

ZONING COMMITTEE STAFF REPORT

1. **FILE NAME:** Verizon Wireless (1160 Grand Avenue) **FILE #** 14-088-188
2. **APPLICANT:** Verizon Wireless **HEARING DATE:** March 13, 2014
3. **TYPE OF APPLICATION:** Conditional Use Permit
4. **LOCATION:** 1160 Grand Ave, SW corner at Dunlap
5. **PIN & LEGAL DESCRIPTION:** 032823410037, Manson And Simontons Addition Lot 1 Blk 3
6. **PLANNING DISTRICT:** 16 **PRESENT ZONING:** RM2
7. **ZONING CODE REFERENCE:** §65.310; §61.501
8. **STAFF REPORT DATE:** March 6, 2014 **BY:** Jamie Radel
9. **DATE RECEIVED:** January 16, 2014 **60-DAY DEADLINE FOR ACTION:** April 14, 2014

- A. **PURPOSE:** Conditional use permit for cellular antennas and associated equipment on a residential structure less than sixty (60) feet high
- B. **PARCEL SIZE:** 9,000 square feet
- C. **EXISTING LAND USE:** Multi-family residential
- D. **SURROUNDING LAND USE:**
 - North: Commercial/business
 - East: Commercial/retail
 - South: Single-family residential
 - West: Multifamily residential
- E. **ZONING CODE CITATION:** §65.310 provides standards and conditions for the installation of antenna and cellular telephone uses; §61.501 lists general conditions that must be met by all conditional uses.
- F. **HISTORY/DISCUSSION:** No zoning history.
- G. **DISTRICT COUNCIL RECOMMENDATION:** District Council 16 does not support this CUP application.
- H. **FINDINGS:**
 - 1. The applicant, Verizon Wireless, seeks to install six (6) cell antennas within a 10.5-foot (width) x 10.5-foot (length) x 11.0-foot (height) enclosure on the roof of the 2.5-story, 28-foot (to the top of the parapet), multifamily residential structure at 1160 Grand Avenue. As proposed, the new rooftop structure would be placed 20 feet from the front of the building and 14 feet from both sides. The enclosure would be covered in materials that look similar to the exterior of the existing residential structure and is designed so that the applicant could add additional antenna within the enclosure without additional visual impact to the building. The associated operating equipment would be located in the basement of the building with two cooling units in the rear yard. In December 2009, the Department of Safety and Inspections issued a Determination of Similar Use statement that broadband data service is substantially similar in character to traditional cellular telephone service.
 - 2. §65.310 defines "cellular telephone antenna," requires a conditional use permit for cellular telephone antennas on a residential structure less than 60 feet high, and lists standards and conditions with which they must comply. Conditions (a), (b), (c), (d), (h) and (i) apply:
 - a) *In residential districts, a conditional use permit is required for cellular telephone antennas on a residential structure less than sixty (60) feet high. In residential, traditional neighborhood and business districts, a conditional use permit is required for cellular telephone antennas on a freestanding pole, except for existing utility poles. In residential and traditional neighborhood districts, existing utility poles to which cellular telephone antennas are attached shall be at least sixty (60) feet high.* This condition is met. An application for a conditional use permit has been made for a wireless communication antenna on a residential structure less than 60 feet high.

- b) *In residential, traditional neighborhood, and OS--B3 and B5 business districts, the antennas shall not extend more than fifteen (15) feet above the structural height of the structure to which they are attached. In B4 Business and Industrial Districts, the antennas shall not extend more than forty (40) feet above the structural height of the structure to which they are attached. This condition is met. The antenna will be less than 15-feet high above the roof of the structure.*
 - c) *For antennas proposed to be located on a residential structure less than sixty (60) feet high in residential districts, or on a new freestanding pole in residential, traditional neighborhood, and business districts, the applicant shall demonstrate that the proposed antennas cannot be accommodated on an existing freestanding pole, an existing residential structure at least sixty (60) feet high, an existing institutional use structure, or a business building within one-half (1/2) mile radius of the proposed antennas due to one (1) or more of the following reasons:*
 - i. *The planned equipment would exceed the structural capacity of the existing pole or structure.*
 - ii. *The planned equipment would cause interference with other existing or planned equipment on the pole or structure.*
 - iii. *The planned equipment cannot be accommodated at a height necessary to function reasonably. This condition is met. The applicant has provided a map showing buildings within one half mile of the proposed antenna site, and explained why the proposed antenna cannot be accommodated on existing structures in the area.*
 - iv. *The owner of the existing pole, structure or building is unwilling to co-locate an antenna. This condition is met. The applicant has provided a map showing buildings within one-half mile of the proposed antenna site, and explained why the proposed antenna cannot be accommodated on existing structures in the area.*
 - d) *In residential, traditional neighborhood and business districts, cellular telephone antennas to be located on a new freestanding pole are subject to the following standards and conditions: The proposed antenna is not a freestanding design.*
 - e) *Transmitting, receiving and switching equipment shall be housed within an existing structure whenever possible. If a new equipment building is necessary, it shall be permitted and regulated as an accessory building, section 63.500, and screened from view by landscaping where appropriate. This condition is met. The applicant is proposing to house the equipment cabinets in the basement of the building. Two cooling units will be placed in the rear yard of the property.*
 - f) *Cellular telephone antennas that are no longer used for cellular telephone service shall be removed within one (1) year of nonuse. This condition is met. The applicant has agreed to abide by this condition.*
2. §61.501 lists five standards that all conditional uses must satisfy:
- a) *The extent, location and intensity of the use will be in substantial compliance with the Saint Paul Comprehensive Plan and any applicable subarea plans which were approved by the city council. This condition is met. The Comprehensive Plan refers to the importance of ensuring investments in local and regional infrastructure supportive of economic development.*
 - b) *The use will provide adequate ingress and egress to minimize traffic congestion in the public streets. This condition is met as it is not applicable to this project.*
 - c) *The use will not be detrimental to the existing character of the development in the immediate neighborhood or endanger the public health, safety and general welfare. This condition is met subject to the condition that the antenna enclosure shall be placed a minimum of 40 feet from the front and back of the building and placed a minimum of 12 feet from the sides of the building. While the proposed structure is well within the 50-foot height limit for structures in the RM2 district, moving the antenna enclosure to the central*

portion of the roof this will decrease the visibility of the enclosure and while keeping it behind the existing chimneys on the southern portion of the roof.

- d) *The use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.* This condition is met. The use will not impede the development or improvement of surrounding properties.
- e) *The use shall, in all other respects, conform to the applicable regulations of the district in which it is located.* This condition is met. The construction, operation and maintenance of the antenna will conform to all applicable district regulations.

I. STAFF RECOMMENDATION: Based on the above findings, staff recommends approval of the conditional use permit for cellular antennas and associated equipment within an enclosure on a residential structure less than sixty (60) feet high subject to the following additional condition(s):

1. The antenna enclosure shall be placed a minimum of 40 feet from the front and back of the building and minimum of 12 feet from the sides of the building.
2. The antenna enclosure shall be clad in materials that look similar to those on the residential structure below.
3. Antennas that are no longer used for cellular phone or data services shall be removed within one (1) year of nonuse.
4. The antenna enclosure shall be removed from the rooftop at the same time as the last antenna.

**CONDITIONAL USE PERMIT APPLICATION***Department of Planning and Economic Development***Zoning Section**

1400 City Hall Annex
25 West Fourth Street
Saint Paul, MN 55102-1634
(651) 266-6589

Zoning office use onlyFile # 14-088188

Fee:

Tentative Hearing Date:2-13-14PD = 16# 032823410037**APPLICANT**

Name Eddie Buell on behalf of Verizon Wireless
Address 1360 Energy Park Drive, Suite 210
City St. Paul St. MN Zip 55108 Daytime Phone 651-361-8113
Name of Owner (if different) 1160 Grand LLC (agent of owner is Brian Pergament)
Contact Person (if different) _____ Phone _____

PROPERTY LOCATION

Address / Location 1160 Grand Ave, St. Paul, MN 55105
Legal Description Lot 1, Block 3, Manson & Simonton's Addition to St. Paul,
Ramsey County, Minnesota Current Zoning RM 2
(attach additional sheet if necessary)

TYPE OF PERMIT: Application is hereby made for a Conditional Use Permit under provisions of
Chapter 65, Section 310, Paragraph a of the Zoning Code.

SUPPORTING INFORMATION: Explain how the use will meet all of the applicable standards and conditions.
If you are requesting modification of any special conditions or standards for a conditional use, explain why
the modification is needed and how it meets the requirements for modification of special conditions in
Section 61.502 of the Zoning Code. Attach additional sheets if necessary.

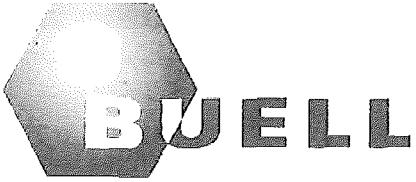
Please see attached sheet

c1L
22130
800

Required site plan is attached

Applicant's Signature E. BuellDate 1/13/14City Agent pdc

13-14



March 4, 2014

Buell Consulting, Inc.
1360 Energy Park Drive, Suite 210
Saint Paul, Minnesota 55108
(651) 225-0792
www.buellconsulting.com

Site Acquisition
Permitting
Established 1991

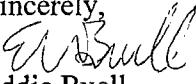
City of Saint Paul
25 West 4th Street, Suite 1400
Saint Paul, MN 55102
Attn: Planning & Economic Development

RE: Project Description for Placement of Antennas Inside Penthouse on Rooftop

Verizon Wireless Site Name: MIN McAllister
Site Address: 1160 Grand Ave, Saint Paul, MN 55105
Property Index Number: 03.28.23.41.0037

Verizon Wireless is proposing to place antennas on a rooftop located at the above referenced property. The proposed antennas will be placed in a penthouse structure that is designed with radio-frequency friendly material to hide the antennas from view whilst looking like part of the original building structure. The antennas will fill a void in wireless services caused by a lack of capacity to handle the increasing data usage of Verizon consumers. This high traffic area along Grand Avenue will benefit from additional capacity and increase the strength of 4G wireless services. Verizon is proposing to place six (6) antennas, six (6) remote radio head units, and one (1) raycap surge protector box inside the penthouse on the roof with twelve (12) lines of coax and one (1) hybrid cable running from the roof into the basement equipment room of the building. The penthouse is designed to accommodate additional antennas and related equipment in order to expand the site's capacity as demand for service in the area increases in the future. The cables will run on the outside of the building with a conduit to shield them. On the ground in the rear of the building is the location of a proposed condensing unit to help cool the equipment located inside the basement equipment room.

Verizon's interest in the property stems from a lease between the deed holder of the property, 1160 Grand, LLC, and Verizon Wireless. The lease will commence on the date which Verizon begins to install equipment on the premises. The lease is divided into five (5) terms each lasting five (years) for a total of twenty-five (25) years. Verizon's ability to use the premises is contingent upon its obtaining all of the certificates, permits, and other approvals that may be required by an Federal, State or Local authorities. Please let me know if you require any further documentation in order to complete your review of the proposed scope of work. Thank you.

Sincerely,

Eddie Buell
Buell Consulting, Inc.
On Behalf of Verizon Wireless
P: (651) 361-8113
ebuell@buellconsulting.com

Explanation of Meeting Code Requirements

Sec. 65.310. – Antenna, cellular telephone. Paragraph (c).

- a. There are no existing free standing poles within one-half (1/2) mile radius of the proposed antennas.
- b. There are no residential structures over sixty (60) feet in height within one-half (1/2) mile radius of the proposed antennas.
- c. There are no business buildings within one-half (1/2) mile radius of the proposed antennas that can accommodate the necessary height required to function properly.
- d. There are no institutional buildings within one-half (1/2) mile radius of the proposed antennas, with owners who are willing to allow co-location of antennas, that can accommodate the necessary height required to function properly.

Sec. 65.310. – Antenna, cellular telephone. Paragraph (h).

- a. Transmitting, receiving and switching equipment will be housed in the basement of the existing building to which the antennas are attached.

Sec. 66.221. – Principal uses.

- Table 66.221, principal uses in residential districts, shows Antenna, cellular phone under Public Services and Utilities as a P/C use in the RM2 District.

Sec. 66.231. – Density and dimensional standards table

- Table 66.231, residential district dimensional standards, shows RM2 height maximum as fifty (50) feet. This installation will not increase the height of the structure and the antennas height will be thirty-eight (38) feet above ground. The current chimneys on the structure are forty-four (44) feet and eleven (11) inches above the ground.



Map Legend

- ★ - 1160 Grand Ave Apartment – Subject parcel property
- - One-half (1/2) mile radius of the proposed antennas.
- A – Mount Zion Temple – LL unwilling to allow antennas on structure
- B – Saint Thomas More Catholic Church – LL unwilling to lease space at desired height
- C – Oxford Hill Condominiums – Homeowner's Association unwilling to agree to terms
- D – Saint Paul Academy and Summit School – LL unwilling to come to lease terms, lack of indoor space for equipment
- E – Saint George Greek Orthodox Church – Building did not have adequate roof top space or required height
- F – Single residential homes
- G – Single residential homes
- H – Single residential homes
- I – Single residential homes
- J – Single residential homes
- K – Single residential homes
- L – Single residential homes
- M – Single residential homes
- N – Single residential homes
- O – Single residential homes

VERIZON

WIRELESS

VERIZON WIRELESS DEPARTMENTAL APPROVALS

	NAME	DATE
RF ENGINEER	APPROVED	11-SEPT-2013
OPERATIONS MANAGER		
CONSTRUCTION ENGINEER	APPROVED	18-SEPT-2013
CONSTRUCTION MANAGER		
REAL ESTATE MANAGER		

LESSOR / LICENSOR APPROVAL

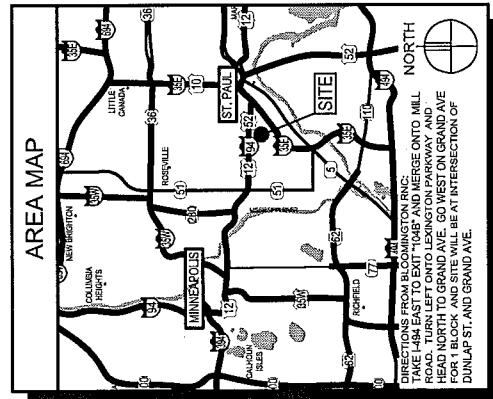
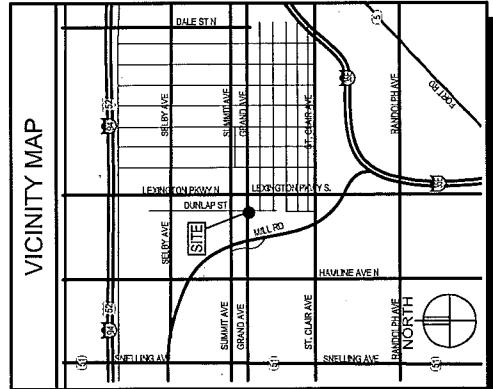
SIGNATURE	PRINTED NAME	DATE
BRIAN P.		10/01/13
LESSOR / LICENSOR: PLEASE CHECK THE APPROPRIATE BOX BELOW		
<input checked="" type="checkbox"/> NO CHANGES.	<input type="checkbox"/> CHANGES NEEDED. SEE COMMENTS ON PLANS.	

PROJECT INFORMATION

SITE NAME:	MINC MCALLISTER
PROJECT NUMBER:	20130877458
SITE ADDRESS:	GRAND AVE ST. PAUL, MN 55105
COUNTY:	RAMSEY
LATITUDE:	N45°58'22.45"
LONGITUDE:	W93°08'57.08"
GROUND ELEVATION:	926.8' AMSL
ANTENNA TIP HEIGHT:	984.8' AMSL - 38'-0" AGL
ANTENNA TIP HEIGHT:	985.25' AMSL - 38'-3" AGL
ANTENNA CENTERLINE HEIGHT:	980.8' AMSL - 34' AGL
BUILDING HEIGHT	154.8' AMSL - 28' AGL
OVERALL STRUCTURE HEIGHT:	971.7' AMSL - 44'-11" AGL
DRAWING BASED ON:	TELE UTILITY COMPANY CONTACT:
SITE DATA FORM DATE:	06/13/13
COPC/PCN:	ST. PAUL, MN 55105
BUILDING TYPE:	EDEN PRAIRIE, LLC.
SITE AREA:	132 S.F.
ROOF LOAD:	LIVELOAD = 105 PSF PROVIDED
PARKING:	ESTIMATED COAX RUN:
	"X" COAX RUN = N/A.
	"Y" COAX RUN = N/A
	"Z" COAX RUN = N/A

GENERAL NOTES

- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications, and/or specified form, the General Contractor shall be liable for all damage, re-inspection fees, and corrective actions related to its acts.
- The following general notes and safety drawings and general notes shall be observed and or specified.
- The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of MINNESOTA and the city of ST. PAUL.
- Requirements and regulations pertaining to G.F., safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawing or the specifications.
- Compare field conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for identification prior to fabrication or approval by the Architect. No information or details on these sheets may be used without the permission of the owner or the architect.
- Do not scale drawings. 11" x 17" drawings to scale 24" x 36" drawing scale multiply by 2
- Unless otherwise shown or noted, typical details shall be used where applicable.
- Details shall be considered typical if similar conditions.
- Safety measures: The contractor shall be safely and completely responsible for the conditions of the job site, including safety of the personnel and property and for independent engineering reviews of those conditions. The Architect's or Engineers' job site review is not intended to include review of the adequacy of the contractor's safety measures.
- Within these plans and specifications, "Owner" implies VERIZON WIRELESS.
- The word "the" responsibility of the general contractor unless noted otherwise.
- The terms "Contractor" and "Job" refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to install exterior equipment to roof-top antennas and supporting interior and exterior equipment to improve communication service in the St. Paul, MN area.
- The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.



SHEET INDEX

SHEET	SHEET DESCRIPTION
T-1	PROJECT INFORMATION, MAPS, DIRECTIONS, AND SHEET INDEX
A-1	SITE PLAN
A-2	ROOF PLAN
A-2.1	FLOOR PLAN AND EQUIPMENT LAYOUT PLAN
A-3	AINS ONE-LINE DIAGRAM, ANTENNA KEY AND COAX KEY
A-4	EXTERIOR ELEVATION AND SECTION
A-4.1	EXTERIOR ELEVATION AND SECTION
A-5	MISCELLANEOUS DETAILS
A-6	OUTLINE SPECIFICATIONS
G-1-G2	GROUNDING NOTES, GROUNDING PLANS AND LEAD IDENTIFICATION
E-1 & E-8	SECTION, ELEVATIONS, LIGHTING, CABLE DIAGRAM, AND GENERAL NOTES
S-S4	SECTION, DETAILS, AND GENERAL NOTES
SURVEY	SURVEY

DESIGN A

ROBERT L. DAVIS, AIA
ARCHITECT
1000 BUSH LAKE ROAD
EDEN PRAIRIE, MN 55344
(612) 480-2699

NOT FOR
CONSTRUCTION

VERIZON WIRELESS

10001 BUSH LAKE ROAD
EDEN PRAIRIE, MN 55344
(612) 752-4020

PROJECT
20130877458

MINC

MCALLISTER

PERGOLA MANAGEMENT LLC
201 WESTERN AVE. N.
ST. PAUL, MN 55102
651.602.8150

VERIZON WIRELESS
10001 BUSH LAKE ROAD
EDEN PRAIRIE, MN 55344
MIKE COSAR (612) 722-5030

XCEL ENERGY
414 NICOLET MALL
MINNEAPOLIS, MN 55401
1-800-628-2121

GENEUTRIC
200 SOUTH 5TH STREET
MINNEAPOLIS, MN 55402
612.332.8592

DESIGN 1 OF EDEN PRAIRIE, LLC.
EDEN PRAIRIE, MN 55344
(612) 324-9289

ULTEIG ENGINEERS
5201 E. RIVER ROAD, SUITE 308
MINNEAPOLIS, MN 55421
(763) 571-2500

ULTEIG ENGINEERS
5201 E. RIVER ROAD, SUITE 308
MINNEAPOLIS, MN 55421
(763) 571-2500

STRUCTURAL
ENGINEER:
TBD

GEOTECHNICAL
ENGINEER:
TBD

GENERAL NOTES

1. In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications, and/or specified form, the General Contractor shall be liable for all damage, re-inspection fees, and corrective actions related to its acts.

2. The following general notes and safety drawings and general notes shall be observed and or specified.

3. The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of MINNESOTA and the city of ST. PAUL.

4. Requirements and regulations pertaining to G.F., safety codes and practices must be incorporated in the work even though they may not be listed individually and separately in either the drawing or the specifications.

5. Compare field conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for identification prior to fabrication or approval by the Architect. No information or details on these sheets may be used without the permission of the owner or the architect.

6. Do not scale drawings. 11" x 17" drawings to scale 24" x 36" drawing scale multiply by 2

7. Unless otherwise shown or noted, typical details shall be used where applicable.

8. Details shall be considered typical if similar conditions.

9. Safety measures: The contractor shall be safely and completely responsible for the conditions of the job site, including safety of the personnel and property and for independent engineering reviews of those conditions. The Architect's or Engineers' job site review is not intended to include review of the adequacy of the contractor's safety measures.

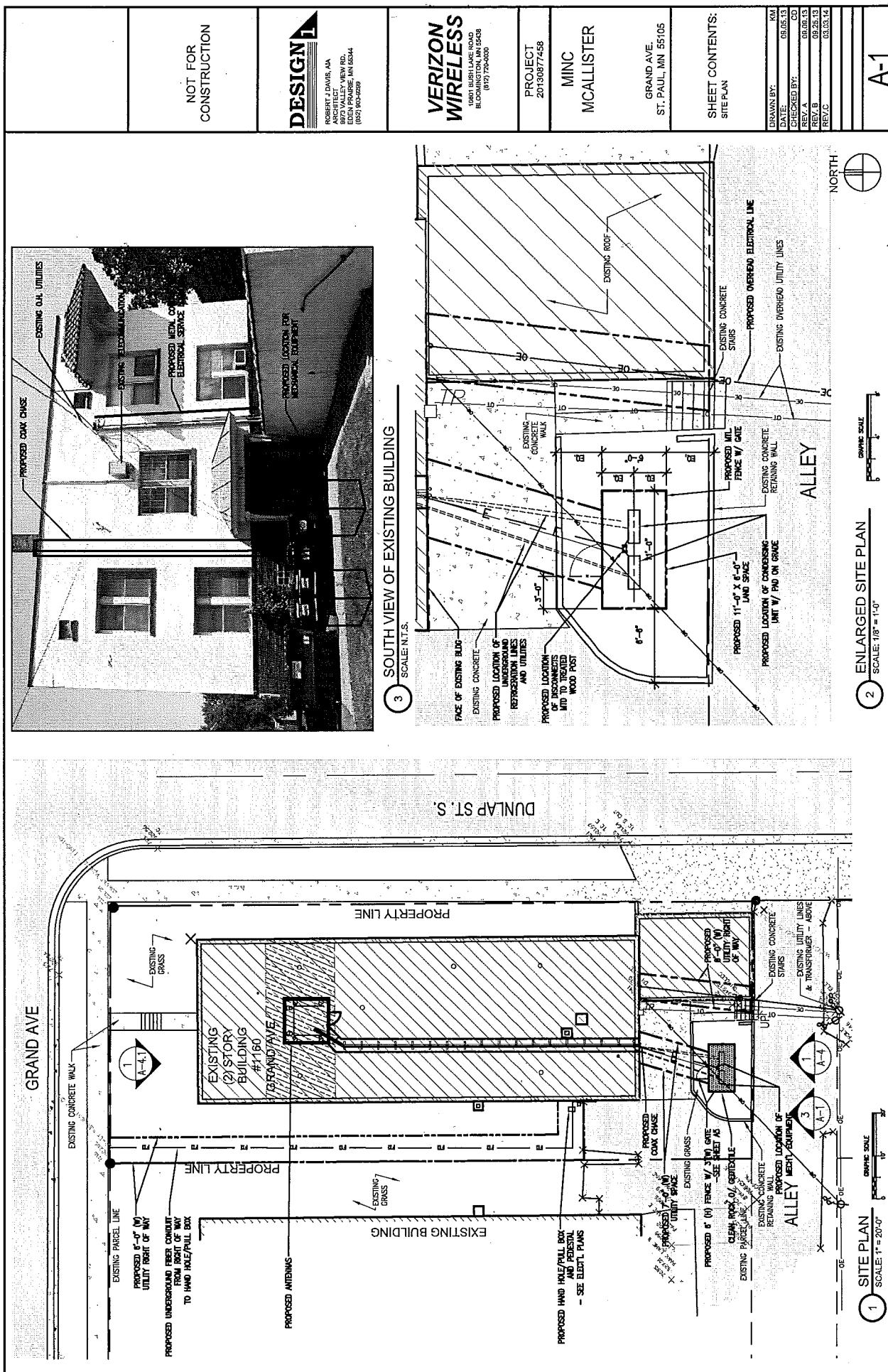
10. Within these plans and specifications, "Owner" implies VERIZON WIRELESS.

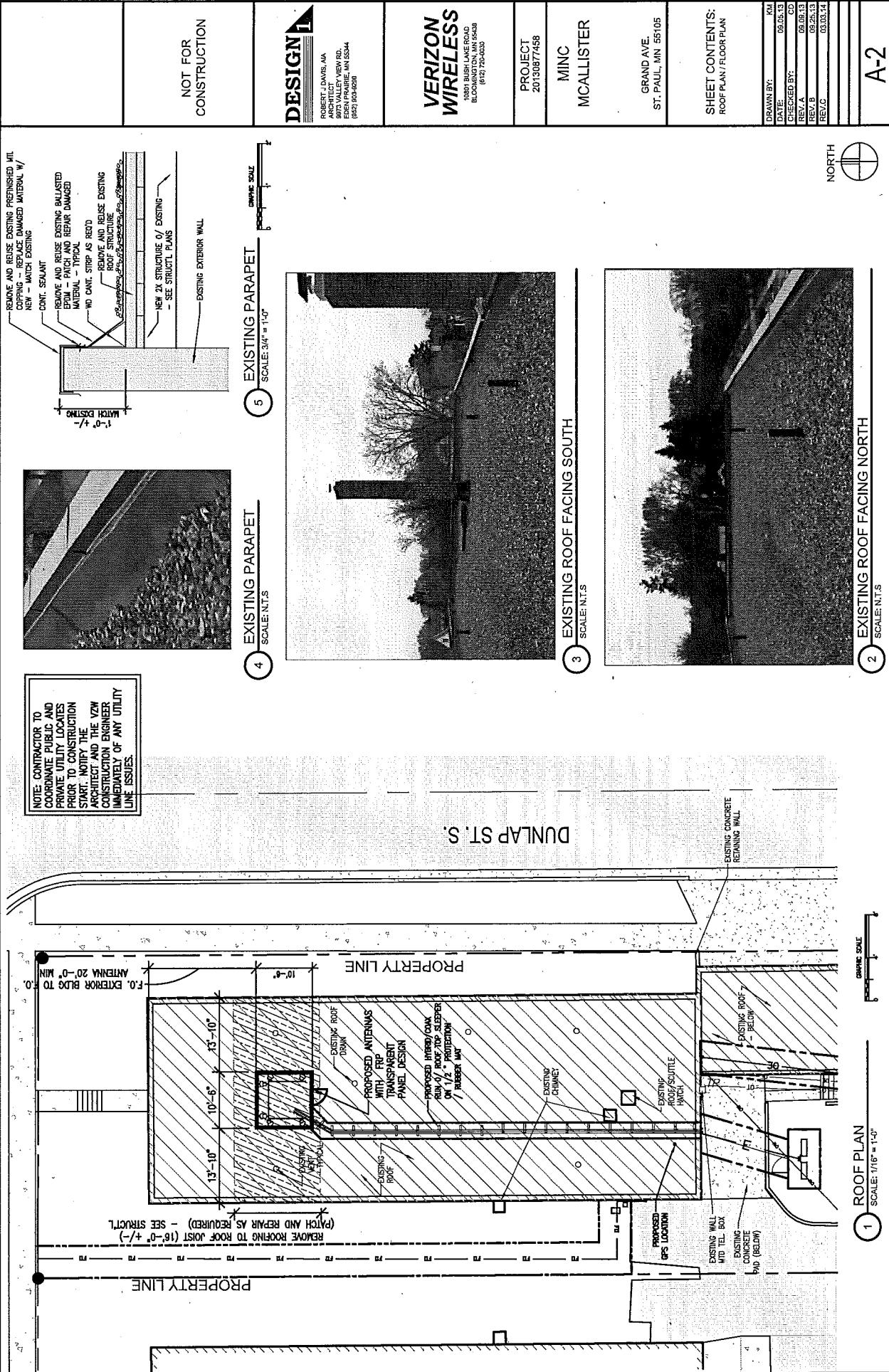
11. The word "the" responsibility of the general contractor unless noted otherwise.

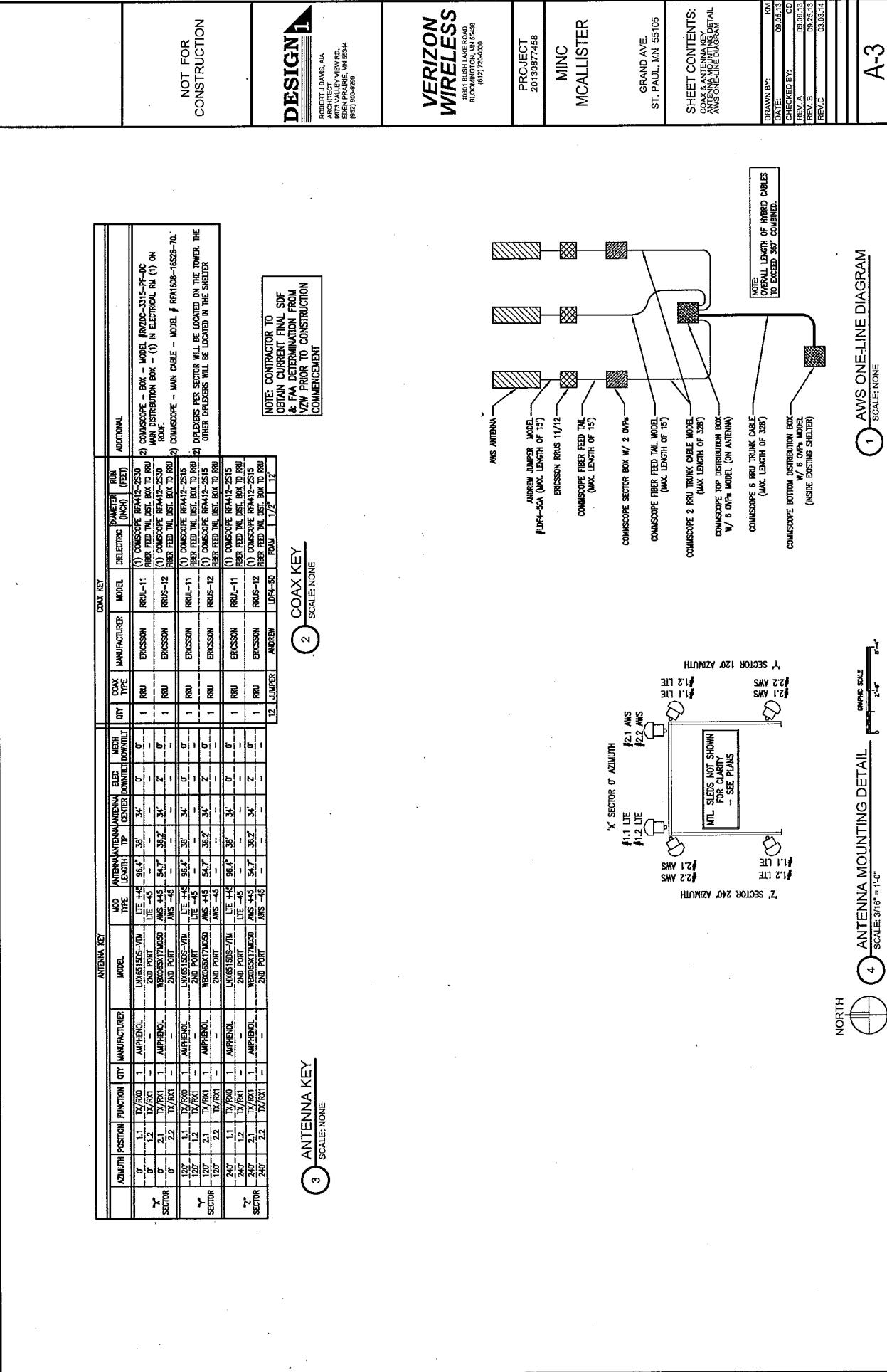
12. The terms "Contractor" and "Job" refer to the owner's general contractor and the general contractor's sub-contractors. It is the general contractor's responsibility to install exterior equipment to roof-top antennas and supporting interior and exterior equipment to improve communication service in the St. Paul, MN area.

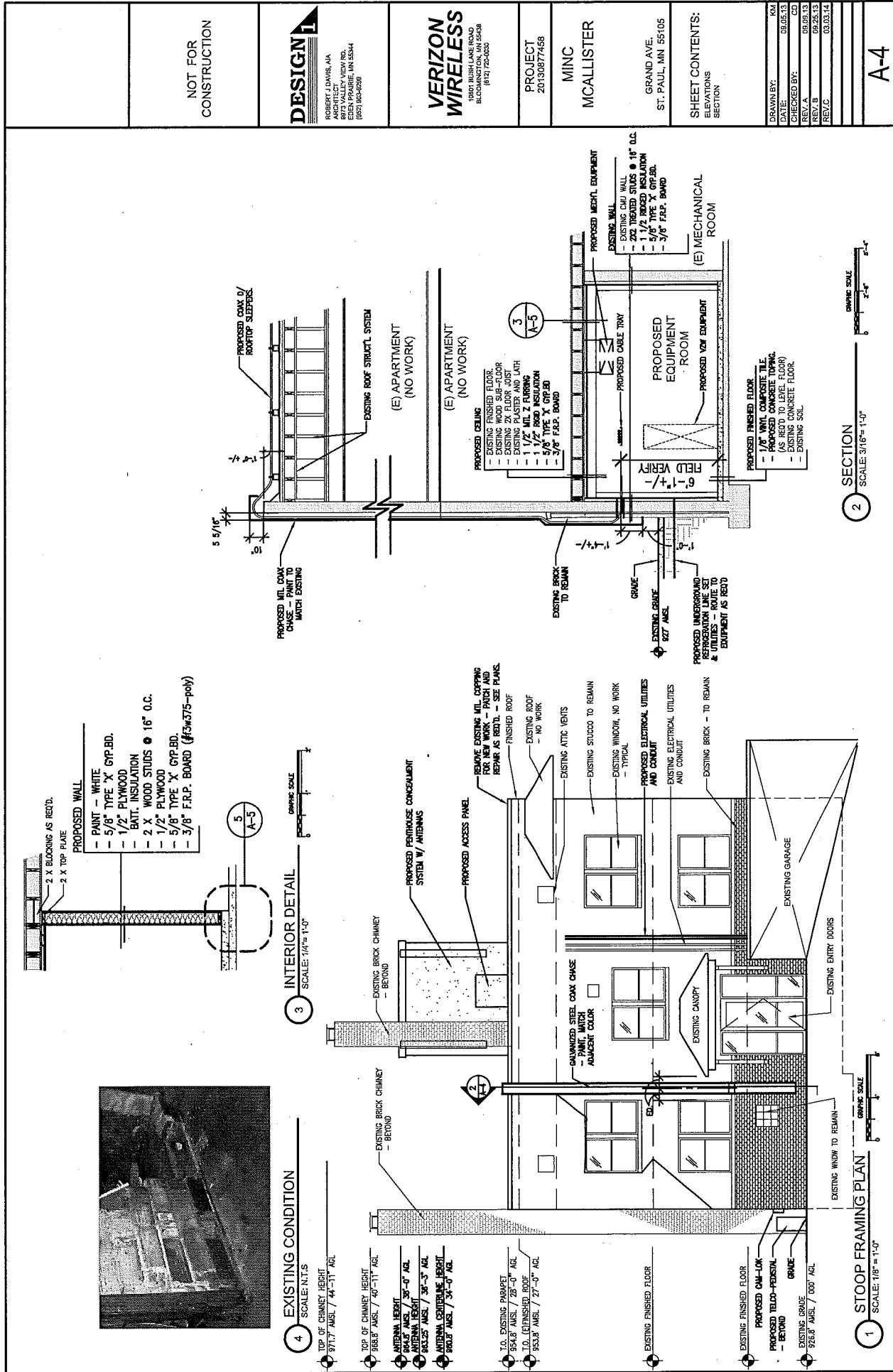
13. The general contractor is responsible in obtaining necessary public and private underground utility locate services prior to start of excavating / construction.

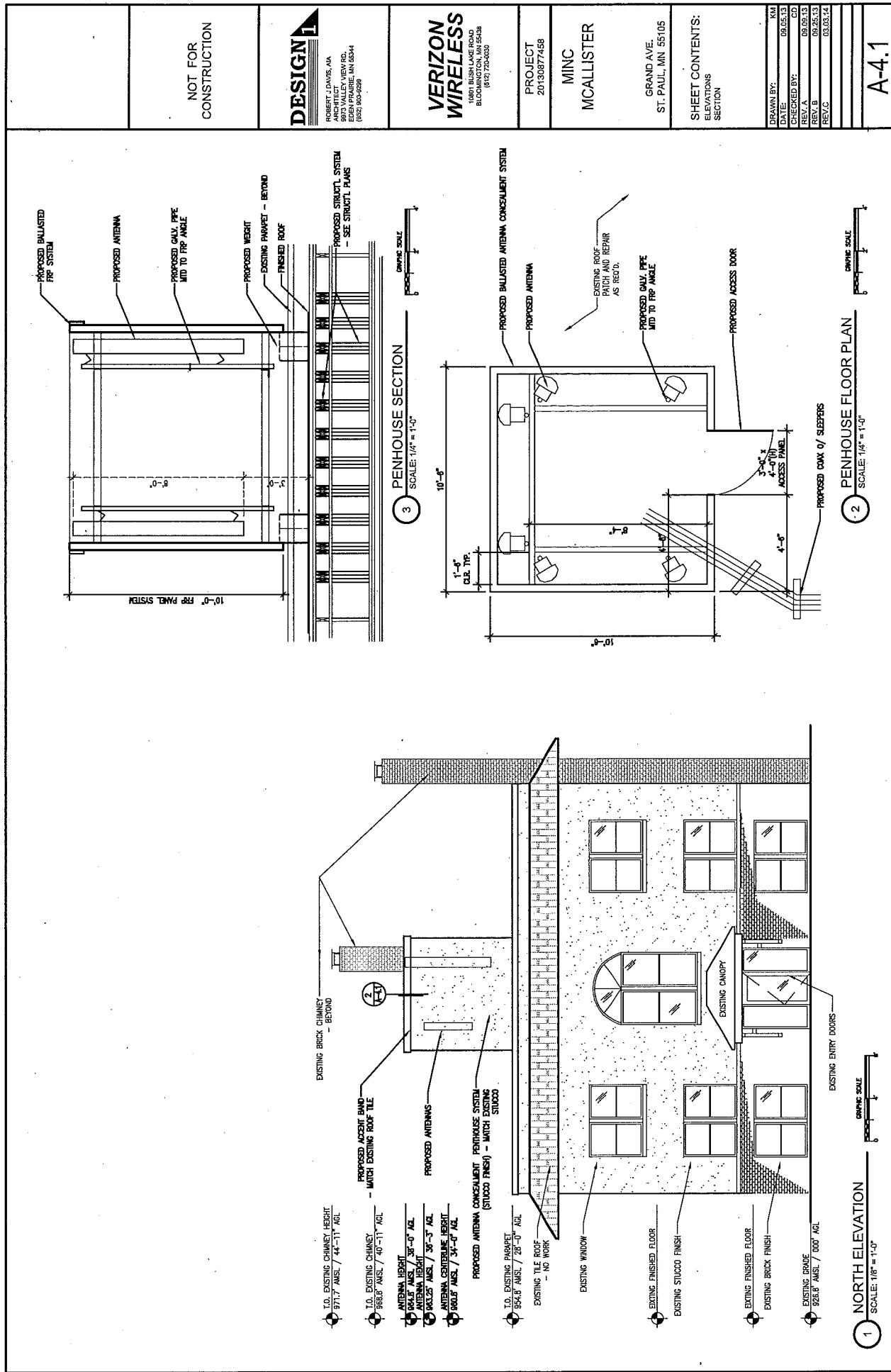
T-1

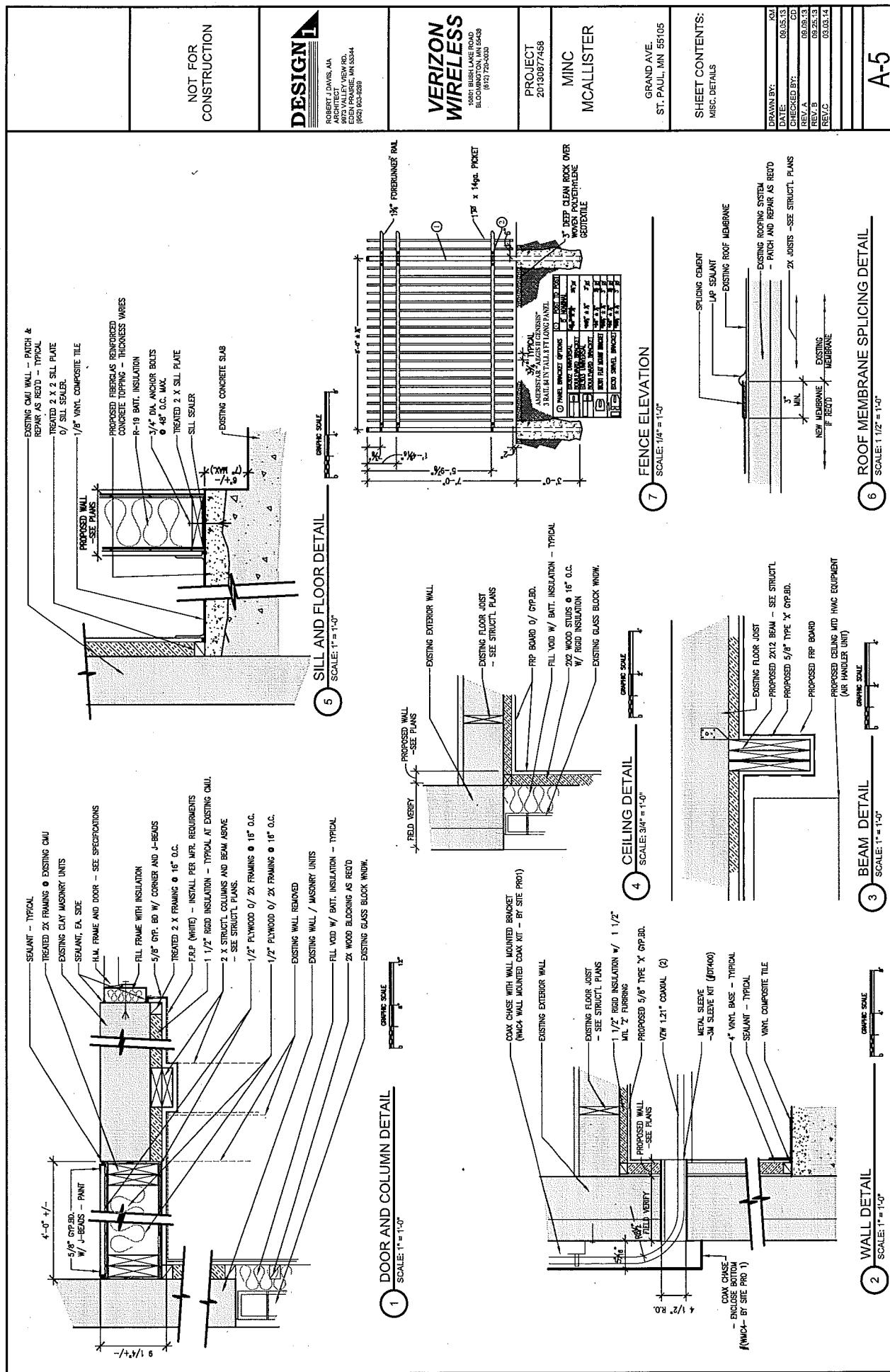




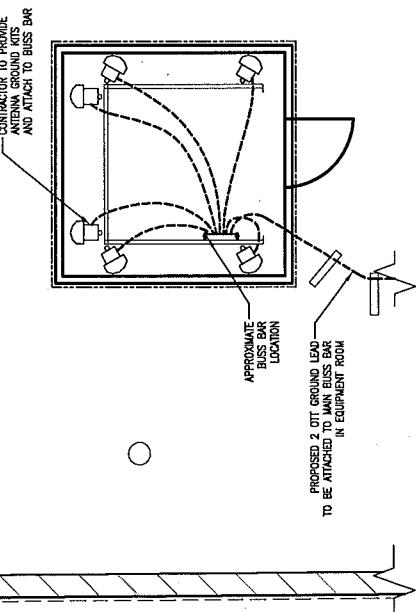








A-5

LEAD IDENTIFICATION & DESCRIPTION:	
1 RING, EXTERNAL BURIED w/ RODS 1A RINGS, CONCRETE ENCASED 2 DEEP ANODE (TO IMPROVE OHMS) 3 RINGS TO BLDG STL FRAME 4 MAN AC PANEL, NEUTRAL BUS TO (2) GROUND 5 RINGS ISOLATED FROM LEAD #1 6 RINGS TO EX TL. OBJECT 7 DEEP ANODE TO MGR 8 AC PANEL TO DRAFT SEEDER 9 EX PLATE TO IN WATER PIPES 10 MGR NOT USED TO MGR 11-12 NOT USED TO MGR 13 AC PANEL TO MGR 14 MGR/FBS TO BLDG STL FRAME 14C MGR/FBS TO ROOF MTL. PNL. 15 MGR/FBS TO FB-FR. SAME FLOOR 16 NOT USED 17A EPRB TO CABLE SHEildING 17B EPRB TO CABLE SHEildING 17C EPRB TO F-O SPlice SHELF 17D MGR/FBS TO F-O SPlice SHELF 18 LONGEST MGR/FBS TO HIGHEST FB 19 LEAD 18 TO OTHER FBs, 45° 20 MGR/FBS TO BRANCH AC PNL. 20A NEAREST GRID TO DISCONNECT PNL. 20B ONE TO AC DISTR PNL 21 MGR/FBS TO INT HALO 21A INTERIOR GREEN HALO 21B INT. HALO TO EXTLING 21C INT. HALO TO EQUIPMENT MTL. 22 ROOF TOWER RING TO ROOF GRND 23 MGR/FBS TO ECPB, SAME FLOOR 23A MGR/FBS TO CR-HF LNK PROT 24 ECPB TO EACH PROTECTOR ASSEMBLY 24A LOWER PROT ASSY TO UPPER	25 RING TO NEAREST LIGHTNING ROD 26 LATING ROD TO NEARBY MTL. 27 RING TO TOWER RING 28 SPLICER RING 29 BRANCH AC PNL. 30 USE OF FB TO PRE CITY FRAMES 31 USE OF FB TO PRE CITY FRAMES 32 A5 TO BATTERY CHARGER PNL 33 A5 TO BATTERY BACK FRAME 34 A5 TO PCU FRAME 35 A5 TO PDU FRAME 36 A5 TO PDU FRAME 37 MGR/FBS TO CITY RETURN 38 MGR/FBS TO TN TERM CARB SUPP 39 EPRB TO PDU 40 PULL BOX, CARRIER SUPPLY 41 PULL BOX, CARRIER SUPPLY 42-44 NOT USED 45 MAIN AC PNL TO DED OUTLET 46 BRANCH AC PNL TO DED OUTLET 47 FB TO INTEG FRM 48 FB TO INTEG FRM 49 INTEG FB TO EQUIP. SHELF 50 MGR FB TO AC PNL 51 MGR FB TO AC PNL 52 TRANS FRM FUSE TO FRM OR BAR 53 SDA MGR/FBS TO PDU/BUDS 54 MGR/FBS TO STATIC DEVICES 55 MGR/FBS TO CABLE AT ENTRY 56 MGR/FBS TO AC PWR RADIO MATTR 57A MGR/FBS TO GBL GRID/RUNWAY 58A FB4A TO ASSE FRAME 58A FB5A TO EACH SGL FRAME, GRND 60-69 NOT USED 90 GENERATOR FRAME TO EXIT RING #2 SRC
NOT FOR CONSTRUCTION	
DESIGN 1 	
VERIZON WIRELESS <small>PROFESSIONAL ENGINEERING CO. ELECTRICAL CONSULTANT 601 GRAND AVE., SUITE 1500 (651) 699-5548</small>	
PROJECT: 20150807-7458 MINC MCALLISTER GRAND AVE. ST. PAUL, MN 55105 SHEET CONTENTS: GROUND PLANS LEAD IDENTIFICATION	
DRAWN BY: CDS DATE: 08-08-13 CHECKED BY: CDS REV. A 08-08-13 REV. B 09-16-13 REV. C 09-03-14	
EQUIPMENT SHELTER GROUNDING PLAN <small>SCALE: NONE</small>	
NOTE: CONTRACTOR SHALL ENSURE THAT EACH WHIP IS ROUTED TO LEAD 1 BY THE SHORTEST PATH, AND ENDS SHALL NOT BE LESS THAN 12' RADIUS	
G-2	

- GENERAL NOTES:**
1. CONTRACTOR TO COORDINATE WITH UTILITY AND INSTALL WEATHER-HEAD, VERTICAL CONDUITS, PENETRATIONS AND METER/MAINS NECESSARY TO ESTABLISH 200A 120/240V NEW SERVICE.
 2. NEW METER/MAIN SHALL BE POSITIONED NEAR EXISTING DISCONNECT AND CONTRACTOR SHALL INSTALL PLAQUES AND DIRECTORIES AS PER NEC TO DENOTE THE EXISTENCE OF MULTIPLE SERVICE DISCONNECTS.
 3. CONTRACTOR SHALL RUN CONDUITS FROM VZW MAIN DISCONNECT TO 3-IN-1 ATS. CONTRACTOR TO INSTALL PENETRATIONS AND SLEEVES, AS NECESSARY.
 4. CONTRACTOR SHALL RUN CONDUITS FROM BUILDING PENETRATIONS TO CONDENSERS UNITS.
 5. CONTRACTOR SHALL UTILIZE THE FOLLOWING SCHEDULE:
 - A. VZW MAIN FEEDER - RIGID 2"
 - B. BACKUP POWER FEED - RIGID 2"
 - C. LG CONDUITS FOR CONDENSER POWER CIRCUITS - RIGID 1"

PROPOSED ELECTRICAL CONDUIT FOR NORMAL POWER - PANT (MATCH EXISTING CEILING) (SEE NOTE #3 ABOVE)

5. CONTRACTOR SHALL UTILIZE THE FOLLOWING SCHEDULE:

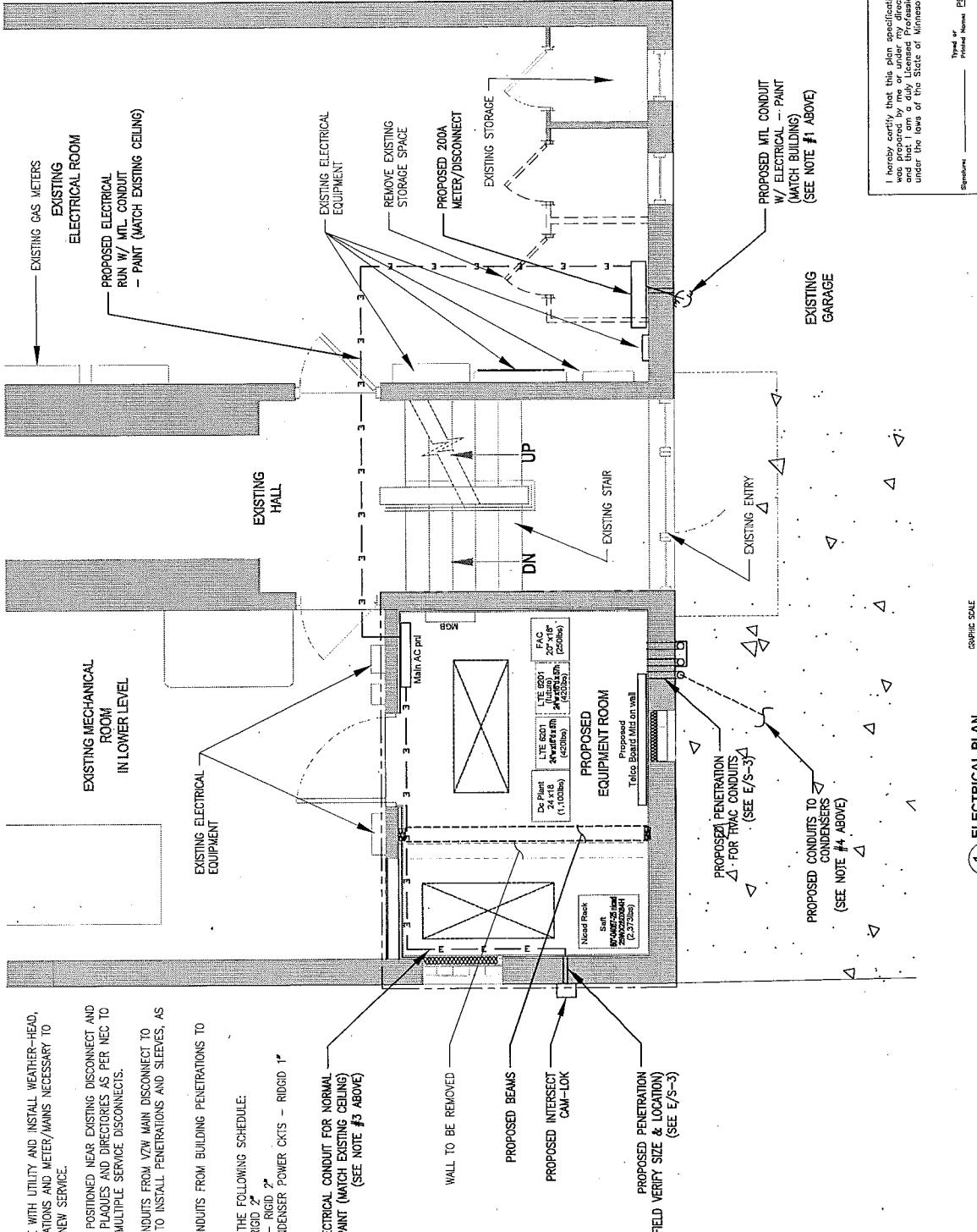
- A. VZW MAIN FEEDER - RIGID 2"
- B. BACKUP POWER FEED - RIGID 2"
- C. LG CONDUITS FOR CONDENSER POWER CIRCUITS - RIGID 1"

- GENERAL NOTES:**
1. CONTRACTOR TO COORDINATE WITH UTILITY AND INSTALL WEATHER-HEAD, VERTICAL CONDUITS, PENETRATIONS AND METER/MAINS NECESSARY TO ESTABLISH 200A 120/240V NEW SERVICE.
 2. NEW METER/MAIN SHALL BE POSITIONED NEAR EXISTING DISCONNECT AND CONTRACTOR SHALL INSTALL PLAQUES AND DIRECTORIES AS PER NEC TO DENOTE THE EXISTENCE OF MULTIPLE SERVICE DISCONNECTS.
 3. CONTRACTOR SHALL RUN CONDUITS FROM VZW MAIN DISCONNECT TO 3-IN-1 ATS. CONTRACTOR TO INSTALL PENETRATIONS AND SLEEVES, AS NECESSARY.
 4. CONTRACTOR SHALL RUN CONDUITS FROM BUILDING PENETRATIONS TO CONDENSERS UNITS.
 5. CONTRACTOR SHALL UTILIZE THE FOLLOWING SCHEDULE:
 - A. VZW MAIN FEEDER - RIGID 2"
 - B. BACKUP POWER FEED - RIGID 2"
 - C. LG CONDUITS FOR CONDENSER POWER CIRCUITS - RIGID 1"

PROPOSED ELECTRICAL CONDUIT FOR NORMAL POWER - PANT (MATCH EXISTING CEILING) (SEE NOTE #3 ABOVE)

5. CONTRACTOR SHALL UTILIZE THE FOLLOWING SCHEDULE:

- A. VZW MAIN FEEDER - RIGID 2"
- B. BACKUP POWER FEED - RIGID 2"
- C. LG CONDUITS FOR CONDENSER POWER CIRCUITS - RIGID 1"



1 ELECTRICAL PLAN

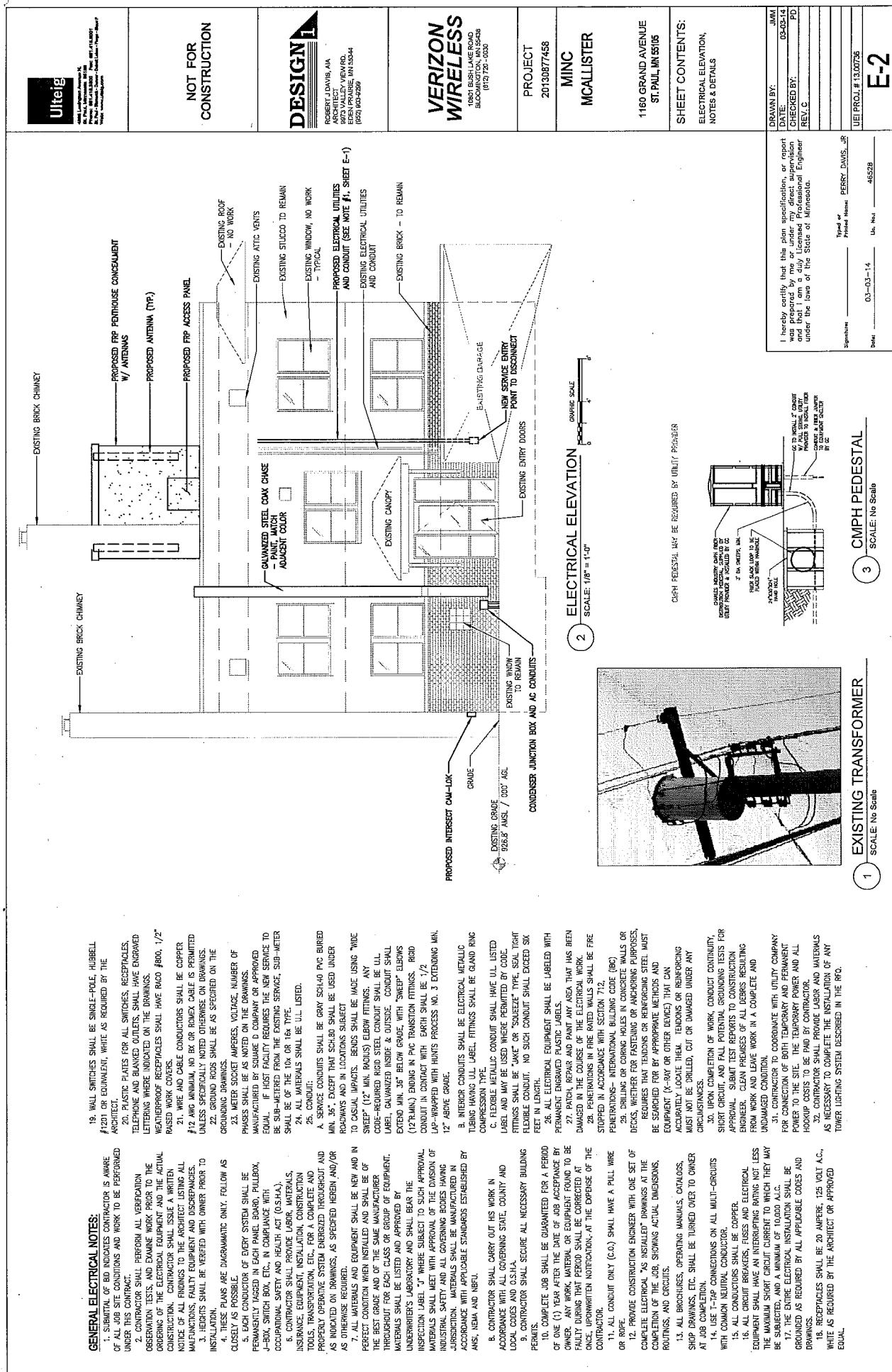
GRAPHIC SCALE

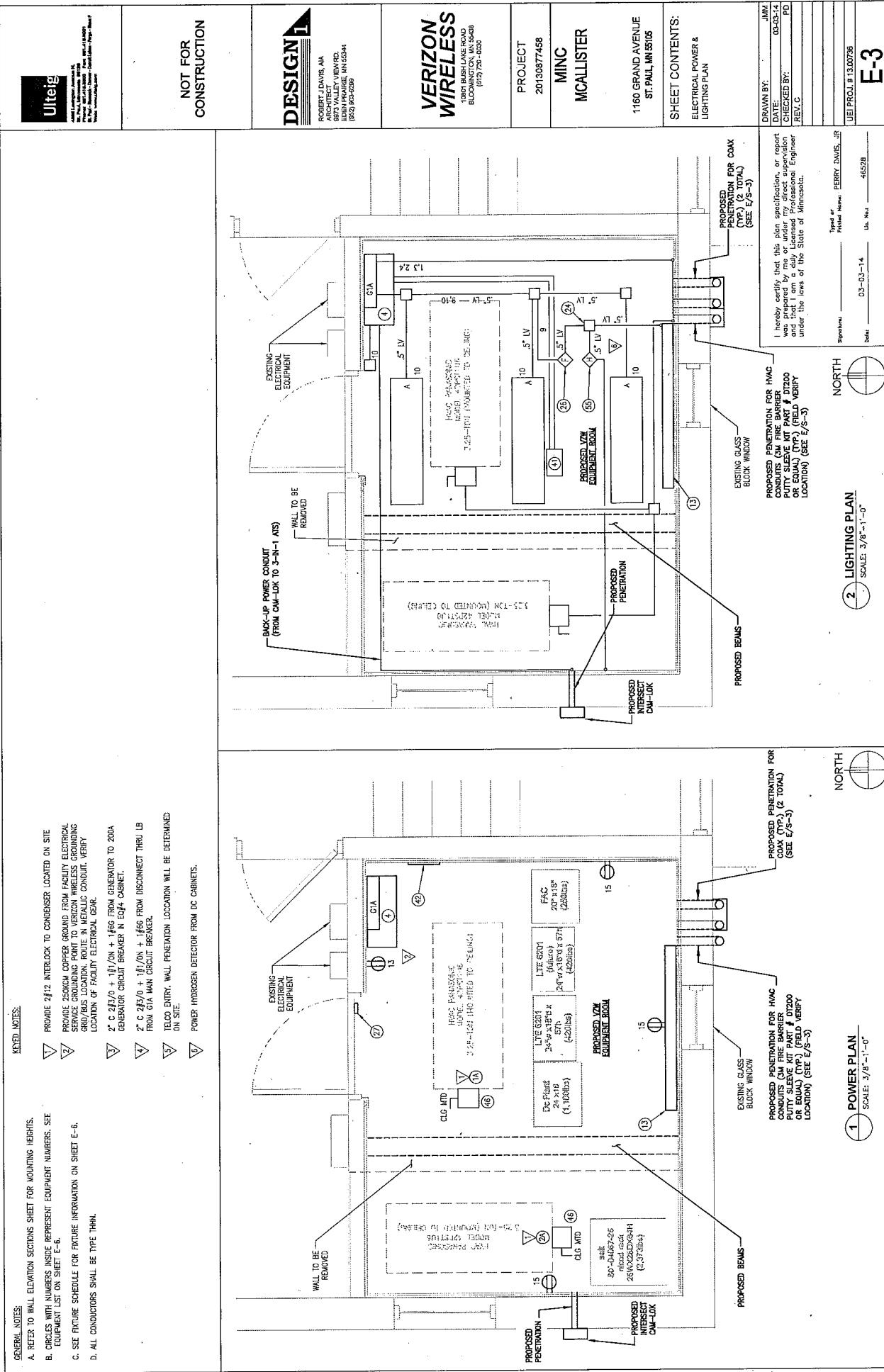
SCALE: 1/4" = 1'-0"

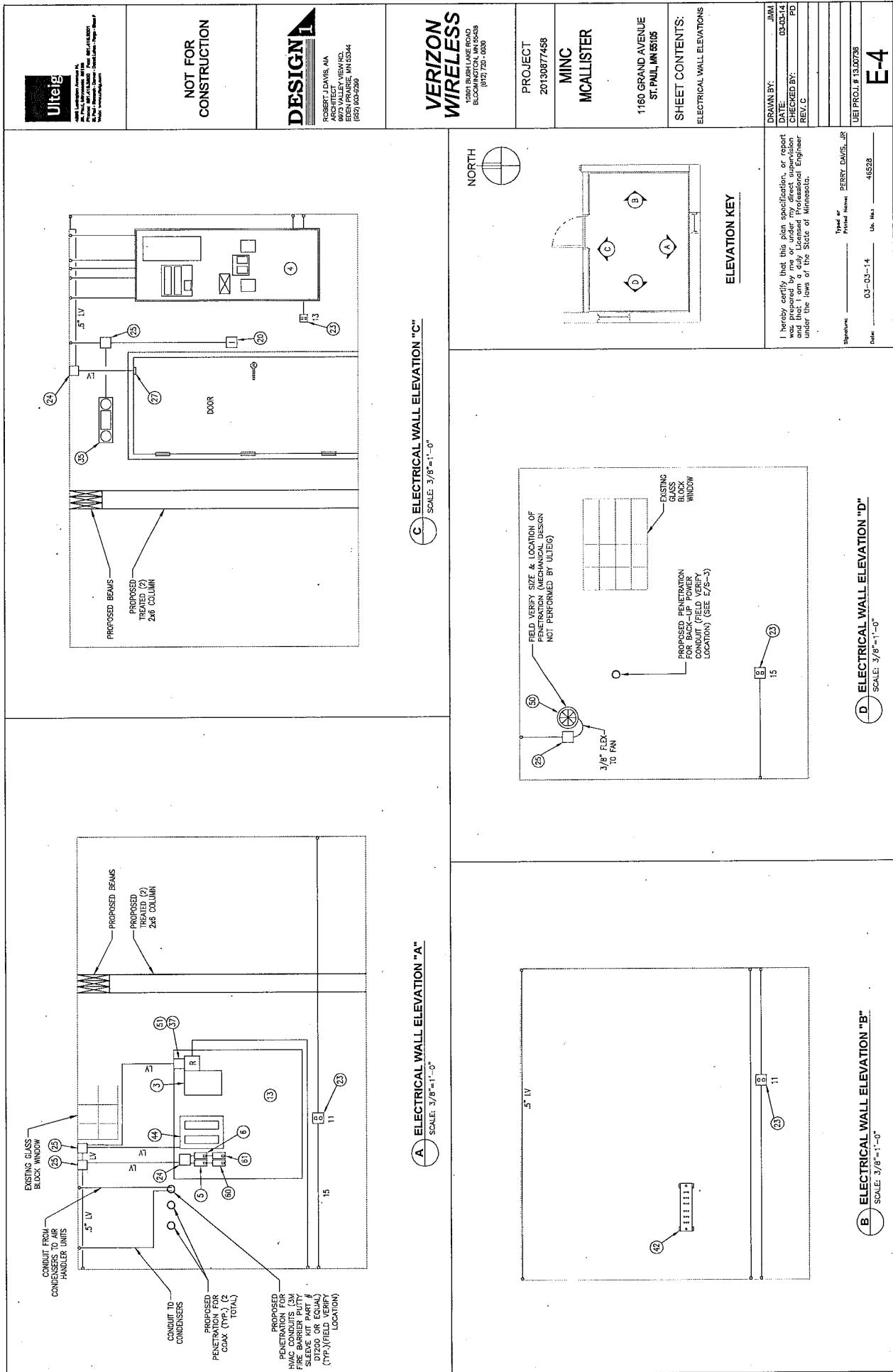
E-1

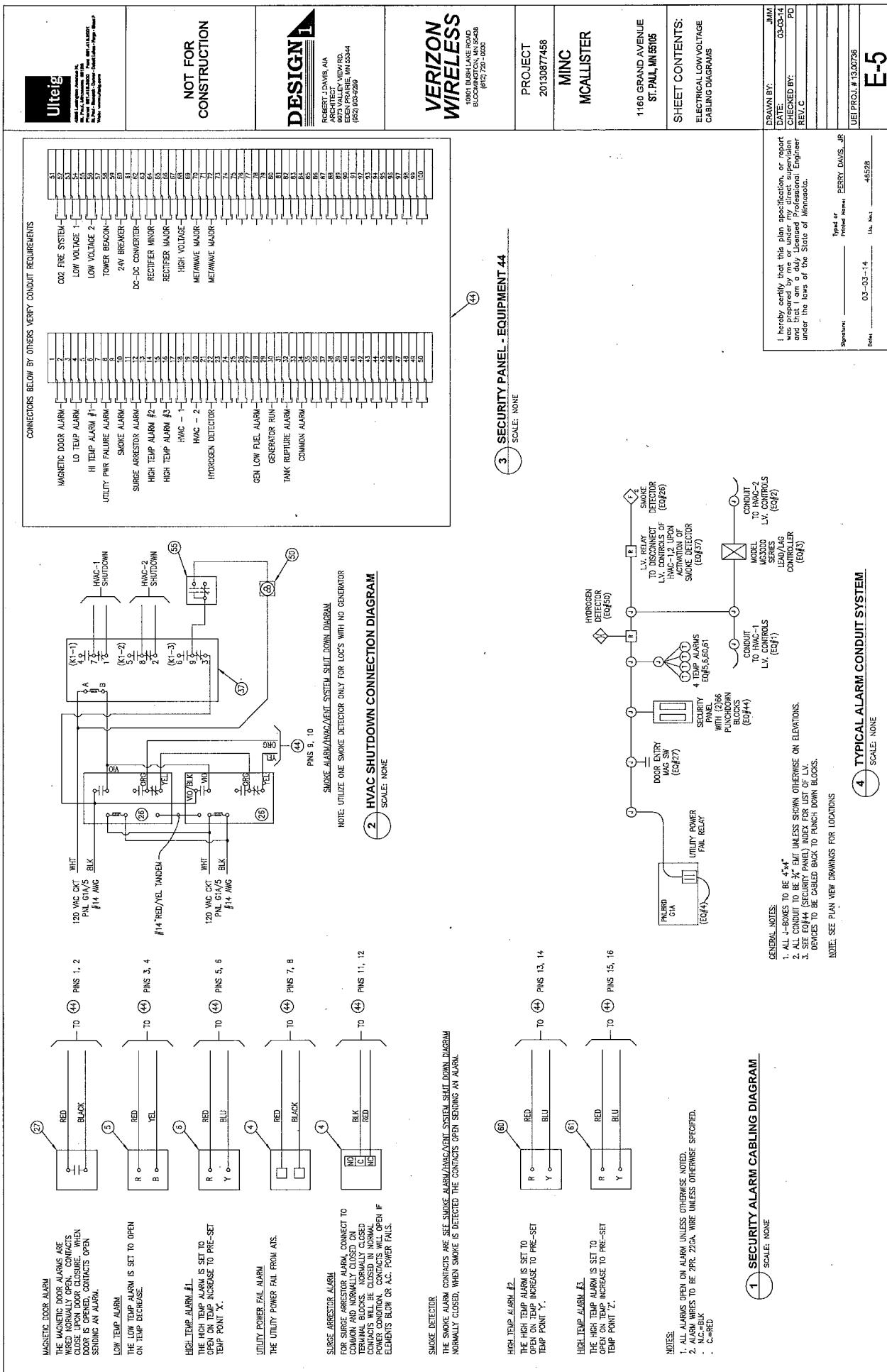
DRAWN BY:	J.M.
DATE:	05-03-14
CHECKED BY:	P.D.
REV. C	
VERIZON WIRELESS	
1160 GRAND AVENUE	
ST. PAUL, MN 55103	
SHEET CONTENTS:	
ELECTRICAL PLAN	
161 PROJ. NO. 11300756	
Signed:	PERRY DAVIS, JR.
Date:	05-03-14
Printed Name:	45526

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.	
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**EQUIPMENT LIST - ALL ITEMS FURNISHED, INSTALLED AND CONNECTED
BY ELECTRICAL CONTRACTOR**

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THE JOURNAL OF CLIMATE

PANELBOARD SCHEDULE

SCALE: NONE

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ELECTRICAL SYMBOL SCHEDULE	
POWER DISTRIBUTION	LIGHTING DEVICES
 BRANCH CIRCUIT PANELBOARD	 FLUORESCENT — CEILING  WALL/CEILING MOUNTED FIXTURE  FUSURE ON EMERGENCY POWER/EMERGENCY LIGHTING  EMERGENCY BATTERY FIXTURE  LIGHT FIXTURE TYPE DESIGNATION — SEE SPECIFICATION  SWITCH DESIGNATION (GND, ETC)  SINGLE POLE SWITCH  PHOTO CELL
MOTOR STARTER AND CONTROL	NOTE SYMBOLS
 MOTOR CONNECTION	 ELECTRICAL NOTE REFERRAL  (SEE NOTE ON DRAWINGS)
 DISCONNECT OR SAFETY SWITCH	 EQUIPMENT NUMBER
RACEWAY	ELECTRICAL AND COMMUNICATION DEVICES
 CONCEALED RACEWAY	 RECEPTACLE (CPIRE)
 SURFACE MID RACEWAY	 RECEPTACLE (CPIRE GR)
ONE-LINE/FASER DEVICES	JUNCTION BOX (WALL/CEILING WTD)
 GENERATOR	 JUNCTION BOX (WALL/CEILING WTD)
	 TELEPHONE OUTLET (WALL MOUNTED)
AUTOMATIC TRANSFER SWITCH	
 AUTOMATIC TRANSFER SWITCH	
DISCONNECT SWITCH	
 DISCONNECT SWITCH	
CIRCUIT BREAKER	
 CIRCUIT BREAKER	
RELAY	
 RELAY	
TRANSFORMER	
 TRANSFORMER	
FIRE ALARM DEVICES	
 SMOKE DETECTOR	
 HEAT DETECTOR	
DETCTD FIRE ALARM CONTROL PANEL (FACP)	
ELECTRICAL SYMBOL NOTES	
1. DEVICES SHALL BE INSTALLED AT THE MOUNTING HEIGHT INDICATED ON WALL ELEVATIONS.	
2. PROVIDE GROUND WIRES IN ALL LIGHTING AND POWER BRANCH CIRCUITS.	
A 1/4 FLUORESCENT	
B EMERGENCY	
C EXTERIOR	

4 ELECTRICAL SYMBOL SCHEDULE

SCALE: NONE

**EQUIPMENT LIST - ALL ITEMS FURNISHED, INSTALLED AND CONNECTED
BY ELECTRICAL CONTRACTOR**

SCUTIER

#	MANUFACTURER / PART No.	PART No.	ITEM	DESCRIPTION
1	PANASONIC 42PSTIUS	HVAC-1, 3.25-TON		
2	PANASONIC 42PSTI16	HVAC-1, 3.25-TON		
3	MARVAN VERIFY	LEAD/LAG THERMOSTAT		
4	ASCO 300L	LOADCENTER, INTEGRATED 200AMP w/ ATS (PROVIDED BY VEN, INSTALLED BY CONTRACTOR)		
5	DAYTON 2E20S	LOW TEMP ALARM		
6	DAYTON 2E206	HIGH TEMP ALARM #1		
7	-	TELEPHONE BOARD, ADP - 7/8" x 48" x 96" (PAINTED, WHITE)		
8	HUBBELL -	20AMP DUPLEX RECEPTACLE / 2" x 4" W/P.L.B.		
9	HILARKA WFG	METER HUB 200A 240V W/ BYPASS SWITCH		
10	DAYTON	INTERIOR LIGHT FIXTURE		
11	DAYTON	INTERIOR LIGHT SWITCH / 4" x 4" LB. w/ 1/2" KNOCKOUT		
12	-	EXTERIOR LIGHT FIXTURE w/ PHOTOCELL		
13	HUBBELL	20AMP DUPLEX RECEPTACLE / 4x4 J.B.		
14	APPLETON 4S812	4" x 4" LB. w/ 1/2" KNOCKOUT		
15	APPLETON 4S81R	4" x 4" LB. w/ 1/2" KNOCKOUT		
16	GENTEX 710DF	SMOKE DETECTOR / 4" x 4" LB.		
17	GENTEX 7399-2G2Y	MAGNETIC DOOR ALARM		
18	CNA-LINK ICC-1P	CAN-LOCK 120/240V 20A GENERATOR CONNECTOR		
19	-	BATTERY BACK-UP ENERGY LIGHT		
20	-	4" PVC (CAST-IN) w/ THREADED COUPLING		
21	HOTTMAN 4PC	ENCLOSURE 6" x 6" x 4" (HAC SHUTDOWN)		
22	ASE65BX4	SWITCH / 4" x 4" x 4" (EXTERIOR LIGHT FIXTURE)		
23	DAYTON CS1201			

VERIZON WIRELESS	
18001 BUSH LAKE ROAD BLW-CONNINGTON, MN 55418 (612) 271-0030	
PROJECT 20130877458	
MINC MCALLISTER	
1160 GRAND AVENUE ST. PAUL, MN 55105	
SHEET CONTENTS: ELECTRICAL SCHEDULES	
DRAWN BY: J.W. DATE: 03-03-11 CHECKED BY: P.L. REV. C	
report Shaefer	
VRS, JR	
UEI PROJ. # 1300736	

1

Ulteig

NOT FOR
CONSTRUCTION

DESIGN 1

ROBERT DAVIS, MA
ARCHITECT
6073 VALLEYVIEW RD.
EDEN PRAIRIE, MN 55344
(612) 933-0299

**VERIZON
WIRELESS**

1001 BUSH LAKE ROAD
BLWONN, MN 55308
(612) 721-3000

PROJECT
20130877458

**MINC
MCALLISTER**

1160 GRAND AVENUE
ST. PAUL, MN 55105

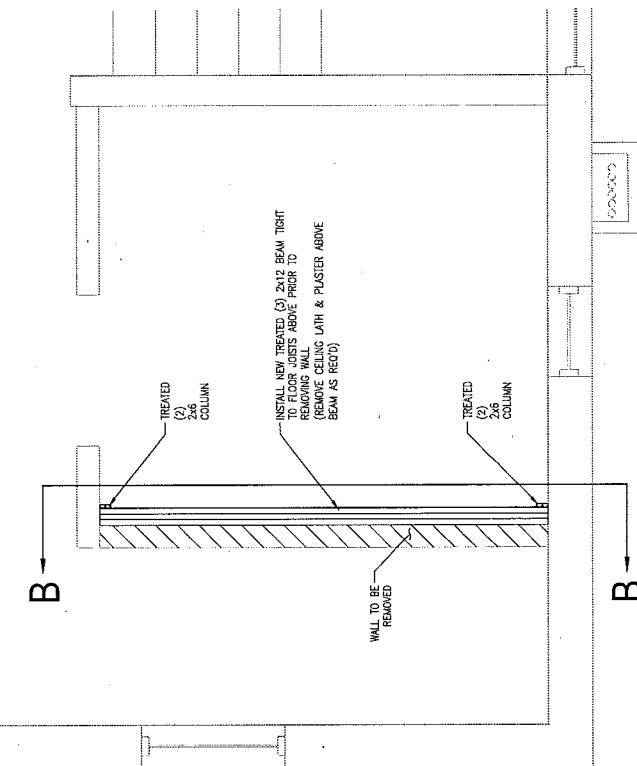
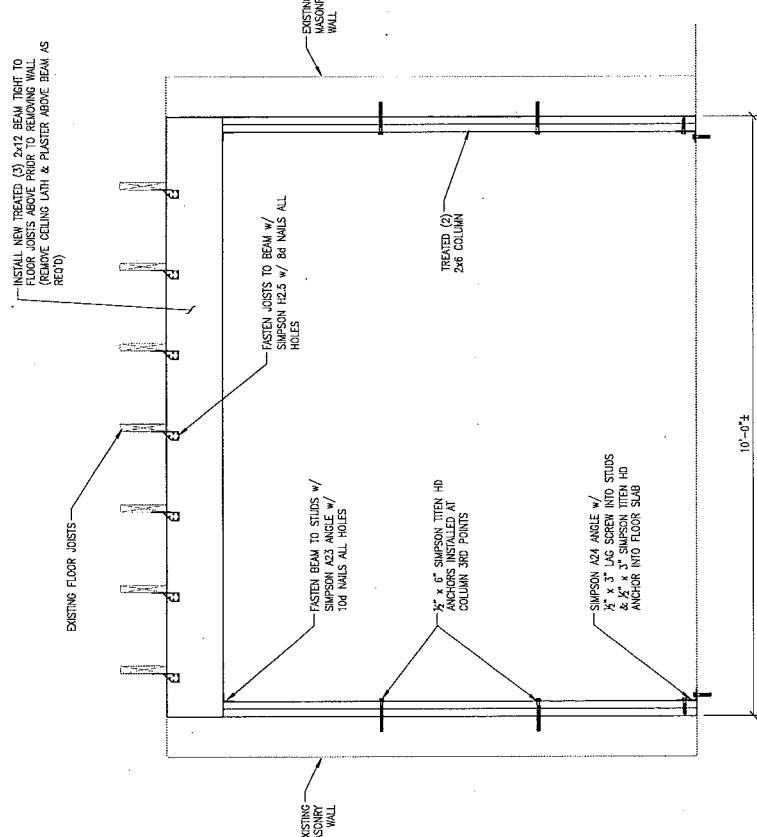
SHEET CONTENTS:
SECTIONS AND DETAILS

DRAWN BY: JK.M
DATE: 03-03-14
CHECKED BY: LO
REV.C
REVC

ISAC C. OLAND

DEP. PROJ.# 1310736
S-1

Type or
Printed Name: ISAC C. OLAND
Signature: _____
Date: 03-03-14
Lic. No.: 47985



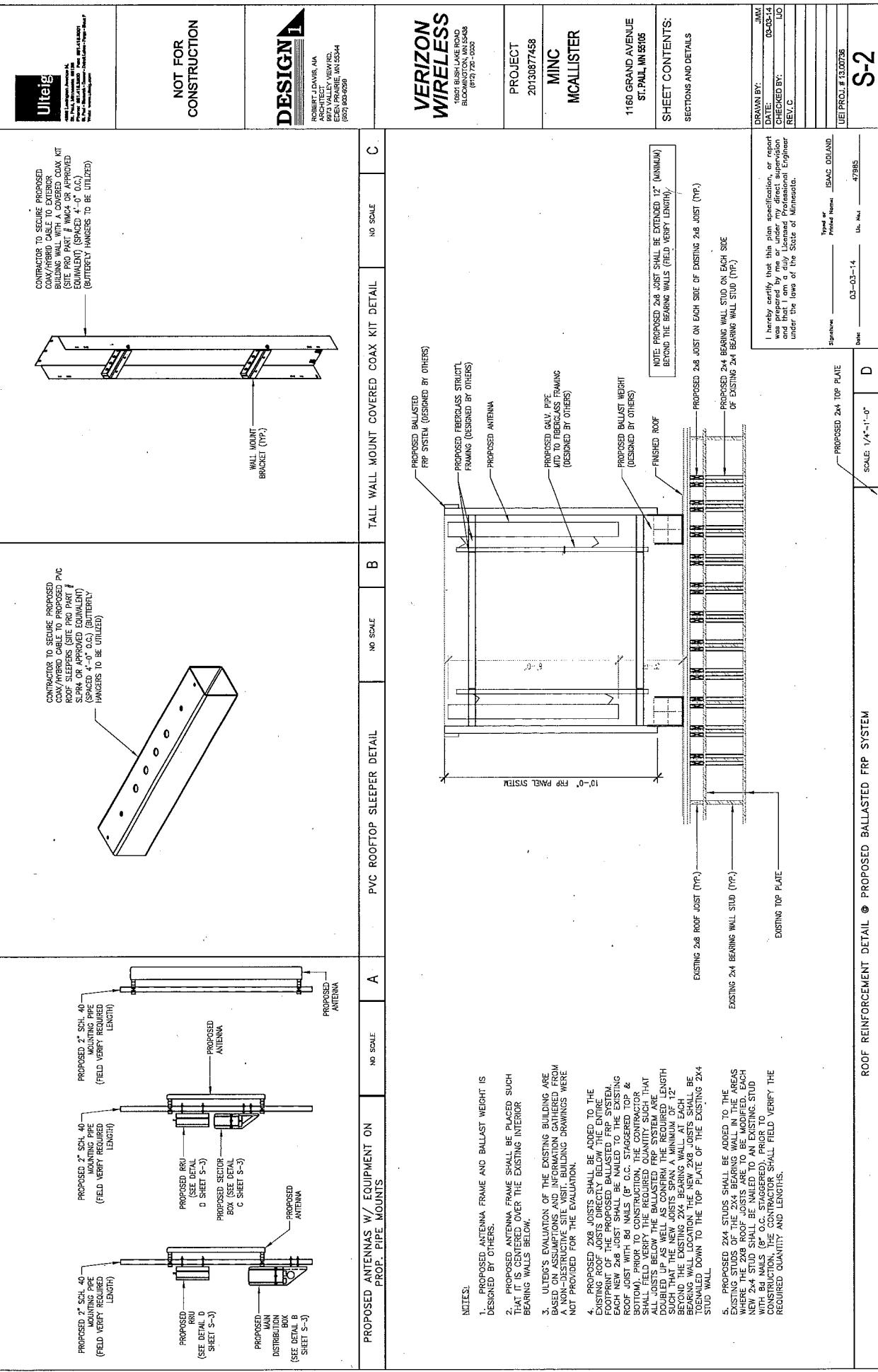
EQUIPMENT ROOM REINFORCEMENT DETAIL (BASEMENT PLAN)

NO SCALE

A

NO SCALE

B-B



<p>DESIGN LOADS</p> <p>A. SNOW LOADS 1. ROOF SNOW LOAD, $P_s = 50$ PSF 2. DRIFT LOAD, $P_d = 35$ PSF CODES B. WIND SPEED: 90 MPH C. EXPOSURE COEFFICIENTS APPLICABLE PER THE IBC 1. ZONE 1, SLAB-ON-GRADE: 100 PSF 2. RESIDENTIAL: 40 PSF</p> <p>C. INTERNATIONAL BUILDING CODE - 2006 B. STATE OF MINNESOTA BUILDING CODE - 2007 C. ASCE 7 - 2005</p> <p>MISCELLANEOUS</p> <p>A. SPECIAL EQUIPMENT OF ALL MECHANICAL UNITS AND SPECIALIZED EQUIPMENT IS SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.</p> <p>B. THE SUB-CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE START OF CONSTRUCTION. THE SUB-CONTRACTOR IS RESPONSIBLE FOR THE ESTIMATING AND PREPARATION OF ANY AND ALL CONFLICTS BETWEEN THE CONSTRUCTION AND DOCUMENTS AND THE ACTUAL CONDITIONS IMMEDIATELY.</p> <p>C. IF ANY SPECIFICALLY NOTED, NO PROVISIONS HAVE BEEN MADE IN THE CONTRACTUAL DOCUMENTS FOR FUTURE EXPANSION OR ADDITION. THE STRUCTURAL MEMBERS HAVE BEEN DESIGNED FOR THEIR FINAL IN PLACE LOADS ONLY. SEE DESIGN LOADS.</p> <p>D. THAT SUB-CONTRACTOR IS RESPONSIBLE FOR OVERCHECKING AS REQUIRED AND THE ENTIRE PROJECT IS COMPLETE, STOCKPILE OF ANY MATERIALS ON THE STRUCTURAL ELEMENTS IS AT THE CONTRACTOR'S OWN RISK.</p> <p>E. THE CONTