34 SECONDS EAST 15.00 FEET; THENCE SOUTH 68 DEGREES 58 MINUTES 26 SECONDS WEST 10.00 FEET TO THE POINT OF BEGINNING, IN COOK COUNTY, ILLINOIS, CONTAINING 150 SQUARE FEET, MORE OR LESS

EXCEPTION - NOT INCLUDED



SUBDIVISION



STATE OF ILLINOIS )  
COUNTY OF COOK ) SS

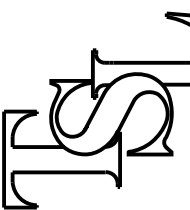
WE, THOMSON SURVEYING, LIMITED, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002768, DO HEREBY DECLARE THAT THE EXHIBIT SHOWN HEREON IS A CORRECT REPRESENTATION OF A SITE EXHIBIT PERFORMED AT AND UNDER MY DIRECTION. GIVEN UNDER MY HAND AND SEAL THIS 11 DAY OF MAY A.D., 2015 AT ROSEMONT, ILLINOIS.

WALTER J. LUTZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3576  
MY LICENSE EXPIRES NOVEMBER 30, 2016  
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2017



CHICAGO  
SMSA  
limited partnership  
dba VERIZON WIRELESS

9575 W. Higgins Road  
Suite 800 IL 60018  
TEL: (847) 318-9790  
FAX: (847) 318-9792  
wlut@thomsonid.com



Thomson Surveying Ltd.

| NO. | REVISIONS |             |
|-----|-----------|-------------|
|     | DATE      | DESCRIPTION |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |
|     |           |             |

SITE NAME:  
YALE & OAKTON

SITE LOCATION:  
1200 VILLAGE DR./  
LUTHER LN.  
ARLINGTON HEIGHTS, ILLINOIS  
(A.K.A. 800 W. OAKTON ST.)

|             |           |
|-------------|-----------|
| DRAWN BY:   | WJL       |
| CHECKED BY: | DMS       |
| DATE:       | 5-11-2015 |
| PROJECT #:  | 5068      |

SHEET TITLE

SITE EXHIBIT

SHEET NUMBER

SE-1 OF 2



THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 19,  
TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL  
MERIDIAN (EXCEPT THAT PART THEREOF LYING SOUTH OF THE  
NORTH LINE OF A STRIP OF LAND 8 FEET WIDE, TAKEN BY  
JUDGMENT ORDER, CASE NUMBER 62C05215, FILED IN THE  
OFFICE OF THE REGISTRAR OF TITLES ON AUGUST 1, 1966, AS  
DOCUMENT LR-2284261 AND EXCEPT THAT PART DEDICATED  
FOR KENNICOTT AVENUE, THOMAS STREET AND RIDGE AVENUE  
BY PLAT OF DEDICATION RECORDED OCTOBER 26, 1967 AS  
DOCUMENT 20303670), IN COOK COUNTY, ILLINOIS.

[illegible]

**- SUBJECT PROPERTY -  
LUTHER HOME for the AGED, INC. ("LHA") LAND  
CROSS EASEMENT & COVENANT AGREEMENT  
BETWEEN "LHA" & "LUTHER VILLAGE"  
DOC. 89548961**

EXCEPTION - NOT INCLUDED  
"LUTHER VILLAGE" LAND

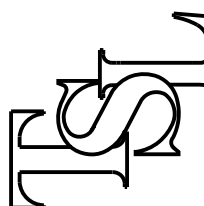
A=170.72'  
B=212.72'

CROSS EASEMENT & COVENANT AGREEMENT  
BETWEEN "LHA" & "LUTHER VILLAGE"  
DOC. 89548961

**CHICAGO  
SMSA**

limited partnership  
d/b/a VERIZON WIRELESS

9575 W. Higgins Road  
Suite 850  
Rosemont, IL 60018  
TEL: (847) 318-9790  
FAX: (847) 318-9792  
wlutz@thomsonltd.com



**Thomson Surveying Ltd.**

[illegible]

**SITE NAME:**  
**YALE & OAKTON**

SITE LOCATION:  
1200 VILLAGE DR./  
LUTHER LN.  
ARLINGTON HEIGHTS, ILLINOIS  
(A.K.A. 800 W. OAKTON ST.)

|             |           |
|-------------|-----------|
| DRAWN BY:   | WJL       |
| CHECKED BY: | DMS       |
| DATE:       | 5-11-2015 |
| PROJECT #:  | 5068      |

SHEET TITLE

SITE EXHIBIT

SHEET NUMBER

**SE-2 OF 2**

OVERALL SITE



SCALE: 1" = 60 FEET



# YALE & OAKTON

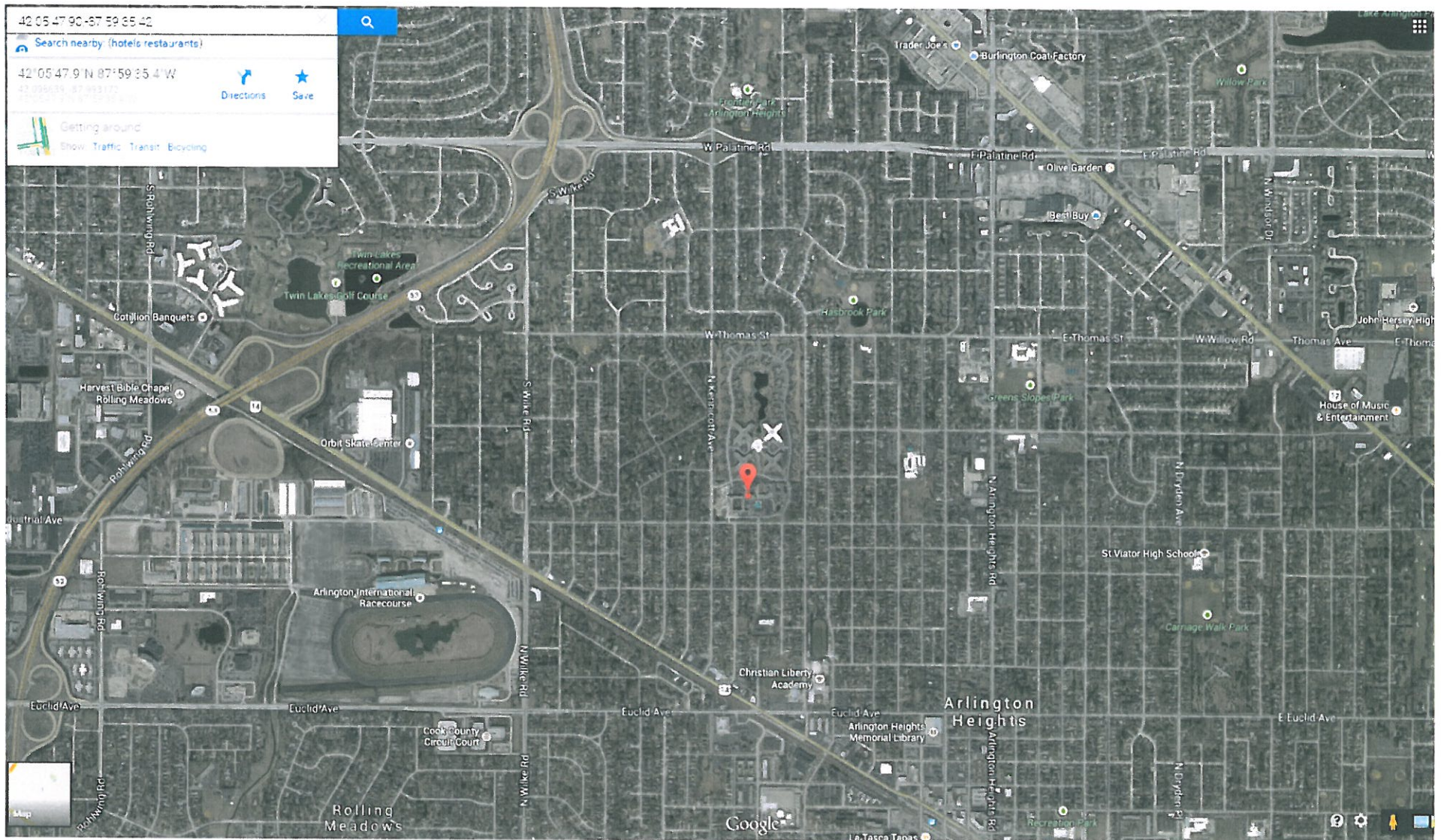
Area under consideration is a coverage hole known for frequent trouble tickets and customer complaints. Residences and businesses in the area have poor in-residence coverage. Neighboring cell sites currently covering this area are breaking for capacity.

The primary objective of this site is to provide.

1. Reliable In-residence coverage in the area.
2. Capacity offload to the neighboring sectors serving the area.
3. Reliable coverage for E-911 calls.



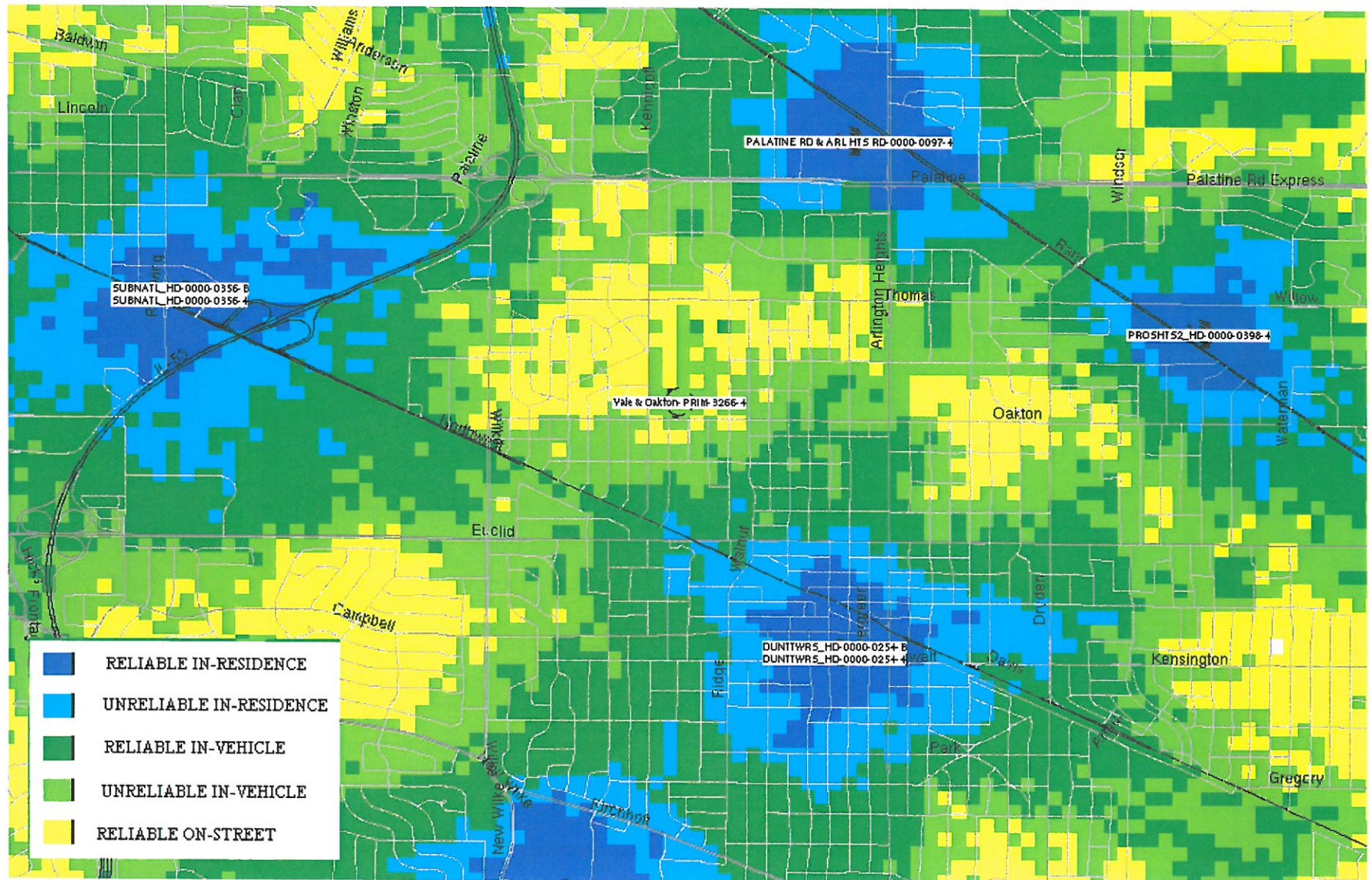
# YALE & OAKTON - AERIAL



Verizon Wireless proprietary information



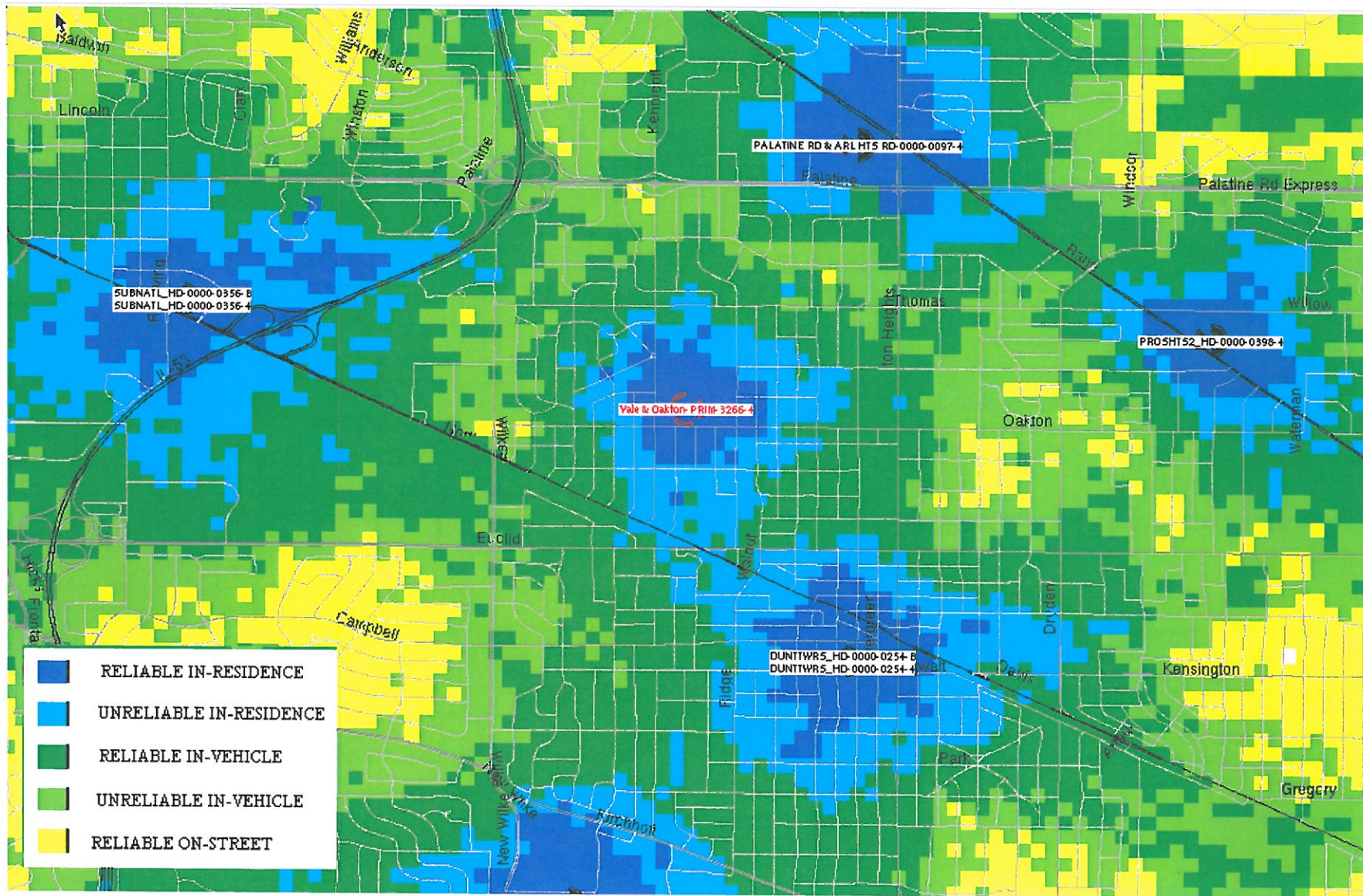
2



Verizon Wireless proprietary information



## YALE & OAKTON – PROPOSED COVERAGE



Verizon Wireless proprietary information





BEFORE



AFTER

## Yale & Oakton

View From North







BEFORE



AFTER

## Yale & Oakton

View From East







BEFORE



AFTER

## Yale & Oakton

View From South





BEFORE



AFTER

## Yale & Oakton

View From West





RECEIVED

JUN 15 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

## Special Use Permit for Rooftop Wireless Antennas

- *Is necessary for the public convenience at this location.*

This property, located at 800 W Oakton Street Arlington Heights, IL 60005, is owned by Lutheran Home for the Aged, Inc., an Illinois not for profit organization. The mission of Lutheran Home is empowering vibrant, grace-filled living across all generations. Lutheran Home is staffed by caregivers, nurses, occupational therapists, physical therapists, and administrative personnel that allow the facility to be recognized as an international leader in residential and life-care services.

As such, there are countless members of the public who come through the doors of Lutheran Home every day. These include both residents as well as visitors who are brought to Arlington Heights by the standard of care provided by Lutheran Home. Many individuals consider access to reliable wireless coverage to be a necessity in both their business and personal lives. To ensure public convenience, it is essential to have dependable wireless coverage in such a high-trafficked location.

- *That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.*

More and more, individuals across the United States are jettisoning landlines in favor of wireless devices. Given demographic trends, and the impending emergence of future generations who have utilized mobile phones since adolescent, it is almost universally considered extremely unlikely that this trend will reverse itself. Mobile devices promote the health and safety of Arlington Heights by giving customers the ability to seek help regardless of location. The majority of emergency 911 calls are now made on mobile devices. Many emergencies arise outside of the home and away from access to landline telephones. Without dependable wireless coverage and capacity, residents of Arlington Heights would be unable to contact emergency first responders in a timely manner which is critical to increasing positive outcomes. Mobile devices allow for individuals to receive severe weather and Amber Alerts in real time rather than waiting for TV or radio notification. Parents, children, and loved ones are able to communicate immediately in the event of an emergency. As such, wireless communications are an essential public service no different than landline communications.

In addition, Verizon Wireless' proposed telecommunications facility will enhance the general welfare. Mobile communications facilitate efficient and expedient business transactions. This creates a dynamic, thriving environment that is attractive to business owners. Specifically, in this predominantly residential area, many small business owners who work from home rely entirely on mobile devices to operate their ventures.

Verizon Wireless has been exceedingly thorough in its selection of this site. This site was specifically chosen to take into account that this proposal would not affect the use and value of the area adjacent to the property in a substantially adverse manner. Verizon's antennas will be shielded entirely by a stealth shroud constructed to match the exterior of the existing building. Furthermore, the rooftop location of Verizon's antennas is approximately 430 feet from the nearest residence to the south, approximately 580 feet from the nearest residence to the west, approximately 864 feet from the nearest residence to the east, and over 2,000 feet from the nearest residence to the north (not including Luther Village which is a tenant of Lutheran Home).

Given the trend that many homeowners are removing landlines and relying exclusively on mobile devices for communication, dependable wireless coverage and capacity is increasingly demanded by potential homebuyers. As such, Verizon's proposed telecommunications facility will enhance in-home communications of adjacent properties, the majority of which are residential homes.

In sum, Verizon's proposed telecommunications tower will benefit the health, safety, morals, and general welfare of persons residing or working in the vicinity.

- *That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.*

It is mission to improve wireless coverage and capacity for Verizon customers who live in the vicinity, as well as the countless individuals who are brought to the area as a result of Lutheran Home, Verizon Wireless will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.

**Variation from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer (Chapter 28, Section 6. 12-1)**

- *The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone.*

As stated above, Lutheran Home, provides residential and life-care services to many individuals. A significant proportion of these residents are elderly individuals, many of whom have serious medical conditions and health concerns.

The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone because it would have a severe and adverse impact on the ability of Lutheran Home to conduct its business and



serve not only its residents, but the family, friends, and loved ones of those residents as well. It is imperative for the caregivers, nurses, occupational therapists, physical therapists, staff, residents, family, friends, and loved ones affiliated with Lutheran Home to have dependable wireless service in order to fulfill its duties.

Given the nature of the services Lutheran Home provides, it is essential for each of the parties mentioned above to have dependable wireless service to respond immediately and efficiently in the event of an emergency. In order for Lutheran Home to provide an environment that individuals feel safe sending their loved ones, they must be able to ensure that there will be reliable access to wireless coverage. The decision to place a loved one in a senior care facility is typically a difficult one. The overwhelming majority of individuals would want to know, with certainty, that the staff would be able to reach them immediately in the event of an emergency, especially a life-threatening emergency. Since most communication now takes place on mobile devices, and mobile devices are more likely to be on one's person (as opposed to a landline that requires an individual be at home at the exact moment of emergency), this is the best way to alert someone in an emergency situation. If Lutheran Home is unable to assure the loved ones of their residents that there is reliable access to wireless coverage on the premises, it will have a deleterious impact on the attractiveness of Lutheran Home as a residential facility. Since the entire business model for Lutheran Home is based upon providing a safe environment for their residents, depriving them of dependable wireless coverage (which many now consider to be critical to safety), will deleteriously impact their ability to attract residents in the future, and, thus, impair the ability of the property to yield a reasonable rate of return.

For the most part, the only traffic generated by the presence of this site will be routine maintenance work that occurs approximately once a quarter. Beyond that, the equipment shelter will be unmanned. Also, since the location of Verizon's equipment shelter is well within the Lutheran Home complex and can be accessed via the Lutheran Home parking lot, the traffic on roads will not be disrupted when Verizon's field technicians are on site.

- *The plight of the owner is due to unique circumstances.*

Given the unique circumstances surrounding this proposal, a traffic study would be an unnecessary expense. As stated above, the site will be unmanned except for routine maintenance by Verizon technicians approximately once per quarter. As such, the existence of this site will only increase traffic a handful of times a year and, only by one vehicle at a time, typically, at that. Also, since the equipment shelter is located well within the Lutheran Home complex, traffic along adjacent roads will not be impacted when field technicians are on site.

Verizon's proposed stealth enclosure will be mounted upon an existing penthouse. Under normal circumstances, a special use waiver applies to wireless antennas when mounted within 10 feet of roof. However, since the penthouse is not considered the original roof, a variance was required even though Verizon's proposed antennas will not exceed 10 feet above the roofline that is already in place. This is extremely unique in that even though Verizon has prepared a design that does not exceed 10 feet above the roof upon which their antennas will be mounted, they are still required to file a variance.

- *The variation, if granted, will not alter the essential character of the locality.*

Verizon Wireless has been exceedingly thorough in its selection of this site. This site was specifically chosen to take into account that this proposal would not alter the essential character of the locality. Verizon's antennas will be shielded entirely by a stealth shroud constructed to match the exterior of the existing building. Furthermore, the rooftop location of Verizon's antennas is approximately 430 feet from the nearest residence to the south, approximately 580 feet from the nearest residence to the west, approximately 864 feet from the nearest residence to the east, and over 2,000 feet from the nearest residence to the north (not including Luther Village which is a tenant of Lutheran Home).

Having walked the entirety of the surrounding streets as part of Verizon Wireless' due diligence process on this site, it is apparent that most neighboring residences will not have a direct line of sight to the stealth enclosure. As has been depicted on the photographic renderings included in this application, the stealth enclosure is designed to blend seamlessly with the existing architecture of the building. As such, to the residences that do have a visual line of sight to Verizon's proposed antenna location will not see Verizon's antennas.

Since traffic to the vicinity will be minimally impacted for the reasons stated above, the essential character of the locality will not be altered by this variation.

In sum, since the stealth enclosure that shields Verizon's antennas will match exactly the exterior of the existing building, there will be no alteration to the essential character of the locality.

**Variation from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches (Chapter 28, Section 6.13)**

- *The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone.*



As stated above, Lutheran Home, provides residential and life-care services to many individuals. A significant proportion of these residents are elderly individuals, many of whom have serious medical conditions and health concerns.

The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone because it would have a severe and adverse impact on the ability of Lutheran Home to conduct its business and serve not only its residents, but the family, friends, and loved ones of those residents as well. It is imperative for the caregivers, nurses, occupational therapists, physical therapists, staff, residents, family, friends, and loved ones affiliated with Lutheran Home to have dependable wireless service in order to fulfill its duties.

Given the nature of the services Lutheran Home provides, it is essential for each of the parties mentioned above to have dependable wireless service to respond immediately and efficiently in the event of an emergency. In order for Lutheran Home to provide an environment that individuals feel safe sending their loved ones, they must be able to ensure that there will be reliable access to wireless coverage. The decision to place a loved one in a senior care facility is typically a difficult one. The overwhelming majority of individuals would want to know, with certainty, that the staff would be able to reach them immediately in the event of an emergency, especially a life-threatening emergency. Since most communication now takes place on mobile devices, and mobile devices are more likely to be on one's person (as opposed to a landline that requires an individual be at home at the exact moment of emergency), this is the best way to alert someone in an emergency situation. If Lutheran Home is unable to assure the loved ones of their residents that there is reliable access to wireless coverage on the premises, it will have a deleterious impact on the attractiveness of Lutheran Home as a residential facility. Since the entire business model for Lutheran Home is based upon providing a safe environment for their residents, depriving them of dependable wireless coverage (which many now consider to be critical to safety), will deleteriously impact their ability to attract residents in the future, and, thus, impair the ability of the property to yield a reasonable rate of return.

- *The plight of the owner is due to unique circumstances.*

The circumstances are unique in that Lutheran Home is applying for this variation for the benefit of neighbors and the community. The purpose of the variation for the additional fence height is to further screen Verizon's equipment. As such, this variation has been undertaken simply to improve and preserve the aesthetic appearance of the community and is not essential from the standpoint of the owner.

Verizon's proposed stealth enclosure will be mounted upon an existing penthouse. Under normal circumstances, a special use waiver applies to wireless antennas when mounted within 10 feet of roof. However, since the penthouse is not considered the original roof, a variance was required even though Verizon's proposed antennas will not exceed 10 feet above the roofline that is already in place. This is extremely unique in that even though Verizon has prepared a design that does not exceed 10 feet above the roof upon which their antennas will be mounted, they are still required to file a variance.

- *The variation, if granted, will not alter the essential character of the locality.*

In fact, granting this variation will serve to preserve the essential character of the locality. The sole purpose for the application for this variation is to provide better screening of Verizon's equipment shelter. The purpose is that the less of the equipment that is visible, the more the essential character of the locality will be preserved.

Verizon Wireless has been exceedingly thorough in its selection of this site. This site was specifically chosen to take into account that this proposal would not alter the essential character of the locality. Verizon's antennas will be shielded entirely by a stealth shroud constructed to match the exterior of the existing building. Furthermore, the rooftop location of Verizon's antennas is approximately 430 feet from the nearest residence to the south, approximately 580 feet from the nearest residence to the west, approximately 864 feet from the nearest residence to the east, and over 2,000 feet from the nearest residence to the north (not including Luther Village which is a tenant of Lutheran Home).

Having walked the entirety of the surrounding streets as part of Verizon Wireless' due diligence process on this site, it is apparent that most neighboring residences will not have a direct line of sight to the stealth enclosure. As has been depicted on the photographic renderings included in this application, the stealth enclosure is designed to blend seamlessly with the existing architecture of the building. As such, to the residences that do have a visual line of sight to Verizon's proposed antenna location will not see Verizon's antennas.

# BUILDING DEPARTMENT

1

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

|                                                                            |                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------|
| Petition #: P.C.                                                           | P.I.N.# 03-19-400-002-0000                             |
| Petitioner: Dan Dvehren, Dolan Realty Advisors LLC<br>for Verizon Wireless | Location: 800 W. Oakton St.                            |
| 144 W. Lockwood Ave, Suite 200, 63119                                      | Rezoning: _____ Current: <u>I</u> Proposed: _____      |
| Owner: Lutheran Life Communities,<br>Hector Centeno (224) 735-4063         | Subdivision: <u>N/A</u>                                |
| 3150 Salt Creek Lane, Arlington Heights, IL 60004                          | # of Lots: _____ Current: _____ Proposed: _____        |
| Contact Person: Dan Dvehren                                                | PUD: _____ For: <u>Rooftop antennas</u>                |
| Address: 144 W. Lockwood Ave Suite 200<br>Webster Groves, Mo 63119         | Special Use: _____ For: <u>Rooftop antennas</u>        |
| Phone #: 314-330-9278                                                      | Land Use Variation: _____ For: <u>Rooftop antennas</u> |
| Fax #: 314-963-7719                                                        | Land Use: _____ Current: <u>Senior housing</u>         |
| E-Mail: ddvehren@dolanrealtyadvisors.com                                   | Proposed: _____                                        |
|                                                                            | Site Gross Area: <u>240 SF (ground) + rooftop</u>      |
|                                                                            | # of Units Total: _____                                |
|                                                                            | 1BR: _____ 2BR: _____ 3BR: _____ 4BR: _____            |

(Petitioner: Please do not write below this line.)

DO EXISTING STRUCTURES, IF ANY, MEET MINIMUM REQUIREMENTS OF THE FOLLOWING:

YES NO

1. ☒ VILLAGE BUILDING CODE
2. ☐ PRESENT ZONING USE
3. ☐ REQUESTED ZONING USE
4. ☐ SUBDIVISION REQUIRED
5. ☐ SIGN CODE

6. GENERAL COMMENTS:

NO COMMENTS AT THIS TIME

DEB PIERCE 6-19-15  
Director PLAN REVIEWER Date

## BUILDING DEPARTMENT

1A

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C.  
 Petitioner: Dan Dvehren, Dolan Realty Advisors LLC  
for Verizon Wireless  
144 W. Lockwood Ave Suite 200, 63119  
 Owner: Lutheran Life Communities,  
Hector Centere (224) 735-4063  
3150 Salt Creek Lane, Arlington Heights IL 60004  
 Contact Person: Dan Dvehren  
 Address: 144 W. Lockwood Ave Suite 200  
Webster Groves Mo 63119  
 Phone #: 314-330-9278  
 Fax #: 314-~~444~~ 963-7719  
 E-Mail: ddvehren@dolanrealtyadvisors.com

P.I.N.# 03-19-400-002-0000  
 Location: 800 W. Calhoun St.  
 Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_  
 Subdivision: N/A  
 # of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: Rooftop antennas  
 Special Use: \_\_\_\_\_ For: Rooftop antennas  
 Land Use Variation: \_\_\_\_\_ For: Rooftop antennas  
 Land Use: \_\_\_\_\_ Current: Senior housing  
 Proposed: \_\_\_\_\_  
 Site Gross Area: 240'SF(ground) + rooftop  
 # of Units Total: \_\_\_\_\_  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

## INSPECTIONAL SERVICES

1. WHAT IS THE ANTENNA SHROUD GOING TO CONSTRUCTED OF?  
 PROVIDE DETAILS.

RECEIVED

JUN 19 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

Paul But  
 Director

6/19/15

Date



## PUBLIC WORKS DEPARTMENT

2

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. \_\_\_\_\_

Petitioner: Dan Dvehren, Dolan Realty Advisors, LLC  
for Verizon Wireless144 W. Lockwood Ave Suite 200, 63119Owner: Lutheran Life Communities,Hector Centeno (224) 735-4063350 Salt Creek Lane, Arlington Heights IL 60004Contact Person: Dan DvehrenAddress: 144 W. Lockwood Ave Suite 200Webster Groves MO 63119Phone #: 314-330-9278Fax #: 314-963-7719E-Mail: ddvehren@dolanrealtyadvisors.comP.I.N.# 03-19-400-002-0000Location: 800 W. Oakton St.Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_Subdivision: N/A# of Lots: - Current: - Proposed: -PUD: \_\_\_\_\_ For: Roof top antennasSpecial Use: \_\_\_\_\_ For: Roof top antennasLand Use Variation: \_\_\_\_\_ For: Roof top antennasLand Use: \_\_\_\_\_ Current: Senior Housing

Proposed: \_\_\_\_\_

Site Gross Area: 240' SF (ground) + rooftop

# of Units Total: \_\_\_\_\_

1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

|                             | EXISTING<br>IMPROVEMENT | REQUIRED<br>IMPROVEMENT | COMMENTS |
|-----------------------------|-------------------------|-------------------------|----------|
| 1. <u>UTILITIES:</u>        |                         |                         |          |
| Water                       | _____                   | <u>NO</u>               | _____    |
| Metering                    | _____                   | <u>NO</u>               | _____    |
| Backflow                    | _____                   | <u>NO</u>               | _____    |
| Sanitary Sewer              | _____                   | <u>NO</u>               | _____    |
| Storm Sewer                 | _____                   | <u>NO</u>               | _____    |
| 2. <u>SURFACE:</u>          |                         |                         |          |
| Pavement                    | _____                   | _____                   | _____    |
| Curb & Gutter               | _____                   | _____                   | _____    |
| Sidewalks                   | _____                   | _____                   | _____    |
| Street Lighting             | _____                   | _____                   | _____    |
| 3. <u>GENERAL COMMENTS:</u> |                         |                         |          |


  
 Director

6-26-15  
 Date

Per memo dated 6-24-15

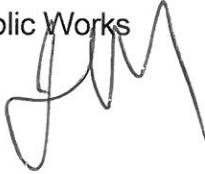
## Memorandum

To: Cris Papierniak, Assistant Director of Public Works

From: Jeff Musinski, Utilities Superintendent

Date: June 24, 2015

Subject: 800 W. Oakton, PC #15-009



---

With regard to the proposed wireless antenna, I have the following comments:

- 1) The proposed contractor must contact Todd Horndasch of Arlington Heights Public Works (VAHPW) at 847-368-5800 to verify the following;
  - a. There must be no intermodulation issues with the existing spread spectrum radios and repeaters located at VAHPW facilities (specifically the Thomas Tank located at Thomas & Walnut).
  - b. There must be no "line of sight" issues between existing VAHPW radio locations and the proposed shroud for the wireless antenna.
  - c. The issues in 1) a. & 1) b. must be addressed before permits are issued for the proposed wireless antenna and shroud.

If you have any questions, please feel free to contact me.

C. file

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-009  
 Petitioner: Dan Duehren, Dolan Realty Advisors LLC  
for Verizon Wireless  
144 W. Lockwood Ave, Suite 200, 63119  
 Owner: Lutheran Life Communities,  
Hector Centeno (224) 735-4063  
3150 Salt Creek Lane, Arlington Heights IL 60004  
 Contact Person: Dan Duehren  
 Address: 144 W. Lockwood Ave Suite 200  
Webster Groves Mo 63119  
 Phone #: 314-330-9278  
 Fax #: 314-963-7719  
 E-Mail: dduehren@dolanrealtyadvisors.com

P.I.N.# 03-19-400-002-0000  
 Location: 800 W. Oakton St.  
 Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_  
 Subdivision: N/A  
 # of Lots: - Current: - Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: Rooftop antennas  
 Special Use: \_\_\_\_\_ For: Rooftop antennas  
 Land Use Variation: \_\_\_\_\_ For: Rooftop antennas  
 Land Use: \_\_\_\_\_ Current: Senior Housing  
 Proposed: \_\_\_\_\_  
 Site Gross Area: 240' SF (ground) + rooftop  
 # of Units Total: -  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

## 1. PUBLIC IMPROVEMENTS

REQUIRED: \_\_\_\_\_ YES NO COMMENTS

## a. Underground Utilities

Water \_\_\_\_\_ X \_\_\_\_\_

Sanitary Sewer \_\_\_\_\_ X \_\_\_\_\_

Storm Sewer \_\_\_\_\_ X \_\_\_\_\_

## b. Surface Improvement

Pavement \_\_\_\_\_ X \_\_\_\_\_

Curb & Gutter \_\_\_\_\_ X \_\_\_\_\_

Sidewalks \_\_\_\_\_ X \_\_\_\_\_

Street Lighting \_\_\_\_\_ X \_\_\_\_\_

## c. Easements

Utility & Drainage \_\_\_\_\_ X \_\_\_\_\_

Access \_\_\_\_\_ X \_\_\_\_\_

## 2. PERMITS REQUIRED OTHER THAN VILLAGE:

a. MWRDGC \_\_\_\_\_

b. IDOT \_\_\_\_\_

c. ARMY CORP \_\_\_\_\_

d. IEPA \_\_\_\_\_

e. CCHD \_\_\_\_\_

3. R.O.W. DEDICATIONS? \_\_\_\_\_

4. SITE PLAN ACCEPTABLE? \_\_\_\_\_

5. PRELIMINARY PLAT ACCEPTABLE? \_\_\_\_\_

6. TRAFFIC STUDY ACCEPTABLE? \_\_\_\_\_

7. STORM WATER DETENTION REQUIRED? \_\_\_\_\_

8. CONTRIBUTION ORDINANCE EXISTING? \_\_\_\_\_

9. FLOOD PLAIN OR FLOODWAY EXISTING? \_\_\_\_\_

10. WETLAND EXISTING? \_\_\_\_\_

YES NO COMMENTS

X X \_\_\_\_\_

X \_\_\_\_\_

\_\_\_\_\_ N/A \_\_\_\_\_

\_\_\_\_\_ N/A \_\_\_\_\_

\_\_\_\_\_ X \_\_\_\_\_

\_\_\_\_\_ X \_\_\_\_\_

\_\_\_\_\_ X \_\_\_\_\_

\_\_\_\_\_ X \_\_\_\_\_

GENERAL COMMENTS ATTACHED

NO FURTHER COMMENTS AT THIS TIME.

PLANS PREPARED BY: TERRA  
 DATE OF PLANS: 11-19-14

John J. Smith 6/22/15  
 Director Date

RECEIVED

JUN 22 2015

PLANNING & COMMUNITY  
 DEVELOPMENT DEPARTMENT





# Arlington Heights Fire Department Plan Review Sheet

P. C. Number 15-009

Project Name

Verizon Rooftop Antenna at Luther Village

Project Location

800 W. Oakton

Planning Department Contact Latika Bhide

## General Comments

Shroud and antenna should not interfere with any access points currently provide to the structures roof.

**NOTE: PLAN IS CONCEPTUAL ONLY  
SUBJECT TO DETAILED PLAN REVIEW**

Date 7/9/15

Reviewed By: Lt. A. Larson

# ARLINGTON HEIGHTS POLICE DEPARTMENT

## Community Services Bureau

---

### DEPARTMENT PLAN REVIEW SUMMARY

**Verizon Rooftop- Luther Village**  
**800 W. Oakton**

#### Round 1 Review Comments

**6/30/2015**

**1. Character of use:**

The character of use is consistent with the area and is not a concern.

**2. Are lighting requirements adequate?**

Lighting should be up to Village of Arlington Heights code.

**3. Present traffic problems?**

There are no traffic problems at this location.

**4. Traffic accidents at particular location?**

This is not a problem area in relation to traffic accidents.

**5. Traffic problems that may be created by the development.**

Nothing further.

**6. General comments:**

Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. Emergency contact cards can be filled out at the Village of Arlington Heights website (vah.com). This allows police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.

 #272  
\_\_\_\_\_  
Brandi Romag, Crime Prevention Officer  
Community Services Bureau

Approved by:

 #517  
\_\_\_\_\_  
Supervisor's Signature

RECEIVED

JUL 01 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

## HEALTH SERVICES DEPARTMENT

6

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C.  
 Petitioner: Dan Duehren, Dolan Realty Advisors, LLC  
for Verizon Wireless  
144 W. Lockwood Ave Suite 200, 63119  
 Owner: Lutheran Life Communities,  
Hector Centeno (224) 735-4063  
3150 Salt Creek Lane, Arlington Heights IL 60004  
 Contact Person: Dan Duehren  
 Address: 144 W. Lockwood Ave Suite 200  
Webster Groves MO 63119  
 Phone #: 314-330-9278  
 Fax #: 314-963-7719  
 E-Mail: dduehren@dolanrealtyadvisors.com

P.I.N.# 03-19-400-002-0000  
 Location: 800 W. Oakton St.  
 Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_  
 Subdivision: N/A  
 # of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: Rooftop Antennas  
 Special Use: \_\_\_\_\_ For: Rooftop Antennas  
 Land Use Variation: \_\_\_\_\_ For: Rooftop Antennas  
 Land Use: \_\_\_\_\_ Current: Senior Housing  
 Proposed: \_\_\_\_\_  
 Site Gross Area: 240' SE (ground) + rooftop  
 # of Units Total: \_\_\_\_\_  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

1. GENERAL COMMENTS:

The project must fully comply with FCC regulations

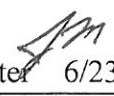
RECEIVED

JUN 25 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENTJeff Bohner  6/23/15

Environmental Health Officer

Date

James McCalister  6/23/15

Director

Date

# PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

7

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. \_\_\_\_\_ P.I.N.# 03-19-400-002-0000  
 Petitioner: Dan Duehren, Dolan Realty Advisors, LLC Location: 800 W. Calton St.  
for Verizon Wireless Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_  
144 W. Lockwood Ave, Suite 200 63119 Subdivision: \_\_\_\_\_  
 Owner: Lutheran Life Communities, # of Lots: 1 Current: 1 Proposed: 1  
Hector Centeno (224) 735-4063 PUD: \_\_\_\_\_ For: Rooftop Antennas  
3150 Salt Creek Lane, Arlington Heights, IL 60004 Special Use: \_\_\_\_\_ For: Rooftop Antennas  
 Contact Person: Dan Duehren Land Use Variation: \_\_\_\_\_ For: Rooftop Antennas  
 Address: 144 W. Lockwood Ave Suite 200 Land Use: \_\_\_\_\_ Current: Senior Housing  
Webster Groves Mo 63119 Proposed: \_\_\_\_\_  
 Phone #: 314-330-9278 Site Gross Area: 240' SF (ground) + rooftop  
 Fax #: 314-963-7719 # of Units Total: \_\_\_\_\_  
 E-Mail: dduehren@dolanrealtyadvisors.com 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

YES NO

1. NA \_\_\_\_\_ COMPLIES WITH COMPREHENSIVE PLAN?
2. NA \_\_\_\_\_ COMPLIES WITH THOROUGHFARE PLAN?
3. ✓ \_\_\_\_\_ VARIATIONS NEEDED FROM ZONING REGULATIONS?  
(See below.)
4. \_\_\_\_\_ ✓ VARIATIONS NEEDED FROM SUBDIVISION REGULATIONS?  
(See below.)
5. \_\_\_\_\_ ✓ SUBDIVISION REQUIRED?
6. \_\_\_\_\_ ✓ SCHOOL/PARK DISTRICT CONTRIBUTIONS REQUIRED?  
(See below.)

Comments:

[Signature] 6.30.15 Date

Planning Department Comments (PL15-009, Verizon Antenna at Luther Village, 800 W. Oakton Road)

7. The property is zoned I, Institutional. The use is classified as an "Antenna-radio-telephone, and television receiving or transmitting antenna, Commercial structure and other electronic equipment requiring outdoor structures" which is permitted as a Special Use in the Institutional District.
8. The following variations are necessary:
  - a. Chapter 28, Section 6.13 from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches for the screen wall for the generator pad and to allow six foot fence for the equipment shelter. – Staff does not object to this variation as the generator pad and equipment shelter are located in the rear.
  - b. Chapter 28, Section 6.12-1 from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer – Staff does not object to this variation as the rooftop antenna will not have any impact on the parking and traffic circulation.
9. Along with the Special Use Criteria, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:
  - a. The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.
  - b. A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge

Provide a written response to the standards above.

10. The Staff Development Committee is not supportive of this request as they have concerns with the proliferation of the antennas at this site, as well as the proposed location of the antennas - sited higher than the elevator shaft/penthouse. As proposed, the antenna enclosure does not blend in with the existing architectural character of the building.  
Has another location on this site where the antenna is not sited higher than the elevator shaft/penthouse explored? Has any other concealment method been explored? Can the antennas be installed at the elevator shaft/penthouse level?
11. Three trees are proposed to be removed – identify (species, condition and size) the trees to be removed. Replacement trees as required by the Ordinance must be provided.
12. Landscaping must be provided along the perimeter of the proposed screen wall.
13. Provide a letter from the property owner stating that they concur with having additional antennas on the building.
14. Provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
15. Provide a letter/documentation that demonstrates that the proposed antenna structures comply with all applicable FCC/EPA standards.



PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

7A

PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. \_\_\_\_\_ P.I.N.# 03-19-400-002-0000  
 Location: 800 W. Oakton St.  
 Petitioner: Dan Dvehren, Dolan Realty Advisors, LLC Rezoning: \_\_\_\_\_ Current: I Proposed: \_\_\_\_\_  
for Verizon Wireless Subdivision: N/A  
144 W. Lockwood Ave Suite 200, 63119 # of Lots: 1 Current: 1 Proposed: 1  
 Owner: Lutheran Life Communities PUD: \_\_\_\_\_ For: Rooftop Antennas  
Hector Cendamo (224)-735-4063 Special Use: \_\_\_\_\_ For: Rooftop Antennas  
3150 Salt Creek Lane, Arlington Heights IL 60004 Land Use Variation: \_\_\_\_\_ For: Rooftop Antennas  
 Contact Person: Dan Dvehren  
 Address: 144 W. Lockwood Ave Suite 200 Land Use: \_\_\_\_\_ Current: Senior Housing  
Webster Groves Mo 63119 Proposed: \_\_\_\_\_  
 Phone #: 314-330-9278 Site Gross Area: 240 SF (ground) + rooftop  
 Fax #: 314-963-7719 # of Units Total: \_\_\_\_\_  
 E-Mail: ddvehren@dolanrealtyadvisors.com 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

LANDSCAPE & TREE PRESERVATION:

|                                              | YES        | NO       |
|----------------------------------------------|------------|----------|
| 1. Complies with Tree Preservation Ordinance | _____      | <u>X</u> |
| 2. Complies with Landscape Plan Ordinance    | _____      | _____    |
| 3. Parkway Tree Fee Required<br>(See below.) | <u>N/A</u> | _____    |

Comments:

- 1) Pursuant to Chapter 28, Section 6.15-5, identify the size of the two trees proposed for removal, the species, and condition. Replacement tree must be provided per the exchange rate outlined in Chapter 28, Section 6.15-5.4.
- 2) Provide landscaping along the perimeter of the proposed screen wall.

Coordinator

Date

7/1/15

Response to Department Review Comments, 800 W Oakton St.

1. Building Department - Deb Pierce, Plan Reviewer

*No comments at this time.*

1A. Building Department - Paul Butt, Director

*What is the antenna shroud going to be constructed of. Provide details.*

- Acknowledged. Verizon Wireless will provide details of the materials used to constructed the antenna shroud.

2. Public Works Department - Chris Papierniak, Assistant Director of Public Works

*N/A*

2A. Public Works Department - Jeff Musinski, Utilities Superintendent

*With regard to the proposed wireless antenna, I have the following comments:*

- 1) *The proposed contractor must contact Todd Horndasch of Arlington Heights Public Works (VAHPW) at 847-368-5800 to verify the following;*
  - a) *There must be no intermodulation issues with the existing spread spectrum radios and repeaters located at VAHPW facilities (specifically the Thomas Tank located at Thomas & Walnut).*
  - b) *There must be no "line of sight" issues between existing VAHPW radio locations and the proposed shroud for the wireless antenna.*
  - c) *The issues in 1) a. & 1) b. must be addressed before permits are issued for the proposed wireless antenna and shroud.*

- Acknowledged. Verizon Wireless will have the contractor contact Todd Horndasch to verify there will be no intermodulation issues and no "line of sight" issues as a result of the antenna shroud.

3. Engineering Department - Jim Massarelli, Director of Engineering

*No further comments at this time.*

4. Police Department – Brandi Romag, Crime Prevention Officer, Community Services Bureau

1. *Character of use: The character of use is consistent with the area and is not a concern.*



- No Response needed.

*2. Are lighting requirements adequate? Lighting should be up to Village of Arlington Heights code.*

- No Response needed.

*3. Present traffic problems? There are no traffic problems at this location.*

- No Response needed.

*4. Traffic accidents at particular location? This is not a problem area in relation to traffic accidents.*

- No Response needed.

*5. Traffic problems that may be created by the development. Nothing further.*

- No Response needed.

*6. General comments: Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. Emergency contact cards can be filled out at the Village of Arlington Heights website (vah.com). This allows police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.*

- Acknowledged.

5. Health Services Department – Jeff Bohner, Environmental Health Officer and James McCalister, Director of Building and Health Services

*The project must fully comply with FCC regulations.*

- Acknowledged.

6. Planning and Community Development Department – Landscape

*Comments:*

- 1) Pursuant to Chapter 28, Section 6.15-5, identify the size of the two trees proposed for removal, the species, and condition. Replacement tree must be provided per the exchange rate outlined in Chapter 28, Section 6.15-5.4.*
- 2) Provide landscaping along the perimeter of the proposed screen wall.*

- Acknowledged.

## 6A. Planning and Community Development

*7. The property is zoned I, Institutional. The use is classified as an "Antenna-radio-telephone, and television receiving or transmitting antenna, Commercial structure and other electronic equipment requiring outdoor structures" which is permitted as a Special Use in the Institutional District.*

*8. The following variations are necessary:*

- a. Chapter 28, Section 6.13 from the requirement that fences shall not exceed a height of five feet to allow eight feet eleven inches for the screen wall for the generator pad and to allow six foot fence for the equipment shelter. – Staff does not object to this variation as the generator pad and equipment shelter are located in the rear.*
- b. Chapter 28, Section 6.12-1 from the requirement to provide a traffic study and parking analysis prepared by a qualified professional engineer – Staff does not object to this variation as the rooftop antenna will not have any impact on the parking and traffic circulation.*

*9. Along with the Special Use Criteria, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:*

- a. The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.*
- As demonstrated by the aerial image showing Verizon Wireless' Search Area and including existing towers, there were no existing towers within the Search Area required to meet Verizon Wireless' RF needs. At the outset, Verizon Wireless' Radio Frequency Engineer requested a centerline (CL) height of 100' to meet the needs of the network. Once it was determined that it would not be possible to mount antennas at that height anywhere within the Search Area, RF accepted the current centerline of 65' provided by the antennas being mounted on top of the existing penthouse. Verizon would be unable to mount antennas at the same centerline as the existing antennas (approximately 55') due to interference. To mount antennas below the level of the existing antennas, which would provide an approximate centerline of 45', would considerably degrade the coverage and capacity of the network, especially on the perimeter. Placing antennas at a centerline of 45' would require Verizon to accept more than a 50% reduction from the initial centerline requirement of 100' which is, ideally, what is needed for Verizon to meet its needs. As such, Verizon needs to be located above the penthouse, at a centerline of 65', in order to maximize its ability to improve wireless

service in the vicinity. In terms of concealment, Verizon typically has two (2) options: 1) flush-mount antennas to an exterior wall and paint to match the existing exterior or 2) shield the antennas from view with a stealth enclosure (Verizon's current proposal). To utilize the first concealment option, Verizon would have to locate antennas at a lower centerline and did not explore that possibility due to the RF requirements mentioned above.

*b. A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork of stonework, solid wood fence, densely planted compact hedge or berm and hedge.*

- Acknowledged. Verizon Wireless will provide a landscaping plan.

*Provide a written response to the standards above.*

*10. The Staff Development Committee is not supportive of this request as they have concerns with the proliferation of the antennas at this site, as well as the proposed location of the antennas – sited higher than the elevator shaft/penthouse. As proposed, the antenna enclosure does not blend in with the existing architectural character of the building.*

*Has another location on this site where the antenna is not sited higher than the elevator shaft/penthouse been explored? Has any other concealment method been explored? Can the antennas be installed at the elevator shaft/penthouse level?*

- Please see answer to 9 a.

*11. Three trees are proposed to be removed – identify (species, condition and size) the trees to be removed. Replacement trees as required by the Ordinance must be provided.*

- Acknowledged. Verizon Wireless will comply with the Tree Preservation Ordinance and Landscape Plan Ordinance.

*12. Landscaping must be provided along the perimeter of the proposed screen wall.*

- Acknowledged. Verizon Wireless will provide landscaping along the perimeter of the proposed screen wall.

*13. Provide a letter from the property owner stating that they concur with having additional antennas on the building.*

- Acknowledged. Verizon Wireless will furnish the Village with a redacted copy of the executed lease agreement to demonstrate property owner

concurrence. If necessary, Verizon will provide a letter from the property owner stating that they concur with having additional antennas on the building.

*14. Provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.*

- Acknowledged. Verizon Wireless will provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.

*15. Provide a letter/documentation that demonstrates that the proposed antenna structures comply with all applicable FCC/EPA standards.*

- Acknowledged. Verizon Wireless will provide a letter/documentation that demonstrates that the proposed antenna structures comply with all applicable FCC/EPA standards.

## 7. Fire Department

*Shroud and antenna should not interfere with any access points currently provided to the structure's roof.*

- Acknowledged. Verizon Wireless will ensure that the shroud and antenna will not interfere with any access points currently provided to the structure's roof.



Dear Commissioner,

Please find, enclosed in this packet, information detailing the course Verizon Wireless pursued in its selection of Lutheran Home, located at 800 W. Oakton Street, as its candidate to improve coverage and capacity in the Village of Arlington Heights.

Verizon Wireless was exhaustive in its search efforts and specifically chose the Lutheran Home site because it would have the least aesthetic impact on the community.

Provided in this packet please find the following documents:

- Aerial Image of Verizon Wireless' Search Area
- 2015 Village of Arlington Heights Zoning Map – Verizon Wireless' Search Area Overlay – Potential Commercial Antenna Locations as allowed per Municipal Code
- Aerial Image of SE B-2 Zoning District with Four (4) Photos Depicting the Proximity to Residential Homes
- Aerial Image of SW B-2 Zoning District with Four (4) Photos Depicting the Proximity to Residential Homes
- Photographic rendering of Verizon Wireless' Proposed Site
- Search of Existing Towers
- 5.5-1 Permitted Use Table: Non-Manufacturing and Non-Residential
- 5.4 Table of Required Minimum Yards
- 6.14-2 Commercial Antenna and Related Structures and 6.14-2.1 Location

The Search Area provided by Verizon Wireless' RF Engineer depicting the vicinity where Verizon requires a wireless communications site in order to improve its coverage and capacity encompassed the following Village of Arlington Heights zoning districts: I, R-1, R-E, R-3, R-6, and B-2.

Per Section 5.5-1 Permitted Use Table: Non-Manufacturing and Non-Residential of the Village of Arlington Heights Municipal Code, commercial antennas are not a permitted use in any zoning district. Commercial antennas are allowed with a Special Use Permit in I and B-2 zoning districts. Commercial antennas are prohibited in the remainder of the Search Area per Arlington Heights Municipal Code.



Based upon the Village of Arlington Heights Municipal Code, Verizon Wireless only had three (3) potential locations where commercial antennas could be placed. One is the I (Institutional) zoning district where Lutheran Home is located. The other two are B-2 (General Business District) zoning districts located in the southern portion of the Search Area.

The two B-2 districts that fell within the Search Area are directly adjacent to an R-3 district. Per 5.4 Table of Required Minimum Yards of the Village of Arlington Heights Municipal Code, "where a rear lot line coincides with a side or rear lot line of property in an adjacent residential district, a yard shall be provided along such rear lot line. Such yard shall be 20-ft. in depth."

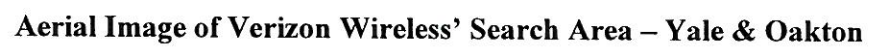
Further, per 6.14-2.1 Location. a. Commercial Antenna Structure. "Commercial antenna structures may not be located in any required yard." Given this, Verizon would have been unable to locate a wireless communications site within 20' of the rear lot line of the aforementioned B-2 zoning districts. As can be seen from the aerial images and photos depicting the proximity of the B-2 zoning districts to residential homes, this would have been infeasible.

Lastly, in order to meet its needs in either of the B-2 zoning districts would have required the construction of a new telecommunications tower that would have been highly visible to neighboring residents and passersby on Northwest Highway.

As such, Verizon chose to pursue placing antennas on the rooftop of Lutheran Home, entirely shielded from view by a stealth enclosure designed to match the existing façade of the building. As can be seen from the included photographic renderings, Verizon's antennas will not be visible.

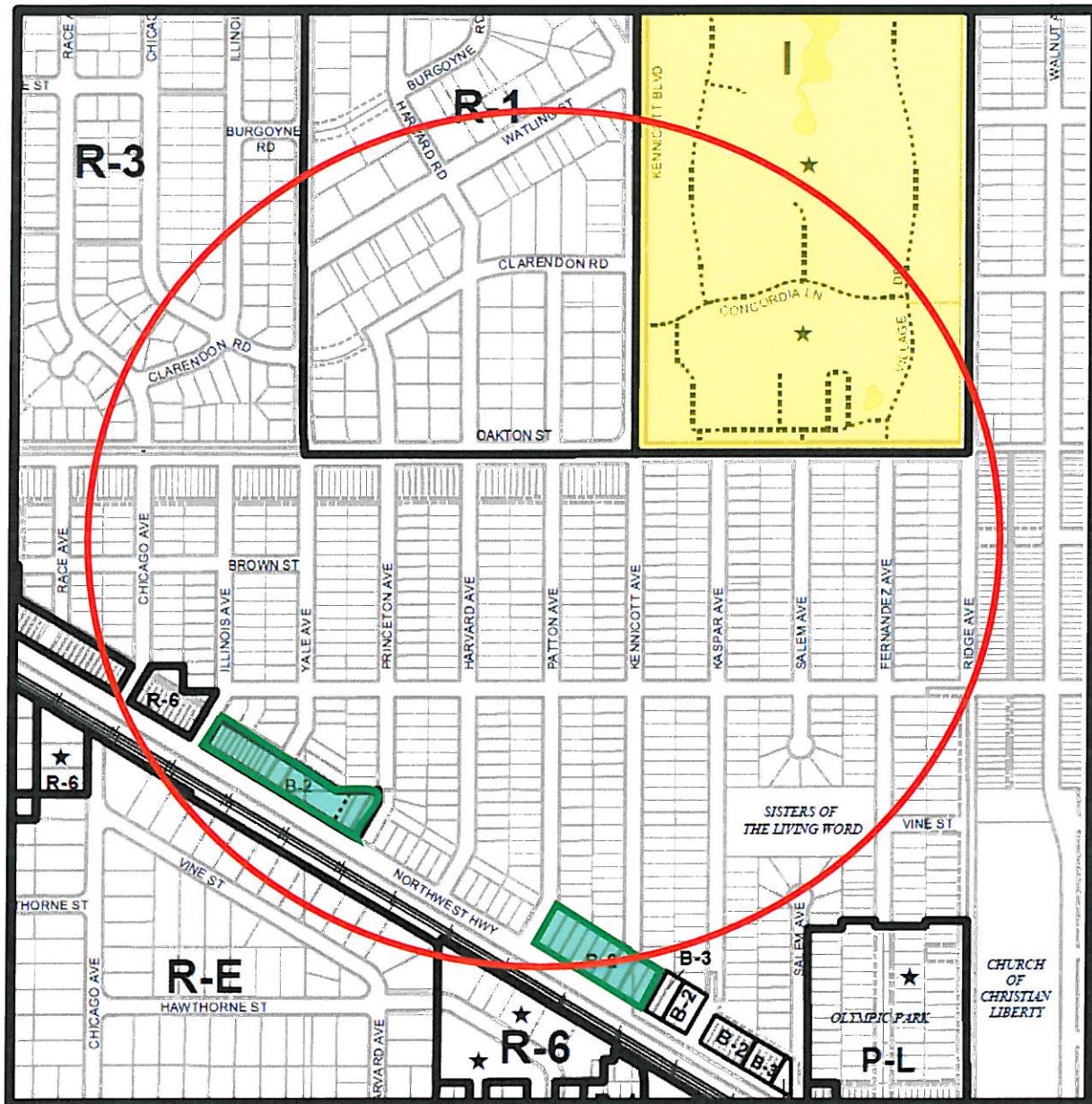
In sum, Verizon Wireless explored every available option within the Search Area to provide reliable wireless service to the residents and visitors of Arlington Heights alike, as federally mandated by its license with the FCC. Therefore, we believe that this proposal is in the best interests of both the residents of Arlington Heights and Verizon Wireless.





### Aerial Image of Verizon Wireless' Search Area – Yale & Oakton





Village of Arlington Heights Zoning Map – Verizon Wireless’ Search Area Overlay –  
Potential Commercial Antenna Locations as allowed per Municipal Code

### Yale & Oakton

B-2 Zoning District

I Zoning District









Photo #1





**Photo #2**





**Photo #3**



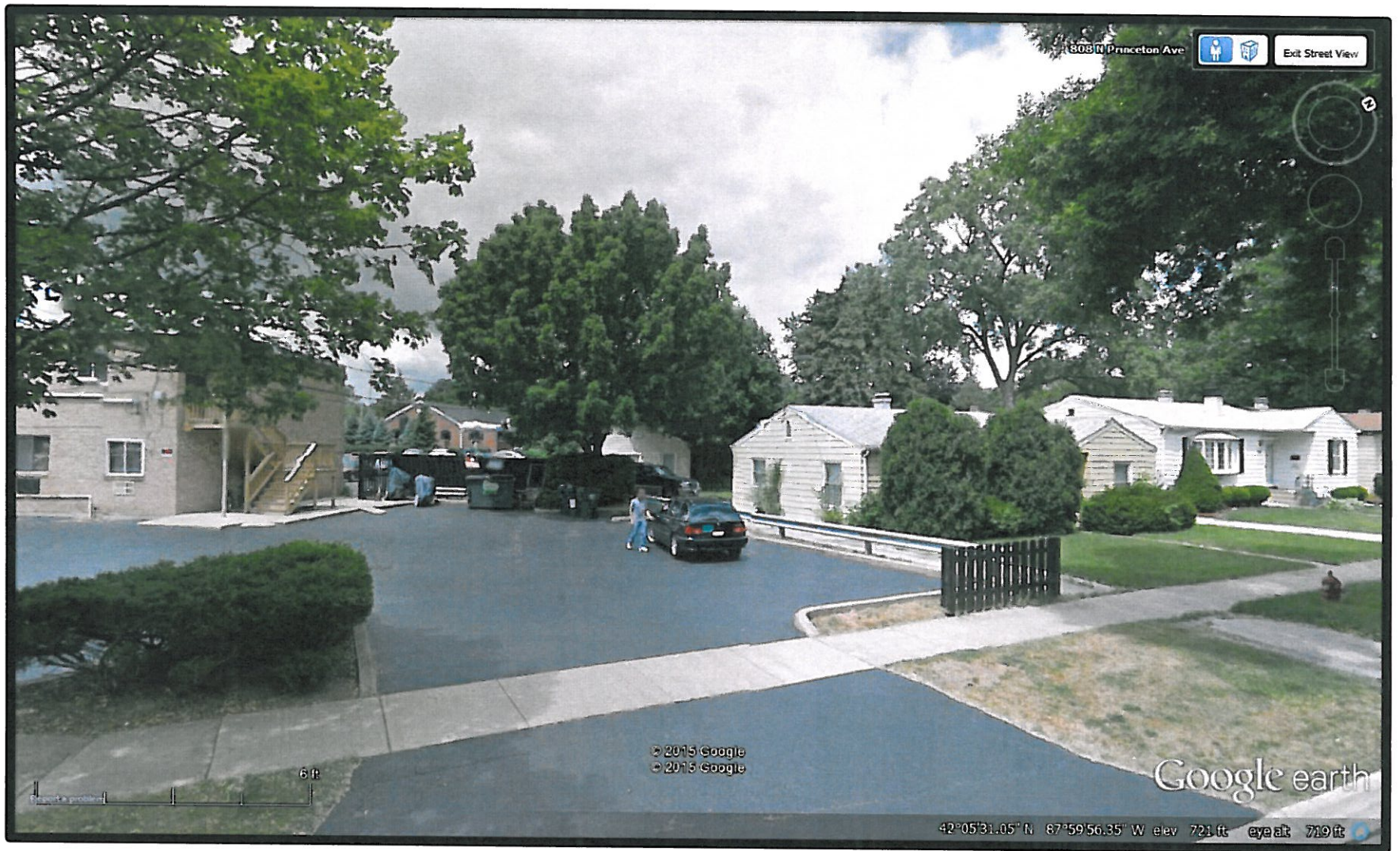


Photo #4









**Photo #5**





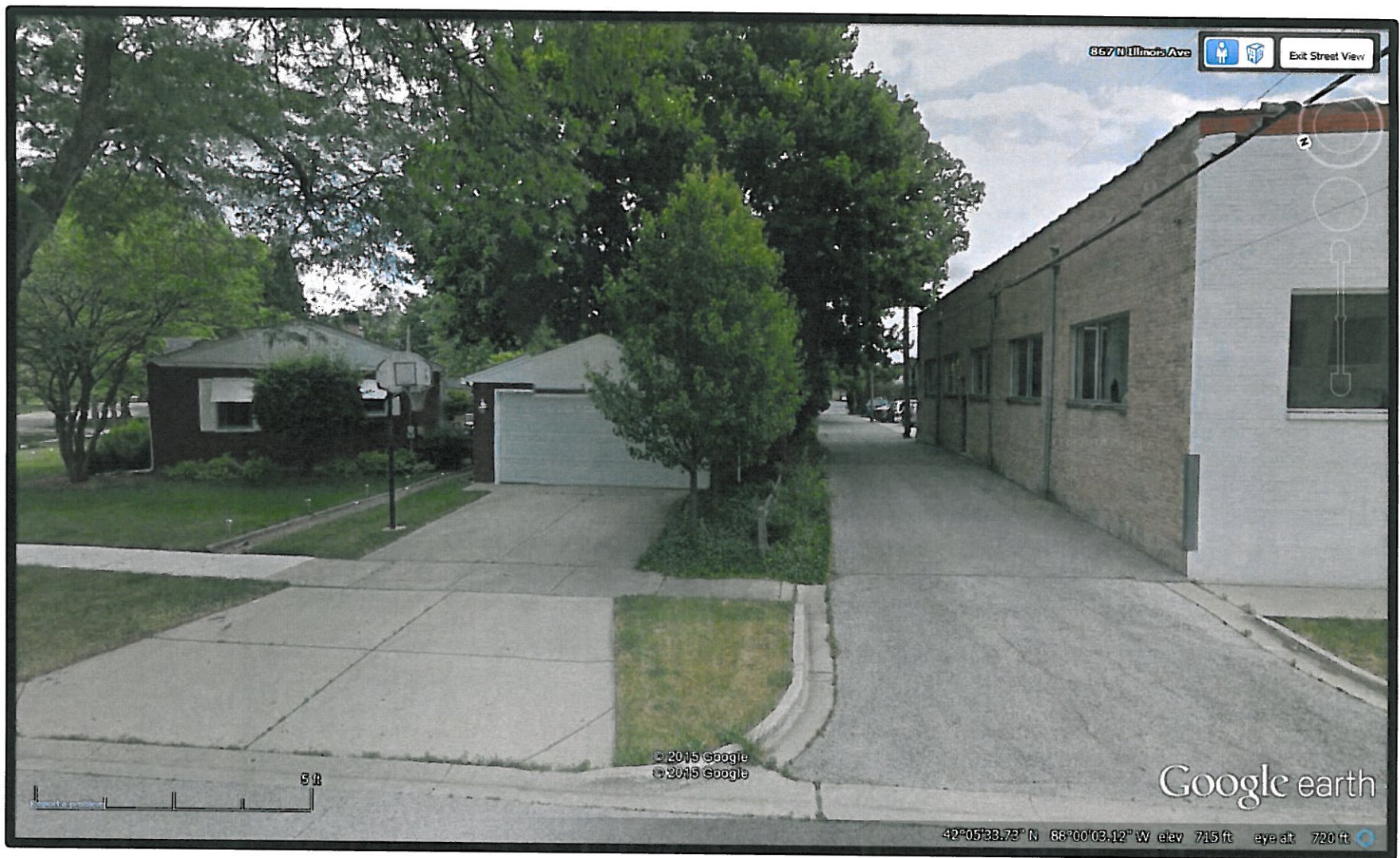
Photo #6





**Photo #7**





**Photo #8**





BEFORE



AFTER

## Yale & Oakton

View From North







BEFORE



AFTER

## Yale & Oakton

View From East



**TERRA**

ENVIRONMENTAL SERVICES, LLC  
4700 Eureka Highway, Park Ridge, IL 60068  
Phone: 817-698-4100 Fax: 817-698-4351







BEFORE



AFTER

## Yale & Oakton

View From South



**TERRA**

COMMUNICATIONS DESIGN & CONSTRUCTION  
4000 Blaine Highway, Park Ridge, IL 60068  
Phone: 417.400.6300 Fax: 417.400.6301







BEFORE

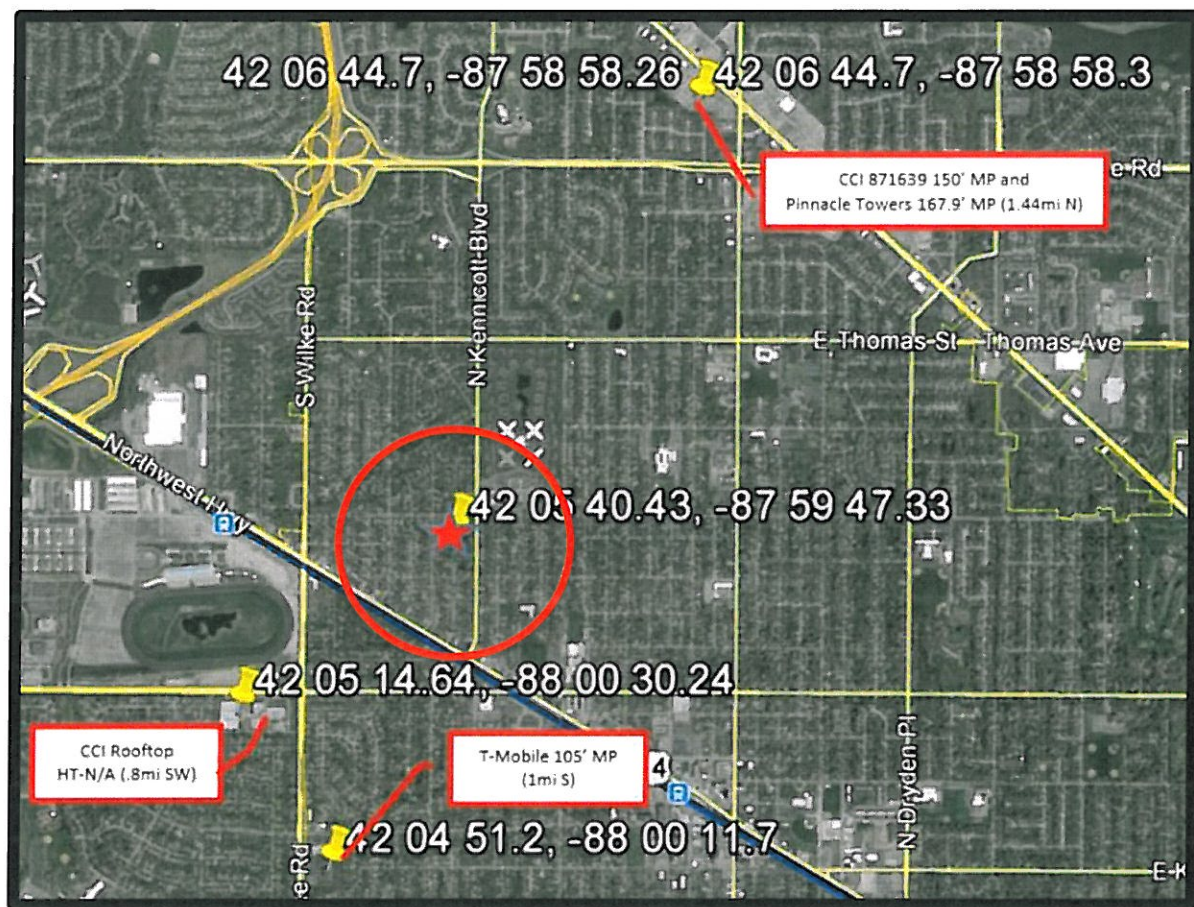


AFTER

# Yale & Oakton

View From West





**Aerial Image of Existing Wireless Towers – Verizon Wireless' Search Area Overlay  
Yale & Oakton**



## ZONING REGULATIONS

### 5.5-1 PERMITTED USE TABLE: NON-MANUFACTURING AND NON-RESIDENTIAL

X=PERMITTED USE

S=SPECIAL USE

| <u>R-<br/>E<br/>R-<br/>1</u> | <u>R-<br/>2</u> | <u>R-<br/>3</u> | <u>R-<br/>4</u> | <u>R-<br/>5</u> | <u>R-<br/>6</u> | <u>R-<br/>7</u> | <u>I</u> | <u>O-<br/>T</u> | PERMITTED-SPECIAL<br>USES                                                                                                                                                                                                      | <u>B-<br/>1</u> | <u>B-<br/>2</u> | <u>B-<br/>3</u> | <u>B-<br/>4</u> | <u>B-<br/>5</u> | <u>O-<br/>R</u> | <u>P-<br/>L</u> | <u>M-<br/>1</u> | <u>M-<br/>2</u> |
|------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                              |                 |                 |                 |                 |                 |                 | S        | X               | ACCESSORY USES<br>INCIDENTAL TO PERMITTED<br>PRINCIPAL USES                                                                                                                                                                    | X               | X               | X               | X               | X               | X               | X               | X               | X               |
|                              |                 |                 |                 |                 |                 |                 |          |                 | (Ord. #06-064)<br>ADULT BUSINESS                                                                                                                                                                                               |                 |                 | S               |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | AGRICULTURAL IMPLEMENT<br>SALES AND SERVICE WHEN<br>CONDUCTED WHOLLY<br>WITHIN AN ENCLOSED<br>BUILDING                                                                                                                         |                 |                 | X               |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 | X        |                 | AMBULATORY CARE<br>FACILITY                                                                                                                                                                                                    |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ANIMAL HOSPITALS                                                                                                                                                                                                               |                 | X               | X               |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 | S        | S               | ANTENNA-RADIO-<br>TELEPHONE, AND<br>TELEVISION RECEIVING OR<br>TRANSMITTING ANTENNA<br>COMMERCIAL STRUCTURE<br>AND OTHER ELECTRONIC<br>EQUIPMENT REQUIRING<br>OUTDOOR STRUCTURES AS<br>DEFINED AND RESTRICTED IN<br>CHAPTER 23 | S               | S               | S               | S               | S               | S               | S               | S               | S               |
| X                            | X               | X               | X               | X               | X               |                 |          |                 | ANTENNA, NON-<br>COMMERCIAL, AND RELATED<br>STRUCTURES SUBJECT TO<br>THE REGULATIONS IN<br>CHAPTER 23, ARTICLE XIII                                                                                                            |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ANTIQUE SHOPS                                                                                                                                                                                                                  | X               | X               | X               | X               | X               |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | APPLIANCE SALES                                                                                                                                                                                                                |                 | X               | X               | X               | X               |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ARCADE,<br>AMUSEMENT/INTERNET<br>COMPUTER, LARGE<br>(See Additional Requirements for<br>Use Districts)                                                                                                                         |                 | S               | S               |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ARCADE,<br>AMUSEMENT/INTERNET<br>COMPUTER, SMALL                                                                                                                                                                               |                 | X               | X               |                 |                 |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ART GALLERIES                                                                                                                                                                                                                  | X               | X               | X               | X               | X               |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | (Ord. #12-055)<br>ARTS & CRAFT STUDIOS                                                                                                                                                                                         |                 | X               | X               | X               | X               |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | ARTS, CRAFTS, & SCHOOL<br>SUPPLY<br>STORES                                                                                                                                                                                     | X               | X               | X               | X               | X               |                 |                 |                 |                 |
|                              |                 |                 |                 |                 |                 |                 |          |                 | AUCTION ROOMS                                                                                                                                                                                                                  |                 | X               | X               | X               | X               |                 |                 |                 |                 |

# ZONING REGULATIONS

| DISTRICT                                                                                                                                          | FRONT (feet)                                                                                                                                                                                                                                                                | SIDE (feet)                                                                                                                                                                                                                                                                                                                                              | REAR (feet)                                                                                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>R-6</b><br>Single-Family                                                                                                                       | See Section 5.1-3.6                                                                                                                                                                                                                                                         | See Section 5.1-3.6                                                                                                                                                                                                                                                                                                                                      | See Section 5.1-3.6                                                                                                                                                                                  |
| All Other Uses                                                                                                                                    | 25' plus 1-foot for each foot or fraction thereof by which building height exceeds 25-feet                                                                                                                                                                                  | 10% of lot width plus 1-foot for each foot or fraction thereof which exceeds a building height of 25-feet (See Section 5.1-6.5 for exterior side yard & new subdivisions)                                                                                                                                                                                | 30' plus 1-foot for each foot or fraction thereof which exceeds a building height of 25-feet                                                                                                         |
| <b>R-7</b>                                                                                                                                        | 25' plus 1-foot for each foot or fraction thereof by which building height exceeds 40-feet                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                      |
| <b>R-7</b>                                                                                                                                        |                                                                                                                                                                                                                                                                             | 10% of lot width plus 1-foot for each foot or fraction thereof which exceeds 40-feet (See Section 5.1-7.6 for exterior side yard & new subdivisions.                                                                                                                                                                                                     | 30                                                                                                                                                                                                   |
| <b>I</b><br>1 & 2-Story<br>3-Story<br>4-Story                                                                                                     | 25<br>30<br>35                                                                                                                                                                                                                                                              | 25<br>30<br>35                                                                                                                                                                                                                                                                                                                                           | 30<br>35<br>40                                                                                                                                                                                       |
| <b>O-T</b>                                                                                                                                        | 25                                                                                                                                                                                                                                                                          | Side yards of at least 20-ft in width shall be provided on each side on lots adjacent to a residential district. No side yards are required on that side that is adjacent to a business or manufacturing district. At least one side yard of 12-ft. is required per lot.                                                                                 | 30-ft. may be reduced half the width of an adjoining alley.                                                                                                                                          |
| <b>B-1, B-2, B-3, &amp; B-4</b><br>transitional yards adjoining residential districts.<br><br>See Section 6.12 for vision clearance requirements. | When lots front on a street & at least 80% of the frontage directly across the street between two consecutive intersecting streets is in a residential district, the front yard regulations for the residential district shall apply to said lots in the business district. | Where a side lot line coincides with a side or rear lot line of property in an adjacent residential district, a yard shall be provided along such side lot line. Such yard shall be equal in dimension to the minimum side yard which would be required under this ordinance for a residential use on the adjacent property in the residential district. | Where a rear lot line coincides with a side or rear lot line of property in an adjacent residential district, a yard shall be provided along such rear lot line. Such yard shall be 20-ft. in depth. |



## ARLINGTON HEIGHTS MUNICIPAL CODE

- a. **Non-Commercial Antenna Structure.** Non-Commercial antenna structures may be mounted only on roofs or rear yards with a minimum distance of ten feet from the property lines. Each residence is allowed only one ground structure. In multi-family developments, each building is allowed one ground structure. (Refer to Section 6.6-5 of this Code.)
- b. **Non-Commercial Earth Stations.** In residential districts, non-commercial earth stations shall be permitted obstructions in rear yards only with a minimum distance of ten feet from the property lines. On corner lots, no earth station shall be erected outside of the established building line of both street frontages and, where no building line is established, earth stations shall have a minimum setback of 25-feet from property lines fronting on any street or highway. (Refer to Section 6.6-5 of this Code.)

**6.14-2 Commercial Antenna and Related Structures.** Commercial antenna and related structures are special uses in all non-residential districts and are subject to Chapter 23, Article II.

### **6.14-2.1 Location.**

- a. **Commercial Antenna Structure.** Commercial antenna structures may not be located in any required yard. Where no minimum yard is established, commercial antenna structures may be located no closer than ten-feet to any lot line of 25-feet to lot line, if adjacent to a residential district.
- b. **Commercial Earth Stations.** In business and manufacturing districts, commercial earth stations shall be permitted obstructions in rear and side yards. If located adjacent to a residential district, a minimum distance of ten feet from the property line is required.

**6.14-2.2 Commercial Antenna Standards.** The following standards will be considered in addition to those stipulated in Chapter 23, Article XIII, when determining whether approval of an application for a commercial antenna structure is in the public interest:

- a. The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.
- b. A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge.

**6.14-2.3 Special Use Waiver for Use of Existing Antenna Structure.** The special use requirement for a commercial antenna may be waived if the petitioner locates the antenna on an existing antenna tower or structure. The petitioner must submit detailed plans to the Planning Department for an administrative review to determine if the special use public hearing can be waived. No building permit will be issued until approval is granted through the administrative review.

### **6.14-3 Location.**

- a. **Non-Commercial Antenna Structure.** Non-Commercial antenna structures may be mounted only on roofs or rear yards with a minimum distance of 10-feet from the property lines. Each residence is allowed only one ground structure. In multi-family developments, each building is allowed one ground structure. (Refer to Section 6.6-5 of this code).

## PLAN COMMISSION PROJECT TIMELINE

---

Project Name: Dolan Realty Advisors on behalf of Verizon Wireless  
PC Number: PC 15-009  
Location: 800 W. Oakton  
Requested Action: A Special Use Permit for a rooftop wireless antenna and variations

|                                           | Date      | # of Business Days            |
|-------------------------------------------|-----------|-------------------------------|
|                                           |           |                               |
|                                           |           |                               |
| Plat and Sub Committee Meeting            | 4-08-2015 |                               |
| Awaiting Petitioner PC Application        | 6-15-2015 | 47 days                       |
| PC Application Submittal Date             | 6-15-2015 |                               |
| 1 <sup>st</sup> Round Department Comments | 7-01-2015 | 12 days                       |
| Petitioner's Response                     | 7-13-2015 | 7 days                        |
| PC Hearing*                               | 7-22-2015 | 26 days from application date |
| Village Board                             | 8-03-2015 | 8 days                        |
| Village Board Ordinance Adoption          | 8-17-2015 | 10 days                       |

Note:

\* Legal notice; State Statute requires 15 to 30 days notice.



**Item:** T-Mobile - 1000 S. Arlington Heights Rd. - PC#15-003

**Department:** Planning & Community Development

## **BACKGROUND**

A Special Use Permit for a Wireless Antenna Tower.

The Plan Commission recommended approval of a 75 foot high monopole antenna subject to the conditions listed below. Condition #3 states that "Prior to Village Board consideration, provide a letter from the Northwest Central Dispatch (NWCD) indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies." The petitioner has submitted a majority of the information to NWCD, with the exception of certain requirements such as construction drawings and intermodal study. The petitioner was informed by the NWCD that it could take at least two weeks to obtain the letter. Therefore, staff is recommending that the Village Board review this request at this time and require that the letter be submitted to the Village prior to permit issuance.

## **RECOMMENDATION**

A public hearing was held by the Plan Commission on July 22, 2015 where Commissioner Drost moved and Commissioner Sigalos seconded:

A motion to recommend to the Village Board of Trustees, approval of PC#15-003, a Special Use Permit for a wireless antenna tower. This approval is contingent upon compliance with the recommendation of the Plan Commission and the following recommendations detailed in the Staff Development Committee Report dated July 16, 2015:

1. The landscaping screening shall be installed completely on private property, subject to Village approval.
2. The number of platforms/carries allowed on the antenna will be limited to two. The installation of additional platforms will require a Special Use Permit amendment.

3. Prior to Village Board consideration, provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
4. Prior to receiving a permit, submit any required State or Federal approvals.
5. The petitioner shall comply with all Federal, State, and Village codes, regulations, and policies.

Roll Call Vote: Commissioners Cherwin, Drost, Ennes, Green, Jensen and Chairman Lorenzini voted in favor. Commissioner Sigalos voted against. The motion carried.

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>                              | <b>Type</b>                |
|-------------------------------------------------|----------------------------|
| PC Staff Report 7/22/15                         | Board or Commission Report |
| PC Minutes 7/22/15 DRAFT                        | Minutes                    |
| PC Staff Report 5/13/15                         | Board or Commission Report |
| PC Minutes 5/13/15                              | Minutes                    |
| Key Issues Post 1st PC Hearing & Correspondence | Correspondence             |
| Location Map                                    | Exhibits                   |
| Plan Set - Revised                              | Exhibits                   |
| Coverage Plot - Revised                         | Exhibits                   |
| Photo Simulations                               | Exhibits                   |
| Special Use Justification                       | Correspondence             |
| Department Comments                             | Correspondence             |
| Petitioner Response to Department Comments      | Correspondence             |
| T-Mobile Other Locations - Height               | Exhibits                   |
| PC Timeline Tracker                             | Correspondence             |

## **STAFF DEVELOPMENT COMMITTEE REPORT**

**To:** Plan Commission  
**Prepared By:** Latika Bhide, Development Planner  
**Meeting Date:** July 22, 2015  
**Date Prepared:** July 16, 2015  
**Project Title:** T-Mobile  
**Address:** 1000 S. Arlington Heights Road

### **BACKGROUND INFORMATION**

**Petitioner:** Peter Aimaro, National Wireless Ventures, LLC. (Agent for T-Mobile)  
**Address:** 828 Grand Boulevard  
 Joliet, IL 60436

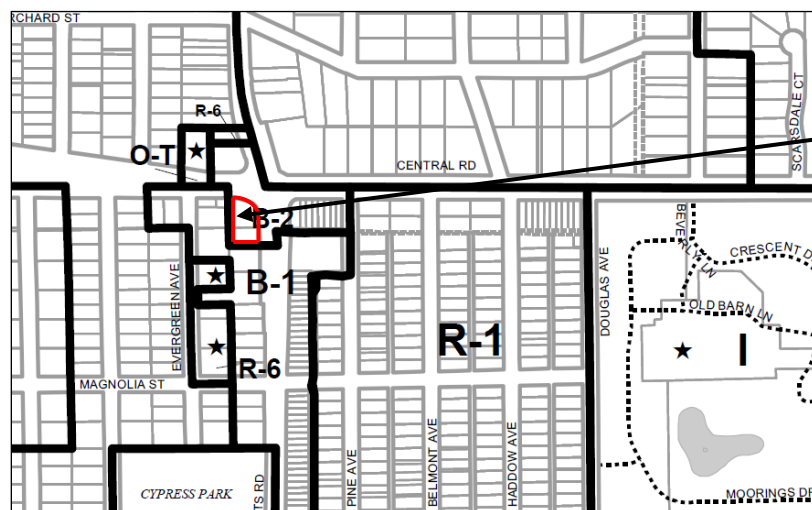
**Existing Zoning:** B-2, General Business District

### **Requested Action:**

- A Special Use Permit for a Wireless Antenna Tower

### **Variations Identified:**

- Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole.



### **Surrounding Properties**

| Direction | Zoning | Existing Land-Use          | Comprehensive Plan |
|-----------|--------|----------------------------|--------------------|
| North     | B-2    | Shell                      | Commercial         |
| South     | B-1    | Armand's Beauty Salon      | Offices Only       |
| East      | B-2    | Goodyear Tires, KinderCare | Commercial         |
| West      | B-1    | Central Podiatry           | Offices Only       |

### **Background**

The subject property at 1000 S. Arlington Heights Road is approximately 0.52 acres in area. Autotech Auto Repair is located on the subject property. The applicant, T-Mobile is interested in leasing a 30' x 30' area at the southwest corner of the property and locating a wireless antenna. The antenna is proposed as a monopole design, 100 feet to the top of the tower. The antenna will be located approximately 113 feet from Arlington Heights Road and 168 feet from Central Road. The closest residential property is located approximately 200 feet from the property in question and the closest residential structure is located



approximately 249 feet from the antenna on the west side of Evergreen Avenue. The lease area will occupy and thus eliminate 4 existing parking spaces in the southwest corner of the site. Originally, the petitioner had proposed a 12-foot wide access easement to provide access to the lease area, resulting in an additional loss of 4 parking spaces. This has been revised and a 12-foot wide temporary construction easement is now proposed that does not encroach onto the parking spaces.

Radio and Telephone Antenna are required to obtain a Special Use Permit in the B-2, General Business District.

After the first public hearing, the petitioner has made the following changes to their application:

- The petitioner has provided coverage plots that demonstrate that there is a coverage hole in their service. They have also provided coverage plots that illustrate the coverage with the addition of the new site.
- The 12-foot wide access easement to provide access to the lease area has been revised and a 12-foot wide temporary construction easement is now proposed that does not encroach onto the parking spaces. Therefore only 4 parking spaces on site would be eliminated.
- The petitioner is proposing 3-foot tall landscaping along Central Road and Arlington Heights Road.
- The petitioner is proposing to add three landscape islands on the site, with four inch caliper trees within the islands.

### Summary

The Staff Development Committee originally recommended denial of this Special Use Request as they would prefer a less visible location of antenna or on a taller building. However, the SDC is recommending approval as outlined within the report, as the proposed wireless antenna tower is a utility, the petitioner has demonstrated a gap in service which can be covered with a 75 foot tall antenna, will be providing landscaping and site improvements agreed to and legal review of FCC regulations.

### Zoning and Comprehensive Plan

The site is zoned B-2 General Business District. Because the use is permitted as a Special Use in the B-2 district, therefore the petitioner has submitted a response (see attached) to the following special use criteria:

- **That said special use is deemed necessary for the public convenience at this location.**
- **That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.**
- **That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.**

Additionally, per Chapter 28, Section 6.14-2.2, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:

- **The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.**  
*The Plat and Subdivision Committee recommended that the petitioner consider a site further east, possibly within The Moorings, or west at the Northwest Community Hospital. The applicant has indicated that T-Mobile already has better coverage at that location and the inter-site distance with respect to the neighboring sites would be uneven and therefore requiring the site to have non-standard azimuths which might lead to interface between their own sectors. Also, by locating further east, the northwest of the search ring center would not be covered. At the Plan Commission hearing on May 13, 2015, the T-Mobile RF engineer stated that they could not locate on the hospital building due to it being well outside (approx. 0.60 miles from ring center) of the desired coverage area and they were only given a variance of 0.50 miles from the ring center. In addition, the RF engineer explained that the Hospital was only 0.37 miles from another T-Mobile location which would not achieve their desired coverage. Therefore, the petitioner prefers to locate a tower at 1000 S. Arlington Heights Rd.*

*The petitioner has provided coverage plots (see attachment: T-Mobile coverageplot.PDF on NOVUS) that demonstrate that there is a coverage hole in their service. They have also provided coverage plots that illustrate the proposed coverage with the addition of the new site. As listed above, the petitioner has stated that they cannot locate at the Northwest Community Hospital or the Moorings. There are no other tall buildings in this area where an antenna can be located.*

- **A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge.**

*The lease area will be enclosed by a 5 foot tall wooden fence. The petitioner has submitted a landscape plan that delineates five feet tall mission arborvitae on the outside of the fence area. The arborvitae are proposed to be 5-feet at planting.*

The Village's Comprehensive Plan designates this property as 'Commercial'.

The Comprehensive Plan establishes the overall strategy to guide the growth and development of the community. Within the Village's Comprehensive Plan, the proposed antenna meets the following goals:

#### Service, Facilities and System Goals:

1. To provide adequate municipal services and facilities in developing areas and improve them where necessary in the existing Village area.

The coverage plots provided by the petitioner demonstrate that there is a coverage gap in T-Mobile's existing coverage which will be filled by locating a Wireless Antenna Tower at this location. Also, by changing the access easement to a temporary construction easement that does not encroach onto the parking spaces, only 4 parking spaces are lost.

#### Plat and Subdivision Committee

On January 14, 2015, the Plat and Sub Committee met to discuss the project. While the subcommittee understood the need for a cell tower, they felt that this was not the most appropriate location. The Committee directed the applicant to explore other sites in the area such as The Moorings and the Northwest Community Hospital.

#### Building Code Review Board

Chapter 23, Section 203 of the Municipal Code establishes a maximum height of 75 feet for antenna towers. The Building Code Review Board (BCRB) makes recommendation to the Village Board on matters relating to waivers and amendments to Chapter 23 of the Municipal Code. Along with a Special Use for the wireless antenna tower, the petitioner is also requesting the following variation:

- Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole.

On April 30, 2015, The Building Code Review Board (BCRB) met to discuss the variation. The Board asked various questions involving possible locations, variables of antenna/towers; signal strength and etc. The Board determined that the petitioner did not prove a hardship that needed relief to allow a 100 foot monopole. The additional height up to 100-feet would allow the applicant to lease space on the tower to other carriers. The BCRB unanimously recommended denial of the variation.

At the meeting, the petitioner indicated that the antennas could be flush mounted, but they do not prefer to do it as it reduces the number of antennas that can be mounted on a tower and the cost is higher. The petitioner stated at the BCRB meeting that tower would most likely, at its fullest, have three antennas (three platforms for three carriers). A stealth application with flush mounted antenna rather than the proposal presented, with antennas mounted on a platform on the outside of the tower would be less intrusive at this location. If a stealth application is proposed for this site, prior to Village Board consideration, the petitioner will provide the required drawings.

Since then, the petitioner had indicated that a stealth design was not provided as an option for this location, as that would require the tower height to be raised to at least 125 feet in order to adequately accommodate for co-locators.

It should be noted that the issue as to the height of the pole has already been addressed by the Building Code Review Board. Therefore, since the BCRB has recommended denial, then any recommendation by the Plan Commission to approve the Special Use would be for a 75-foot tower. The only item within the purview of the Plan Commission is the request for a special use and the Commission should not address the height of the tower at all.

### **Plan Commission hearing**

The Plan Commission held a public hearing for this project on May 13, 2015. At the hearing, the Commission expressed the several concerns with the proposal including setting a precedent by approving this antenna without designating the appropriate locations for antennas within the Village. The Commission also asked regarding the restriction in the Village Code regarding the 75-foot height for the tower. The Commission expressed concerns with the number of vehicles on the site and the lack of an overall landscape plan for the site. The Plan Commission continued the hearing for this project.

The Zoning Ordinance spells out the permissible locations for cell towers in the Village. Wireless Antenna Towers are permitted as a Special Use in the B-1 through B-5, O-R, P-L, M-1, M-2, I, and O-T districts. Per the Zoning Ordinance, "special uses" require particular consideration as to their proper location in relation to adjacent established or intended uses, or to the planned development of the community. Special uses are evaluated on a case by case basis, so the Village cannot designate which parcels, among many, would be suitable without all issues being analyzed and discussed.

Chapter 23, Section 203 of the Municipal Code establishes a maximum height of 75 feet for antenna towers. The restriction on the height is a local amendment to the International Building Code and is not within the unamended IBC. This Village requirement has been in place for several years, but the reason why cell towers are limited to 75 foot is not known.

Following the Plan Commission hearing, the petitioner indicated that they are working with the property owner to remove excess vehicles from the property. The petitioner has stated that per the parking count they completed at the property on July 14, 2015, there were a total of 21 vehicles on the property, including employee vehicles.

Lastly, the petitioner has provided an overall landscape plan for the property, which is discussed below and has provided information regarding other T-Mobile antennas in the area and the height at which the antennas are located, which is attached.

### **Legal Department Review of Federal Communications Commission (FCC) Regulations**

The FCC has a shot clock that applies to both new antennas and collocations. For new antennas, which this one is, the Village has 150 days from the date a complete application was filed to issue its final written decision. The application was submitted on March 24, 2015, so the Village must issue its final written decision no later than August 22, 2015.

There are limitations to the authority the Village has to regulate new antennas as well as collocations. These include:

1. The regulation does not unreasonably discriminate among providers of functionally equivalent services;
2. The regulation does not prohibit or have the effect of prohibiting the provision of personal wireless services;
3. The municipality cannot regulate placement, construction and modification of personal wireless facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the FCC's regulation concerning such emissions; and
4. A municipality cannot deny a zoning application solely on the basis that one or more existing carriers serve a given geographic market.

Additionally, the decision of the Village to deny this request must be in writing and supported by substantial evidence which is contained in a written record. This means the Plan Commission, if they decide to deny this request, must explain that decision in detail.

### **Building, Site and Landscape Related Issues**

The proposed monopole will be located at the southwest corner of the property, visible from both Arlington Heights Road and Central Avenue. The petitioner is proposing a wood fence enclosing the area where the base station and the monopole will be located, resulting in a loss of 4 parking spaces. The petitioner had originally proposed a 6 foot high fence; however that is not permitted by the Zoning Code and would require a variation. The petitioner has altered their plans and will provide a 5 foot tall fence.

Per Chapter 28, Section 6.14-2.2, a landscaping plan is required to be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of

brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge. The petitioner is proposing to install arborvitae along the outside of the fence area. The arborvitae are proposed to be 5 feet at planting.

Per Chapter 28, Section 6.15-1.2, a 3 foot high drought/salt tolerant screen is required along Central Avenue and Arlington Heights Road in order to buffer the parking lot along the street frontage. The petitioner is proposing 3-foot tall landscaping along Central Road and Arlington Heights Road. As proposed, since some landscaping is located in the IDOT right-of-way, approval by IDOT will be required. The landscaping can be installed completely on private property and would eliminate the need to seek IDOT approval; however, it would result in the loss of parking spaces on site. The petitioner has stated that they would like to maintain as many parking spaces on the site as possible and will continue the permitting process through IDOT.

Attached is a staff concept illustrating how landscaping can be accommodated on-site.

Also, Per Chapter 28, Section 6.16-1.2, the ends of all parking rows must include a landscape island, which contains a 4" caliper shade tree. There are currently no parking islands on the site and it is considered non-conforming. The petitioner has provided an overall landscape plan for the site. According to the landscape plan provided, the petitioner is proposing to add three landscape islands on the site, with four inch caliper trees within the islands. The plan is deficient two landscaping islands, one at the southern end of the west-most parking row and the other at the eastern end of the southern-most parking row. However, it should be noted that the addition of the landscape islands will add green space to the site and help to delineate parking areas and the drive aisles.

### **Traffic & Parking Related Issues**

According to the parking plan originally provided, there are 29 spaces on site. Automobile Service Stations are required to provide one space for each employee plus three spaces for each service bay. Autotech Auto Repair has four service bays, requiring twelve parking spaces and four employees, thereby requiring a total of sixteen parking spaces.

Per Chapter 28, Section 6.12-1, any special use less than 5,000 square feet in floor area and located along a major or secondary arterial street (Arlington Heights Road and Central Road) as defined by the Village's Thoroughfare Plan, does not need to provide a traffic study, but shall be required to provide a detailed parking analysis. The applicant was required to provide parking counts for this site. According to the information provided by the petitioner, parking counts conducted on Thursday, Friday and Saturday indicated that there were 35, 40 and 41 vehicles on the site, more than the available parking on site. When staff visited the site on April 8, 2015, there were 42 cars, 1 trailer and 2 truck cabs in the parking lot. Several vehicles were tandem parked – 2 cars in depth.

Four parking spaces will be removed to locate the antenna and the base station, reducing the total parking spaces on-site to 25, which is more than the Code required parking spaces. However, as indicated by the parking counts and observed by staff, the number of vehicles on site exceeds the Code parking requirement. Originally, the petitioner had proposed a 12-foot wide access easement to provide access to the lease area, resulting in an additional loss of 4 parking spaces. This has been revised and a 12-foot wide temporary construction easement is now proposed that does not encroach onto the parking spaces. The petitioner has indicated that they are working with the property owner to remove excess vehicles from the property and per the parking count they completed at the property on July 14, 2015, there were a total of 21 vehicles on the property, including employee vehicles.

Per the revised plans provided by the applicant, 25 parking spaces are proposed on site, which exceeds the Code required parking.

### **Recommendation**

The Staff Development Committee recommends approval of a Special Use for a 75 foot tall monopole antenna. This approval shall be subject to the following conditions:

1. The landscaping screening shall be installed completely on private property, subject to Village approval.
2. The number of platforms/carries allowed on the antenna will be limited to two. The installation of additional platforms will require a Special Use Permit amendment.

3. Prior to Village Board consideration, provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with Village and other public and private telecommunication frequencies.
4. Prior to receiving a permit, submit any required State or Federal approvals.
5. The Petitioner shall comply with all Federal, State, and Village codes, regulations, and policies.

\_\_\_\_\_, July 16, 2015

Bill Enright, Deputy Director of Planning and Community Development

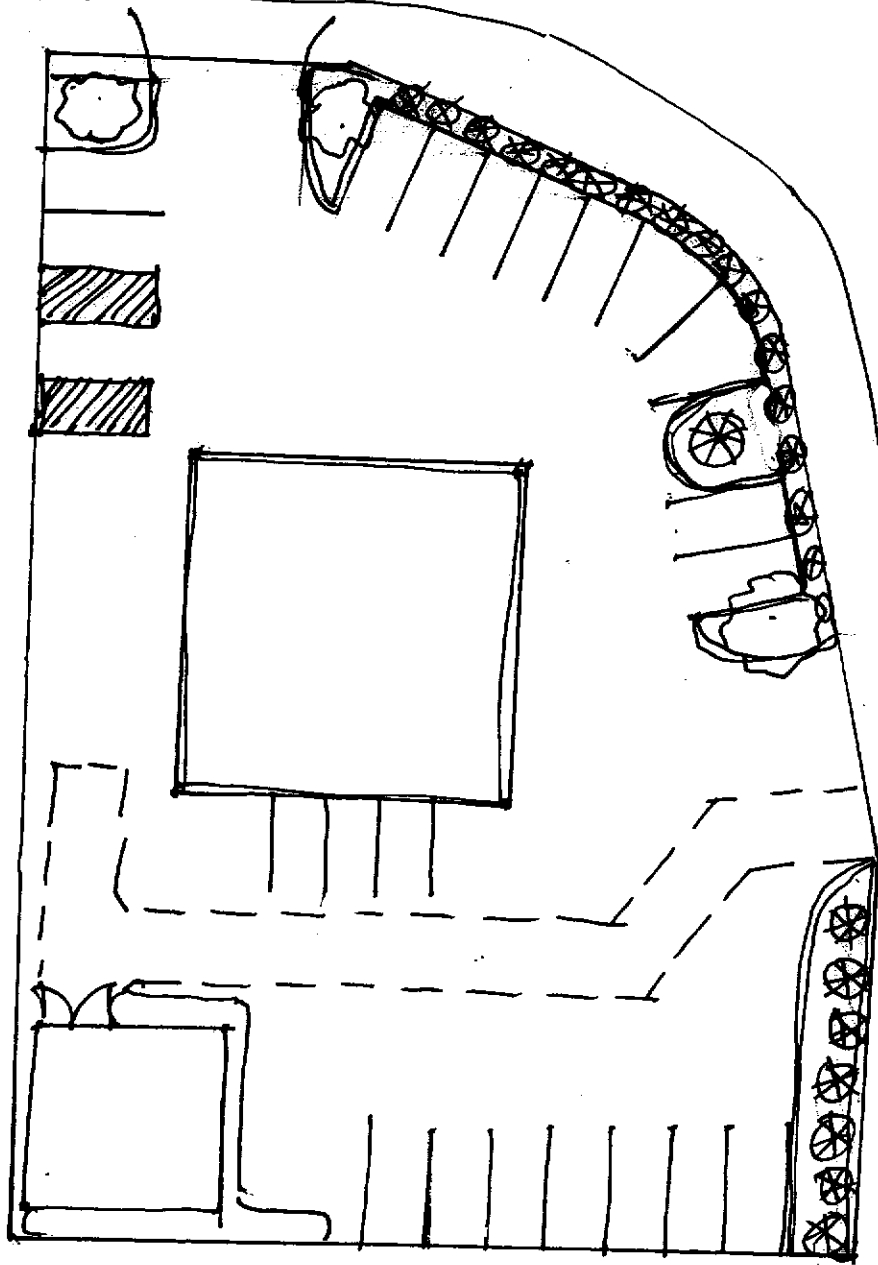
C: Randy Recklaus, Village Manager  
All Department Heads



# CONCEPT LANDSCAPING PLAN

CENTRAL ROAD

APLINGTON HEIGHTS RD.



**DRAFT**

PLAN

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING  
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS  
PLAN COMMISSION

COMMISSION

RE: T-MOBILE WIRELESS ANTENNA TOWER; PC# 15-003

REPORT OF PROCEEDINGS had before the Village of  
Arlington Heights Plan Commission Meeting taken at the  
Arlington Heights Village Hall, 33 South Arlington Heights  
Road, 3rd Floor Board Room, Arlington Heights, Illinois on the  
22nd day of July, 2015, at the hour of 7:30 p.m.

MEMBERS PRESENT:

JOE LORENZINI, Chairman  
LYNN JENSEN  
TERRY ENNES  
BRUCE GREEN  
GEORGE DROST  
JOHN SIGALOS  
JAY CHERWIN

ALSO PRESENT:

LATIKA BHIDE, Development Planner

**DRAFT**

CHAIRMAN LORENZINI: I'd like to call this meeting of the Plan Commission to order. Would you all please rise and recite the pledge of allegiance with us?

(Pledge of allegiance.)

CHAIRMAN LORENZINI: Thank you. Okay, roll call please, Latika.

MS. Bhide: Commissioner Dawson.

(No response.)

MS. Bhide: Commissioner Warskow.

(No response.)

MS. Bhide: Commissioner Cherwin.

COMMISSIONER CHERWIN: Here.

MS. Bhide: Commissioner Drost.

COMMISSIONER DROST: Here.

MS. Bhide: Commissioner Ennes.

COMMISSIONER ENNES: Here.

MS. Bhide: Commissioner Green.

COMMISSIONER GREEN: Here.

MS. Bhide: Commissioner Jensen.

COMMISSIONER JENSEN: Here.

MS. Bhide: Commissioner Sigalos.

COMMISSIONER SIGALOS: Here.

MS. Bhide: Chairman Lorenzini.

CHAIRMAN LORENZINI: Here. Okay, first item on the agenda is approval of the meeting minutes from our last meeting.

COMMISSIONER GREEN: I'll make a motion for approval.

COMMISSIONER DROST: Second.

CHAIRMAN LORENZINI: Okay, all in favor?

(Chorus of ayes.)

CHAIRMAN LORENZINI: Opposed?

(No response.)

CHAIRMAN LORENZINI: Very good, thank you. Okay, next item on the agenda is public hearing PC# 15-003 for T-Mobile at 1000 South Arlington Heights Road. Have all the proper notices been given, Latika?

MS. Bhide: They have.

CHAIRMAN LORENZINI: Thank you. Is the Petitioner here? Would you please stand up and anybody else who's going to testify come forward and we'll swear you all in? Please raise your right hand.

(Witnesses sworn.)

CHAIRMAN LORENZINI: Thank you. Okay, whosoever is going to speak first regarding this presentation, again welcome back,

## DRAFT

please state your name and address and spell your name for the court reporter please.

MR. STAPLETON: Thank you, Mr. Chairman. My name is Bob Stapleton, S-t-a-p-l-e-t-o-n. I live at 1900 West Acre Road, Joliet, Illinois 60435. I am the CEO of National Wireless Ventures and I am here on behalf of the Applicant, APC Towers, who has been contracted by T-Mobile for the purposes of building out the Chicago network on this new phase of wireless communication.

CHAIRMAN LORENZINI: Okay, thank you. Have you read all the conditions in the Staff report, and do you agree with them?

MR. STAPLETON: Yes, I have. Do I have the Staff report here? Okay, all right, just making sure. Yes, my understanding of the Staff report, yes.

CHAIRMAN LORENZINI: Okay, thank you. Would you give us a brief presentation of the project again? You stated very well the importance of cellular communication and its need for the towers in the area. So, could you just briefly explain what you're doing this time?

MR. STAPLETON: Sure thing. There were some questions that were brought up at the last time regarding, you know, have we talked to the hospital and things like that. In doing, in our due diligence and everything, we were at Northwest Community Hospital, and we are immediately to the west of the hospital with a full, what we call a macro site. But we have been at the hospital with equipment for probably two and a half, possibly three years with equipment. Because of the density of the service, this is why we need the additional site. Of course your ordinance likes to have, us to have the ability to co-locate, so the elimination of multiple towers. So, the reason for the 100-foot is so that we can have additional carriers on site.

Since the last meeting, of course there was a lot of concern about the conditions of the property and I don't know if you have seen pictures of what has been done there at the property, but we've supplied Staff. After discussions with the property owner, their staff and everything else there, I think the property, we reduced the tally of the last, or we reduced the car count at the property down to the neighborhood of 20 vehicles and one boat, excuse me. We've basically told our landlord that he has to continue to meet the obligations of the ordinance regarding his operation of the property.

We have also agreed, based on IDOT, on the vegetation, and then we've provided a landscape plan for the site in addition to vegetation along both Central and Arlington Heights Road. The vegetation is going to be minimal in height, you know, depending upon what IDOT finally agrees to because of, like anything else, we are at an intersection and IDOT has some very stringent rules regarding visibility, both north and south and east and west on that site.

There has been discussion concerning how many

## **DRAFT**

carriers on the tower, discussion about stealth tower, those kinds of things. You know, we've discussed with Staff from our understanding regarding the fact that if we go with the stealth tower we do need additional height because, basically to have the multiple levels of the antennas within the tower. So, we are asking for the 100-foot monopole which, is 25 feet above ordinance so we can have at least two carriers at that particular site.

CHAIRMAN LORENZINI: Okay, thank you. Latika, Staff report please.

MS. Bhide: Thank you.

CHAIRMAN LORENZINI: You can have a seat if you'd like.

MS. Bhide: Good evening. The Petitioner is here this evening, they are seeking a special use permit for a wireless tower. Along with the special use, they are also seeking a variation from Chapter 23, Section 203, which restricts the height of a ground antenna to 75 feet. It should be noted that variances from Chapter 23 are within the purview of the Building Code Review Board and this issue has been addressed by the Building Code Review Board. So, the only item within the purview of the Plan Commission tonight is the request for the special use permit.

CHAIRMAN LORENZINI: For 75 feet.

MS. Bhide: Correct. As you can see, the proposed site is located at the southwest corner of Central Road and Arlington Heights Road. It is an approximately half acre site, and T-Mobile is interested, or APC Towers is interested in leasing a 30-foot by 30-foot area at the southwest corner of this property. The antenna they are proposing is a 100-foot tall monopole. The closest residential property is approximately 200 feet from the property in question and the closest residential structure is approximately 249 feet.

The lease area will occupy and thus eliminate four parking spaces at the southwest corner. The Petitioner had originally proposed a 12-foot wide access easement to provide access to the lease area, which would have resulted in additional loss of four spaces. But they have since changed the plans and now are providing a 12-foot wide temporary construction easement so that it doesn't encroach on the parking spaces. You can see that southwest corner zoomed in in detail, and I have a picture of the elevation of the pole. As you can see, it's a 100-foot tall monopole that they are showing.

So, to summarize, after the first hearing, the proposed changes that the Petitioner is making to their application is that they have provided us coverage plats that demonstrate that there is a coverage hole in their service, and they have provided new plats that illustrate the coverage with the addition of the new site. The 12-foot wide access easement to provide access to the lease area has been revised and it is now a 12-foot wide temporary construction



## **DRAFT**

easement and it doesn't encroach into the four parking spaces. So, only four spaces on the site will be eliminated.

They are proposing three-foot tall landscaping along Central Road and Arlington Heights Road, and they will be adding three landscape islands on the site with four-inch caliper trees within those islands.

So, as you can see, this is the existing coverage for T-Mobile, the coverage plat. This is the proposed coverage with the site at 75-foot. So, at the Plat & Subcommittee meeting and the last Plan Commission hearing, there were some questions asked about other locations that were possible for this antenna. These are the coverage plats they have provided to show that there is a coverage hole in their service. There are no other tall buildings in this area where they can locate their towers.

So, just to summarize, the SDC did originally recommend denial as they would prefer a less visible location of the antenna or possibly on a tall building. However, as the proposed tower is a utility, the Petitioner has demonstrated a gap in service which can be filled with a 75-foot tall antenna. They will be providing landscaping and site improvements and a legal review of the FCC regulations. FCC is recommending approval of this project as outlined in the report.

These were shown to the Commission but I do have some simulations that look at the before and after with the tower. This is looking west and then looking north at the site, and then two shots looking south.

CHAIRMAN LORENZINI: Could you go over this a little slower, Latika? Point out the new pole please.

MS. BHIDE: Sorry. So, the new pole on the view looking north is kind of the middle of the picture here. Same thing with the new view looking south at the site. Then this is another view looking at the site where again there are a number of utility poles here, but we can see the pole in the middle there.

CHAIRMAN LORENZINI: Now, is that simulation with a 75-foot or 100-foot pole?

MS. BHIDE: That is with the 100-foot one, yes. So, at the last Plan Commission hearing, the Commission did raise a few concerns. One was setting a precedent by approving the antenna without designating appropriate locations within the Village. The Zoning Ordinance does spell out what the permissible locations are for cell towers and they are permitted as a special use in Districts B-1 through B-5, or PL, M-1, M-2, I and O-T, so basically the town residential districts. Per the Zoning Ordinance, you know, special uses require special consideration as to their proper location in relation to adjacent uses. Therefore, they need to be evaluated on a case-by-case

## **DRAFT**

basis, and the Village cannot designate which parcels would, therefore, be suitable without analyzing all issues.

There was a question raised regarding the restriction in the Village Code regarding the 75-foot for a tower. This is Chapter 23 in the Municipal Code, which sets this restriction. It is a local amendment to the International Building Code, it is not in the unamended IBC. As far as I could research, this restriction has been in place for several years, but I was unable to narrow down the reason why it was limited to 75-foot.

There were concerns with the number of vehicles on the site. As the Petitioner indicated, they have worked with the property owner to remove vehicles from the site. They provided counts taken on July 14th, which included 21 vehicles including employee vehicles. Then the last concern the Plan Commission raised or one of the concerns raised was the lack of an overall landscape plan. The Petitioner has provided a landscape plan, which shows landscaping along Central and Arlington Heights Road, and they are adding islands to the site.

Just to briefly summarize the legal review of the FCC regulations, the FCC has a shot clock that applies to both new antennas and co-locations. For a new antenna, which this one is, the Village has 150 days from the time a complete application is submitted to when the final decision must be rendered. This application, the complete application was submitted on March 24th, and so the Village must issue a final decision by August 22nd, 2015.

There are limitations to the authority of the Village as far as new antennas and co-locations. These include that:

1. The regulation does not unreasonably discriminate among the different providers;
2. The regulation does not prohibit or have the effect of prohibiting the provision of personal wireless services;
3. The municipality cannot regulate placement, construction and modification of personal wireless facilities on the basis of the environmental effects of radio frequencies; and
4. A municipality cannot deny a zoning application solely on the basis that one or more carriers have served a given geographic market.

Additionally, the decision of the Village to deny the request must be in writing and supported by substantial evidence. So, the Plan Commission, if they decide to deny this request, must explain that decision in detail.

To talk a little bit about the parking on the site, the code-required parking on the site is three parking spaces for every service bay, and one for each employee. So, for this site, you would need 16 parking spaces. Based on the revised parking plan that

## DRAFT

they have provided after the addition of all the landscape islands, they will have 25 parking spaces on the site, so that will be a surplus of nine parking spaces. They did provide parking counts as you can see. Earlier in the year, there were up to 41 vehicles on the site. But they have provided parking counts on July 14, which show 21 vehicles parked on the site.

Before I talk about conditions and recommendations, I just would want to talk about the landscaping. A three-foot high screen is required along Central Avenue and Arlington Heights Road to buffer the parking from the street frontage. They have provided a landscape plan that shows that screening. As the Petitioner indicated, some of that landscaping is located within the IDOT right of way, which would require IDOT approval. The Petitioner can install all the required landscaping on the property, it would require the removal of one or two maybe parking spaces, but we had attached a Staff concept showing how it can be accommodated.

Secondly, all ends of all parking rows must include a parking landscaped island, which contains a four-inch caliper shade tree. Right now there are no parking islands on the site, so it's considered a nonconforming site. The Petitioner has provided, like I said, the overall landscape plan, and they are proposing to add three islands with trees. The plan is still deficient two islands but it should be noted that the landscape islands will add green space to the site and they will help delineate the parking --

That being said, the Staff Development Committee does recommend approval of a special use for a 75-foot tall monopole, approval subject to the following conditions:

1. The landscape screening shall be installed completely on private property subject to Village approval.
2. The number of platforms or carriers allowed on the antenna will be limited to two. The installation of additional platforms will require a Special Use Permit amendment.
3. Prior to Board consideration, the Petitioner will provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with the Village and other public and private telecommunication frequencies.
4. Prior to receiving a permit, they will submit any required state or federal approvals and comply with all federal, state, and Village codes, regulations and policies.

CHAIRMAN LORENZINI: Thank you, Latika. Is there a motion to include this in the public record?

COMMISSIONER DROST: I'll make that motion.

COMMISSIONER JENSEN: I'll second it.

CHAIRMAN LORENZINI: All in favor?

(Chorus of ayes.)

## DRAFT

CHAIRMAN LORENZINI: Thank you. Latika, just to kind of summarize, so last meeting, the Planning Department was not recommending the project. Now you are because of the changes?

MS. BHIDE: Yes.

CHAIRMAN LORENZINI: But since the ordinance says 75 feet and the Design Commission said 75 feet, if we were to approve it, it's only for 75 feet. The Board of Trustees would have to approve the 100-foot.

MS. BHIDE: That's correct.

CHAIRMAN LORENZINI: Okay. All right, having said that, why don't we start? Lynn, would you like to start?

COMMISSIONER JENSEN: Sure. Well, first of all, I want to commend the Petitioner and Staff and so forth for using the continuance to reframe this issue as they have, because I see the role that we have here is to advise the Board and make recommendations concerning the sound development of not only residential and non-residential property but also infrastructure. I must say I was kind of concerned last time that we were spending so much time on what I considered a constraint on the development of sound infrastructure that I thought we were not going in the right direction. So, I'm very glad that we took the time and we continued it and so forth.

We can't comment on the, from what I understand, I just want to get clarification again, Mr. Chair, you asked this but I'll ask it a little more bluntly. So, we can approve or disapprove the special use, and the legal finding from the Village Counsel is that if we decide to disapprove this, we have to have very, very good reasons documented in writing and really we do not have too much latitude with it.

MS. BHIDE: That's correct. You'd have to, in writing, state the reasons for denial.

COMMISSIONER JENSEN: As I also understand, we really don't have much in terms of our own deliberations to say about the 75 feet?

MS. BHIDE: That's correct. So, the variation is from Chapter 23, which is not the purview of the Plan Commission. That is the purview of the Building Code Review Board, which has reviewed that variation request and made a recommendation for denial. So, we cannot have two conflicting recommendations from the Village going to the Village Board. So, the Plan Commission can deliberate on the special use request, the Building Code Review Board has already deliberated on the height, and both recommendations will be forwarded to the Village Board.

COMMISSIONER JENSEN: I have been very supportive of this project from the beginning even with the original request. So, I don't really have too much to add to this. I would have a question. I

## DRAFT

assume I can at least append a comment when we get through voting that might go to the issue of the 75-foot because I found the handling of it very unsatisfactory when I read the minutes of the other commission quite frankly. But I don't have any further questions.

CHAIRMAN LORENZINI: Thank you, Lynn. Terry?

COMMISSIONER ENNES: Is this the landscape plan that we have?

MS. BHIDE: That's the concept that was proposed by Staff.

COMMISSIONER ENNES: So, we don't have any detailed description of the type of, normally we get detail on the type of shrubbery.

MS. BHIDE: It is on the site plan that shows the use on the three-foot along Arlington and Central Road, and then crabapple trees to be installed within the islands. But the one that you have was drawn by Staff just to see how landscaping can be accommodated on site.

COMMISSIONER ENNES: So, Petitioner hasn't presented a plan?

MS. BHIDE: They have presented a plan just not this one.

COMMISSIONER ENNES: Okay. That's all I have.

CHAIRMAN LORENZINI: Okay. Thanks, Terry. Bruce?

COMMISSIONER GREEN: Where are the two islands that were missing?

MS. BHIDE: So, if you look at the west most row of parking, there is no island at that south end of the west most row.

COMMISSIONER GREEN: Up against the yard that goes around the tower?

MS. BHIDE: Yes, at the very top there. Then on the southernmost row, there is no island on the west most side because it butts up to the lease area.

COMMISSIONER GREEN: Okay, over here. In the future, I would just make a request for a little bit larger plan.

Okay. Another question is, and Latika, maybe you can answer this. When we say that the Petitioner has been working with the owner to remove these cars, how are we going to make sure that these 42 vehicles don't come back? How do we do that?

MS. BHIDE: That's going to have to be a code enforcement issue.

COMMISSIONER GREEN: Okay, and we have very lax code enforcement people, whoever they are, in the Village because we see a lot of variations like this that just creep right back in and they go on their merry way in the same department.

MS. BHIDE: I think they are submitting a plan that



**DRAFT**

provides for 25 vehicles. If there were more, it would have to be taken up, as anywhere else in the Village, via code enforcement.

COMMISSIONER GREEN: Is there, if they have more vehicles, can they be fined? What is the punishment? What is the inducement to get them to get rid of the extra cars if there's only 25 spots?

MS. Bhide: Right. You know, I think they're given some time to correct the situation first before they are fined. But I think --

COMMISSIONER GREEN: But is there a fine involved with this eventually?

MS. Bhide: I believe there is, but I am not a 100 percent sure on that.

COMMISSIONER GREEN: I'm just, for my own education. Okay, I have no other questions.

CHAIRMAN LORENZINI: Thank you, Bruce. George?

COMMISSIONER DROST: Yes. Bruce, it's like getting ready for a marriage, you know. Before you actually got married you're losing a lot of weight and you're looking the best you can.

COMMISSIONER GREEN: What are you saying to me, George?

COMMISSIONER DROST: So, it could let go. So, I think the Petitioner is trying to look as good as he can or she can before they go to the Trustees.

On those vehicles though, it's like, I saw boats there. Are boats vehicles?

MS. Bhide: They are vehicles, yes.

COMMISSIONER DROST: Okay, I mean are they trailered and they come with the car count? Because you know, there are some clever lawyers, well, there's only 42 cars but 20 boats.

MS. Bhide: I think they would, I mean they would all count as vehicles.

COMMISSIONER DROST: So, if they happen to be trailered, then that's a vehicle.

MS. Bhide: Yes, they would still be vehicles.

COMMISSIONER DROST: That's where it gets to be a little bit of a hodgepodge arrangement.

On the monopole, in the recommendations, it says in number two, the number of platform, does that mean carriers?

MS. Bhide: That's correct.

COMMISSIONER DROST: So, the 'carries' was a new word for them?

MS. Bhide: Sorry, I think I misspelled the word there.

COMMISSIONER DROST: It was carriers.

MS. Bhide: It's antenna/carriers.

COMMISSIONER DROST: Carriers, okay. The carrier is

**DRAFT**

going to be exclusively T-Mobile? Is that --

MR. STAPLETON: T-Mobile will be, do I need to --

COMMISSIONER DROST: Yes, why don't you, because you're going to be recorded.

MR. STAPLETON: Sure thing, I'm sorry. Okay, T-Mobile is the initial carrier that is part of this application. The tower would then be in accordance with your ordinance from the standpoint of being built for a second carrier to come on board. We're going to design the foundation, you know, four or three, but we're going to, you know, right now we're planning for two carriers.

COMMISSIONER DROST: So, it would be designed for three to four carriers?

MR. STAPLETON: From a foundation standpoint so that the, just as Staff or Latika said, if somebody wants to come in beyond the two carriers, they're going to have to come before you and request an additional special use for the additional carriers.

COMMISSIONER DROST: Yes. Is your business, you're basically the monopole owner and you are being asked by T-Mobile here to get the approval from the Village?

MR. STAPLETON: That is correct. T-Mobile will become our tenant, we become the landlord. As such, T-Mobile becomes a subtenant to our landlord, so we are responsible for the operation of that compound. In accordance with our agreement, our lease agreement with the property owner, he has to stay in compliance with the ordinance.

COMMISSIONER DROST: Yes, but I'm just kind of getting into the franchise level with T-Mobile and then, you know, there's other carriers, there's still other carriers.

MR. STAPLETON: Correct. Right, right.

COMMISSIONER DROST: Verizon for instance.

MR. STAPLETON: Verizon is here tonight on another issue. AT&T is there.

COMMISSIONER DROST: Just using that as a --

MR. STAPLETON: Right, and at the same time we're looking at what's coming down the pike with the fact of FirstNet which the federal government is putting a great deal of time and money into.

COMMISSIONER DROST: Well, that's the other point I'm getting at is the other usage because there is a security element in these communication towers. When you say two carriers, you start to partner with the federal government, and the federal government has black boxes or whatever in these towers also for future use or for security purposes. So, when we say two carriers, we're saying two carriers plus.

MR. STAPLETON: No, we're saying, I think what your ordinance, what you're asking us to do for right now is two carriers.

## DRAFT

If there is a need for, as what Staff has asked for is if there is a need to go beyond the two carriers, then that third carrier is going to have to come, you know, come back in here. I don't know where the federal government is going to go but what I'm saying about that is right now the industry has sort of condensed again. We're down to AT&T, Verizon and T-Mobile and Sprint from the standpoint of being the four principal wireless carriers.

There's other elements that are coming out there, but no real serious plans have been really put on the table with what's coming next. As I said I think in the previous hearing, based on the last spectrum auction, \$7 billion has been put aside to the FirstNet project. So, that's coming somewhere along the line. I anticipate, you know, if there is a need for FirstNet to come on board, we're going to have to come back in here if they're the third carrier for that.

COMMISSIONER DROST: So, they would be a carrier, they would be classified and termed as a carrier.

MR. STAPLETON: Right, because --

COMMISSIONER DROST: There's roll outs and, you know, consolidations in your business, in the business you could be T-Mobile this year but then, and because T-Mobile was going to be bought by somebody I thought.

MR. STAPLETON: Well, T-Mobile was going to be purchased by AT&T, and the Federal Trade Commission and Justice Department basically said that wasn't going to happen because it was going to basically consolidate the industry from the standpoint of a competitive basis. So, presently, there is a great deal of talk of T-Mobile and Sprint merging and things like that. But there's a lot of, you know, in our industry there's all kinds of things. I mean we're looking at Google, we're looking at Dish, we're looking at all kinds of other people who are buying spectrum, buying airwaves.

So, those all could become, somebody in that bunch could become carrier number two, and then somebody in that bunch could be carrier number three which would in turn could make them come before here and ask for the additional special use.

COMMISSIONER DROST: When I was a child, we got the basic TV station. Now, you know, we have just a proliferation, now we're looking at Netflix coming in with their own station to compete with the existing four, I guess. But that's sort of the interesting thing. I just wanted to get that definition of carrier, the ability to switch in and switch out of the original plan. So, you know, be careful of what we, the arrangement we have.

In these agreements that you have with T-Mobile, does T-Mobile have the ability to veto any carrier?

MR. STAPLETON: No, they don't have the right to veto unless it's interfering with their spectrum. If there is an

## DRAFT

interference situation, then of course there is a --

COMMISSIONER DROST: If they're on the same pole.

MR. STAPLETON: Yes, of course there is that. It's just like me working, you know, having a home here in town and putting up an antenna and all of a sudden I'm interfering with your, you know, fire and police radio or something like that. You know, that's something that has to be contended to deal with. But they can't, for instance on their platform where their antennas are, they can't go and just sublet space on their platform.

COMMISSIONER DROST: I just wanted to get a better understanding, you know, that what we're considering tonight is sort of final and not any other stealth, you know, aspects to it where you would approve this and all of a sudden it opens up a floodgate.

MR. STAPLETON: Because you have that ability as a special use or a conditional use in the ordinance, you can put those conditions in that final approval to make it --

COMMISSIONER DROST: I don't think we can but it's the two carriers, that we define the carriers, I'm not an expert so I'm not going to try to design something I don't know anything about or have no knowledge about. Okay, I'm done.

COMMISSIONER GREEN: If I could just jump in, I have a question on George's comment there. I think in the last meeting, you stated that you needed 75 feet for T-Mobile, and if you were to have another carrier on there you need additional height. So, my question to you is if you're limited to 75 feet, what's going to happen with carrier number two?

MR. STAPLETON: He's going to have, if we can't get that additional height, he's going to have to come in below us. Two things sort of happen in that roll out. If he comes in below us, he's just, you know, he's going to be at treetop level or if not right at, you know, right above treetop level or right at treetop level. So, therefore, his situation, which they're going to have to look at is how far out they can broadcast and receive. So, that's part of the situation.

So, as I said I think in the previous meeting, we would like to be above because we might get out of that interference. Then at the same time, we'd like to have that separation between antennas. We like to have, you know, somewhere in the area of eight to ten feet between the bottom of our antenna and the top of the next guy's antenna.

COMMISSIONER GREEN: Okay. I guess what I'm asking here is if this second carrier is not going to work, then why are we approving two carriers? Maybe you can answer that, Latika.

MS. BHIDE: Sure. I mean there are other antennas that are on the rooftops, which are at 56 feet, 58 feet, you know. So,

**DRAFT**

possibly a second antenna should work. A third one might not if it's too low.

MR. STAPLETON: Right.

COMMISSIONER GREEN: Okay. So, I guess where I'm going with this is if we are approving two and one only will work, is it pushing us into more height being added to the pole in the future?

CHAIRMAN LORENZINI: Well, Bruce, I don't know if it's --

COMMISSIONER GREEN: If we can talk about that.

CHAIRMAN LORENZINI: Well, no, but I don't know if it's ineffective and it won't work or just it won't be as effective.

COMMISSIONER JENSEN: If I could?

MR. STAPLETON: That's correct, yes. That's the big issue.

COMMISSIONER GREEN: That's fine. I just want to understand it.

COMMISSIONER JENSEN: The Petitioner is going forward to the Board still requesting a 100-foot pole.

MS. BHIDE: That's correct.

COMMISSIONER JENSEN: So, basically, we are saying we'll either approve the special use or not. As I said, I had some concerns about the 75 feet if it's inadequate. But that has to be dealt with separately, but I think he is going to take it to the Board and see if he can get them to give him the variance.

COMMISSIONER GREEN: Right. I'm just trying to understand the ploy behind it all just so I can understand it myself. Is it if it doesn't work below 75, then that's an excuse to go for more? So, that's just my comment on it, that is all, and I wanted to just understand that. That's all.

CHAIRMAN LORENZINI: Okay, let's go on to John.

COMMISSIONER SIGALOS: Yes, I guess I would like to just clarify because my question is really what Bruce Green just brought up. Your T-Mobile antenna will work on a 75-foot pole?

MR. STAPLETON: Yes, our RF.

COMMISSIONER SIGALOS: Where do you mount it? Say a 75-foot pole, will you be at the very top of this pole or you'd be, let's say at 65 feet?

MR. STAPLETON: Tippy top, tippy top. The top of the antenna.

COMMISSIONER SIGALOS: The very top?

MR. STAPLETON: The very top will be at 75 feet.

COMMISSIONER SIGALOS: Okay, so that's where your T-Mobile antennas would be.

MR. STAPLETON: Right, right.

COMMISSIONER SIGALOS: Then if you have a second

## DRAFT

carrier on there, you would want an eight to ten feet difference. So, that means the second carrier would be maybe at 65 feet?

MR. STAPLETON: Correct.

COMMISSIONER SIGALOS: To provide coverage, it should provide adequate coverage because I, in preparing for the Verizon variance that's coming up in the next case, they're wanting their antenna at 59 feet. So, if it works for them, I'm assuming it would work for whoever else is going to go on the 75-foot pole.

MR. STAPLETON: It all, location, it's all based on what, if you want to call it clutter, is there in relationship to where the other equipment is at, its relationship to what we're trying to convey.

I mean for instance, let's just say your ordinance allowed 200-foot, okay. Based on what we have out there in the neighborhood and everything else, we don't need 200-foot because what happens at 200 feet, we're blasting over existing coverage. So, what we try to do is basically tailor the installation to meet the coverage that we're trying to obtain, and at the same time also without the necessity of us maybe two years down the line or three years down the line coming and saying, well, yes, we've got this okay coverage but we need to add something else because we're not going out the distance where we're at.

I mean what we're asking for tonight is to get the conditional use approved. We are going to petition the Board to go to 100 feet so that in turn what happens is we push our antennas up to the top at 100 feet, and then we have the ability to co-locate for the next guy below, and at the same time most likely for him to meet his coverage need.

COMMISSIONER SIGALOS: But again the simple question was 75 feet will provide the coverage you require and allow a second carrier to be down below you at 65 feet and provide a sufficient coverage?

MR. STAPLETON: It provides sufficient coverage, yes.

COMMISSIONER SIGALOS: Okay, that's all because, that's all. That's all I have, thank you.

CHAIRMAN LORENZINI: All right, John. Jay?

COMMISSIONER CHERWIN: Yes. You know, obviously I was concerned about this the first time around. I agree with Lynn, you know, to the extent that infrastructure is important and we need it. The concern we had last time was obviously if we take a pure utilitarian approach, that would be a much easier job. Unfortunately, we have to balance other things that are going on, whether it's aesthetics or planning or sort of case-by-case basis that goes along with the reason these aren't permitted but are special use. So, again my concern is still there. This will look terrible on this corner, out



## DRAFT

of place, you know that.

I guess I'd ask Latika if, I had seen, you know, whether it's Comp Plan, I don't, the Planning Department was sending a survey about overhead poles in this area, eliminating or trying to restructure the sort of entranceway into the Village on Arlington Heights Road. Is that still the case? I mean are we looking at somehow upgrading or enhancing the aesthetics of that area?

MS. BHITE: I don't know.

COMMISSIONER DROST: I can address that. It is on the Comprehensive Plan.

COMMISSIONER CHERWIN: There it is.

COMMISSIONER DROST: Yes, indeed that is one of the strategies, to take some of these overhead poles and put them down below.

COMMISSIONER CHERWIN: Why is that, George?

COMMISSIONER DROST: Because they're an eyesore. There's other aspects to it, too. I think it's easier to service in ground or on ground. There's less chance for all of the safety issues which you don't want. But it's primarily aesthetics, you know, you're careful to point out the fact that the monopole was shown in this cluster of overhead lines which --

COMMISSIONER CHERWIN: That would no longer be there at some point.

COMMISSIONER DROST: You know, it makes the big boy antenna not so bad because the other guy is pretty ugly, too.

COMMISSIONER CHERWIN: Yes, but all of them are in the way so that it looks like it's just one them.

COMMISSIONER DROST: Yes, right.

COMMISSIONER CHERWIN: But my concern is that the Village is trying to undertake some action to make changes in that area.

COMMISSIONER DROST: Well, it's not official, but in committee we have been talking about that as being one way to improve the aesthetics of the community. We've tried to identify certain areas within the community to look a little bit more tip-top.

COMMISSIONER CHERWIN: It would seem to me that, so that's the kind of planning that, you know, when we have to balance the utilitarian aspect of putting in infrastructure, the hard part of our job is balancing longer term decisions like that.

COMMISSIONER DROST: Right, but we're not, the committee report is not legislation nor would --

COMMISSIONER CHERWIN: I understand.

COMMISSIONER DROST: So, we have to deal with what is on the books rather than what is being proposed. But a sense of what our Plan Commission and our subcommittee is doing in essence is to try

## DRAFT

to make the Village a little more inviting, especially in what we call sort of gateway locations.

COMMISSIONER CHERWIN: Right. So, that continues to be my concern. I've mentioned before I don't think, you know, when we talk about, I don't think there's any realistic chance of looking at a map of the Village and saying this is where we want our poles to be. That's not what I would have in mind. But it would seem to be that regardless of the outcome in this case, we need to think ahead towards, you know, this type of infrastructure and have some sort of long-term plan.

I said that last time, I'll say it again because I think maybe random decisions, or not random decisions but decisions that are not necessarily tied to any sort of plan for weighing the benefits of improved infrastructure versus the nature of the neighborhood, the aesthetic issues, I think it would serve us well to have some strategy around that rather than --

COMMISSIONER DROST: Great comment from --

COMMISSIONER CHERWIN: I will hold comments until after the public comment.

CHAIRMAN LORENZINI: Thank you, Jay. Latika, just a couple of minor questions. On the recommendations, it says the landscape screening, Mr. Stapleton, could you please stay up here?

MR. STAPLETON: Oh, sure.

CHAIRMAN LORENZINI: This would involve you, too. It says the landscaping screening shall be installed completely on private property subject to Village approval. But then you mentioned something about if IDOT allows that on their property. Where is the landscaping going, on IDOT's?

MS. BHIDE: So, the plan that the Petitioner has presented shows landscaping that is partially on IDOT right of way. The concept landscape plan that we provided to the Commission demonstrates that it can all be accommodated on private property. It may cause, you know, a parking space or two to be lost, but there is the excess.

One of the reasons we're recommending that was, you know, not having to go through or being subject to IDOT approval, but also to push the landscaping back on the property to help the facade space.

CHAIRMAN LORENZINI: Okay. Going back on the Staff Development Committee report, on page one, under the Surrounding Properties, on the North B-2, you still show the Shell station. That's really Japan Auto.

MS. BHIDE: Oh, sorry.

CHAIRMAN LORENZINI: That's all. Okay, now we're going to move on to the --

**DRAFT**

COMMISSIONER JENSEN: Mr. Chair, could I just get a clarification?

CHAIRMAN LORENZINI: Sure.

COMMISSIONER JENSEN: If I, I'd like to ask Mr. Stapleton, when you gave testimony to the other commission, you indicated with the 75-foot pole you would only get about 50 percent of the full service coverage that you would like. Is that correct?

MR. STAPLETON: That's about, you know, correct. I mean it serves the need, but at the same time doesn't serve the ultimate, you know, plan. I mean it's like anything else. It's like a radio station, you know, an AM station working day or, you know, how it perceives during the day and what an AM station is perceived at night. You know, WGN goes so far during the day, you turn the lights off, WGN goes farther out. This is the same kind of situation. At 75 feet, we're this; at 100, we're this.

So, yes, the height has a lot to do with what we're asking for and that's why, you know, we want to go back to the Board and ask for the 100 feet so we can meet, if you want to call it the desired coverage we'd like to have versus, you know, at 75 feet what we can get.

COMMISSIONER JENSEN: Okay, and I noticed on one of the exhibits we have, Latika, I guess this is actually the Petitioner, we do show, of the 18 monopoles or towers or whatever, five of those are significantly even above 100 feet. Some of them are not, not all are within Arlington Heights but some are.

MS. BHIDE: Right, yes.

COMMISSIONER JENSEN: So, were those grandfathered in? I mean how did they get to be higher than the 100 feet that the other commission as well as we are worried about?

MS. BHIDE: Some of these did get variations. The others might have predated the ordinance but some of these did get variations.

COMMISSIONER JENSEN: Okay.

COMMISSIONER GREEN: Maybe I can help you, Lynn. One of those variations was for a tower that was up with Commonwealth Edison, and very, very tall towers were present in the same location. So, they were replacing one of those. So, if they were 125 feet, you had to go back to 125 feet and carry the lines, and therefore that was the height of the tower.

COMMISSIONER JENSEN: Okay, that helps. Thank you.

CHAIRMAN LORENZINI: All right. Is there anything else before we go to the public? All right, let's go to the public portion. Anybody in the audience have any comments or questions? Anybody?

Okay, if not, we'll close that and go back to the Commissioners for final questions and deliberation. Any questions from

## DRAFT

anybody? Any recommendations?

COMMISSIONER DROST: Yes, I'll make a motion.

A motion to recommend to the Village Board of Trustees approval of PC #15-003, a Special Use Permit for a wireless antenna tower.

This approval is contingent upon compliance with the recommendation of the Plan Commission and the following recommendations detailed in the Staff Development Committee report dated July 16, 2015:

### Recommendation

The Staff Development Committee has reviewed the Petitioner's request and recommends approval of a special use for a 75-foot tall monopole antenna, subject to the following conditions:

1. The landscape screening shall be installed completely on private property, subject to Village approval.
2. The number of platforms/carriers allowed on the antenna will be limited to two. The installation of additional platforms will require a Special Use Permit amendment.
3. Prior to Village Board consideration, provide a letter from the Northwest Central Dispatch indicating that the proposed frequencies are compatible with the Village and other public and private telecommunication frequencies.
4. Prior to receiving a permit, submit any required state or federal approvals.
5. The Petitioner shall comply with all federal, state, and Village codes, regulations and policies.

CHAIRMAN LORENZINI: Do we have a second?

COMMISSIONER SIGALOS: Second.

CHAIRMAN LORENZINI: Okay. Roll call vote please.

MS. BHIDE: Commissioner Cherwin.

COMMISSIONER CHERWIN: Yes, with comment.

MS. BHIDE: Commissioner Drost.

COMMISSIONER DROST: Aye.

MS. BHIDE: Commissioner Ennes.

COMMISSIONER ENNES: Yes.

MS. BHIDE: Commissioner Green.

COMMISSIONER GREEN: Yes, with comment.

MS. BHIDE: Commissioner Jensen.

COMMISSIONER JENSEN: Yes, with comment.

MS. BHIDE: Commissioner Sigalos.

COMMISSIONER SIGALOS: No, with comment.

## DRAFT

MS. BHIDE: Chairman Lorenzini.

CHAIRMAN LORENZINI: Yes. Okay, comments? Jay, do you want to start?

COMMISSIONER CHERWIN: Yes, my first comment is this is going to look awful and we'll probably regret it. I'll regret it at least. But I think we really owe it to ourselves and the citizens to take a comprehensive look on how we're going to address issues like this because I just don't think this is a good way to go about looking at these issues.

CHAIRMAN LORENZINI: John?

COMMISSIONER SIGALOS: I voted no only because it appears that your requirement for 100-foot is to get more co-locators on this tower which would be to your financial benefit. 75-foot would work, give you the coverage you need, and falls within our code. So, to say that you need the extra 25 feet for your own economic gains, I couldn't agree with that. That was my comment.

CHAIRMAN LORENZINI: Bruce, you had a comment?

COMMISSIONER GREEN: My only comment is I agree with the Review Board that says it should be 75 feet.

COMMISSIONER JENSEN: Yes, I actually agree with Jay. I think that we need to stop doing this piecemeal and we actually need to build our limitations and restrictions on something rational. When you read what happened at the other commission, the rationale was that 75 feet is the limitation, we don't know why, we know it's been there a long time, and therefore we're going to go with it.

I think the Village needs to at least take a look at norms and what other villages are doing. They need to look at standards and they need to develop a more comprehensive approach to this thing.

I don't feel totally comfortable limiting them to 75 feet because I don't know what kind of communications infrastructure this Village is going to need in five years or 10 or 15 because it evolves very rapidly. What we've done by limiting it to 75, maybe we'd have to actually approve several more towers. So, that doesn't appeal to me to have a whole forest of towers because we don't want to have one that may not look that attractive.

So, I think it behooves the Staff as well as the Board to try to see what we could do to actually get a better understanding and have a rationale that underpins the limitations on the height of these poles. So, I am agreeing with Jay although he may not like the twist that I've put on his comment.

CHAIRMAN LORENZINI: Okay, I think that wraps it up. Is there a date to go to the Board?

MS. BHIDE: I don't have a date. I need some information from them beforehand, so I'll work with them on a date.

## **DRAFT**

For the public, it's updated the Friday before the meeting on the website.

CHAIRMAN LORENZINI: Okay. Well, Mr. Stapleton, I think you received a tepid approval from the board and I guess congratulations.

MR. STAPLETON: Thank you very much. I appreciate all the time you fellows have put into this issue. At the same time, as past president of the Illinois State Wireless Association and being involved in this business for a long time, I would certainly be pleased or, you know, if you have questions or your Staff has questions regarding a comprehensive plan, I would volunteer my time to your efforts because at the same time I understand the battle you folks have to deal with from the standpoint of what you want to see. At the same time, I think I can talk to you about where this industry is going and where the wire line industry is coming down to.

COMMISSIONER DROST: Yes, and that's a great idea. If you want to leave your contact info. We've got some of your info, but you know your past background is very amenable to this process, that would be very helpful.

MR. STAPLETON: Once again, thank you very much and thanks for all your time you've put in here.

CHAIRMAN LORENZINI: Thank you.

(Whereupon, the meeting on the above-mentioned petition was adjourned at 8:19 p.m.)



## **STAFF DEVELOPMENT COMMITTEE REPORT**

**To:** Plan Commission  
**Prepared By:** Latika Bhide, Development Planner  
**Meeting Date:** May 13, 2015  
**Date Prepared:** May 7, 2015  
**Project Title:** T-Mobile  
**Address:** 1000 S. Arlington Heights Road

### **BACKGROUND INFORMATION**

**Petitioner:** Peter Aimaro, National Wireless Ventures, LLC. (Agent for T-Mobile)  
**Address:** 828 Grand Boulevard  
 Joliet, IL 60436

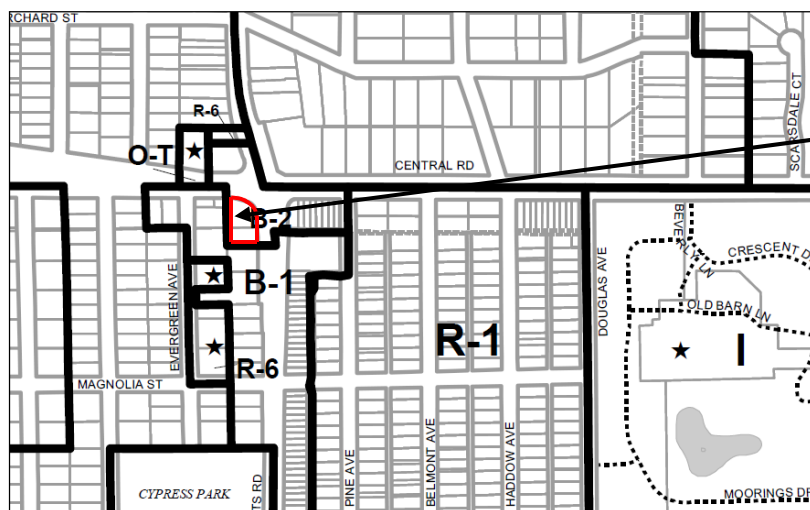
**Existing Zoning:** B-2, General Business District

### **Requested Action:**

- A Special Use Permit for a Wireless Antenna Tower

### **Variations Identified:**

- Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole.



### **Surrounding Properties**

| Direction | Zoning | Existing Land-Use          | Comprehensive Plan |
|-----------|--------|----------------------------|--------------------|
| North     | B-2    | Shell                      | Commercial         |
| South     | B-1    | Armand's Beauty Salon      | Offices Only       |
| East      | B-2    | Goodyear Tires, KinderCare | Commercial         |
| West      | B-1    | Central Podiatry           | Offices Only       |

### **Background**

The subject property at 1000 S. Arlington Heights Road is approximately 0.52 acres in area. Autotech Auto Repair is located on the subject property. The applicant, T-Mobile is interested in leasing a 30' x 30' area at the southwest corner of the property and locating a wireless antenna. The antenna is proposed as a monopole design, 100 feet to the top of the tower. The antenna will be located approximately 113 feet from Arlington Heights Road and 168 feet from Central Road. The closest residential property is located approximately 200 feet from the property in question and the closest residential structure is located

approximately 249 feet from the antenna on the west side of Evergreen Avenue. The lease area will occupy and thus eliminate existing parking spaces in the southwest corner of the site. In addition, a 12-foot wide access easement is proposed to provide access to the lease area, resulting in an additional loss of 4 parking spaces.

Radio and Telephone Antenna are required to obtain a Special Use Permit in the B-2, General Business District.

### **Zoning and Comprehensive Plan**

The site is zoned B-2 General Business District. Because the use is permitted as a Special Use in the B-2 district, therefore the petitioner has submitted a response (see attached) to the following special use criteria:

- **That said special use is deemed necessary for the public convenience at this location.**
- **That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.**
- **That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.**

Additionally, per Chapter 28, Section 6.14-2.2, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:

- **The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.**  
*The Plat and Subdivision Committee recommended that the petitioner consider a site further east, possibly within The Moorings, or west at the Northwest Community Hospital. The applicant has indicated that T-Mobile already has better coverage at that location and the inter-site distance with respect to the neighboring sites would be uneven and therefore requiring the site to have non-standard azimuths which might lead to interface between the own sectors. Also, by locating further east, the northwest of the search ring center would not be covered. Therefore, the petitioner prefers to locate a tower at 1000 S. Arlington Heights Rd.*
- **A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge.**  
*The lease area will be enclosed by a 5 foot tall wooden fence. The petitioner has submitted a landscape plan that delineates three to five feet tall mission arborvitae on the outside of the fence area. The arborvitae must be 5-feet at planting.*

The Village's Comprehensive Plan designates this property as 'Commercial'.

The Comprehensive Plan establishes the overall strategy to guide the growth and development of the community. Within the Village's Comprehensive Plan, the proposed antenna does not meet the following goals:

#### **General Planning Goals:**

2. To preserve and enhance the natural and existing environment.

#### **Land Use Goals:**

1. To ensure that the general land use pattern and relationships of all land uses remain or become acceptable to the present and future community.
4. Incompatible zoning should be avoided.

A 100-foot tall monopole would be incompatible with the residential uses to the west. Furthermore, the installation of the monopole will result in the loss of eight parking spaces on the site. The Staff Development Committee does not support locating the antenna at this location because of the negative visual impact of the 100 foot tall monopole, as it is in close proximity to residential uses and the loss of the parking spaces on a site that has more vehicles than parking spaces. The Village encourages cell phone providers to co-locate on existing buildings and/or other compatible structures in order to minimize the number of towers within the community.

### **Plat and Subdivision Committee**

On January 14, 2015, the Plat and Sub Committee met to discuss the project. While the subcommittee understood the need for a cell tower, they felt that this was not the most appropriate location. The Committee directed the applicant to explore other sites in the area such as The Moorings and the Northwest Community Hospital.

### **Building Code Review Board**

Chapter 23, Section 203 of the Municipal Code establishes a maximum height of 75 feet for antenna towers. The Building Code Review Board (BCRB) makes recommendation to the Village Board on matters relating to waivers and amendments to Chapter 23 of the Municipal Code. Along with a Special Use for the wireless antenna tower, the petitioner is also requesting the following variation:

- Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole.

On April 30, 2015, The Building Code Review Board (BCRB) met to discuss the variation. The Board asked various questions involving possible locations, variables of antenna/towers; signal strength and etc.

At the meeting, the petitioner indicated that the antennas could be flush mounted, but they do not prefer to do it as it reduces the number of antennas that can be mounted on a tower and the cost is higher. The petitioner stated at the BCRB meeting that tower would most likely, at its fullest, have three antennas (three platforms for three carriers). A stealth application with flush mounted antenna rather than the proposal presented, with antennas mounted on a platform on the outside of the tower would be less intrusive at this location. If a stealth application is proposed for this site, prior to Village Board consideration, the petitioner will provide the required drawings.

The Board determined that the petitioner did not prove a hardship that needed relief to allow a 100 foot monopole. The additional height up to 100-feet would allow the applicant to lease space on the tower to other carriers. The BCRB unanimously recommended denial of the variation.

### **Building, Site and Landscape Related Issues**

The proposed monopole will be located at the southwest corner of the property, visible from both Arlington Heights Road and Central Avenue. The petitioner is proposing a wood fence enclosing the area where the base station and the monopole will be located, resulting in a loss of 4 parking spaces. The petitioner had originally proposed a 6 foot high fence; however that is not permitted by the Zoning Code and would require a variation. The petitioner has indicated that they will alter the plans to provide a 5 foot tall fence.

The Per Chapter 28, Section 6.14-2.2, a landscaping plan is required to be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork or stonework, solid wood fence, densely planted compact hedge or berm and hedge. The petitioner is proposing to install arborvitae along the outside of the fence area. The arborvitae must be 5 feet at planting.

Per Chapter 28, Section 6.15-1.2, a 3 foot high drought/salt tolerant screen is required along Central Avenue and Arlington Heights Road in order to buffer the parking lot along the street frontage. Due to the site configuration, IDOT approval may be required for landscaping located in the IDOT right-of-way. The petitioner has stated that if approved, they will work with the Village, secure required IDOT permits as needed and install landscaping as directed by the Village. The Village has not received written confirmation from the property owner regarding the addition of the landscape screen.

Also, Per Chapter 28, Section 6.16-1.2, the ends of all parking rows must include a landscape island, which contains a 4" caliper shade tree. There are no parking islands on the site and it is considered non-conforming. No overall landscape plan for the site was provided for the site as the petitioner had originally indicated that it was outside of their lease area and did not pertain to their application related to a cell tower. The petitioner has since indicated that they will provide any landscaping that the Village deems necessary. According to the parking plan provided by the petitioner it is possible to add landscape islands at certain locations on the site without losing parking spaces. The addition of the landscape islands will add green space to the site and help to delineate parking areas and the drive aisles. Prior to Village Board, the petitioner shall work with staff to

provide a landscape plan for the site that delineates landscape islands which contain 4 inch caliper shade trees at the ends of parking rows.

### **Traffic & Parking Related Issues**

According to the parking plan provided, there are 29 spaces on site. Automobile Service Stations are required to provide one space for each employee plus three spaces for each service bay. Autotech Auto Repair has four service bays, requiring twelve parking spaces and four employees, thereby requiring a total of sixteen parking spaces.

Per Chapter 28, Section 6.12-1, any special use less than 5,000 square feet in floor area and located along a major or secondary arterial street (Arlington Heights Road and Central Road) as defined by the Village's Thoroughfare Plan, does not need to provide a traffic study, but shall be required to provide a detailed parking analysis. The applicant was required to provide parking counts for this site. According to the information provided by the petitioner, parking counts conducted on Thursday, Friday and Saturday indicated that there were 35, 40 and 41 vehicles on the site, more than the available parking on site. When staff visited the site on April 8, 2015, there were 42 cars, 1 trailer and 2 truck cabs in the parking lot. Several vehicles were tandem parked – 2 cars in depth.

The applicant has indicated that 4 parking spaces will be removed to locate the antenna and the base station, reducing the total parking spaces on-site to 25, which is more than the Code required parking spaces. However, as indicated by the parking counts and observed by staff, the number of vehicles on site exceeds the Code parking requirement. Also, staff observed that there were four vehicles parked along the south side of the building, that are not indicated on the parking plan that will be lost to accommodate the access easement. A total loss of 8 parking spaces (4 spaces indicated as striped on the plan and 4 spaces on the south side of the building) will further negatively affect the site.

### **Recommendation**

The Staff Development Committee is **not supportive** of this Special Use request due to the loss of parking spaces and the inconsistency with the Comprehensive Plan because of close proximity to residential uses. If the Plan Commission recommends approval of this request, the following are recommended as conditions of approval:

1. Prior to Village Board consideration, the petitioner shall submit a landscape plan for the site that:
  - Delineates a 3 foot high drought/salt tolerant screen along Central Avenue and Arlington Heights Road to buffer the parking lot along the street frontage.
  - Delineates landscape islands which contain 4 inch caliper shade trees at the ends of parking rows on the site.
2. The proposed mission arborvitae to be installed on the outside of the fence area must be 5 feet at planting.
3. If approved, the number of platforms/carries allowed on the antenna will be limited to two. The installation of additional platforms will require a Special Use Permit amendment. However, if a stealth mount application (antennas mounted inside the pole) is proposed, then additional carriers are allowed on the monopole in accordance with the Village's Special Use Waiver for Antennas process. If a stealth mount application is proposed, prior to Village Board consideration, the petitioner shall submit the revised drawings.
4. The Petitioner shall comply with all Federal, State, and Village codes, regulations, and policies.

May 8, 2015

Bill Enright, Deputy Director of Planning and Community Development

C: Randy Recklaus, Village Manager  
All Department Heads

**APPROVED**

PLAN

REPORT OF THE PROCEEDINGS OF A PUBLIC HEARING  
BEFORE THE VILLAGE OF ARLINGTON HEIGHTS  
PLAN COMMISSION

COMMISSION

RE: T-MOBILE - 1000 S. ARLINGTON HEIGHTS RD. - PC#15-003

REPORT OF PROCEEDINGS had before the Village of  
Arlington Heights Plan Commission Meeting taken at the  
Arlington Heights Village Hall, 33 South Arlington Heights  
Road, 3rd Floor Board Room, Arlington Heights, Illinois on the  
13th day of May, 2015, at the hour of 9:30 o'clock p.m.

MEMBERS PRESENT:

JOE LORENZINI, Chairman  
LYNN JENSEN  
MARY JO WARSKOW  
TERRY ENNES  
BRUCE GREEN  
GEORGE DROST  
SUSAN DAWSON  
JOHN SIGALOS  
JAY CHERWIN

ALSO PRESENT:

LATIKA BHIDE, Development Planner

## APPROVED

CHAIRMAN LORENZINI: The next item on the agenda is T-Mobile at 1000 South Arlington Heights Road. Latika, have all the proper notices been given?

MS. Bhide: Yes.

CHAIRMAN LORENZINI: Okay. The Petitioner here?

MR. STAPLETON: Yes.

CHAIRMAN LORENZINI: Is anybody else going to testify besides yourself?

MR. STAPLETON: Myself, our --

CHAIRMAN LORENZINI: Anybody who may speak, why don't you just all come up and raise your right hand?

(Witnesses sworn.)

CHAIRMAN LORENZINI: Thank you. Okay, would you, Petitioner, would you please state your name, spell it and give your address for the court reporter?

MR. STAPLETON: Sure thing. My name is Robert Stapleton, I'm one of the managing partners of National Wireless Ventures. Our corporate address is 505 North Lake Shore Drive, Suite 2109, Chicago, Illinois. The spelling of my last name is S-t-a-p-l-e-t-o-n, first name is Robert.

CHAIRMAN LORENZINI: Okay, thank you. Have you read the conditions and do you agree with them?

MR. STAPLETON: Are we talking the --

CHAIRMAN LORENZINI: Oh, never mind, let's skip that. Let's skip that for now. Okay, why don't you give us a brief presentation of your project?

MR. STAPLETON: Sure thing. As I said, my name is Robert Stapleton, I'm a managing partner. I'm here tonight on behalf of our developer, APC Towers, and T-Mobile who is the planned tenant for the proposed site. I am the past president of the Illinois State Wireless Association and past director of the association. I've been in the wireless business since 1996.

We all grew up with a landline phone. The world is changing. We're becoming digital, we're becoming wireless, and we're becoming connected in a whole new way. Years ago, a telephone company built a building in your community which we called the central office. The central office is going away from the standpoint where of the landline carriers are conducting their business.

Currently, there is a bill in the state of Illinois right now for the carriers as of 2025 where the wire line carriers would basically become deregulated by the Illinois Commerce Commission, basically saying we will no longer be providing service based on regulated rates, because the nature is changing. Here in Cook County, only seven percent of the households are connected only by a



## APPROVED

wire line phone. Over 60 percent of those households now in Cook County are connected by a wireless only phone. I'm sure all of you, depending upon your situation, you're looking at how you're connected to the world today.

When we grew up, we had one phone line in the house. Today, the average home has anywhere from four to eight connected devices within the home, your cell phone, your laptop, your iPad, your personal computer in the house. Most of the educational services now, meaning the schools, colleges and that, if you walk in to the school on your freshman year, you're being provided a wireless device, and that wireless device is now carrying the curriculum of a lot of communities. Hard copy books aren't being provided anymore, the curriculum is being provided on your laptop and loaded into wireless services.

As that changes, as we become more to a connected world, there is more need for localized wireless services. When I got in this business in 1996, we were building towers 300-foot tall, we were building then ten miles apart. It's a very simple diagram. When I talk about it, I use if you throw a big rock in some water, then we get large concentric rings. In today's world, we're throwing pebbles in the water because we're connecting those who are immediately around the site.

It's important that they stay connected. Now, we're not just talking connecting you and your car as you're walking onto the sidewalk or anything else. We're not connecting inside buildings, meaning you have a business, you want to be connected into the wireless world, you need to have solid 99.9 percent connection when you're inside your building for your connection. So, what we're now looking at is how do we achieve that in building connection? How do we achieve, enhance 9-1-1 services when you dial your phone from inside, your wireless phone from inside your building? That's what the industry is doing today.

It's a big change. I'm calling the towers in today's world, that is now the CO of the future because wireless service is carrying that connected service to your community and it's no longer the hard piece of copper or a piece of fiber. It's done wirelessly.

So, in this case, T-Mobile has gone out and looked at how they want to enhance their service, how they want to enhance their customer base, and at the same time deliver the customer quality that they're expected to maintain for their customers. And it's not just T-Mobile, it's all the other carriers that are doing the same thing. We're seeing 4G, we're hearing 5G coming down the line. You're hearing expressions LTE. These are all enhanced data services.

The world is becoming a data place. Your

## **APPROVED**

refrigerator is now becoming connected to the wireless world. Your stove is becoming connected to the wireless.

CHAIRMAN LORENZINI: But what are we going to do with this project?

MR. STAPLETON: In this case, this project, we're going to provide data and lifeline service from off this site. So, initially we're proposing six antennas on this site. The site requires a special use under your ordinance. The property is properly zoned to allow a wireless site to be placed here in the form of a special use.

We are asking this on behalf of T-Mobile. The site is being designed for future carriers to go in there. The subject property is a former service station. That intersection basically at one point in time years ago must have had three service stations on the corner. We now have, when I say service stations, supplying gas and those kinds of things. You now have facilities on three corners of that intersection at Arlington Heights and Central Road that provide automobile service. We feel that it's an appropriate location based on the fact that your ordinance allows as a special use on that property for wireless services or wireless power.

So, that's why we're here tonight, and we seek your approval of that. We have demonstrated through RF why we have to be at that particular location. That's in conformance with Section 332 of the Federal Communications Code. We're required to come before you to show that there is a definite need for service. By our propagation maps that we have supplied you, we are showing that there is a definite need of service.

When we were before the Plat and Subcommittee, there was a discussion about locations alternative to the site. The RF team has reviewed those sites. One of those was on top of the roof of Northwest Community Hospital, and the other side was on top of the Moorings. At this point in time, we have service that covers the hospital, and at the same time the hospital has not been a willing landlord to allow service to go on top of the hospital. The Moorings also is low and is too close to the existing coverage that we have in the area.

The center point concern is the intersection of Arlington Heights Road and Central Road. That's the community, that's the business community that we're trying to reach, and that is the hole in the service of our network at this point in time. The reasons why APC, the tower company carriers, meaning AT&T, Sprint, T-Mobile, Verizon, have all gotten basically out of the business of owning and operating the towers themselves. They've gotten into the business of supplying spectrum and it's important that they purchase spectrum from the federal government and provide service.

So, with that in mind, companies like APC, Crown

## APPROVED

Castle, American Tower, they have all purchased the assets, the tower assets for the carriers. Most recently, Verizon sold 11,000 towers to one of the tower companies. Because they are purchasing more spectrum, they just completed a spectrum --

CHAIRMAN LORENZINI: Can we just get back to this project?

MR. STAPLETON: Sure. Well, that's what I'm talking about, just why the need, because, why the need for an independent tower company to build. They are contracted by T-Mobile to build and operate the site. T-Mobile won't be operating the site. T-Mobile will be a tenant of the tower. So, that is why we're here.

CHAIRMAN LORENZINI: Okay. All right, thank you. Latika, Staff report please.

MS. BHIDE: Thank you. The Petitioner that's here this evening, they are requesting a special use permit for a wireless antenna tower and along with the fact they would need a variation from Chapter 23, Section 203, from the requirement that an antenna cannot exceed 75 feet above the grade level to allow a 100-foot monopole.

The proposed site is at 1000 South Arlington Heights Road. It's approximately half acre in area. Autotech Repair is located on the property site. The Applicant, this is the overall site plan, the Applicant, T-Mobile, is interested in leasing approximately 30-foot by 30-foot area at the southwest corner of the property and locating a wireless antenna there. The antenna is proposed as a monopole design. It would be a 100-foot to the top of the tower. It is about 113 feet from Arlington Heights Road and about 168 feet from Central Road. The lease area will occupy and thus eliminate approximately four parking spaces in the southwest corner of the site. There is also a 12-foot access easement which would result in additional four spaces being lost.

Radio and telephone antenna are required to obtain a special use in the B-2 District which is what they are seeking here.

I have a few photo submissions. These are submissions that were provided by the Petitioner. This is one looking west to the site, one looking north to the site. The picture on the right-hand is where you can see the antenna. The next two are looking south, again the picture on the right shows the antenna.

The Village's Comprehensive Plan designates this property as commercial. Staff has determined that the proposed antenna does not meet the following goals of the Comprehensive Plan. One is the general planning goal to preserve and enhance the natural and existing environment, and then the two land use goals. One is to ensure that the general land use pattern and relationships of all land uses remain or become acceptable to present and future community, and that incompatible zoning be avoided. The Staff Development Committee

## **APPROVED**

does not support locating the antenna at this location because it would be incompatible with the residential uses to the west and because of the loss of eight parking spaces on a site that has more vehicles than parking spaces.

The code requirements for the automobile service station requires three parking spaces for every service bay and one for every employee, and it results in 16 parking spaces. With the loss of four parking spaces, their parking plan shows 25 parking spaces, so that does have a surplus of nine spaces. However, Staff observed that there are 42 cars and other vehicles on site today, they went out. The parking counts that were provided by the Petitioner showed 35, 40 and 41 vehicles on the site on two weekdays and a weekend. So, there is more parking on the site than availability of parking.

Next, the parking plan, with parking along the south perimeter, a few along the west and the rest along the Central and Arlington Heights periphery. Just a picture of the site, you know, showing that this is going south to north, left to right, just showing that there were several vehicles the day we went there, you know, several vehicles also parked in tandem.

That being said, the Staff Development -- actually a couple of other things. There is no landscape screening along Central and Arlington Heights Road where there is parking, so that is nonconforming. If this was recommended for approval, then we would recommend that a condition be added that a three-foot high drought/salt tolerant screen be added. It would likely require IDOT approval, but from past experience, IDOT has been able to add in that screen.

There are also currently no landscaped islands on the site. There are a few locations that it would be possible to add landscaped islands, so that would be another recommendation.

That being said, the Staff Development Committee is not supportive of this special use request. If the Plan Commission recommends approval, then we recommend the following conditions of approval. That they submit a the landscape plan for the whole site that delineates a three-foot high drought/salt tolerant screen along Central and Arlington Heights Road to buffer the parking, delineate the landscaped islands. The arborvitae that is to be installed outside the fence area that they're proposing at that southwest corner will be five feet at planting. And then there were two additional conditions here, and I actually, oh, will go back and talk about that variation because I didn't.

The variation is from Chapter 23, Section 203 of the Village Code. The Building Code Review Board makes recommendations to the Village Board on matters relating to waivers or amendments on that Chapter 23. That is not within the purview of the Plan Commission. The Petitioner did go to the Building Code Review Board

## APPROVED

last month, on April 30th to discuss this variation. The Board then asked them various questions involving locations, variables of antenna/towers, signal strength, et cetera.

At that meeting, the Petitioner did indicate that antennas could be flush mounted, but they do not prefer to do it because it reduces the number of antennas that can be mounted on a tower and the cost is higher. The Building Code Review Board determined that the Petitioner did not prove a hardship that needed a relief to allow that 100-foot monopole. So, that is the recommendation that will be forwarded to the Village Board. They unanimously recommended denial of that variation.

So, one of the recommended conditions is that if approved, the number of platforms or carriers be limited to two. The installation of additional platforms or additional carriers will require a special use permit amendment. However, if a stealth application for antennas mounted inside the pole, in that case, you know, additional carriers would be allowed in compliance with the Village's special use waiver process, and that they comply with all federal, state, and Village codes.

CHAIRMAN LORENZINI: Okay, Latika, thank you. Do I have a motion to include the Staff report in the public record?

COMMISSIONER ENNES: So moved.

CHAIRMAN LORENZINI: Second?

COMMISSIONER SIGALOS: I'll second.

CHAIRMAN LORENZINI: All in favor?

(Chorus of ayes.)

CHAIRMAN LORENZINI: Opposed?

(No response.)

CHAIRMAN LORENZINI: Okay. We'll go to questions now from the Plan Commissioners. Commissioner Cherwin, would you like to start?

COMMISSIONER CHERWIN: You know, we had looked at this in the subcommittee and I had, you know, expressed my reservations about it, you know, in terms of exceeding what's currently permitted. I think the comments I made were along the lines of not wanting to set precedent on something that's, you know, technology is changing, I don't know how much thought the Village has put into it, but it seems to me like introducing 100-foot structures is something that we probably wouldn't do. To the extent we do it, we'd do it on a more planned basis in terms of any guidelines or understanding, at least giving the citizens an opportunity to understand, okay, well, if we're going to allow structures like this, it's going to increase bandwidth, it's going to increase your ability to use your devices but you know, potentially the downside is aesthetics and everything else.

So, I just, my reservation was, you know, I don't

## **APPROVED**

think as a Village we probably thought through this type of tower in this type of place. I think this is for the most part a residential area with some very thin commercial along Arlington Heights and Central. But the true nature of this area is residential. So, I am not supportive of this.

CHAIRMAN LORENZINI: Commissioner Sigalos?

COMMISSIONER SIGALOS: I have a question. How does the, I don't know, the radio frequency waves affect the local, the residences within the area, the businesses and so forth?

MR. STAPLETON: I have an RF gentleman here, but from my standpoint, because we operate at a spectrum designed by the federal government, we cannot interfere with television, radio, any of those items. There is no interference and these are protected spectrums that have been purchased from the federal government. That's why we are governed by Section 332 of the FCC code. So, there should be no issue of interference and we're mandated by the federal law that we cannot interfere. An interference has to be corrected within a 24-hour basis if there is identified interference.

COMMISSIONER SIGALOS: I'm only asking the question from direct experience. My daughter has a condominium in Timer Courts, and right adjacent to Timber Courts is a cell tower. She has no radio reception. You could drive your car past there and my radio cuts out.

MR. STAPLETON: It shouldn't be caused by the cell tower.

COMMISSIONER SIGALOS: Okay. Next question I have is regarding the parking. I saw on the parking counts that they have approximately 40 cars there which is over, much over what was provided, that they have 25 parking spaces there now. They're going to lose eight parking spaces so that brings them down to 17 parking spaces. Where are these cars going to go?

MR. STAPLETON: Okay. We've had a direct conversation with the landlord on this situation explaining that he only has the X number of parking spaces. Under our agreement, he will have to remove all those other cars from that spacing. In most of the cases, you rent spaces out for people to park antique vehicles, whatever else, he rents spaces out. So, under the agreement, we directed him that he will have to be in accordance with the Village parking regulation.

Four of the spaces that you referred to that are being lost basically is our, we have to have a designed access. But at the same time, that access, parking can continue in that access. That access basically is there for construction purposes and when we can service the site. But it does not call for the removal of those parking spaces. It's our access, it's not a permanent access and it's not an independent access. That is rented to us.

COMMISSIONER SIGALOS: The other comment here is at



## APPROVED

Plat and Sub we suggested and it sounds like you've looked into the Northwest Community Hospital or the Moorings. You stated Northwest Community Hospital, they haven't been very agreeable. Is that because they want their rental rate, that it was just too high?

MR. STAPLETON: No, it's just they, from what we understand based on the comments that they've given us, they're not interested because they have future designs for their rooftop and things like that. But at the same time, as I mentioned, based on our RF propagation, we have a site nearby that serves that area. So, in turn, by putting additional antennas on that facility, that in turns causes our own internal interference or we're overlapping signal within our own site. So, that's why we have to move to the east. We're somewhat confined to the area where we can move to in the east and we can't keep moving like towards the Moorings because there again we have overlapping services or we would have overlapping service there.

COMMISSIONER SIGALOS: My last comment is at the Plat and Sub I was not in favor of this location for this tower. In going through this proposal again and seeing that the Village Building Code Review Board has denied it, it's not compatible with the Comprehensive Plan, the Planning Staff is not in favor of it, I'm not going to be in favor of this project.

MR. STAPLETON: I understand what you're saying. I think through our RF plan and everything else, we have provided you sufficient documentation under Section 332 of the FCC code which we are required to do. So, in turn, you know, under that situation, if the situation is where we come to an impasse of getting a location in that area, the federal courts have deemed since the spectrum has been purchased from the federal government, we do have the right for an expedited hearing through the federal courts.

CHAIRMAN LORENZINI: Okay, let's not go there yet.

MR. STAPLETON: Okay.

CHAIRMAN LORENZINI: Let's finish our questions.

COMMISSIONER SIGALOS: I'm finished now.

CHAIRMAN LORENZINI: Commissioner Dawson?

COMMISSIONER DAWSON: Latika, are there any other stand-alone cell structures like this in Arlington Heights?

MS. BHITE: There are.

COMMISSIONER DAWSON: Where are they located? Are there 100-foot cell towers?

MS. BHITE: You know, I should have had that information but I don't know how tall they are. But I know there are other structures. There's one in the Annex of Arlington Heights behind the Barnes and Nobel there, there's a tower there. There's one, as Commissioner Sigalos was saying, on Arlington Heights Road at Dundee, around that intersection. So, there are also other stand-alone towers.

## APPROVED

MR. STAPLETON: Yes, there's a stand-alone tower at 1610 West Central Road. There is one at 1700 West Central Road, now that happens to be in Mount Prospect. We are in the steeple at 1903 Euclid. We have done our --

COMMISSIONER DAWSON: I'm not done asking questions.

MR. STAPLETON: Sure.

COMMISSIONER DAWSON: Right. So, it would be helpful for me to know, you know, where they are. I'm less concerned with the cell tower in this area than maybe some of the other Commissioners are because I do agree that times are changing and this is going to become a fact that we have to address, that there will be more cell towers. But I also feel that the Village hasn't yet sat down and thought through that concept and come up with a plan for what locations are appropriate, when we will do that.

I don't, I'm hesitant because it's gone to the Building Code Review Board and Staff has already looked at it. I'm hesitant to start giving isolated approvals. Once we start giving approvals without a plan in place, we create precedent, and then we don't have a Village-wide plan for the adoption of, or for the allowance of these cell tower structures.

So, in and of itself in its location, I frankly don't have a whole lot of problems with the location. I'm very familiar with that area. But I can't support it until I have a better understanding of how the Village is going to approach cell tower structures comprehensively. That's my main concern.

That aside, I'm very concerned about this property site that has 42 cars, and what are we going to do about that? That's ridiculous, you know. Whether or not the cell tower structure is allowed to be placed there, the owner cannot exceed his parking allotment.

MR. HALLORAN: It looks like a junkyard actually.

COMMISSIONER DAWSON: Okay, I know, I'm sure you're upset. But, so, aside from whether or not a cell tower is going there, the Staff now needs to go address this parking problem, absolutely. But that's, you know, that's where I'm at right now.

CHAIRMAN LORENZINI: Thank you. Commissioner Drost?

COMMISSIONER DROST: Yes, I think those are good points, Susan. My concern is that I think from the Comprehensive Plan for the Village, that when you saw those pictures, we want to go underground with the wires, with the telephone poles, with the electrical. There's a, this is going in the opposite direction, it's going up. Basically, it's a matter of eye clutter.

MR. STAPLETON: Yes, just to give you an idea of the --

CHAIRMAN LORENZINI: That's okay. Let's --

COMMISSIONER DROST: No, it's just a comment that I'm

## APPROVED

making and, you know, we need technology as you know, gosh, and I like it, you know. It's not to beat you up on it but it just doesn't fit within sort of the plan. You know, we're not Luddites.

CHAIRMAN LORENZINI: Anything else?

COMMISSIONER DROST: I'm done.

CHAIRMAN LORENZINI: Commissioner Jensen?

COMMISSIONER JENSEN: Yes. It seems to me we're being asked to balance aesthetics against utility. I think you've made a, it seems to me you've made a good case that, and Commissioner Dawson made the same point, we're going to actually be moving in the direction where we have to deal with the utility of having these relays, these microwave towers that actually meet the needs of the residents. They may be even coming back to the Village Board saying you haven't taken care of our needs because of what you stood in the way of in the nature of wanting something that's aesthetic.

I'd like to ask, Latika, how was that 75-foot standard set? And when was it set?

MS. BHIDE: I did try to research that a little bit more. That 75-foot requirement is a local amendment to the International Building Code. So, the unamended IBC does not have that requirement. You know, whether it's for aesthetic or other reasons, I was not able to find out why we have that local amendment, but it has been there for a number of years.

COMMISSIONER JENSEN: Well, when it was approved is what's really important to me because it may be that it was approved at a time where it may or may not have made any sense but today it may make no sense whatsoever. So, I would turn and ask the question, is a 100-foot the norm nowadays? You said earlier it was 300 feet, you had a different model of how things worked. Is 100 feet the ideal thing at this point?

MR. STAPLETON: Basically, 100 to 125 is becoming the new norm. We're coming down because we're coming into town. We're not broadcasting out the 10 square miles around the site. Because of the demand, the customer demand and the spectrum use that they are, we have to become more localized. So, in becoming more localized, we're becoming just above the tree height.

To give you an idea, your utility poles that are immediately adjoining that site, there's probably 45 within very close proximity of that site that are in excess of 70-foot tall. So, what we're talking about is this is the way things are going because we have to be, we're mandated by the federal government that when someone dials 9-1-1, we have to connect them within 150 meters where they're at. So, 90 percent of the calls in Cook County that's documented by Cook County government and everything else are coming off of wireless devices. So, it's that connection factor.

## APPROVED

COMMISSIONER JENSEN: I have another question. Is it feasible for any village to lay out a map of where the towers ought to go and create for you a comprehensive plan and present to you and say these are the places we designate that the towers can go? Is that something that a village can do?

MR. STAPLETON: It's depending upon where, like someone can say, well, you can only go in an industrial lot. Well, the industrial lots are only on the north side of town, and so we're lacking coverage on the south side. We went through this the other night. The M-1 and the M-2 Districts where they want us to be are on the north side of town, no coverage on the south end of town.

You should have a propagation map that's been provided to you, correct? And you can see on your propagation map how the towers are situated around this hole. So, what we're trying to do is we're trying to cover this hole, and that's what the federal government requires us to do, to demonstrate why we have to be there.

We're not going to spend, \$400,000-\$500,000 to throw on the ground to throw a tower in the hole. We're, you know, we don't have appropriate high structures. I mean we'd rather go on a tall building versus a tower. This is an expensive proposition. But when you don't have that, we've got to fill the hole.

COMMISSIONER JENSEN: Well, I may have misinterpreted what some of my other Commissioners have said. But I had the vision of our actually laying out and pinpointing for you where the towers need to go and that would be the Comprehensive Plan. And I'm having a little trouble seeing whether that would be possible for a village to do that.

MR. STAPLETON: It's all because you have, right now you have four operating carriers. You have the federal government now jumping it with FirstNet which is going to be next big carrier because that's going to be the connective device between your local services and the federal government, meaning FEMA, the FBI, and that quick story, Washington, DC, they're chasing a woman in a car. You have three branches of federal government services and local Washington, DC police. They could not communicate within a mile-and-a-half chase of this woman and she ended up being shot because nobody understood what was going on. That's because there was lack of communication.

The federal government mandated after 2001 that connection device come about. FirstNet has been made. The federal government just put ten billion dollars to FirstNet to be connected. So, they're going to be the fifth carrier, and then Push-to-Talk is coming back, that's going to be the sixth.

As I said, the landlines are going away very quickly. Verizon just sold off four states because they could no longer maintain those dollars. AT&T, Verizon and Sprint have all come

## APPROVED

to Springfield and said we can't be regulated anymore because we can't guarantee wire line service to the community anymore. The tower is the new CO.

COMMISSIONER JENSEN: I guess my last comment is I'm like Commissioner Dawson although probably I'm even more supportive because I don't think that the aesthetics ought to dominate the practicality of having something that we're going to increasingly rely on. So, I'm more supportive of allowing this. I'm encouraged when you talk about the parking and you indicate we've got a landlord who is actually violating the agreement that he struck with the Village and he's renting out spaces. And thankfully, if we approve this, it sounds like you will be able to bring that to an end better than our own Village Staff were able to do. I don't know exactly how this will work to have the four parking spaces returned to use when you're not using it for access to build or whatever, but I'm going to take you at face value that you can do that.

So, at this point, I'm reasonably supportive of this proposal.

CHAIRMAN LORENZINI: Thank you. Commissioner Warskow?

COMMISSIONER DAWSON: Can I just, just before you go, I want to explain what I meant by a comprehensive plan. I didn't mean that there would be a map where we would pinpoint. I don't think we can do that because it's property owners, we can't tell them they have to put it.

What I meant was, similar to, what was it, two years ago or what have you, that we were talking about windmills, okay, and should private residences be allowed to have windmills in their backyard if they wanted to. It was a new concept. So, we had a meeting where we were taught about windmills and what the impact is and all that. What I mean is I don't think that the Village, because they have lots and lots of things to do, is up to date on what cell phone tower needs are, what reasonable cell towers are, you know, what you said, why is it 75 feet, who knows?

What I was suggesting is that the Village needs to do kind of more of a deep dive in understanding what current technology requirements are, current regulations are, and come back to us with an understanding of what is a reasonable cell tower height, how far apart. You know, we don't want him to build a cell tower and then someone right behind him to build another cell tower, you know. To some degree, how many should be allowed in a certain area and what's reasonable? That's all I meant.

COMMISSIONER JENSEN: Are you suggesting though we let this, that we stop this project from going forward while the Village does this?

COMMISSIONER DAWSON: Right now, I'm concerned with

## APPROVED

approving it before I have a better understanding of it because I don't understand what 100 feet versus 75 feet is, okay. I'm not necessarily against it. I'm not opposed to the location. And from previous cell towers that have come before us, we cannot speak to or address any health concerns. So, if there's anyone who has questions about health concerns, we're not even allowed to bring that into consideration. The only thing we can think about is whether or not it's properly located at the time in our Comprehensive Plan.

So, I don't know what your time frame is. I would like for my own self to have a little bit more understanding of cell towers and what's the proper height and all that. I don't know where I stand on whether or not we should make it wait. But if we approve this, then we better put something in place before the next one comes is I guess what I'm saying.

CHAIRMAN LORENZINI: Commissioner Warskow?

COMMISSIONER WARSKOW: Yes. I'm more along the lines of Commissioners Jensen and Dawson. You know, we can't be 'not in my backyard' over everything and still utilize those services every minute of the day. Somebody has to go. And if we're counting on it based on an area and this is the area that needs to be covered, then this is where it needs to go.

I'm not in love with this corner as it is, I live very close to it, and the cars are not adding aesthetics. So, if there is anything that can be done between this project and Staff following up with them to minimize the number of cars on that site that would be very helpful. So, I'm tentatively supportive of this project.

MR. STAPLETON: Thank you.

CHAIRMAN LORENZINI: Commissioner Ennes?

COMMISSIONER ENNES: Yes, I do have three questions. I presume that your proposed landlord is the property owner?

MR. STAPLETON: That is correct.

COMMISSIONER ENNES: And is he here tonight? I have a question for you. I noticed you did swear in earlier.

MR. DISCEPOLO: Yes.

CHAIRMAN LORENZINI: Would you state your name and spell it and give your address please?

MR. DISCEPOLO: My name is Anthony Discepolo, D-i-s-c-e-p-o-l-o, and I live at 2725 West Glen Lake in Chicago.

COMMISSIONER ENNES: Mr. Discepolo, you've heard that you're over-parked on the property?

MR. DISCEPOLO: Yes.

COMMISSIONER ENNES: And are you also aware that you, if we were to approve this, that you would have to bring your property up to code as far as, you know, if you look at this, you have paving going right up to the sidewalk. You have no curbing. You have no



## APPROVED

islands for trees. You're going to have to, if we so decide this, that you're going to have to upgrade your property, put curbing in around the parking lot to separate it from the sidewalks and you're going to have to put in islands with trees around there because you're not a conforming use. Do you understand that?

MR. DISCEPOLO: I understand that. Of course I'd have to see the extent of what I need to do. I will address the car issue. I'm not quite sure at what point there were that many cars. We have begun to remove many cars. We had a boat stored there, I've had it removed.

I have a partner who manages that site, I'm never there. We have another site in Chicago, so a lot of the cars could be moved to the other site. So, moving the cars is not a problem. We have another property they can be moved to. Maybe that was a specially busy day. Removing my personal cars that are stored there, removing the rental that I wasn't even aware that we were renting spaces, so I'll speak to my partner --

COMMISSIONER ENNES: Good thing you came today.

MR. DISCEPOLO: I'll speak to my partner when he comes out of the hospital. Unfortunately, he was supposed to be here tonight but he's in the hospital. Because I did not approve that practice. Yes, reducing the number of cars is something that we will do effectively, efficiently and quickly.

COMMISSIONER ENNES: Latika, I thought I saw a requirement that the Petitioner provide a landscape plan?

MS. BHIDE: That's correct.

COMMISSIONER ENNES: Has that been done?

MS. BHIDE: No.

COMMISSIONER ENNES: No, okay. Thank you for promise on that.

MR. STAPLETON: We have --

COMMISSIONER ENNES: I have two other questions for the Petitioner. Yes, thank you. Why can't you do a 75-foot? And why do you need four antennas instead of two?

MR. STAPLETON: Okay. I have, RF can explain the 75-foot but I'll explain from the standpoint of just your code without talking about an RF standpoint. Your code likes collocation.

COMMISSIONER ENNES: Likes what?

MR. STAPLETON: Collocation. That's meaning on the same post you have T-Mobile, you have AT&T.

COMMISSIONER ENNES: Right.

MR. STAPLETON: You have someone else. We call it collocation in the industry. Most communities today want collocation. So, instead of us building two towers, we build one, we put everybody on the same post.

## APPROVED

COMMISSIONER ENNES: Right.

MR. STAPLETON: So, 75 feet, we get into a limited situation from a standpoint because at 75 feet we're just above the tree line. We come below that tree line, then the problem is signal penetration. RF?

COMMISSIONER ENNES: What's his name?

CHAIRMAN LORENZINI: State your name, spell it and give your address please.

MR. NAJEEB: I'm Suhaib Najeeb, S-u-h-a-i-b N-a-j-e-e-b, 9275 Church Street, Des Plaines, Illinois.

As Mr. Stapleton had mentioned, you know, the difference between the 100-foot tower and the 75-foot tower, the real matter is like the collocation because no one really wants to be, if the city has given me a choice to select like 55-foot monopoles, then unlikely I would select it because that would not, the signal would not penetrate with all the trees. We have to be at a certain height so that the signal can penetrate easily. The more trees and more things in between, the signal would get lost. That's the nature of the RF signal.

The more height, for example, if you are having a 100 to 135-foot monopole, then another concern you're having is every carrier is operating in their own frequencies but we should have a certain difference between our antennas. So, for example, if we are at 110-foot, then AT&T will be at 100-foot, and Verizon will be at 90-foot. So, we will maintain a center to center antenna. For example, this is the antenna, the center to center line, there will be a 10-foot difference. So, that's what we maintain here in order to avoid the interference between the other carriers.

So, if we are at 100-foot, then the other carriers would be 90, 80 and 70. So, if we have selected a 75-foot tower, the other carrier will be at 65, no one wants to take 55. So, it's like no one really wants to --

COMMISSIONER ENNES: Okay, you're technically way above my head. So, why can't you have a 75-foot tower? You could do it, right?

MR. STAPLETON: We could do it, but the thing is under your ordinance it limits that site to one carrier. That's the issue. And the other question is regarding the talk about stealth. Stealth is where we put the antennas inside the pipe itself. There again we're limited because we only have, in the tower, you have three antennas that go in the first canister, second canister is three more antennas. So, what happens is if we're at 75 feet, we have three antennas at 75-foot level batch height. The bottom of that antenna is approximately 70 or 68 feet, we have a separation that's required so there is no interference of about three to four feet. So, here again we're now at

## APPROVED

the bottom of that antenna that is in the neighborhood of 60 feet.

So, it can be done. We've talked about it. We --

MR. NAJEEB: Another concern I want to bring about the 75-foot is like we have on the second and third page of this presentation, you can see the difference between the 100-foot and 75-foot. The 100-foot, pretty much you are covering the entire hole, coverage hole. So, even at the edge of the coverage hole, we are almost covered with a 100-foot. Whereas if you can see the 75-foot, then there is still the coverage gap where our building cover is not to the level. So, that's the difference between the 75 and the 100.

COMMISSIONER ENNES: So, within this area, you said that you talked to the hospital and the hospital is a high building.

MR. STAPLETON: It's a high building but it's outside the coverage area, and we have those --

COMMISSIONER ENNES: Then you'd be a couple of hundred feet up, right?

MR. NAJEEB: Right. But we are like 0.37 miles away from the existing tower. So, if you see the existing tower CH --

COMMISSIONER ENNES: Which page are you talking about?

MR. NAJEEB: If you can see --

MR. STAPLETON: Page one.

MR. NAJEEB: Page one, the CH43371A, that is our on-air site, which is currently operating and the customers are using that site. So, we cannot build at any other site, which is really close to the other site. If you see these directions of this, you know, it shows the site location and it shows which direction it is pointing. So, CH43371, it is pointing at 0 degrees, 120 and 240. What that means is it's covering the area in 0 degree, you know, that north side of the area. The hospital is immediately 0.3 some miles from that on-air site.

COMMISSIONER ENNES: So, that would --

MR. NAJEEB: If I select that location, then I should not shoot anything on the west, I'll put all my antenna shooting toward the east. So, that itself, you know, our separation between the sectors, when I say sector, it's like 0, 120, 240, the difference would be very less. So, that creates the interference between our own sites and you're not covering much area from there.

COMMISSIONER ENNES: I mean I agree, we need the devices. However, I need to look to the Village technically as to what height we want and how many antennas. At this point, I'm not pro making this big variance now unless we get some direction. If I was going to be supportive at this point in time, I would want the site improvements to make this property compliant as part of that.

MR. STAPLETON: We understand that, and one of the directions was the IDOT and we have approached, we've been approaching

## APPROVED

IDOT. They have protections on that interchange, as you know, from the standpoint of traffic. So, from the standpoint of vegetation and within the right-of-way, you know, they're going to limit us to, you know, minor height adjacent to the curb so that it doesn't interfere with any, from a safety standpoint.

COMMISSIONER ENNES: Sure.

CHAIRMAN LORENZINI: Commissioner Green?

COMMISSIONER GREEN: In the Plat and Sub meeting, I had reservations and I still do. That's item one. Item two, the owner of this property is going to do something with these cars no matter what happens on the site. It doesn't have to be improved to take care of a violation to the parking spots. So, that's item number two.

Then I have an obvious question, and please don't take it the wrong way, Mr. Stapleton. When you say T-Mobile existing coverage, do other carriers have better coverage in these areas and is it just you that doesn't have the coverage?

MR. STAPLETON: No, it's --

COMMISSIONER GREEN: It's everybody?

MR. STAPLETON: It's everybody that's facing this issue because --

COMMISSIONER GREEN: No, no, no, in this area that you're proposing.

MR. STAPLETON: Yes, yes. As part president of the association, I can attest that everybody is having problems. We've gone from outside --

COMMISSIONER GREEN: No, I understand that.

MR. STAPLETON: It's the in-building and the data issue that all the carriers are facing in that area. So, that's why we're proposing collocation.

COMMISSIONER GREEN: This would be the same coverage problem if this was Sprint or somebody else?

MR. STAPLETON: That is correct.

COMMISSIONER GREEN: It would be the same --

MR. STAPLETON: It might not be exact based on power but it's going to be close.

COMMISSIONER GREEN: Okay. So, the next question since I, you know, barely understand how it works anyway, if you lived in these areas where there is no coverage, are you telling me that you get zero cell phone?

MR. STAPLETON: You don't get zero, but if you're out walking in the street you're going to get outdoor coverage. But when you're in your home office or you're in your basement or whatever else, your coverage is --

COMMISSIONER GREEN: So, it's a weaker signal and it has trouble going through the wall?

## APPROVED

MR. STAPLETON: Right. It's --

COMMISSIONER GREEN: I got you, I got you. I just had to get that clear in my own head. It's anybody's problem.

MR. STAPLETON: And because data now is operating at frequency level much higher, correct? Am I right?

MR. NAJEEB: Yes.

MR. STAPLETON: Because data is operating at a higher level of frequency, it has a problem with penetration.

COMMISSIONER GREEN: Okay, I got it, I got it. I just wanted to --

CHAIRMAN LORENZINI: All right, Bruce, thank you.

COMMISSIONER GREEN: I appreciate that.

CHAIRMAN LORENZINI: Latika, I only have one comment. On page one, on the north side, it does not show anymore. I have no other questions.

Let's go to the comments from the public. Anybody on my right, your left side of the room? Yes, sir, come forward, state your name, spell it for the court reporter, give your address.

MR. LOVICK: Thank you for having me. My name is Glenn, G-l-e-n-n, Lovick, L-o-v-i-c-k. I live at 1020 South Evergreen, Arlington Heights. I will probably be approximately 170 feet from where this tower will go because I'm on Evergreen, they will go right basically across the street.

The photo simulation picture that was up there, very impressive from the perspective. You can make a small person look big or a big person look small through photo perspective. If you're looking at this picture, I will be probably 70 feet or 100 feet from this tower. When I'm sitting in my front yard, I'm going to be looking up at this huge tower with six antennas on it, and possibly in the future there's going to be more.

I have absolutely zero problem with my cell phone carrier in my house. I live with my brother who has a different carrier. We have absolutely no problems. So, signal strength I don't think is a very valid issue.

I'm very concerned that this is going to hurt my property values because do you want to have a house where you like to sit out in your front yard and be staring at a 100-foot tower that's looming way above my trees? I am very opposed to this. Also, I agree with the parking and stuff in that corner. So, that's all I have to say. Thank you very much.

CHAIRMAN LORENZINI: Thank you. Thank you very much. No, no, sir, please no. Anybody else in that row? Yes, ma'am.

MS. GIANPETRO: My name is Gail Gianpetro, G-a-i-l G-i-a-n-p-e-t-r-o. I live at 1024 South Evergreen. I'm opposing it based on aesthetics also. The surrounding community is one and two-story

## APPROVED

homes, some professional buildings, limited professional buildings also one and two stories. Even the trees in that area are probably about 50 feet tall, so this will tower and loom 50 feet above even the vegetation that's there.

So, I think it will be unsightly. I, too, have not experienced any problems with my cell phone carrier. I have Verizon. I don't know what the other people in the community have but I have Verizon. I have not experienced any problems in my home. So, I oppose it based on the aesthetics of it.

CHAIRMAN LORENZINI: Thank you. Anybody else on this side of the room? Yes, sir, would you come forward? State your name, spell it, and address please.

MR. HALLORAN: My name is Fred Halloran, and I own the property at 1009 South Evergreen and 1015 South Evergreen. I've been there in Arlington Heights for 25 years and this proposed cell tower is right up against my property. I'm asking the Committee to deny this request for a variation for the following reasons.

I believe firmly that the property value will decrease considerably on Evergreen Street if this tower is present. I mean I can only imagine someone coming trying to buy two lots, and the first thing out of their mouths would be I'd love to give you your asking price but I can only pay you half because that 100-foot cell tower is looking right at me.

South Evergreen Avenue is 90 percent residential. I own the majority of the professional buildings that's on Evergreen Street. We have a privacy fence on South Evergreen. There are bushes on our property. Some are 20 feet, some are almost 60 feet tall, and when I look over into the property on the southwest corner of Arlington Heights Road, all I see are trucks and boats and piles of abandoned tires. To think that a 100-foot cell tower would go there, it would make that corner look not just like a junkyard, but I would say it would look like the worst corner in Arlington Heights. I mean the only corner in the northwest suburbs that I think looks anywhere near as bad is probably on Route 12 as you go through the old section of Des Plaines. I think that's just not in the interest of the Village of Arlington Heights.

Additionally, on a personal note, myself and the other doctor on South Evergreen have a plan and we've actually started talking to the Village about this to actually take down our commercial building and to build a condominium building on that site. It's almost a three-acre site, with the hopes of turning Evergreen Avenue into a completely residential area. It would almost be impossible to build a four or five-story condominium building on that site with hopes of selling condominium units if the potential buyers have to look out their window and look at a 100-foot cell tower.



## APPROVED

You know, it's not just the ugliness of it but it's the potential exposure to this non-ionizing radiation that these towers emit. I know there's a lot of debate about whether that radiation is harmful or not, but I know if I were going to buy a home and there was a cell tower there, I would look elsewhere.

I guess to conclude, all I would ask each of you on this Committee is what would you vote if this cell tower was going to be put in your neighbor's yard? Thanks for your time.

CHAIRMAN LORENZINI: Thank you. Anybody else on this side of the room who want to comment? Statements? Okay. If not, we'll go back to the Commissioners for final deliberation. Let's start --

COMMISSIONER JENSEN: Just a -- hold on one second.

CHAIRMAN LORENZINI: Go ahead.

COMMISSIONER JENSEN: Just a follow-up question. People have indicated they don't really have any cell phone issues. Is data a different matter?

MR. STAPLETON: Yes, data is becoming a very important matter. That's why the federal government is releasing additional spectra to cover data, and that's part of what the long-term use of this site would be in addition to voice and the data that's being handled now is that future need for data.

COMMISSIONER JENSEN: So, these people could be getting good telephone service but at some point may not be able to get the full range of data service? Is that possible?

MR. NAJEEB: That is correct, that's exactly what's happening now as well as in the future it will be both. As someone had just mentioned, you are planning to convert to a condominium, that means that, you know, a lot more users in the area. What that means is you might see the signal, when we say there is no signal, it does not mean that you don't see a signal in your phone. You might see full bars as well sometimes, but you cannot access to the network because you exceeded the limit and no user can access the network. That's what it means.

For voice it's a different thing, and for data it's totally different. When it comes to data, you don't want to, when you do video and it keeps on browsing it, you'll just quit it. So, that's what happens when signal is weak, then your speed will be decreased.

COMMISSIONER JENSEN: So, we've had some speculation, this is not really a question, it's more of a comment. We've had some speculation that property values would decline because we have this big tower there. But it seems to me that it's equally likely that if you wanted to buy a place and you couldn't get any data services, you might find that your property values drop.

## APPROVED

MR. NAJEEB: Exactly, that's what I was about to say, that if I go to a house, the first thing I would check is if the signal is coming on. And the next thing, I would download something and check what is the speed I'm getting. That's what the next generation is going to look at. If they are not getting the signal, for example, if I'm staying in a room and if I'm not able to download, I don't want to come outside my house and download a movie and go back in and watch it. That's not practically possible.

COMMISSIONER JENSEN: Yes, I live in this area and I must admit that it's a very ugly corner. I don't live very far from that corner. That corner needs some help, and I don't how many decades it will take for the Village to get around to straightening out the strip malls and other strange things that are on this corner and down Arlington Heights Road, and you live in that area as well. But I'm having a little trouble standing in the way of this project when it looks like we're asking people to wait decades.

I do agree with Commissioner Dawson. I think the Village needs to put together some kind of a committee of Staff and experts and set some standards and work through this issue as promptly as possible. I know that's going to take some time, and I can't see voting against this project just because we are unprepared to deal with the present let alone the future. So, I guess I'm more strongly in favor of voting for this project at this point, but I would urge the Village to, you know, take it upon itself to resolve this issue and set better standards based on the reality of today rather than whenever that 75-foot standard was set.

CHAIRMAN LORENZINI: Commissioner Warskow?

COMMISSIONER WARSKOW: I'm supportive that we need to make sure that all the residences are covered with data, and we can't just say, you know, not in my backyard. But I would like to see what the other mobile carriers' coverage is in this area before we go ahead and set a precedence and, you know, not have all the information. So, you know, I am taking the residents' word for it that they're getting coverage in their homes. You're only representing one carrier here. I'm supportive but I would like to reserve voting on this until we have more information about other carriers' coverage.

MR. STAPLETON: I would just like to --

CHAIRMAN LORENZINI: No. Commissioner Ennes? That was just a statement she made, she didn't have a question.

COMMISSIONER ENNES: Okay. While I'm leaning in this direction, I would like more input from Staff in regard to what our goal here is, whether it's 75-foot or 100, whether 100 is the way things are going and we might need to adjust our code. But my other concern is before I would in any way vote positively on this, we need to have this other part of this plan which is the landscaping plan for

## APPROVED

curbs, for parking islands. We need to have that be part of this proposal and I wouldn't support it until we have that.

MR. STAPLETON: In your drawings that you should have in front of you, you do have a landscaping plan around it. It's LE2.1.

MS. BHIDE: That is just the plan for around the site.

MR. STAPLETON: That's for around the site.

MS. BHIDE: We're looking for an overall landscape plan for the site.

COMMISSIONER ENNES: We're talking about the property, and talking about the owner.

MR. STAPLETON: Okay. That, we can do that. Just as another point --

CHAIRMAN LORENZINI: No, enough said.

MR. STAPLETON: Well, it was a question that was brought up and there's a question that --

COMMISSIONER ENNES: No, it's not a question. That's a comment.

MR. STAPLETON: No, but can I address the questions that the residents brought up? They made some statements that are false.

CHAIRMAN LORENZINI: Okay, go ahead.

MR. STAPLETON: A resident brought up that he's 170 feet from the tower. The nearest home in that district to the tower is 249.1-foot, that's to the nearest site. Regarding the fence that's adjacent to the property that was brought up, that there's a fence between our property and the adjoining property, the Village had asked us to improve that fence because that fence is deteriorating and it hasn't been taken care of. That's one of the other requirements that we have been asked to do, was presented, was to take care of that fence. Am I correct in that statement? Yes.

CHAIRMAN LORENZINI: Okay, very well.

MR. STAPLETON: So, I mean, we're just trying to, we're willing to do that.

CHAIRMAN LORENZINI: Okay. Commissioner Green?

COMMISSIONER GREEN: I am not supporting this project at this time. There is missing information, I agree with Commissioner Ennes here. If we were to have a positive vote on this, we have to see what the improvements to the site would be, the landscape, the parking stalls and everything else that go along with it. So, at this point, I agree we need more information, we need more of a plan than just one carrier to tell us what we think we should have. So, I am not in favor of this project at this time.

CHAIRMAN LORENZINI: Thank you. Commissioner Cherwin?

COMMISSIONER CHERWIN: I'm not in favor of it as well.

## APPROVED

I'll just reiterate my statements from earlier which is I think that we need to come up with a more comprehensive guide to how we're going to approach these. As I think you can tell by this hearing, there's a lot of uncertainty. There's great reasons for putting a tower in this area and there's also big concerns for putting a tower in this area. I'm not against necessarily towers here, I'm not necessarily against towers near residential areas. I'm just against making decisions without enough information to be prudent. So I do not support it.

CHAIRMAN LORENZINI: Commissioner Sigalos?

COMMISSIONER SIGALOS: I agree, I can't support it unless we have further information. So, at this particular point in time, I'm going to vote against it.

CHAIRMAN LORENZINI: Commissioner Dawson?

COMMISSIONER DAWSON: Well, I wouldn't suggest that we come to a vote. I will suggest that we continue it because one of the requirements was a proper layout plan for the property. So, I would say that it needs to be continued until you finish your discussions with IDOT and we have, and the owner has investigated costs associated with the revisions that Staff is requiring. So, in that time, I would hope that while those things are going on, Staff can come back to us next time with more of an idea and maybe we use one of our meetings like we did with the windmills, for example, to get a better understanding of what is required.

Like Commissioner Warskow stated, I thought, my recollection when we did the antenna tower on Euclid, I could be wrong, we had more data on what the cell phone coverage was in the area from various providers. There's a lot more data, and I feel like Staff needs to come up with suggestions to petitioners on what kind of data needs to be brought before us, because I don't feel, just like we stated before, we have a comprehensive understanding of what the need is in this area.

So, like I stated before, I'm not against it, I think we need to continue it. You've got some work you've got to do, Staff has some work they've got to do, and then we'll all meet back here and go through this again because, you know, it's just been fun.

CHAIRMAN LORENZINI: Commissioner Drost?

COMMISSIONER DROST: I think the tower is in the wrong place, at least from the Comprehensive Plan that we have been working on and developing and it goes contrary to what we've been trying to do for that neighborhood. The encouragement that I would give you would be to try to work something out with Northwest Community Hospital. I know you've said no, but you know, never say never. That just seems to be the more logical place to aggregate the antennas rather than in some sort of haphazard way.

MR. STAPLETON: As I said, we're 0.3 mile just from the

## APPROVED

hospital now.

CHAIRMAN LORENZINI: Excuse me, sir, it's not your turn.

COMMISSIONER DROST: But I mean I'm just looking for aggregation, you know, where you have to have like kind items, you know. It's tough.

COMMISSIONER DAWSON: Can I just quickly, one thing I forgot. Could we get more of an understanding later, not tonight, of what a stealth tower looks like? Because I just tried to do a quick little Google search and it's not, there's like a whole different kind of stealth tower.

MS. BHIDE: We'll get you more information.

COMMISSIONER DAWSON: I think we need to understand what that is.

CHAIRMAN LORENZINI: Okay. My comment I think is a lot simpler than everybody else's. I just don't think a 100-foot tall in a residential area belongs there. I agree with the Staff that it shouldn't be approved. That's my comment. Any motions at this point?

COMMISSIONER JENSEN: One question or clarification. We've got a proposal before us but we want to make the landlord who's been sort of grandfathered in without the right kind of landscaping and so forth upgrade his property. Do we have the authority to do that when we're looking at a small part of that property?

MS. BHIDE: Right, but it is a special use. They are leasing a 30 by 30 foot area, but it is a special use on that property. So, yes.

COMMISSIONER JENSEN: So, we could then have the authority to have the entire piece of property basically upgraded in terms of landscaping as Commissioner Ennes and Commissioner Green asked for. So, this could be a way to get that done.

MS. BHIDE: That is my understanding, yes.

COMMISSIONER JENSEN: Well, I certainly would support what Commissioner Dawson has suggested. I wouldn't want to vote this down. I would want to have the folks come back and take another pass through this when we have a lot more information.

CHAIRMAN LORENZINI: Any motion?

COMMISSIONER DAWSON: I'll make a motion to continue.

COMMISSIONER JENSEN: I'll second.

COMMISSIONER DAWSON: I don't know if what that motion needs to state though. I need some help, Latika. Do I just need to state that I make a motion to continue until Petitioner has complied with all the requirements of Staff relative to the information of the site plan?

MS. BHIDE: Sure. Do we need a date? I mean does

## APPROVED

there have to be a date, specific date?

COMMISSIONER DAWSON: I don't think we can because they have to talk to IDOT. They have to put together a plan. They have to do costs. I mean I think we just say when Petitioner has all the information, they come back.

MS. Bhide: Okay.

COMMISSIONER JENSEN: And I'll second it.

CHAIRMAN LORENZINI: Do we take a roll call or any further discussion? Any other comments? Then we take a roll call on the continuance.

MS. Bhide: Commissioner Dawson.

COMMISSIONER DAWSON: Yes.

MS. Bhide: Commissioner Drost.

COMMISSIONER DROST: Yes.

MS. Bhide: Commissioner Ennes.

COMMISSIONER ENNES: Yes.

MS. Bhide: Commissioner Green.

COMMISSIONER GREEN: No.

MS. Bhide: Commissioner Jensen.

COMMISSIONER JENSEN: Yes.

MS. Bhide: Commissioner Sigalos.

COMMISSIONER SIGALOS: No.

MS. Bhide: Commissioner Warskow.

COMMISSIONER WARSKOW: Yes.

MS. Bhide: Commissioner Cherwin.

COMMISSIONER CHERWIN: No.

MS. Bhide: Chairman Lorenzini.

CHAIRMAN LORENZINI: No.

MS. Bhide: The motion carries.

CHAIRMAN LORENZINI: Motion carries, okay. So, I guess we'll notify them about the continuance.

MS. Bhide: Yes, I will communicate with them.

MR. STAPLETON: Okay, thank you. Thank you for your time.

CHAIRMAN LORENZINI: Okay. That's it. Any other business? Can you take the rest of, excuse me, could you take your discussions outside? Out in the hall please.

Any other business, Latika?

MS. Bhide: No.

CHAIRMAN LORENZINI: No? Anybody else? Do we have a motion to adjourn?

COMMISSIONER DROST: I'll make that motion.

COMMISSIONER GREEN: Second.

CHAIRMAN LORENZINI: All in favor?

(Chorus of ayes.)



**APPROVED**

CHAIRMAN LORENZINI: We're adjourned. Good night,  
thank you.

(Whereupon, the public hearing on the above-  
mentioned petition was adjourned at 10:40 p.m.)

### Key issues post first Plan Commission hearing – T-Mobile, 1000 S. Arlington Heights Road

- **Parking spaces:** The Code parking requirement is 16 spaces. Per the parking counts and staff observation, there are significantly more vehicles on site. At the Plan Commission hearing, the petitioner stated that they are working with the property owner to remove vehicles from the site.
- **Landscape screening:** IDOT approval will be required as some landscaping will be located within the IDOT ROW. The applicant would prefer not to locate the landscaping on the property as it would result in a loss of parking space/s.
- **Possible location at Northwest Community Hospital:** This was raised by the Plan Commission at the hearing on May 13, 2015. The T-Mobile RF engineer explained that they could not locate on the hospital building due to it being well outside (approx. 0.60 miles from ring center) of the desired coverage area and they were only give a variance of 0.50 miles from the ring center. In addition, our RF engineer also stated (see attached) that T-Mobile cannot locate at the Hospital as a result of the Hospital being 0.37 miles from another T-Mobile location which would not achieve their desired coverage.
- **Other T-Mobile locations:** The petitioner has provided information regarding other T-Mobile antenna locations and the height at which the antenna is located.
- **Stealth Design:** Staff had asked the petitioner to evaluate and provide a response on whether they would consider a stealth mount application at this location. The petitioner has responded that this was not provided as an option due to the need to increase the tower height to at least 125 feet when using a stealth design in order to adequately accommodate for co-locators.
- **Timing:** The petitioner is claiming the 150 day shot clock requirement. T-Mobile first started the process when they submitted an actual application on March 24, 2015. Therefore, even with continuance and waiting for the petitioner's responses, the process has taken 92 business days.

## Bhide, Latika

---

**From:** Bhide, Latika  
**Sent:** Thursday, July 30, 2015 11:05 AM  
**To:** Bhide, Latika  
**Subject:** FW: Proposed Wireless Tower @ 1000 Arlington Heights Rd.  
**Attachments:** image001.jpg

**From:** Robert Stapleton [REDACTED]  
**Sent:** Monday, June 08, 2015 11:39 AM  
**To:** Ward, Robin  
**Cc:** Brad Shaver; Jonathan Stapleton; Pete Aimaro  
**Subject:** Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Robin,

We previously spoke on the phone about a proposed cell tower at 1000 S. Arlington Heights Road. When we spoke together we raised some concerns concerning what we felt to be unfair treatment and you asked that we provide these instances to you via email.

We felt that there were a couple of main issues that we wanted to bring up to you. First was related to the plan commissions concern related to parking. We have agreed that there were too many vehicles on the property and have been assured by the landowner that he is taking immediate action to remove unnecessary vehicles on the property. We believe that we will be below the required threshold in the near future based on these efforts, however this is one additional item that we wanted to bring up concerning the parking issue which is that we only feel believe there to be a loss of 4 parking spaces which is where the actual tower and compound would go. The plan commission however, believes there to be 8 total parking spaces lost due to our construction easement which originally was being showed as going through 4 parking spaces. This has since been changes to more accurately read "temporary construction access" which will only be used during the building of the location. We'd like to note that this is an unmanned location and is rarely visited by technicians.

The second issue that we'd like to discuss is related to the landscaping requests that have been made of us by the plan commission. They have requested significant amounts of landscaping upgrades, including building parking islands as a condition of our possible approval as well as have asked for us to take it a step further complete landscaping around the perimeter of the parcel which requires us to go through IDOT and receive their requirements as well as future approval. If these requirements are being asked of our landlord then the same should be asked of the operators of the properties on the adjacent corners. We and the landlord has agreed to complete any necessary landscaping requests in an effort to not only make the parcel more presentable but also to receive approval of this cell tower. We have sent updated landscaping plans to our contact, Latika Bhide, on 5/29 but still have not heard back whether our proposed changes are acceptable. We would also like to bring up that we feel we are being subjected to zoning enforcement since we are the only parcel in that vicinity that is being required to adhere to these zoning requirements.

The commission has stated that there is a need for additional wireless services in Arlington Heights and may need a comprehensive review but they stated they cannot proceed with such a review without being asked by the Village Board. We began this process in December and we are now it to the seventh month of this process. Accordingly, the process has exceeded or will be exceeding the 180 day process as defined by the FCC regarding the permitting of new wireless placements. So we need to come to agreement how the process will move forward.

Thank you for your time.

Robert Stapleton, President

## Bhide, Latika

---

**From:** Bhide, Latika  
**Sent:** Thursday, July 30, 2015 11:05 AM  
**To:** Bhide, Latika  
**Subject:** FW: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

**From:** Ward, Robin  
**Sent:** Wednesday, June 17, 2015 3:04 PM  
**To:** Robert Stapleton  
**Cc:** Brad Shaver; Jonathan Stapleton; Pete Aimaro; Perkins, Charles; Enright, Bill; Bhide, Latika  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Bob --

As promised, I have met with Village Staff to discuss your proposed cell tower at 1000 S. Arlington Heights Road.

In your June 8 email, you raised two issues - parking and landscaping. With regard to both, the revised plans you submitted to Latika on May 29 are generally acceptable. We do want to point out, however, that the plans show landscaping on IDOT property. In order for you to put any landscaping on IDOT property, you need written permission from IDOT. In the alternative, you can move the landscaping so that it is not on IDOT's property, which may result in the loss of a parking space. Putting the landscaping on private property would be easier to maintain and eliminate the need to obtain permission, including a perpetual agreement, from IDOT.

You also expressed a belief that you are being treated differently by being required to bring the property into compliance with the Village Code, specifically for landscaping purposes. The Village usually requires non-compliant properties to be brought into compliance when, like you, they are before the Village for zoning approvals.

You expressed concerns about the length of time the process has taken. Your Plan Commission application was submitted on March 24, 2015 and the Plan Commission hearing was scheduled less than 60 days after the submission. The FCC's 150 day clock does not begin to run until a complete application has been received. The Village is still well within the FCC time period.

At the Plan Commission hearing, you stated that Northwest Community Hospital was not interested in letting you put your antenna on their roof. Do you have written documentation from them stating that? Can you also explain, in more detail, why the hospital roof is not a good location?

As to your propagation map, for each site, can you add the height of the tower as well as at what height on each tower the T-Mobile antenna is located?

Finally, have you considered putting up a stealth mount antenna application? If so, can you explain why such an option is not being pursued?

If you let me know when you will be able to get the Village this information, we will let you know what date you can be scheduled to go back to the Plan Commission.



## Bhide, Latika

---

**From:** Bhide, Latika  
**Sent:** Thursday, July 30, 2015 11:06 AM  
**To:** Bhide, Latika  
**Subject:** FW: Proposed Wireless Tower @ 1000 Arlington Heights Rd.  
**Attachments:** CH73218I\_Zoning\_05132015.pptx

**From:** Brad Shaver [REDACTED]  
**Sent:** Tuesday, June 30, 2015 1:02 PM  
**To:** Ward, Robin; Robert Stapleton  
**Cc:** Jonathan Stapleton; Pete Aimaro; Perkins, Charles; Enright, Bill; Bhide, Latika  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Hi Robin,

We are still waiting on one item from T-Mobile related to the tower heights and T-Mobile heights on each of those towers. Once we receive those from T-Mobile we will forward them over to you, however we did want to address your remaining comments beforehand in an effort to keep this project moving.

First, related to the suggestion on whether or not to go through IDOT for landscaping or to take up additional parking spaces to install our landscaping we believe that it would be better to continue to go through IDOT, once conditionally approved by the plan commission since this is allow the parcel to keep as many parking spaces available as possible since this seems to be a very important issue related to our parcel.

Secondly, related to the 150 day shot clock we are under the understanding that the shot clock begins when we first started the process which was on or around December 14, 2014 where we provided initial information to Latika in order to schedule the Plat and Subdivision meeting which we had on January 14, 2015.

Another issue brought up was concerning Northwest Hospital, specifically why we could not place our antennas on their buildings. At the Plan commission meeting this issue was brought up and we explained as did the T-Mobile RF engineer that we could not locate on this building due to it being well outside (approx. 0.60 miles from ring center) of the desired coverage area were we are only give a variance of 0.50 miles from the ring center. In addition, our RF engineer explained on page 4 of the attached the PowerPoint presentation T-Mobile's also cannot location at the Hospital as a result of the Hospital being 0.37 miles from another T-Mobile location which would not achieve their desired coverage.

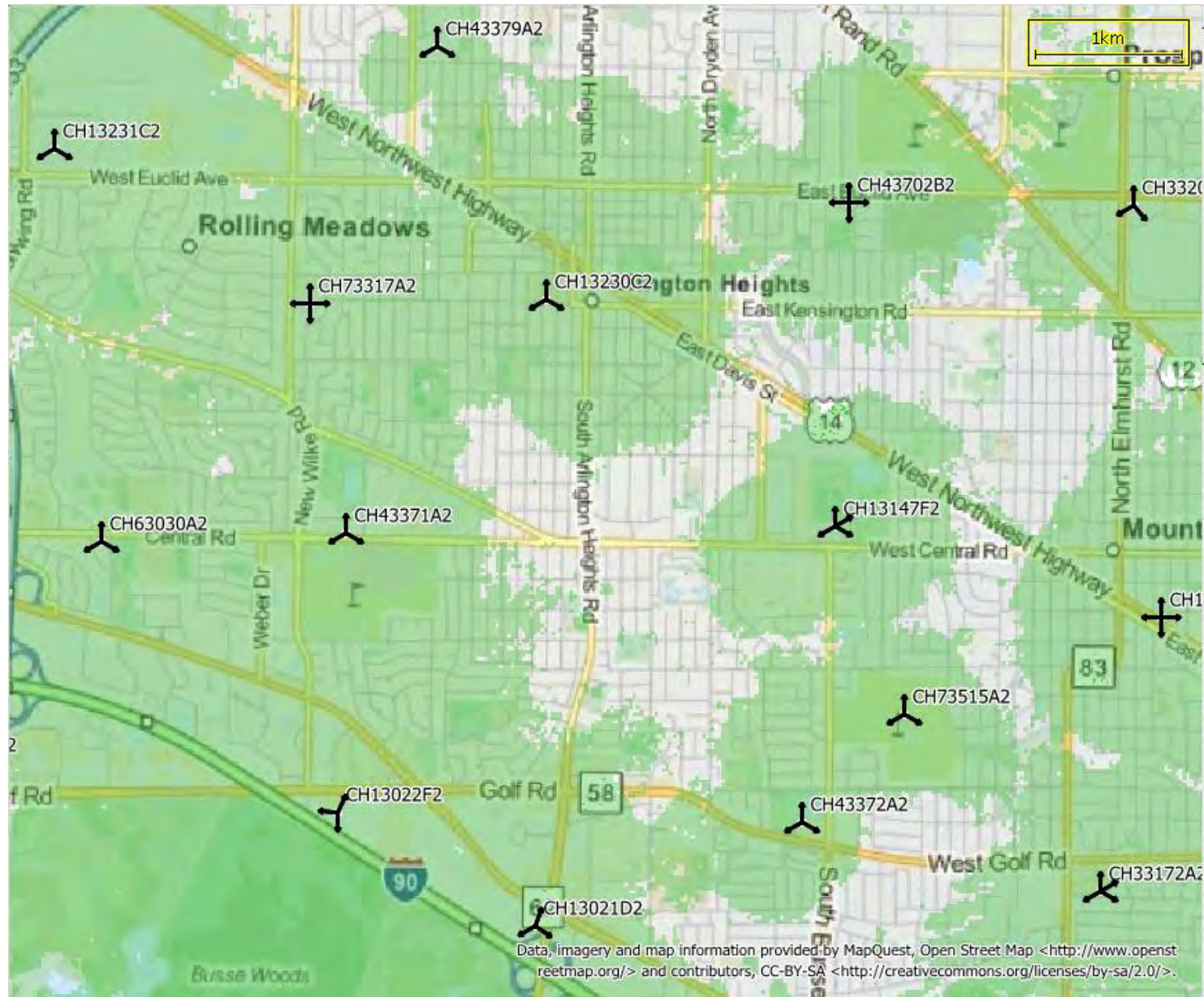
The last item that we wanted to address today concerned the possibility of a stealth design, which was not originally provided as an option due to our need to increase the tower height to at least 125 feet with a stealth design in order to adequately accommodate for co-locators and as a result limit the amount of future towers needed in the community. We did not offer the stealth option from the start since we were already being challenged on our height of 100 feet.

As I mentioned above, we are still attempting to secure the surround T-Mobile tower heights as well as their height on each tower and will send those over to you once they have been received. We believe that aside from that request we have provided answers to each of your previous concerns or questions. If there are items that we missed please let us know so that we can respond to them in a timely manner.

Thanks,

Bradley Shaver

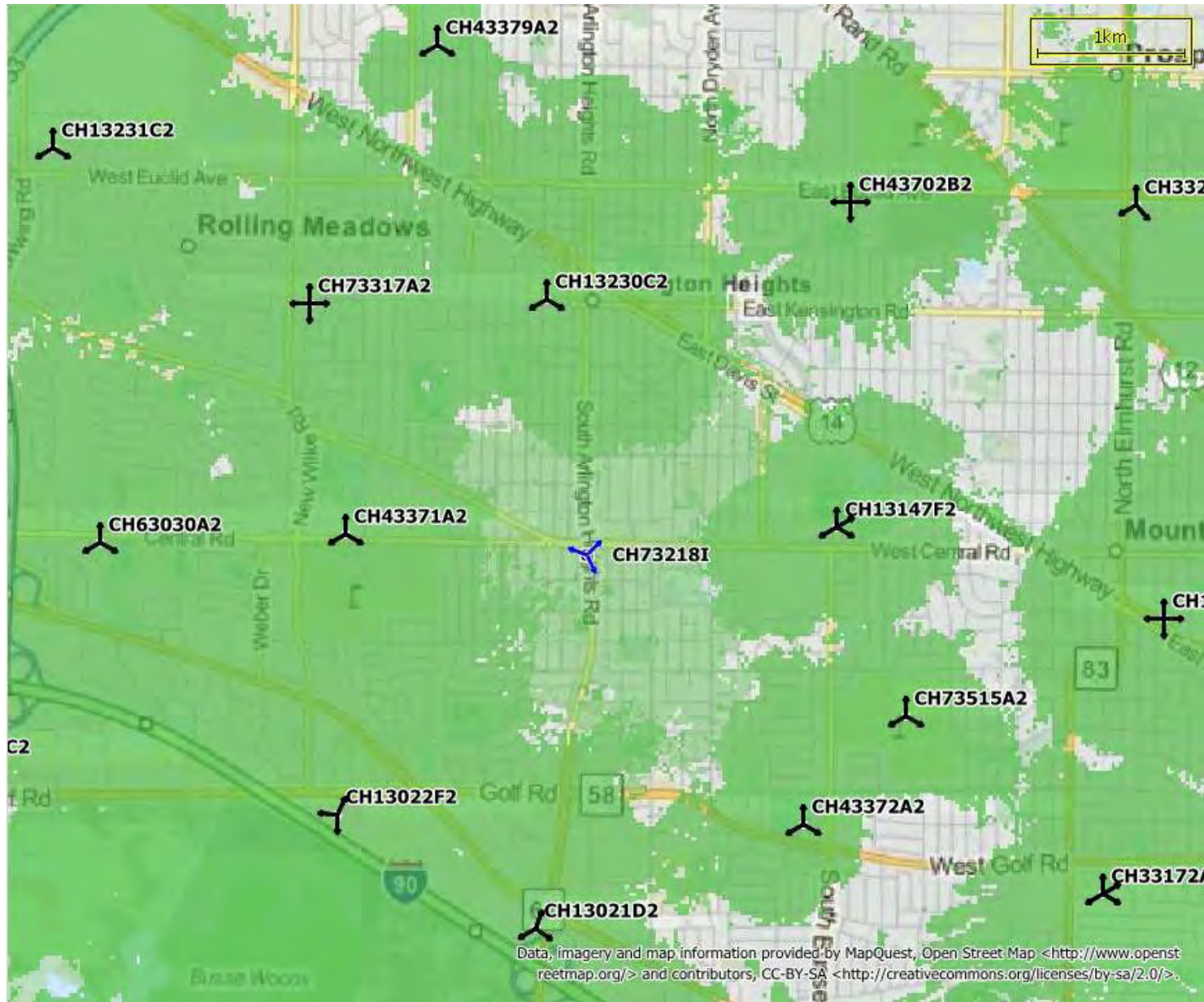
# T-Mobile Existing Coverage



Indoor coverage without New Site

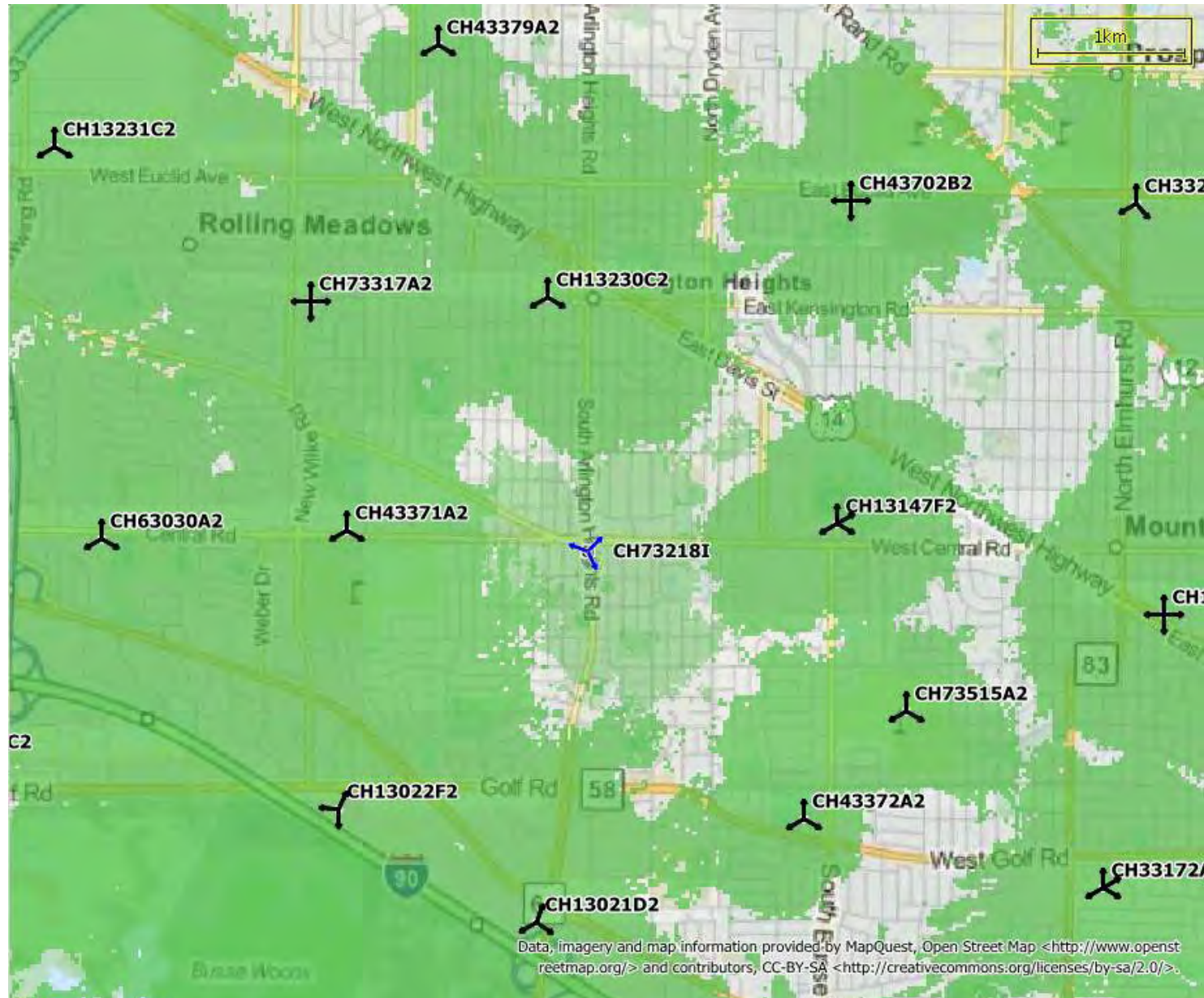


# T-Mobile Proposed Coverage



Indoor coverage with New Site at 100FT

# T-Mobile Proposed Coverage



## **NSD Scope and Existing Co-location options**

The purpose of this search ring is to provide the in-building coverage with in 0.5 mile radius from search ring center located at the intersection of E. Cypress St and S. Pine Ave. There are no existing towers close to search ring center for co-location options and the roof-tops in the area are too short (less than 60ft) to meet the coverage objective. The Build to Suit (BTS) candidate provided is at good location and that can provide better in-building coverage in the desired area, as well as assist in off-loading the T-Mobile on-air sites CH43371A and CH13147F.

Moorings Senior Center is located on east of search ring center and is close to T-Mobile on-air site CH13147F, approx. 0.72 miles, move over the rooftop is less than 60ft and therefore is in-sufficient to fill the coverage gap. T-Mobile already has better coverage at this location and selecting this location will not cover the area on north west of the search ring center.

North-western community hospital at 800 Central Rd is also very close to T-Mobile on-air site CH43371A. Approx. 0.37 miles, therefore can't be considered as viable option.

## Existing Site Locations

| Neighboring Sites | Address                                                            | Structure Type |
|-------------------|--------------------------------------------------------------------|----------------|
| ❖ CH13230C        | 55 South Vail, Arlington Heights, ILLINOIS - 60005                 | Rooftop        |
| CH73317A          | 121 S. Wilke, Arlington Hts., ILLINOIS - 60005                     | Rooftop        |
| CH43379A          | 800 W. Oakton, Arlington Heights, ILLINOIS - 60004                 | Rooftop        |
| CH13231C          | 3400 W EUCLID AVE, ARLINGTON HEIGHTS, ILLINOIS - 60005             | Rooftop        |
| ❖ CH43371A        | 1610 W. Central, Arlington Heights, ILLINOIS - 60005               | Monopole       |
| CH63030A          | 3201 Central Rd, Rolling Meadows, ILLINOIS - 60008                 | Water-Tank     |
| CH13022F          | 1701 W Golf Rd., Rolling Meadows, ILLINOIS - 60008                 | Rooftop        |
| CH13021D          | 2340 S. Arlington Heights Rd., Arlington Heights, ILLINOIS - 60005 | Rooftop        |
| CH43372A          | 1768 Golf Rd., Mount Prospect, ILLINOIS - 60056                    | Monopole       |
| CH33172A          | 720 Dulles Road, Des Plaines, ILLINOIS - 60016                     | Water-Tank     |
| CH73515A          | 600 S. See Gwun Avenue, Mount Prospect, ILLINOIS - 60056           | Monopole       |
| ❖ CH13147F        | 1700 West Central Rd, Mount Prospect, ILLINOIS - 60056             | Monopole       |
| CH43702B          | 1903 E. Euclid, Arlington Heights, ILLINOIS - 60004                | Steeple        |
| CH33209A          | 55 East Euclid, Mount Prospect, ILLINOIS - 60056                   | Rooftop        |
| CH13146A          | 112 NW HWY, Mount Prospect, ILLINOIS - 60056                       | Water-Tank     |

❖ Neighboring sites close to search ring center.

## Used Cases – Stats of recently On-Air sites

T-Mobile is currently building new sites in Chicago market and remarkable increase in traffic is notice in the area with new sites. Apart from the increased in in-building coverage, the voice and data traffic increased for both 3G and 4G technologies.

Area level stats on some of the recently on-air sites are provided below:

- The new site CH92024A is located at 3301 S. Laramie drive, Cicero, IL 60804 and got on-air on 03/31/2015. The 3G voice traffic remain stable, 3G Data traffic increased by 12.13%, 4G - LTE Voice (VoLTE) traffic increased by 16.31% and 4G - LTE Data traffic increased by 11.56%.
- The new site CH92023A is located at 3344 W. Cermak Rd, Chicago, IL 60623 and got on-air on 03/31/2015. The 3G voice traffic increased by 2.99%, 3G data traffic is increased by 16.25%, 4G - LTE Voice (VoLTE) traffic increased by 23.87% and 4G - LTE Data traffic increased by 13.90%.



## Bhide, Latika

---

**From:** Bhide, Latika  
**Sent:** Tuesday, June 30, 2015 5:01 PM  
**To:** Brad Shaver [REDACTED]  
**Cc:** Ward, Robin; Robert Stapleton [REDACTED]; [REDACTED] Pete Aimaro [REDACTED] Perkins, Charles; Enright, Bill  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Good afternoon Mr. Shaver,

Thank you for your email response dated June 30, 2015 to Ms. Robin Ward regarding the Special Use for the T-Mobile Wireless Antenna Tower at 1000 S. Arlington Heights Road.

You indicate in your email, that you are still waiting on information regarding tower heights and the T-Mobile heights on each of these towers. To be scheduled on the July 22, 2015, Plan Commission agenda, we require this information by this coming Thursday (July 2, 2015).

Also, the legal notification requirements to be on the Plan Commission agenda on July 22, 2015, must be completed by this coming Tuesday, July 7, 2015. This includes a mailing a notice to all property owners within 250 feet of the subject property, measured from the property line and excluding any right-of-ways and a Public Hearing Sign that must be posted on private property facing adjacent roadway(s) (i.e. if corner lot, one sign must be provided facing each adjacent roadway). Additionally, staff needs to send the legal notice to the newspaper, which, due to the short week must be sent this Thursday (July 2, 2015).

If you have any questions, please feel free to contact me at (847) 368-5223.

Regards,

Latika Bhide, AICP, LEED Green Associate  
Development Planner  
Village of Arlington Heights  
33 S. Arlington Heights Road  
T: 847.368.5223  
F: 847.368.5988

---

**From:** Brad Shaver [mailto:[REDACTED]]  
**Sent:** Tuesday, June 30, 2015 1:02 PM  
**To:** Ward, Robin; Robert Stapleton  
**Cc:** Jonathan Stapleton; Pete Aimaro; Perkins, Charles; Enright, Bill; Bhide, Latika  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Hi Robin,

We are still waiting on one item from T-Mobile related to the tower heights and T-Mobile heights on each of those towers. Once we receive those from T-Mobile we will forward them over to you, however we did want to address your remaining comments beforehand in an effort to keep this project moving.

First, related to the suggestion on whether or not to go through IDOT for landscaping or to take up additional parking spaces to install our landscaping we believe that it would be better to continue to go through IDOT, once conditionally approved by the plan commission since this is allow the parcel to keep as many parking spaces available as possible since this seems to be a very important issue related to our parcel.



## Bhide, Latika

---

**From:** Brad Shaver [REDACTED]  
**Sent:** Wednesday, July 01, 2015 1:34 PM  
**To:** Bhide, Latika  
**Cc:** Ward, Robin; Robert Stapleton; [REDACTED]; Pete Aimaro; Perkins, Charles; Enright, Bill  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.  
**Attachments:** APC IL1204 - T-Mobile RAD Centers.png

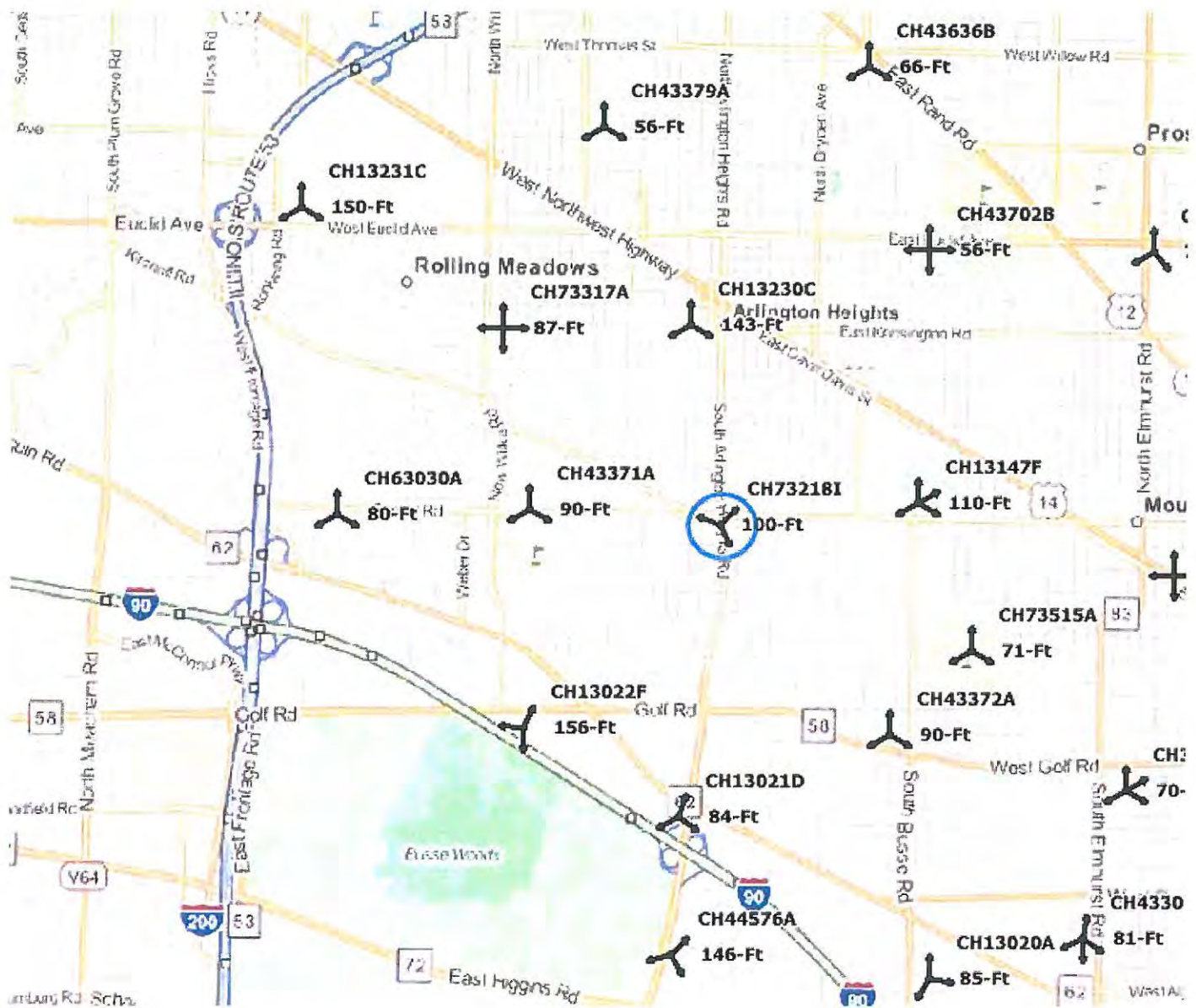
Hi Latika,

Thank you for the additional information below. We did receive a response today from T-Mobile concerning the height of their antennas at the surrounding locations. I have attached a file which shows the information as well as provided it below.

I would like to confirm that with this information we will be on the July 22<sup>nd</sup> hearing as we will post the necessary signs as well as send out all of the public notifications to the same local residents as the last time.

If there is anything else that we need please let me know.

| Node IDENTITY | Latitude    | Longitude   | Height-(Ft) |
|---------------|-------------|-------------|-------------|
| CH13020A      | 42.03095041 | -87.9580146 | 85          |
| CH13021D      | 42.04320399 | -87.984212  | 84          |
| CH13022F      | 42.04990674 | -88.0005561 | 156         |
| CH13146A      | 42.062392   | -87.933354  | 92          |
| CH13147F      | 42.06771501 | -87.96012   | 110         |
| CH13230C      | 42.08136905 | -87.9838866 | 143         |
| CH13231C      | 42.09016496 | -88.0243426 | 150         |
| CH33172A      | 42.04567842 | -87.9381136 | 70          |
| CH33209A      | 42.08746751 | -87.9360242 | 73          |
| CH43301B      | 42.03422484 | -87.942197  | 81          |
| CH43371A      | 42.06694469 | -88.0001259 | 90          |
| CH43372A      | 42.04972259 | -87.9624968 | 90          |
| CH43379A      | 42.09668237 | -87.9931122 | 56          |
| CH43636B      | 42.10157579 | -87.965715  | 66          |
| CH43702B      | 42.08741389 | -87.9592389 | 56          |
| CH44576A      | 42.0325552  | -87.9848022 | 146         |
| CH63030A      | 42.06628888 | -88.0200944 | 80          |
| CH73317A      | 42.080875   | -88.0032472 | 87          |
| CH73515A      | 42.05633055 | -87.95425   | 71          |



Thanks,

Brad

Bradley Shaver

**National Wireless**  
Ventures, LLC.

505 N. Lake Shore Drive, Suite 2109  
Chicago, IL 60611

**From:** Bhide, Latika [mailto:lbhide@vah.com]

**Sent:** Tuesday, June 30, 2015 5:01 PM

**To:** Brad Shaver

**Cc:** Ward, Robin; Robert Stapleton; [REDACTED]; Pete Aimaro; Perkins, Charles; Enright, Bill

**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Good afternoon Mr. Shaver,



## Bhide, Latika

---

**From:** Pete Aimaro [REDACTED] >  
**Sent:** Wednesday, July 22, 2015 10:44 AM  
**To:** Bhide, Latika  
**Subject:** Re: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

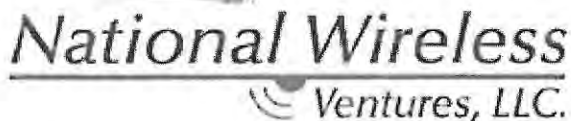
**Importance:** High

Just in case we need it. I added the distances of the neighboring sites to the proposed location.

| Node<br>IDENTITY | Latitude    | Longitude   | Height &<br>Distance |
|------------------|-------------|-------------|----------------------|
| CH13020A         | 42.03095041 | -87.9580146 | 85ft 2.67 mi         |
| CH13021D         | 42.04320399 | -87.984212  | 84ft 1.57 mi         |
| CH13022F         | 42.04990674 | -88.0005561 | 156ft 1.52 mi        |
| CH13146A         | 42.062392   | -87.933354  | 92ft 2.46 mi         |
| CH13147F         | 42.06771501 | -87.96012   | 110ft 1.06 mi        |
| CH13230C         | 42.08136905 | -87.9838866 | 143ft 1.10 mi        |
| CH13231C         | 42.09016496 | -88.0243426 | 150ft 2.81 mi        |
| CH33172A         | 42.04567842 | -87.9381136 | 70ft 2.61 mi         |
| CH33209A         | 42.08746751 | -87.9360242 | 73ft 2.73 mi         |
| CH43301B         | 42.03422484 | -87.942197  | 81ft 2.94 mi         |
| CH43371A         | 42.06694469 | -88.0001259 | 90ft 1.01 mi         |
| CH43372A         | 42.04972259 | -87.9624968 | 90ft 1.45 mi         |
| CH43379A         | 42.09668237 | -87.9931122 | 56ft 2.22 mi         |
| CH43636B         | 42.10157579 | -87.965715  | 66ft 2.58 mi         |
| CH43702B         | 42.08741389 | -87.9592389 | 56ft 1.84 mi         |
| CH44576A         | 42.0325552  | -87.9848022 | 146ft 2.32 mi        |
| CH63030A         | 42.06628888 | -88.0200944 | 80ft 2.04 mi         |
| CH73317A         | 42.080875   | -88.0032472 | 87ft 1.56 mi         |
| CH73515A         | 42.05633055 | -87.95425   | 71ft 1.50 mi         |

Thank You,

Pete Aimaro  
505 N. Lake Shore Drive Suite 2109  
Chicago, IL 60611  
[REDACTED]  
[REDACTED]

  
*National Wireless*  
Ventures, LLC.

---

**From:** Pete Aimaro [REDACTED]  
**Date:** Tuesday, July 21, 2015 3:23 PM  
**To:** "Bhide, Latika" <lbhide@vah.com>  
**Subject:** Re: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Hi Latika,

Here are the following sites you requested info on. Please note that these sites are outside of the search ring T-Mobile provided us.

- CH13020A 1660 Kenneth Dr. Mount Prospect. Lattice Tower. 2.67 miles from proposed.
- CH43301B 1699 Wall St. Mount Prospect. Rooftop. 2.94 miles from proposed.
- CH43636B 1432 E rand Rd. Prospect Heights. Lattice Tower. 2.58 miles from proposed.
- CH44576A 25 NW Point Blvd. Elk Grove Village. Rooftop. 2.32 Miles from proposed.

Thank You,

Pete Aimaro  
505 N. Lake Shore Drive Suite 2109  
Chicago, IL 60611  
[REDACTED]  
[REDACTED]

*National Wireless*  
Ventures, LLC.

---

**From:** <Bhide>, Latika <[lbhide@vah.com](mailto:lbhide@vah.com)>  
**Date:** Wednesday, July 15, 2015 4:40 PM  
**To:** Pete Aimaro [REDACTED]  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Pete,

I was combining the information for the T-Mobile antenna heights at the various nodes and the existing site information,. There are a few sites for which I do not have a street address. Could you please let me know the address and structure type (monopole, roof mounted, etc.) for the following sites:

- CH13020A
- CH43301B
- CH43636B
- CH44576A

Thank you,

Latika Bhide, AICP, LEED Green Associate  
Development Planner  
Village of Arlington Heights  
33 S. Arlington Heights Road  
T: 847.368.5223  
F: 847.368.5988

## Bhide, Latika

---

**From:** Pete Aimaro <[REDACTED]>  
**Sent:** Wednesday, July 15, 2015 11:10 AM  
**To:** Bhide, Latika; Ward, Robin  
**Cc:** Brad Shaver; Mike Stevens; Robert Stapleton  
**Subject:** Re: Proposed Wireless Tower @ 1000 Arlington Heights Rd.  
**Attachments:** IL1204 - Parking - 01.jpg; IL1204 - Parking - 02.jpg; IL1204 - Parking - 03.jpg; IL1204 - Parking - 04.jpg; IL1204 - Parking - 05.jpg; IL1204 - Parking - 06.jpg; IL1204 - Parking - 07.jpg; IL1204 - Parking - 08.jpg; IL1204 - Parking - 09.jpg; IL1204 - Parking - 10.jpg; IL1204 - Parking - 11.jpg

Hi Latika,

I wanted to give you an update on the Auto Tech parking status. We stopped by the property yesterday and did a parking count. We counted a total of 21 cars on the property including employee vehicles. Please see the attached photos from our visit.

Thank You,

Pete Aimaro  
505 N. Lake Shore Drive Suite 2109  
Chicago, IL 60611  
[REDACTED]

  
*National Wireless*  
Ventures, LLC.

---

**From:** <Bhide>, Latika <lathide@vah.com>  
**Date:** Tuesday, July 7, 2015 3:22 PM  
**To:** Pete Aimaro <[REDACTED]>  
**Cc:** Brad Shaver <[REDACTED]>, Mike Stevens <[REDACTED]>  
**Subject:** RE: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Thank you.

---

**From:** Pete Aimaro <[REDACTED]>  
**Sent:** Tuesday, July 07, 2015 3:21 PM  
**To:** Bhide, Latika  
**Cc:** Brad Shaver; Mike Stevens  
**Subject:** Re: Proposed Wireless Tower @ 1000 Arlington Heights Rd.

Latika,

The signs are up. Please see attached photos.

Thank You,

Pete Aimaro  
505 N. Lake Shore Drive Suite 2109  
Chicago, IL 60611  
[REDACTED]

























T-Mobile  
1000 S. Arlington Heights Road  
Prepared by: The Village of Arlington Heights  
Department of Planning & Community Development  
January 2015





THREE BALA EAST, SUITE 502  
BALA CYNWYD, PA 19004

8550 BRYN MAWR AVENUE, SUITE 100  
CHICAGO, ILLINOIS 60631

2675 Pratum Avenue  
Hoffman Estates, Illinois 60192  
PH: (224) 293-6333 FAX: (224) 293-6444  
[www.wtengineering.com](http://www.wtengineering.com)

L. License No.: 184.006042 Exp: 04/30/17

COPYRIGHT © 2015 W-T COMMUNICATION DESIGN GROUP, LLC.

CARISSA WENDT, ARCHITECT  
STATE OF ILLINOIS LICENSE # 001-020898  
EXPIRES: 11/30/16 SIGNED / /  
CORPORATE DESIGN & DEVELOPMENT GROUP, LLC  
MEMBER OF THE W-T FAMILY OF COMPANIES  
DESIGN FIRM LLC. # 184.004313, EXP. 04/30/17

|          |                       |     |   |
|----------|-----------------------|-----|---|
| 01/11/14 | LEASE EXHIBIT         | JL  | A |
| 01/19/14 | REVISED LEASE EXHIBIT | TJM | B |
| 01/23/15 | ZONING DRAWINGS       | JL  | C |
| 02/23/15 | REVISED ZONING DWGS   | RH  | D |
| 05/28/15 | LANDSCAPING DRAWINGS  | JS  | E |

1000 S. ARLINGTON HEIGHTS RD.  
ARLINGTON HEIGHTS, IL 60005

**T-1**

**PLOT SCALE:** 1:1 @ 11"x17"

**COUNTY: COOK COUNTY**

**ISSUED FOR ZONING**

T.B.D.

---

## APPENDIX

|                  |  |  |
|------------------|--|--|
| <b>UTILITIES</b> |  |  |
|------------------|--|--|



## MAP DATA © 2015 GOOGLE





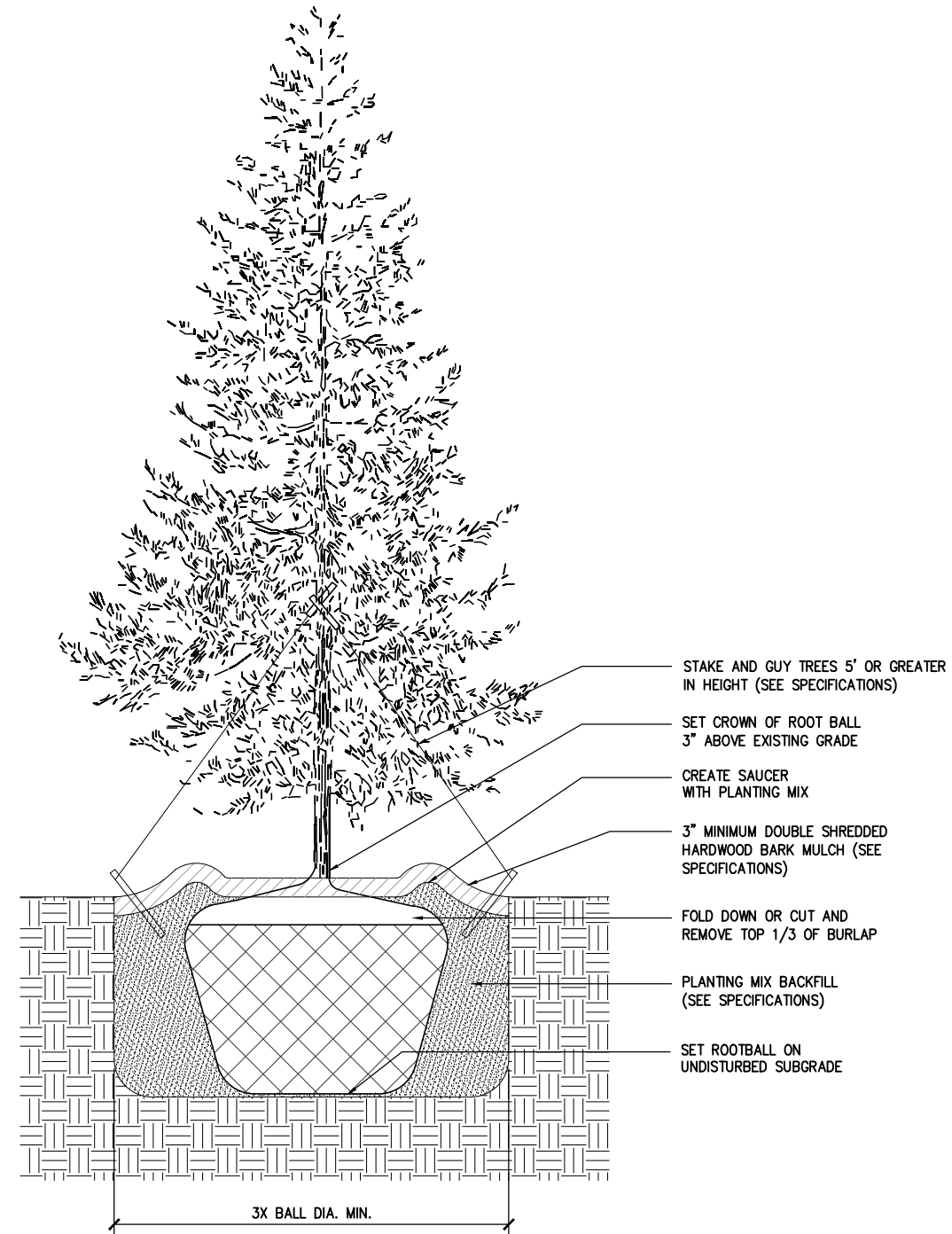


1

**PLOT SCALE:** 1:1 @ 11"x17"



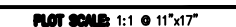
**NOTE:**  
ALL MATERIALS SURROUNDING THE TREE  
ROOT BALL, INCLUDING WIRING, ARE TO BE  
REMOVED PRIOR TO PLANTING OF TREES.



## EVERGREEN DETAIL

**SCALE: NONE**

2





ALL PLACEMENT OF LANDSCAPING SHALL MEET THE FOLLOWING CONDITIONS:

- ### INSTALLATION STANDARDS:

- PLANTING SEASONS:**

1. PLANTS MUST BE PLANTED DURING THE FOLLOWING DATES: APRIL 1ST TO MAY 15TH AND SEPTEMBER 1ST TO OCTOBER 1ST.
2. THE PLANTING PERIODS INDICATED MAY BE EXTENDED DUE TO WEATHER CONDITIONS OR OTHER FACTORS, WHICH MUST BE APPROVED BY THE LANDSCAPE ARCHITECT/ENGINEER.
3. THE CONTRACTOR WILL BE RELIEVED FOR HIS GUARANTEE RESPONSIBILITY SHOULD THE OWNER REQUIRE PLANT MATERIAL INSTALLATIONS TO BE COMPLETED DURING OTHER TIMES THAN THE PLANTING PERIODS INDICATED.

**PLANTING:**

1. ALL SHADE TREES, ORNAMENTAL TREES, EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN HOLES EXCAVATED AT LEAST 3x THE WIDTH OF THE DIAMETER OF THE BALL OR CONTAINER AND DEEP ENOUGH SO THAT THE TOP OF THE BALL OR SOIL IN THE CONTAINER IS AT OR JUST ABOVE EXISTING GRADE.
2. ALL TWINE OR ROPE MUST BE CUT AND REMOVED AND THE BURLAP FOLDED AWAY FROM THE TOP OF THE BALL. THE EXCAVATION MUST BE BACKFILLED WITH THE PLANTING MIXTURE AND WATERED. ANY SETTLEMENT WILL BE FILLED WITH PLANTING MIXTURE.
3. A 4" DEEP SAUCER, SIMILAR TO THE DIAMETER OF THE PLANTING HOLE SHALL BE CREATED USING PLANTING MIX.
4. PLANTING MIX TO CONSIST OF 1/3 TOP SOIL, 1/3 SOIL FROM EXCAVATION, AND 1/3 MUSHROOM COMPOST (OR 1/3 PEAT MOSS).

**CLEAN UP:**

1. ALL DEBRIS GENERATED DURING THE INSTALLATION OF PLANT MATERIALS MUST BE REMOVED FROM THE SITE.
2. ALL PAVEMENTS AND WALKS MUST BE SWEEPED AFTER EACH DAYS WORK. UPON COMPLETION OF THE WORK, ALL PAVEMENTS MUST BE WASHED TO REMOVE ALL MUD OR DIRT.

Diagram illustrating the construction of a tree planting pit. The diagram shows a cross-section of the pit, which is wider at the top and tapers towards the bottom. The pit is filled with planting mix backfill, and the top is covered with a saucer of topsoil. The pit is set into the existing subgrade. The diameter of the pit is indicated as 3X BALL DIA. MIN.

- SET CROWN OF ROOT BALL EQUAL TO EXISTING GRADE.
- CREATE SAUCER WITH TOPSOIL.
- 3" MINIMUM DOUBLE SHREDDED HARDWOOD BARK MULCH. (SEE SPECIFICATIONS)
- FOLD DOWN OR CUT AND REMOVE TOP 1/3 OF BURLAP.
- PLANTING MIX BACKFILL. (SEE SPECIFICATIONS)
- EXISTING SUBGRADE.

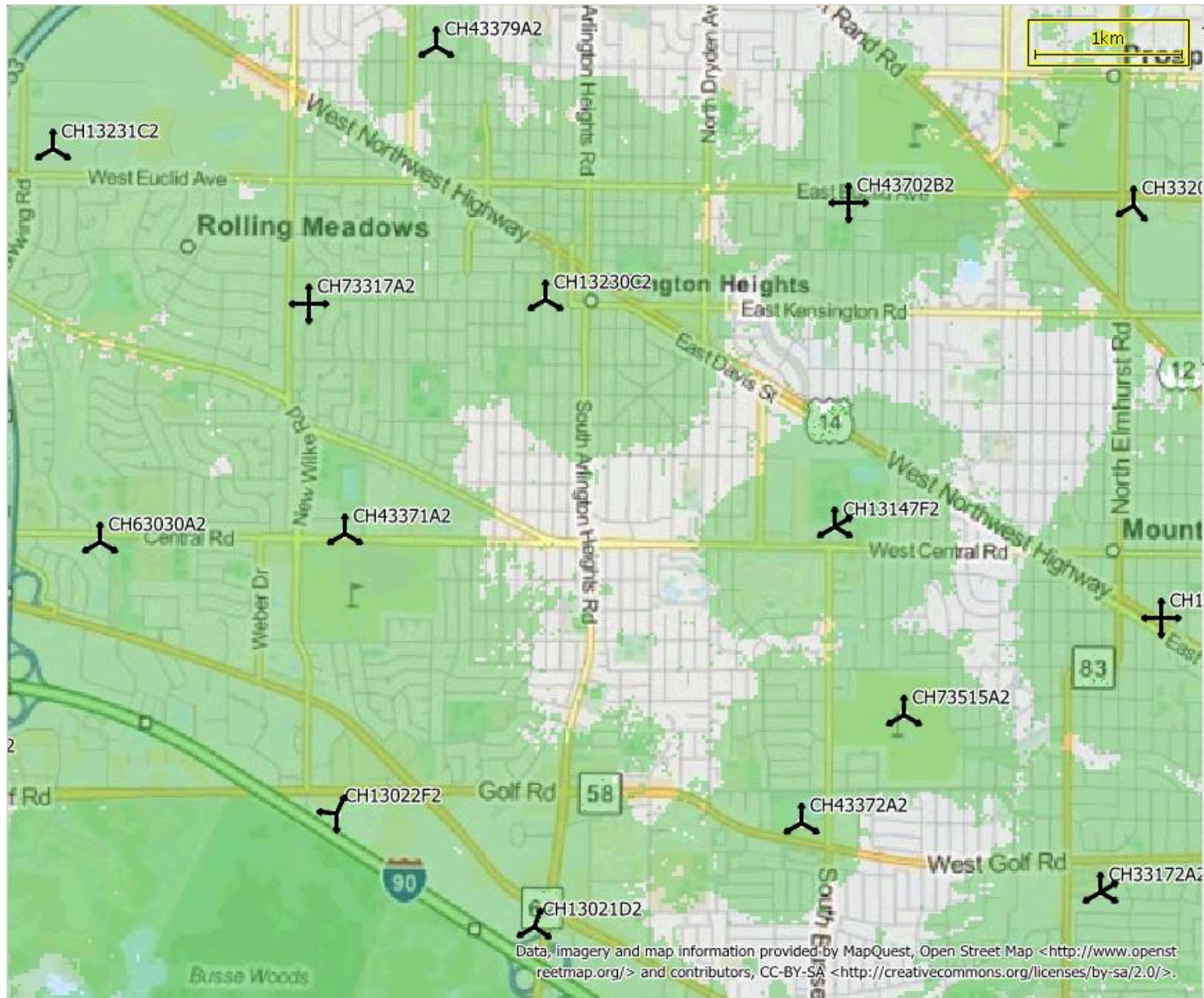
3X BALL DIA. MIN.

**SCALE: NONE**

1

[illegible]

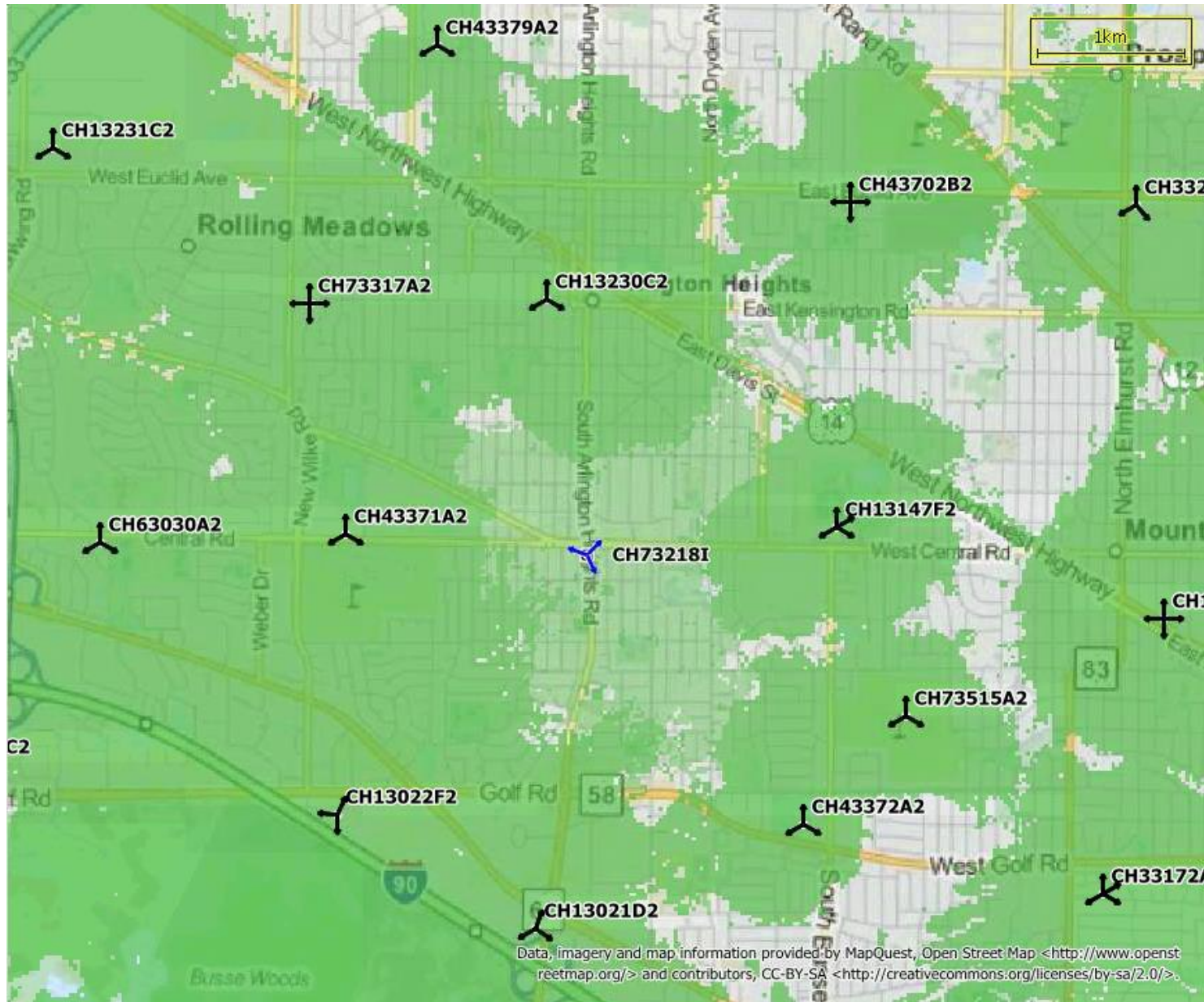
# T-Mobile Existing Coverage



Indoor coverage without New Site

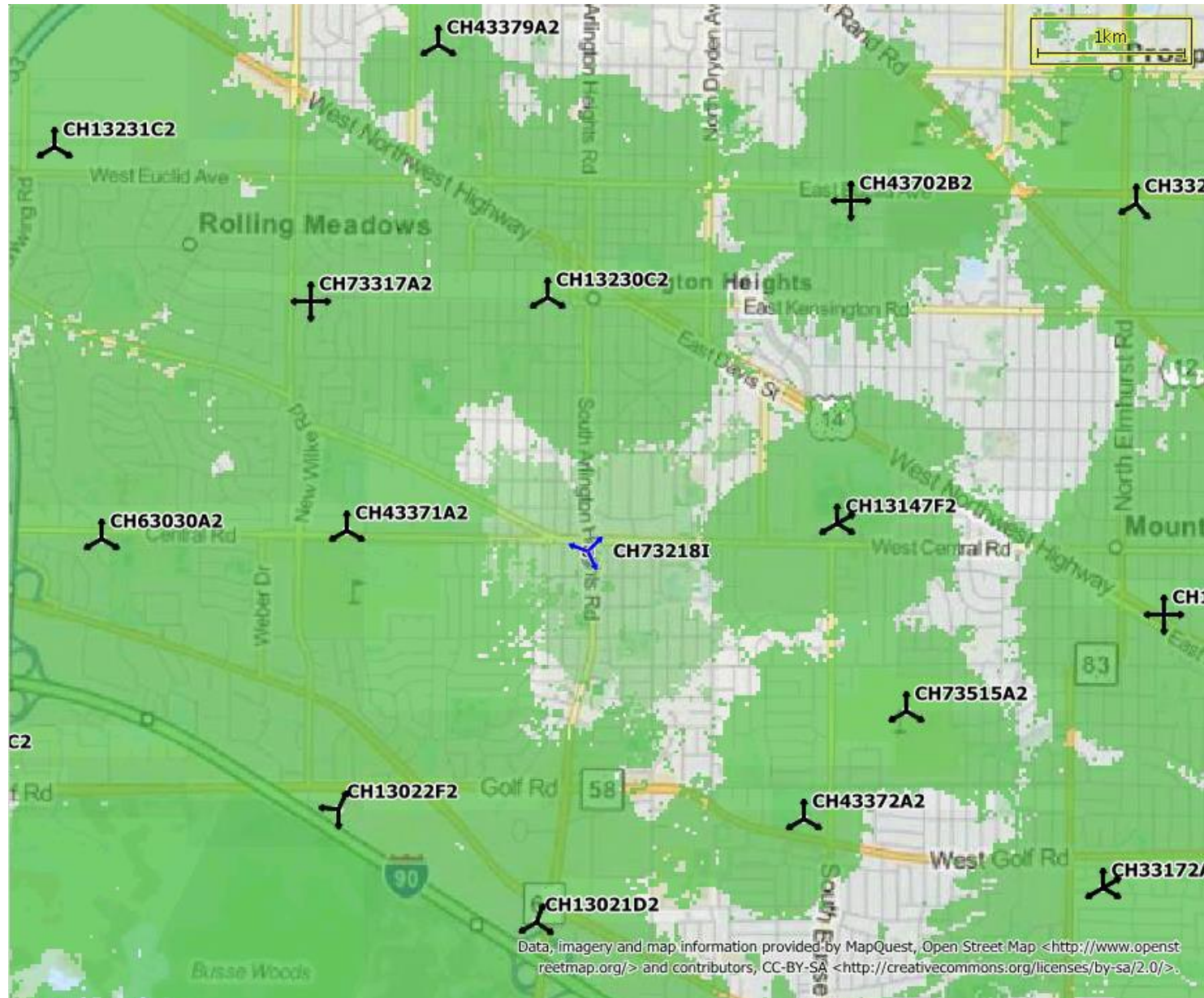


# T-Mobile Proposed Coverage



Indoor coverage with New Site at 100FT

# T-Mobile Proposed Coverage



## **NSD Scope and Existing Co-location options**

The purpose of this search ring is to provide the in-building coverage within 0.5 mile radius from search ring center located at the intersection of E. Cypress St and S. Pine Ave. There are no existing towers close to search ring center for co-location options and the roof-tops in the area are too short (less than 60ft) to meet the coverage objective. The Build to Suit (BTS) candidate provided is at good location and that can provide better in-building coverage in the desired area, as well as assist in off-loading the T-Mobile on-air sites CH43371A and CH13147F.

Moorings Senior Center is located on east of search ring center and is close to T-Mobile on-air site CH13147F, approx. 0.72 miles, move over the rooftop is less than 60ft and therefore is insufficient to fill the coverage gap. T-Mobile already has better coverage at this location and selecting this location will not cover the area on north west of the search ring center.

North-western community hospital at 800 Central Rd is also very close to T-Mobile on-air site CH43371A. Approx. 0.37 miles, therefore can't be considered as viable option.

## Existing Site Locations

| Neighboring Sites | Address                                                            | Structure Type |
|-------------------|--------------------------------------------------------------------|----------------|
| ❖ CH13230C        | 55 South Vail, Arlington Heights, ILLINOIS - 60005                 | Rooftop        |
| CH73317A          | 121 S. Wilke, Arlington Hts., ILLINOIS - 60005                     | Rooftop        |
| CH43379A          | 800 W. Oakton, Arlington Heights, ILLINOIS - 60004                 | Rooftop        |
| CH13231C          | 3400 W EUCLID AVE, ARLINGTON HEIGHTS, ILLINOIS - 60005             | Rooftop        |
| ❖ CH43371A        | 1610 W. Central, Arlington Heights, ILLINOIS - 60005               | Monopole       |
| CH63030A          | 3201 Central Rd, Rolling Meadows, ILLINOIS - 60008                 | Water-Tank     |
| CH13022F          | 1701 W Golf Rd., Rolling Meadows, ILLINOIS - 60008                 | Rooftop        |
| CH13021D          | 2340 S. Arlington Heights Rd., Arlington Heights, ILLINOIS - 60005 | Rooftop        |
| CH43372A          | 1768 Golf Rd., Mount Prospect, ILLINOIS - 60056                    | Monopole       |
| CH33172A          | 720 Dulles Road, Des Plaines, ILLINOIS - 60016                     | Water-Tank     |
| CH73515A          | 600 S. See Gwun Avenue, Mount Prospect, ILLINOIS - 60056           | Monopole       |
| ❖ CH13147F        | 1700 West Central Rd, Mount Prospect, ILLINOIS - 60056             | Monopole       |
| CH43702B          | 1903 E. Euclid, Arlington Heights, ILLINOIS - 60004                | Steeple        |
| CH33209A          | 55 East Euclid, Mount Prospect, ILLINOIS - 60056                   | Rooftop        |
| CH13146A          | 112 NW HWY, Mount Prospect, ILLINOIS - 60056                       | Water-Tank     |

❖ Neighboring sites close to search ring center.



## Used Cases – Stats of recently On-Air sites

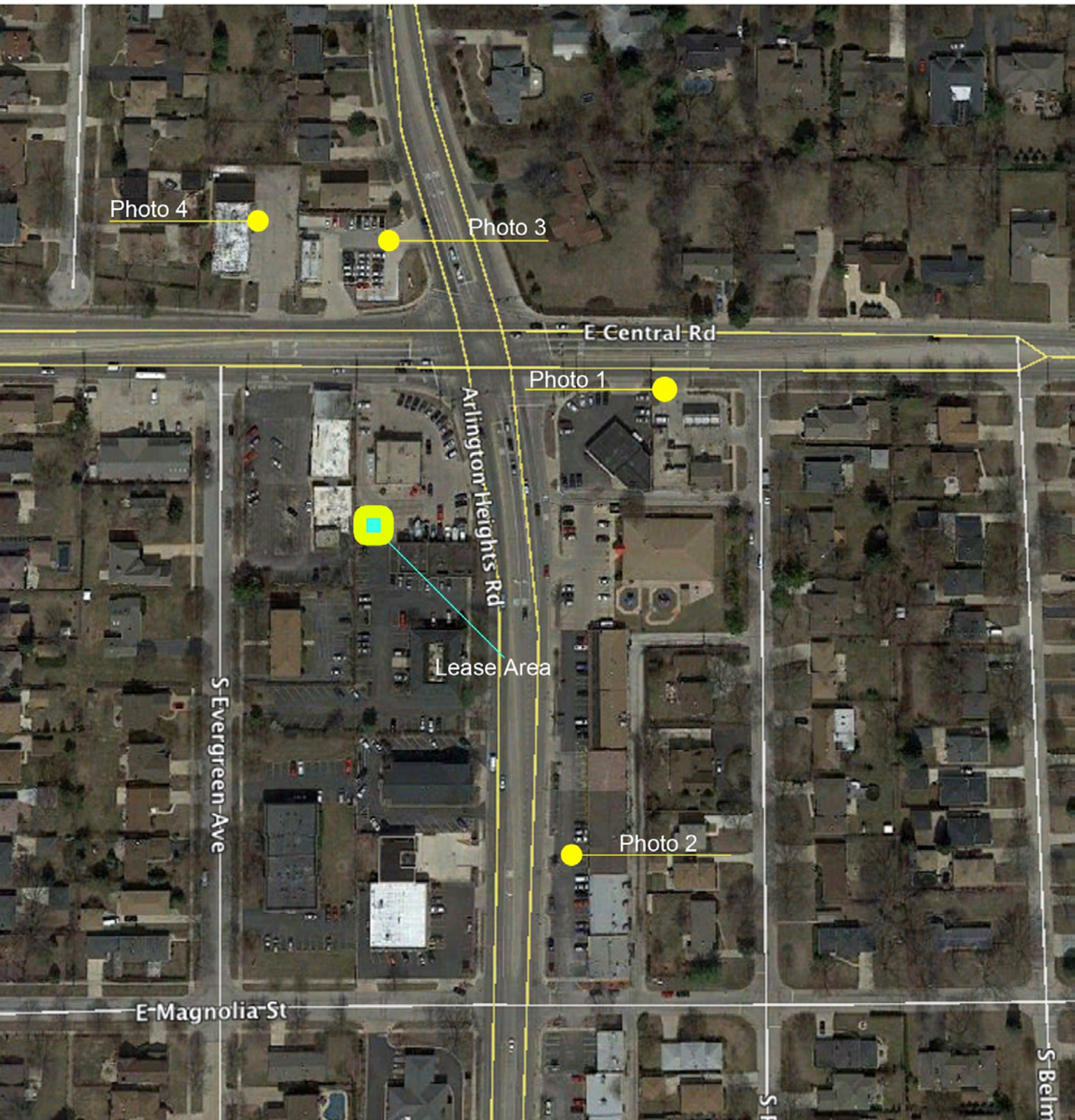
T-Mobile is currently building new sites in Chicago market and remarkable increase in traffic is notice in the area with new sites. Apart from the increased in in-building coverage, the voice and data traffic increased for both 3G and 4G technologies.

Area level stats on some of the recently on-air sites are provided below:

- The new site CH92024A is located at 3301 S. Laramie drive, Cicero, IL 60804 and got on-air on 03/31/2015. The 3G voice traffic remain stable, 3G Data traffic increased by 12.13%, 4G - LTE Voice (VoLTE) traffic increased by 16.31% and 4G - LTE Data traffic increased by 11.56%.
- The new site CH92023A is located at 3344 W. Cermak Rd, Chicago, IL 60623 and got on-air on 03/31/2015. The 3G voice traffic increased by 2.99%, 3G data traffic is increased by 16.25%, 4G - LTE Voice (VoLTE) traffic increased by 23.87% and 4G - LTE Data traffic increased by 13.90%.

# IL1204 - Auto Tech

1000 Arlington Heights Rd. Arlington Heights, IL  
Photo Simulation of Proposed 100' Monopole





APC IL1204 - Before  
View Looking West





APC IL1204 - After  
View Looking West  
100 Ft. Monopole





APC IL1204 - Before  
View Looking North



DISCLAIMER: This photo simulation is an artists depiction of a future installation.



APC IL1204 - After  
View Looking North  
100 Ft. Monopole





APC IL1204 - Before  
View Looking South





APC IL1204 - After  
View Looking South  
100 Ft. Monopole





APC IL1204 - Before  
View Looking South





APC IL1204 - After  
View Looking South  
100 Ft. Monopole



# T-Mobile

**April 7, 2015**

**Village of Arlington Heights**

**Attn: Zoning Board of Appeals/Planning Commission**

**RE: Installation and Operations of a Wireless Communication Facility  
Located at 1000 S. Arlington Heights, IL  
Site ID IL1204**

This letter is to propose that the Village of Arlington Heights approve of a Special Use Permit for cellular antennas on the property at the above address, which is in the B-2 zoning district.

1. The proposed Special Use will not affect the goals and policies of the Comprehensive Plan, but rather will provide enhanced data capacity and wireless infrastructure to the surrounding community.
2. The FCC states that wireless antennas will not be detrimental to or endanger the public health, safety, comfort or general welfare.
3. The proposed site will merge with the existing emergency services network per FCC guidelines. As a result, location based E-911 services will be improved for the surrounding community.
4. The proposed Special Use will use adequate utilities that already exist and will not affect road access, drainage or other necessary facilities.
5. The proposed Special Use will not affect ingress or egress of the property.
6. The proposed use will fit in with the immediate commercial surroundings of the neighborhood and will provide a service needed by residents in that area of the community. This is also shown in the submitted propagation and coverage maps.
7. Since the proposed leased area will be screened with wood fencing, it will not be injurious to the use or enjoyment of other properties in the neighborhood.

Sincerely,

Peter Aimaro  
Project Manager  
National Wireless Ventures, LLC.  
815-409-2740

**RECEIVED**  
APR 07 2015  
PLANNING COMMUNITY  
DEVELOPMENT DEPARTMENT



# BUILDING DEPARTMENT

1

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-003  
 Petitioner: Peter Aimaro  
National Wireless Ventures  
 \_\_\_\_\_  
 Owner: Anthony Discepolo  
2725 W GLENLAKE ST  
CHICAGO, IL 60659  
 Contact Person: Peter Aimaro  
 Address: 828 Grand Blvd. Joliet, IL  
 \_\_\_\_\_  
 Phone #: 815-409-2740  
 Fax #: \_\_\_\_\_  
 E-Mail: paimaro@nwv.me

P.I.N.# 08-09-207-008  
 Location: 1000 S. Arlington heights Rd.  
 Rezoning: \_\_\_\_\_ Current: B-2 Proposed: \_\_\_\_\_  
 Subdivision: \_\_\_\_\_  
 # of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: \_\_\_\_\_  
 Special Use: X For: Wireless Facility  
 Land Use Variation: \_\_\_\_\_ For: \_\_\_\_\_  
 \_\_\_\_\_  
 Land Use: \_\_\_\_\_ Current: Auto Shop  
 Proposed: Cell Tower  
 Site Gross Area: 22,054 SF  
 # of Units Total: \_\_\_\_\_  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line)

DO EXISTING STRUCTURES, IF ANY, MEET MINIMUM REQUIREMENTS OF THE FOLLOWING:

YES      NO

- |    |       |       |                       |
|----|-------|-------|-----------------------|
| 1. | _____ | _____ | VILLAGE BUILDING CODE |
| 2. | _____ | _____ | PRESENT ZONING USE    |
| 3. | _____ | _____ | REQUESTED ZONING USE  |
| 4. | _____ | _____ | SUBDIVISION REQUIRED  |
| 5. | _____ | _____ | SIGN CODE             |

6. GENERAL COMMENTS:

ALL CODES AND ORDINANCES OF THE  
 VILLAGE SHALL BE ADDRESS AT THE  
 PLAN REVIEW STAGE. NOT ENOUGH  
 DETAILED INFORMATION. DP

**RECEIVED**

APR - 1 2015

PLANNING & COMMUNITY  
 DEVELOPMENT DEPARTMENT

Director \_\_\_\_\_

Date \_\_\_\_\_

## BUILDING DEPARTMENT

1A

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-003  
Petitioner: Peter Aimaro  
National Wireless Ventures  
Owner: Anthony Discepolo  
2725 W GLENLAKE ST  
CHICAGO, IL 60659  
Contact Person: Peter Aimaro  
Address: 828 Grand Blvd. Joliet, IL  
Phone #: 815-409-2740  
Fax #: \_\_\_\_\_  
E-Mail: paimaro@nwv.me

P.I.N.# 08-09-207-008  
Location: 1000 S. Arlington Heights Rd.  
Rezoning: \_\_\_\_\_ Current: B-2 Proposed: \_\_\_\_\_  
Subdivision: \_\_\_\_\_  
# of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
PUD: \_\_\_\_\_ For: \_\_\_\_\_  
Special Use: X For: Wireless Facility  
Land Use Variation: \_\_\_\_\_ For: \_\_\_\_\_  
Land Use: \_\_\_\_\_ Current: Auto Shop  
Proposed: Cell Tower  
Site Gross Area: 22,054 SF  
# of Units Total: \_\_\_\_\_  
1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

## INSPECTIONAL SERVICES

NO COMMENTS

RECEIVED

APR - 8 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

Paul BNA  
Director

4/7/15  
Date

## Memorandum

To: Latika Bhide, Planning and Community Development  
From: Cris Papierniak, Assistant Director of Public Works   
Date: April 3, 2015  
Subject: 1000 S. Arlington Heights Road, P.C. #15-003

---

With regard to the proposed preliminary plat of subdivision and variation, I have the following comments:

1. A maintenance agreement should be provided. Often these remote areas are not maintained and become an eyesore after a few years. Maintenance agreement should dictate who will be responsible for maintaining the area.
2. The landscape area needs to be properly defined by curb or retaining wall block so mulch does not wash away. Soil for planting area needs to be properly replaced for health of arborvitae.

Thank you for the opportunity to comment on the plans. If you have any questions, please feel free to contact me.

C: file

LF

RECEIVED

APR - 7 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

## ENGINEERING DEPARTMENT

3

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-003  
 Petitioner: Peter Aimaro  
National Wireless Ventures  
 Owner: Anthony Discepolo  
2725 W GLENLAKE ST  
CHICAGO, IL 60659  
 Contact Person: Peter Aimaro  
 Address: 828 Grand Blvd. Joliet, IL  
 Phone #: 815-409-2740  
 Fax #: \_\_\_\_\_  
 E-Mail: paimaro@nwv.me

P.I.N.# 08-09-207-008  
 Location: 1000 S. Arlington heights Rd.  
 Rezoning: \_\_\_\_\_ Current: B-2 Proposed: \_\_\_\_\_  
 Subdivision: \_\_\_\_\_  
 # of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: \_\_\_\_\_  
 Special Use: X For: Wireless Facility  
 Land Use Variation: \_\_\_\_\_ For: \_\_\_\_\_  
 Land Use: \_\_\_\_\_ Current: Auto Shop  
 Proposed: Cell Tower  
 Site Gross Area: 22,054 SF  
 # of Units Total: \_\_\_\_\_  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

## 1. PUBLIC IMPROVEMENTS

REQUIRED: \_\_\_\_\_ YES NO COMMENTS

## a. Underground Utilities

Water \_\_\_\_\_ X \_\_\_\_\_Sanitary Sewer \_\_\_\_\_ X \_\_\_\_\_Storm Sewer \_\_\_\_\_ X \_\_\_\_\_

## b. Surface Improvement

Pavement \_\_\_\_\_ X \_\_\_\_\_Curb & Gutter \_\_\_\_\_ X \_\_\_\_\_Sidewalks \_\_\_\_\_ X \_\_\_\_\_Street Lighting \_\_\_\_\_ X \_\_\_\_\_

## c. Easements

Utility & Drainage \_\_\_\_\_ X \_\_\_\_\_Access \_\_\_\_\_ X \_\_\_\_\_

## 2. PERMITS REQUIRED OTHER THAN VILLAGE:

a. MWRDGC \_\_\_\_\_

b. IDOT \_\_\_\_\_

c. ARMY CORP \_\_\_\_\_

d. IEPA \_\_\_\_\_

e. CCHD \_\_\_\_\_

## 3. R.O.W. DEDICATIONS? \_\_\_\_\_

## 4. SITE PLAN ACCEPTABLE? \_\_\_\_\_

## 5. PRELIMINARY PLAT ACCEPTABLE? \_\_\_\_\_

## 6. TRAFFIC STUDY ACCEPTABLE? \_\_\_\_\_

## 7. STORM WATER DETENTION REQUIRED? \_\_\_\_\_

## 8. CONTRIBUTION ORDINANCE EXISTING? \_\_\_\_\_

## 9. FLOOD PLAIN OR FLOODWAY EXISTING? \_\_\_\_\_

## 10. WETLAND EXISTING? \_\_\_\_\_

YES NO COMMENTS

\_\_\_\_\_ X \_\_\_\_\_

\_\_\_\_\_ \_\_\_\_\_

\_\_\_\_\_ \_\_\_\_\_

\_\_\_\_\_ \_\_\_\_\_

\_\_\_\_\_ X \_\_\_\_\_\_\_\_\_\_ X \_\_\_\_\_\_\_\_\_\_ X \_\_\_\_\_\_\_\_\_\_ X \_\_\_\_\_

TBD: ENSURE POSITIVE DRAINAGE

N/A

N/A

GENERAL COMMENTS ATTACHED

No further comments at this time.

PLANS PREPARED BY: W-T COMMUNICATIONDATE OF PLANS: 2-23-15

Director

*John J. Mull*

3/30/15

Date

RECEIVED

MAR 31 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT



# Arlington Heights Fire Department Plan Review Sheet

P. C. Number 15 - 003

Project Name National Wireless Ventures for T-Mobile

Project Location 1000 S. Arlington Heights Rd.

Planning Department Contact Latika Bhide

## General Comments

No comments at this time.

**RECEIVED**

APR - 2 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

**NOTE: PLAN IS CONCEPTUAL ONLY  
SUBJECT TO DETAILED PLAN REVIEW**

Date 04/02/15 Reviewed By: LT. Andrew Larson

Arlington Heights Fire Department



# ARLINGTON HEIGHTS POLICE DEPARTMENT

## Community Services Bureau

### DEPARTMENT PLAN REVIEW SUMMARY

**National Wireless Ventures for T-Mobile**  
**1000 S. Arlington Heights Road**  
**Special Use**

#### Round 1 Review Comments

03/26/2015

**1. Character of use:**

The character of use should not be problematic.

**2. Are lighting requirements adequate?**

Lighting should be up to Village of Arlington Heights code.

**3. Present traffic problems?**

There are no traffic problems.

**4. Traffic accidents at particular location?**

This is not a problem area in relation to traffic accidents.

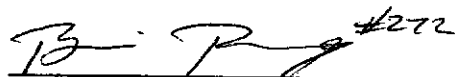
**5. Traffic problems that may be created by the development.**

This development should not create any additional traffic problems.

**6. General comments:**

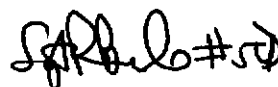
-Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. Emergency contact cards can be filled out at the Village of Arlington Heights website (vah.com). This allows police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.

-Barriers such as fencing, etc should be erected to deter access, theft and trespassing to site after tower is built

 #272

Brandi Romag, Crime Prevention Officer  
Community Services Bureau

Approved by:

 #50

Supervisor's Signature

RECEIVED

APR - 1 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

## HEALTH SERVICES DEPARTMENT

6

## PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-003  
Petitioner: Peter Aimaro  
National Wireless Ventures  
Owner: Anthony Discepolo  
2725 W GLENLAKE ST  
CHICAGO, IL 60659  
Contact Person: Peter Aimaro  
Address: 828 Grand Blvd. Joliet, IL  
Phone #: 815-409-2740  
Fax #: \_\_\_\_\_  
E-Mail: paimaro@nwv.me

P.I.N.# 08-09-207-008  
Location: 1000 S. Arlington heights Rd.  
Rezoning: \_\_\_\_\_ Current: B-2 Proposed: \_\_\_\_\_  
Subdivision: \_\_\_\_\_  
# of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
PUD: \_\_\_\_\_ For: \_\_\_\_\_  
Special Use: X For: Wireless Facility  
Land Use Variation: \_\_\_\_\_ For: \_\_\_\_\_  
Land Use: \_\_\_\_\_ Current: Auto Shop  
Proposed: Cell Tower  
Site Gross Area: 22,054 SF  
# of Units Total: \_\_\_\_\_  
1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

1. GENERAL COMMENTS:

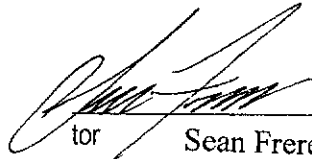
No comments at this time.

RECEIVED

MAR 26 2015

PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT

  
Environmental Health Officer  
Sean Freres, LEHP  
3/26/15 Date

  
tor Sean Freres  
3/26/15 Date

PLANNING & COMMUNITY DEVELOPMENT DEPARTMENT

7

PETITIONER'S APPLICATION - ARLINGTON HEIGHTS PLAN COMMISSION

Petition #: P.C. 15-003  
 Petitioner: Peter Aimaro  
National Wireless Ventures  
 Owner: Anthony Discepolo  
2725 W GLENLAKE ST  
CHICAGO, IL 60659  
 Contact Person: Peter Aimaro  
 Address: 828 Grand Blvd. Joliet, IL  
 Phone #: 815-409-2740  
 Fax #: \_\_\_\_\_  
 E-Mail: paimaro@nwv.me

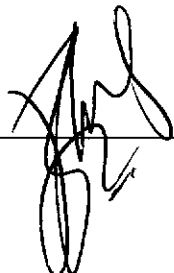
P.I.N.# 08-09-207-008  
 Location: 1000 S. Arlington heights Rd.  
 Rezoning: \_\_\_\_\_ Current: B-2 Proposed: \_\_\_\_\_  
 Subdivision: \_\_\_\_\_  
 # of Lots: \_\_\_\_\_ Current: \_\_\_\_\_ Proposed: \_\_\_\_\_  
 PUD: \_\_\_\_\_ For: \_\_\_\_\_  
 Special Use: X For: Wireless Facility  
 Land Use Variation: \_\_\_\_\_ For: \_\_\_\_\_  
 Land Use: \_\_\_\_\_ Current: Auto Shop  
 Proposed: Cell Tower  
 Site Gross Area: 22,054 SF  
 # of Units Total: \_\_\_\_\_  
 1BR: \_\_\_\_\_ 2BR: \_\_\_\_\_ 3BR: \_\_\_\_\_ 4BR: \_\_\_\_\_

(Petitioner: Please do not write below this line.)

- |    | <u>YES</u> | <u>NO</u> |                                                                 |
|----|------------|-----------|-----------------------------------------------------------------|
| 1. | <u>X</u>   | <u>X</u>  | COMPLIES WITH COMPREHENSIVE PLAN?                               |
| 2. | <u>X</u>   | _____     | COMPLIES WITH THOROUGHFARE PLAN?                                |
| 3. | <u>X</u>   | _____     | VARIATIONS NEEDED FROM ZONING REGULATIONS?<br>(See below.)      |
| 4. | _____      | <u>X</u>  | VARIATIONS NEEDED FROM SUBDIVISION REGULATIONS?<br>(See below.) |
| 5. | _____      | <u>X</u>  | SUBDIVISION REQUIRED?                                           |
| 6. | _____      | <u>X</u>  | SCHOOL/PARK DISTRICT CONTRIBUTIONS REQUIRED?<br>(See below.)    |

Comments:

*Please see attached*

 4/8/15 Date

Planning Department Comments (PL15-003, 1000 S. Arlington Heights Road, Round 1)

7. Owner Signature is required on the Application form.
8. The property is zoned B-2, General Business District. The Plan Commission must review and the Village Board must approve:
  - A Special Use for a Wireless Antenna Tower in the B-2 district.

A written justification has been provided for the special use. However, the justification must specifically address the following special use criteria:

- That said special use is deemed necessary for the public convenience at this location.
- That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.
- That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.

Additionally, the following standards are considered when determining whether approval of an application for a commercial antenna structure is in the public interest:

- The petitioner must demonstrate that there is not technically suitable space available on an existing tower or structure within the geographic area to be serviced.
- A landscaping plan shall be submitted that demonstrates substantial screening of the antenna and related structures from adjacent land uses. Screening must consist of a well-maintained masonry wall of brickwork of stonework, solid wood fence, densely planted compact hedge or berm and hedge.

The Staff Development Committee is not supportive of this Special Use request. The Land Use Goals of the Village's Comprehensive Plan state that "incompatible zoning should be avoided"; a 100 foot tall monopole would be incompatible with the residential uses to the west. Also, as stated in #11 below, based on staff observation at the site, there is not adequate parking available on this site. The loss of 8 parking spaces (4 spaces indicated as striped on the plan and 4 spaces on the south side of the building) would further negatively affect the site.

9. The Plan Commission must review and the Village Board must approve the following variations:
  - Chapter 28, Section 6.13, from the requirement that fences in the side and rear yard not exceed five feet to allow a 6 foot tall fence.

Please provide a written justification for the zoning variation above by responding to the following criteria:

- a. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that zone.
- b. The plight of the owner is due to unique circumstances.
- c. The variation, if granted, will not alter the essential character of the locality.

10. The Building Code Review Board must review and the Village Board must approve the following variation:
  - a. Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole.

Please coordinate with Charles Craig, Assistant Building Official for requirements for the BCRB hearing. The BCRB hearing must be held prior to the Plan Commission hearing.

11. The Code required parking for this site is as follows:

| Use                   | CODE USE                      | SF/<br>Employees/Bays          | PARKING<br>CALC (SF) | PARKING RATIO<br>(1:X) | PARKING<br>REQUIRED |
|-----------------------|-------------------------------|--------------------------------|----------------------|------------------------|---------------------|
| Autotech Repair       | Automobile Service<br>Station | 4 service bays, 4<br>employees | NA                   | 3/bay + 1/Employee     | 16                  |
| <b>Total</b>          |                               |                                |                      |                        | <b>16</b>           |
| <i>Total Provided</i> |                               |                                |                      |                        | <b>23</b>           |
| Surplus / (Deficit)   |                               |                                |                      |                        | <b>7</b>            |

Based on the parking calculation above, the site meets the Code required number of parking spaces on site. However, as stated in #12 below, based on staff observation at the site, the parking at the site is not adequate.

12. Parking counts for the site are required. Parking counts should be provided for peak times on two weekdays and a Saturday. When staff visited the site on April 8, 2015, there were 42 cars, 1 trailer and 2 truck cabs in the parking lot. Several vehicles were tandem parked – 2 cars in depth. The proposed loss of 8 parking spaces (4 spaces indicated as striped on the plan and 4 spaces on the south side of the building) will further negatively affect the site. Also, not all parking spaces are striped.



13. The existing parking does not meet the requirements of the Ordinance for landscaping. The ends of all parking rows must include a landscape island equal in area to one parking space. Provide landscape islands at the ends of all parking rows.

Similarly, all paved service areas abutting a residential district or street or off-street parking areas containing more than four parking spaces, must be effectively screened on each side adjoining or fronting on any property situated in a residence district or any institutional premises or adjoining any public way by a well-maintained wall, fence, densely planted compact hedge designed to provide year round opacity or berm and hedge. Provide a 3' high screen along Central Avenue and Arlington Heights Road.

A landscape plan for the entire site must be provided delineating the required landscaping.

14. The proposed wood fence is 6 foot in height and will need a variation from Chapter 28, Section 6.13, from the requirement that fences in the side and rear yard not exceed five feet.
15. The fence along the west property line is in poor condition. It is recommended that the fence is replaced or repaired.
16. What is the height of the platform/base station for the monopole?



National Wireless Ventures for T-Mobile  
1000 S. Arlington Heights Road  
PC 15-003  
April 8, 2015

**Landscape Issues**

- 1) Indicate the size (at time of planting) of the proposed Mission Arborvitae on sheet LE-2.1.
- 2) Provide a 3' high drought/salt tolerant screen along Central Avenue and Arlington Heights Road in order to buffer the parking lot along the street frontage (Chapter 28, section 6.15-1.2a). Providing a 3 foot high screen may require IDOT's approval for landscaping located in the IDOT right-of-way.
- 3) The ends of all parking rows must include a landscape island, which contains a 4" caliper shade tree (Chapter 28, section 6.16-1.2b). Provide landscape islands at the ends of all parking rows.
- 4) Along the west property line, the existing 6 foot high wood fence is in poor condition. It is recommended that the fence be replaced.

**RECEIVED**

APR - 8 2015

**PLANNING & COMMUNITY  
DEVELOPMENT DEPARTMENT**

## **1. BUILDING**

Comment: All Codes and ordinances of the village shall be addressed at the plan review stage. Not enough detailed information.

Response: Please describe what detailed information is missing so that we can provide.

## **1A. INSPECTIONAL SERVICES**

No comments

## **2. PUBLIC WORKS**

Comment: A maintenance agreement should be provided. Often these remote areas are not maintained and become an eyesore after a few years. Maintenance agreement should dictate who will be responsible for maintaining the area.

Response: We note that this agreement is within the executed lease between the landlord and APC Tower.

Comment: The landscape area needs to be properly defined by curb or retaining wall block so mulch does not wash away. Soil for planting area needs to be properly replaced for health of arborvitae.

Response: This will be addressed within the landscaping portion of the construction drawings.

## **3. ENGINEERING**

No comments

## **4. FIRE DEPARTMENT**

No comments

## **5. POLICE**

Comment: Lighting should be up to Village of Arlington Heights Code.

Response: It is our understanding that no lighting is required.

Comment: Agent contact information must be provided to the Arlington Heights Police Department during all construction phases. Emergency contact cards can be filled out at the Village of Arlington Heights website (vah.com). This allows police department personnel to contact an agent during emergency situations or for suspicious/criminal activity on the property during all hours.

Response: National Wireless Ventures, LLC is the agent and please reach out to Bob Stapleton at 847-833-5448.

Comment: Barriers such as fencing, etc. should be erected to deter access, theft and trespassing to site after tower is built.

Response: This will be adhered to during the construction phase via a temporary fence which will be erected at the end of each construction day.

## **6. HEALTH DEPARTMENT**

No comments

## **7. PLANNING DEPARTMENT**

Comment: Owner Signature is required on the Application form.

Response: This has been completed and provided to Jurisdiction on 4/9/15.

Comment: The property is zoned B-2, General Business District. The Plan Commission must review and the Village Board must approve: A Special Use for a Wireless Antenna Tower in the B-2 district.

Response: We are aware of these needs and have a ZBA Public hearing Scheduled.

Comment: A written justification has been provided for the special use. However, the justification must specifically address the following special use criteria:

Response: See below

a. That said special use is deemed necessary for the public convenience at this location.

The proposed use will fit in with the immediate commercial surroundings of the neighborhood and will provide a service needed by residents in that area of the community. This is also shown in the submitted propagation and coverage maps. The special use is necessary to provide existing and new wireless customers with expanded coverage and data capacity in a constantly growing network. Please refer to the submitted coverage and propagation maps. The proposed site will merge with the existing emergency services network per FCC guidelines. As a result, location based E-911 service will be improved for the surrounding community.

b. That such case will not, under any circumstances of the particular case, be detrimental to the health, safety, morals or general welfare of persons residing or working in the vicinity.

The FCC states that wireless antennas will not be detrimental to or endanger the public health, safety, comfort or general welfare. Approval of this special use would not endanger the health of the community as the facility will operate within the FCC public safety guidelines.

c. That the proposed use will comply with the regulations and conditions specified in this ordinance for such use, and with the stipulations and conditions made a part of the authorization granted by the Village Board of Trustees.

The proposed Special Use will not affect the goals and policies of the Comprehensive Plan, but rather will provide enhanced data capacity and wireless infrastructure to the surrounding community. The proposed facility will operate and comply with the regulations and guidelines set forth by the village specified in the ordinance for this particular use.

Comment: The Plan Commission must review and the Village Board must approve the following variations: Chapter 28, Section 6.13, from the requirement that fences in the side and rear yard not exceed five feet to allow a 6 foot tall fence. Please provide a written justification for the zoning variation.

Response: We will alter the plans to provide a 5 foot instead of the 6 foot tall fence as originally provided.

Comment: The Building Code Review Board must review and the Village Board must approve the following variation: Chapter 23, Section 203, Restrictions, from the requirement that ground base antenna cannot exceed 75 feet above the grade level to allow 100 feet tall monopole. Please coordinate with Charles Craig, Assistant Building Official for requirements for the BCRB hearing. The BCRB hearing must be held prior to the Plan Commission hearing.

Response: BCRB meeting scheduled for 4/30/15.

Comment: The Code required parking for this site is as follows....

Response: We need to confirm how many service bay's but believe that there are only 2 or 3 bays, which would lower the total need.

Comment: Parking counts for the site are required. Parking counts should be provided for peak times on two weekdays and a Saturday. When staff visited the site on April 8, 2015, there were 42 cars, 1 trailer and 2 truck cabs in the parking lot. Several vehicles were tandem parked – 2 cars in depth. The proposed loss of 8 parking spaces (4 spaces indicated as striped on the plan and 4 spaces on the south side of the building) will further negatively affect the site. Also, not all parking spaces are striped.

Response: Parking counts were provided on 4/9/15. Also we only believe that 4 total parking spaces will be lost as the footprint only takes of 4 parking spots.

Comment: The existing parking does not meet the requirements of the Ordinance for landscaping. The ends of all parking rows must include a landscape island equal in area to one parking space. Provide landscape islands at the ends of all parking rows

Response: We believe that if this is the requirement then why hasn't the jurisdiction enforced this code violation in the past. We also believe that this should be taken up with the land owner as this is outside of our lease area and does not pertain to our application related to a cell tower.

Comment: The proposed wood fence is 6 foot in height and will need a variation from Chapter 28, Section 6.13, from the requirement that fences in the side and rear yard not exceed five feet.

Response: We will alter the plans to provide a 5 foot instead of the 6 foot tall fence as originally provided. We will not pursue a variation of Chapter 28 Section 6.13 as a result.

Comment: The fence along the west property line is in poor condition. It is recommended that the fence is replaced or repaired.

Response: We have advised the landlord of this request.  
The height of the base station is 5 foot.

## **7A. PLANNING DEPARTMENT/LANDSCAPING**

Comment: Indicate the size (at time of planting) of the proposed Mission Arborvitae on sheet LE-2.1.

Response: Between 3-5 foot at time of planting.

Comment: Provide a 3' high drought/salt tolerant screen along Central Avenue and Arlington Heights Road in order to buffer the parking lot along the street frontage (Chapter 28, section 6.15-1.2a). Providing a 3 foot high screen may require IDOT's approval for landscaping located in the IDOT right-of-way.

Response: This will be provided assuming that IDOT will approve and we have told by the Jurisdiction not to contact IDOT until we get recommended after the first hearing date.

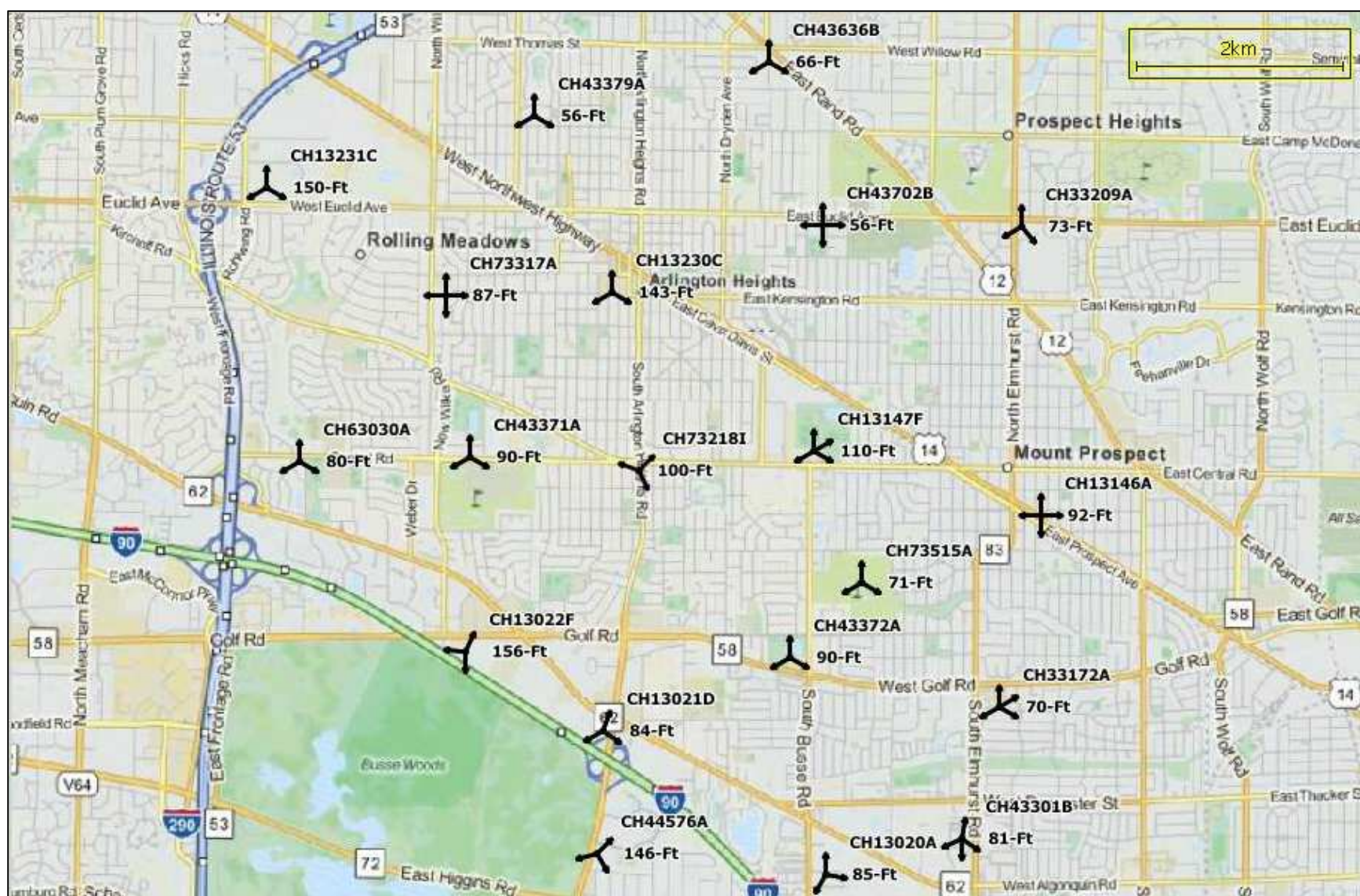
Comment: The ends of all parking rows must include a landscape island, which contains a 4" caliper shade tree (Chapter 28, section 6.16-1.2b). Provide landscape islands at the ends of all parking rows.

Response: We believe that if this is the requirement then why hasn't the Jurisdiction enforced this code violation in the past. We also believe that this should be taken up with the land owner as this is outside of our lease area and does not pertain to our application related to a cell tower.

Comment: Along the west property line, the existing 6 foot high wood fence is in poor condition. It is recommended that the fence be replaced.

Response: We have advised the landlord of this request.





|          |                                                                    |            |        |
|----------|--------------------------------------------------------------------|------------|--------|
| CH13021D | 2340 S. Arlington Heights Rd., Arlington Heights, ILLINOIS - 60005 | Rooftop    | 84 FT  |
| CH13022F | 1701 W Golf Rd., Rolling Meadows, ILLINOIS - 60008                 | Rooftop    | 156 FT |
| CH13146A | 112 NW HWY, Mount Prospect, ILLINOIS - 60056                       | Water-Tank | 92 FT  |
| CH13147F | 1700 West Central Rd, Mount Prospect, ILLINOIS - 60056             | Monopole   | 110 FT |
| CH13230C | 55 South Vail, Arlington Heights, ILLINOIS - 60005                 | Rooftop    | 143 FT |
| CH13231C | 3400 W Euclid Avenue, Arlington Heights, ILLINOIS - 60005          | Rooftop    | 150 FT |
| CH33172A | 720 Dulles Road, Des Plaines, ILLINOIS - 60016                     | Water-Tank | 70 F   |
| CH33209A | 55 East Euclid, Mount Prospect, ILLINOIS - 60056                   | Rooftop    | 73 FT  |
| CH43371A | 1610 W. Central, Arlington Heights, ILLINOIS - 60005               | Monopole   | 90 FT  |
| CH43372A | 1768 Golf Rd., Mount Prospect, ILLINOIS - 60056                    | Monopole   | 90 FT  |
| CH43379A | 800 W. Oakton, Arlington Heights, ILLINOIS - 60004                 | Rooftop    | 56 FT  |
| CH43702B | 1903 E. Euclid, Arlington Heights, ILLINOIS - 60004                | Steeple    | 56 FT  |
| CH63030A | 3201 Central Rd, Rolling Meadows, ILLINOIS - 60008                 | Water-Tank | 80 FT  |
| CH73317A | 121 S. Wilke, Arlington Hts., ILLINOIS - 60005                     | Rooftop    | 87 FT  |
| CH73515A | 600 S. See Gwen Avenue, Mount Prospect, ILLINOIS - 60056           | Monopole   | 71 FT  |

# PLAN COMMISSION PROJECT TIMELINE

---

Project Name: Peter Aimaro, National Wireless Ventures, LLC on behalf of T-Mobile  
PC Number: PC 15-003  
Location: 1000 S. Arlington Heights Road  
Requested Action: A Special Use Permit for a Wireless Antenna Tower

|                                           | Date      | # of Business Days                      |
|-------------------------------------------|-----------|-----------------------------------------|
|                                           |           |                                         |
| Plat and Sub Committee Meeting            | 1-14-2015 |                                         |
| Awaiting Petitioner PC Application        | 3-24-2015 | 48 days                                 |
| PC Application Submittal Date             | 3-24-2015 |                                         |
| 1 <sup>st</sup> Round Department Comments | 4-11-2015 | 14 days                                 |
| Petitioner's Response                     | 4-17-2015 | 5 days                                  |
| PC Hearing* (Continued)                   | 5-13-2015 | 36 days from application date           |
| PC Hearing*                               | 7-22-2015 | 48 days from 1 <sup>st</sup> PC hearing |
| Village Board                             | 8-03-2015 | 7 days                                  |
| Village Board Ordinance Adoption          | 8-17-201  | 10 days                                 |

Note:

\* Legal notice; State Statute requires 15 to 30 days' notice.

Since a variation from Chapter 23 is being requested, the PC hearing was scheduled after the Building Code Review Board hearing on April 30, 2015.



**Item:** BCRB - Proposed Variance for Monopole Height - 1000 S. Arlington Heights Rd.

**Department:** Building & Health Services

### **BACKGROUND**

The Building Code Review Board met on April 30, 2015 for consideration of a request for a variation from the requirements of Section 23-1303(a) of the Arlington Heights Municipal Code to allow the installation of a 100 foot tall monopole antenna. Section 23-1303(a) restricts ground based antennas to a maximum of 75 feet above grade. Section 23-1303(a) states: "No ground based antenna shall exceed 75 feet above grade level (commercial or non-commercial)."

### **RECOMMENDATION**

Mr. Carrato moved, seconded by Trustee Scaletta, that the Building Code Review Board not approve the variance request.

---

### **Bid Section**

Item:  
Bid Opening Date:  
Account Numbers:  
Total Budget for Specific Item:  
Bid Amount:

### **ATTACHMENTS:**

| <b>Description</b>          | <b>Type</b>    |
|-----------------------------|----------------|
| Minutes                     | Minutes        |
| BCRB Application & Petition | Correspondence |

# **DRAFT**

## **BUILDING CODE REVIEW BOARD**

### **MINUTES OF A MEETING BEFORE THE VILLAGE OF ARLINGTON HEIGHTS BUILDING CODE REVIEW BOARD**

**April 30, 2015**

---

#### **MEMBERS PRESENT:**

Carl Baldassarra, Chairman  
Richard Bondarowicz  
John Carrato  
John Scaletta (Trustee)  
Scott Smith

#### **ADMINISTRATION PRESENT:**

James McCalister, Director of Building & Health Services  
Charley Craig, Assistant Building Official  
Patty LeVee, Recording Secretary

#### **OTHERS PRESENT:**

**Peter Aimaro – Petitioner**

---

#### **SUBJECT:**

- **Petitioner, Peter Aimaro, requesting variation from the requirements of Section 23-1303(a) to allow the installation of a 100 foot tall monopole antenna. Section 23-1303(a) restricts ground based antennas to a maximum of 75 feet above grade.**
- 

There being a quorum present, Chairman Baldassarra called the meeting to order at 7:00 PM. All stood for the Pledge of Allegiance.

#### **APPROVAL OF MINUTES**

**TRUSTEE SCALETTA MOVED TO APPROVE THE MINUTES OF THE MAY 8, 2014 MEETING, SECONDED BY MR. BONDAROWICZ, THE MOTION PASSED UNANIMOUSLY.**

#### **OLD BUSINESS**

**Chairman Baldassarra** inquired on what has happened with the Ordinance that was amended on fire alarms. The Board will be forwarded a copy of the letter sent November 24, 2014 regarding the Fire Alarm/Smoke Detection System Requirement.

#### **NEW BUSINESS**

**Chairman Baldassarra** introduced the request for a variance for the antenna at 1000 S. Arlington Heights Road.



**Mr. Aimaro** introduced himself and his Company, National Wireless Ventures, a site acquisition company. They work with all the major cell phone carriers in the Chicagoland area putting up cell towers. T-Mobile is the Company that they are representing today and APC Towers. APC is the tower company; they will be making the initial investment. T-Mobile has entered into an agreement with them; they are going to be the first tenant on the monopole providing it gets built.

Basically, they are asking for 100 feet, aware that 75 feet is the maximum in the Ordinance. Maps were distributed showing T-Mobile coverage and antennas. New site and coverage was pointed out.

**Mr. Aimaro** stated the big reason why they asked for 100 feet is for more marketability for co-location. At 75 feet, they probably would not get any co-locators on there. The carriers that want to co-locate might be forced into building a new tower. You would have two towers coming in as opposed to one.

**Chairman Baldassarra** clarified asking T-Mobile today, but there may be other companies that would take a piece of this? **Mr. Aimaro** said other companies would jump on the antenna. At the start T-Mobile, as first tenants, would get 100 feet, and AT&T for example might want to expand and would get 90 feet and so on. He believes they can fit two to three additional carriers. They are asking for 100 feet so they can market to other carriers and let them know there is room for co-location. He mentioned most carriers want to do that anyway, it is a smaller investment than building a new facility. New facilities are anywhere from \$400,000 to \$500,000.

**Chairman Baldassarra** asked if there was calculation of the percentage covered by 75 foot antenna v. 100 foot antenna, it would be what percent of the 100%? **Mr. Aimaro** did not have those. He said, at 100 feet they are looking to connect with other networks. The 100 feet is really needed to do that, at 75 feet they are not giving the customers full service.

**Chairman Baldassarra** asked if any other sites were considered. **Mr. Aimaro** replied they did, but this was the only viable location that was within their search range. It is approximately a ¼ mile radius. The middle of the search range is on the corner of Arlington Heights and Central. Maximum coverage at 100 feet is there.

**Trustee Scaletta** asked that according to the application, you want 100 feet because you might have future operators that want to join your pole? **Mr. Aimaro** replied, yes, future cell phone companies will want to co-locate.

**Trustee Scaletta** asked, but at 75 feet, you can still operate? **Mr. Aimaro** said they can, they would be operating at half the power, or half the service. They would want to give their customers the full service and at 100 feet, they would be able to do that in terms of connecting to the other sites that are around there. They need the height to connect to the network.

**Trustee Scaletta** stated, the Moorings is within ¼ mile, and the hospital is within ¼ mile. **Mr. Aimaro** said the Moorings was out of their search range, meaning, it could have been rejected by the RF Engineers at T-Mobile. He explained his company makes a recommendation to T-Mobile and suggest that they can go here or there and give them a couple of candidates. RF Engineers then do an analysis and find out where the best site would be for the coverage needs. They make the recommendation; RF comes back with an answer.

**Trustee Scaletta** asked what they said about the Hospital. **Mr. Aimaro** said that one did not come up for them. **Trustee Scaletta** stated that it came up at Plan Commission and a Mr. Stapleton did most of the talking, was he coming tonight? **Mr. Aimaro** stated, no.

**Trustee Scaletta** asked of intentions if they do not receive approval this evening; are they still going with a 75 foot tower. **Mr. Aimaro** replied that is something they will have to report back to the Tower Company and see what they want to do. They will make a business decision on that. He would think they would probably want to still go forward, but could not say for sure.

**Mr. Carrato** said it would have to be a tall tower over at the hospital. **Trustee Scaletta** said if the hospital is 15 floors, aren't you already about the 100 feet and then whatever tower is put up is a 75 foot one on top of the hospital? **Mr. Carrato** thought the 75 feet is from the ground.

**Mr. Craig** commented that antennas can be put on top of the roof. **Mr. Aimaro** stated they can put the antennas on top of the buildings but the tower cannot be on the roof, they need a 20 ft. foundation. He believes the issue was that T-Mobile tried to go there before and the negotiations did not pan out. He thought the rent they wanted was above market, and does not know the specifics of what happened.

**Mr. Smith** asked if 75 feet is typical for the communities in the area. **Mr. Craig** replied it is specific for Arlington Heights for a number of years and not sure of other towns having restricted this or what their restrictions might be.

**Mr. Carrato** asked if we knew what the rationale for this was. **Mr. Craig** did not. **Chairman Baldassarra** said it has been there a long time.

**Mr. Bondarowicz** asked staff to explain where these towers are. Are they strictly in any zoning that is B Zoning? **Mr. Craig** said that would be a zoning issue, but is sure they would be allowed in any business area, industrial, mercantile etc.

**Mr. Bondarowicz** asked, if in particular we do not zone for areas within the community that say you can have power within this area, it just happens to be that this property is Zoned B-2? **Mr. Craig** thought they were prohibited in strictly residential.

**Mr. Bondarowicz** commented that theoretically someone could put another tower right next to this one. **Mr. Craig** said yes, he has seen some locations where they have three or four towers in fairly close proximity.

**Mr. Aimaro** said where you see that, it was probably ten years ago or more, probably late 1990's, early 2000's. Towers were getting put up in communities and jurisdictions did not know what to do as far as writing ordinances for this, this was right when the boom happened with wireless. Before they were making 250' towers and putting them five miles apart from each other. Back then not many had cell phones and now with everyone having all of these devices, they are going shorter and spreading out connecting with the existing networks.

**Chairman Baldassarra** said he has seen these antennas installed on five and six story buildings. Do you mean that those need to be closer together if they are not very tall?

**Mr. Aimaro** said that is right. It depends on who the carrier is; they all use different kinds of technologies. Not being a tech guy, he does not know a lot about the antennas and exactly how they work. **Chairman Baldassarra** commented it would have been useful to have someone here that did.

**Mr. Bondarowicz** commented that on the sheet distributed, LE-3 has a north elevation of the tower with the antenna platform at the top. Aesthetically, it does not look all that bad regardless of the height. Looking at this tower, if it was to be allowed at 100 feet and you have your first platform, hypothetically we have three or four more platforms underneath that. There would be a solid mass of something in the air from 75 feet potentially to 100 feet. **Mr. Aimaro** answered that that tower is most likely, at its fullest, to have three antennas. **Mr. Bondarowicz** asked how tall each of those antenna arrays are? **Mr. Aimaro** thought about 5 feet.

**Mr. McCalister** mentioned that it was stated there would be other carries jumping on too and they would have the same thing.

**Mr. Bondarowicz** inquired about permits. There would be a permit, but not necessarily approval for the aesthetics, it would be for the install.

**Trustee Scaletta** asked what other towers were looked at in the area. **Mr. Aimaro** could not answer. He thought they looked at existing towers but where he comes into this is the leasing and zoning stage. His job is to negotiate the lease with the property owner and handle the permitting process.

**Trustee Scaletta** asked if he looks for and negotiates with other carriers to get on another pole. **Mr. Aimaro** said, yes, sometimes they do if that is where they need to be.

**Trustee Scaletta** asked how he knows if this has been done. **Mr. Aimaro** replied that RF (Engineers) is pretty extensive. They would rather co-locate than to enter into a first time agreement with a tower company. It is a lot more money and they are paying them at the same time to do the permitting and everything else. For them to do a co-location

straight up is easier for them. Most of the time it's a zoning amendment and then a building permit. They want to get these up fast, so if that was the case, they would have done that.

**Trustee Scaletta** asked what if it did not make business sense, like the hospital. **Mr. Aimaro** said it could have been too high a price, we usually don't find that on tower companies. Tower companies want people to co-locate; that is how they make money. They want to be reasonable and develop relationships with the carriers, and are not in the business of turning carriers away. If it was available they would have used it because it is easier, cheaper and faster.

**Trustee Scaletta** asked if there was another carrier in the area that has a different technology that may not have as many towers as T-Mobile. **Mr. Aimaro** did not think so. Referring to pictures provided **Trustee Scaletta** pointed out at least a dozen towers. **Mr. Aimaro** stated those are T-Mobile's antennas.

**Trustee Scaletta** said then he can assume that in the same area there are a dozen AT&T Towers. **Mr. Aimaro** said he can assume, but would find some of that information out. It is also found on [www.antennasearch.com](http://www.antennasearch.com).

**Mr. Craig** stated that the opinion of the Village, as it applies to our amendment, is that this antenna is a straight forward, 75 foot commercial antenna. In looking to a similar case where we generated an objection to the recommendation for a variance, the reason was due to the close proximity of the residential properties. There is a single family home about 249 feet from the tower. That would be the opinion strictly based on the Building Code. It should also be noted that the Planning Department staff meeting on January 14, 2015, resulted in "The Staff Development Committee is not supportive of this Special Use request." Also, the Plat & Subdivision Committee Report of January 14, 2015 resulted in the recommendation as follows; "The Plat & Subdivision Committee said that while they understand the need, they feel that this is not the best location."

**Chairman Baldassarra** asked why this came before this Board if they have recommended negative. **Mr. Craig** replied, because they have the right to see if they can clear the Building Code issue. **Mr. Aimaro** explained he had to have this meeting before they can have a hearing for the Special Use. **Mr. Craig** explained, at this point it hasn't been voted down but has been recommended against.

**Chairman Baldassarra** asked if they were doing anything that would tend to reduce the unsightliness of the 100 foot tall antenna structure. **Mr. Aimaro** said they could flush mount the antennas, but the problem with that is if they flush mount them they are talking off half of the potential antennas, they would not be able to fit everything on. They have done that in some instances, they don't like to do it because again they would not be providing the full service to the customers. It gets pricier the more stealth you go with these.

**Mr. Aimaro** added that with landlines being decommissioned in the next couple of years, they did get a number from Cook County that said only 8% of people are on landline currently in all of Cook County and in the next couple of years landline will be completely decommissioned. AT&T has 2% a day come off the landline. **Mr. Bondarowicz** said that was probably 8% of total usage of phones, including cell phones, etc. **Mr. Aimaro** said that either way the landline will be decommissioned shortly and FCC wants these towers to go up in a timely manner. They are pushing to get these done, as it does tie into emergency services. That is a big issue right now.

**Mr. Carrato** stated that in his opinion, he has not heard justification for a variance.

**MR. CARRATO MOVED THAT THE BUILDING CODE REVIEW BOARD NOT APPROVE THE VARIANCE. SECONDED BY TRUSTEE SCALETTA, THE MOTION CARRIED.**

The meeting adjourned at 7:40pm.





VILLAGE OF ARLINGTON HEIGHTS  
DEPARTMENT OF BUILDING & HEALTH SERVICES  
33 S. Arlington Heights Rd.  
Arlington Heights, IL 60005  
Phone (847) 368-5560  
Fax (847) 368-5975  
Website: www.vah.com

## BUILDING CODE REVIEW BOARD APPLICATION AND PETITION

### LOCATION OF PROPOSED PROJECT:

Address: 1000 S. Arlington Heights Rd.  
Arlington Heights, IL

### PETITIONER:

Name: Peter Aimaro  
Address: 828 Grand Blvd. E-mail: paimaro@nww.me  
City: Joliet State: IL Zip Code: 60436  
Daytime Phone: 815-409-2740 Fax Number: N/A

### PROPERTY OWNER (if different from Petitioner):

Name: Anthony Discepolo  
Address: 2725 W. Glenlake St. E-mail: N/A  
City: Chicago State: IL Zip Code: 60659  
Daytime Phone: 773-213-7175 Fax Number: N/A

### REQUEST:

Variation from Section 23-203a. of Chapter 23 of the Arlington Heights Municipal Code.

### BRIEF DESCRIPTION OF VARIANCE REQUEST:

With regards to Section 23-203a; This variance request is for the permission to construct a 100' monopole on a B-2 zoned property.

We are requesting a 100' tower because we build towers for co-location which helps eliminate the need for additional towers in the surrounding area for other carriers. This height will allow the co-location of two additional carriers thus eliminating additional towers in the area.

### SUBMITTAL REQUIREMENTS:

The following information must be provided with this application:

- ☒ \$110 Application Fee (Non-Refundable).
- ☒ 14 sets of drawings and all supporting documentation. All drawings must be folded into 11" by 17" and collated into sets.

The Building Code Review Board may recommend that variations be granted from provisions of the Building Code in cases where the applicant for such variation demonstrates practical difficulty and particular hardship. No variation may be granted without review and final action by the Village Board.

Now comes the Petitioner Peter Aimaro requesting a variation from  
Section 23-203a. of Chapter 23 of the Arlington Heights Municipal Code for the following reason:  
To install a wireless facility with a 100' monopole on a B-2 zoned property.  
We are asking for an additional 25' above the maximum 75' in the village municipal code.

I hereby state that the following hardship would exist if the variance is not approved:

At 75' the proposed tower would accommodate less carriers for future co-location. At 100' the monopole is more  
marketable to future carriers, lessening the need for said future carriers to build new facilities.

At 100' feet we can get 2 additional carriers on the monopole.

I understand that any recommendation from the Building Code Review Board for a variation is subject to review and final action by the Village Board.

\_\_\_\_\_  
Petitioner's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Petitioner's Printed Name

\_\_\_\_\_  
Owner's (if different from Petitioner) Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner's Printed Name

The Building Code Review Board may recommend that variations be granted from provisions of the Building Code in cases where the applicant for such variation demonstrates practical difficulty and particular hardship. No variation may be granted without review and final action by the Village Board.

Now comes the Petitioner Peter Aimaro requesting a variation from  
Section 23-203a of Chapter 23 of the Arlington Heights Municipal Code for the following reason:  
To install a wireless facility with a 100' monopole on a B-2 zoned property.

I hereby state that the following hardship would exist if the variance is not approved:  
At 75' the proposed tower would accommodate less carriers for future co-location. At 100' the monopole is more marketable to future carriers, lessening the need for said future carriers to build new facilities.

I understand that any recommendation from the Building Code Review Board for a variation is subject to review and final action by the Village Board.



Petitioner's Signature

4-9-15

Date

Peter Aimaro

Petitioner's Printed Name



Owner's (if different from Petitioner) Signature

Apr 9th / 2015

Date

ANTHONY DISARCOLO

Owner's Printed Name



**Item:** Closed Session

**Department:** Village Manager's Office

Request for Closed Session per 5 ILCS 120/2(c)(21): Discussion of minutes lawfully closed, whether for purposes of approval of the minutes or the semi-annual review of the minutes

---

### **Bid Section**

Item:

Bid Opening Date:

Account Numbers:

Total Budget for Specific Item:

Bid Amount: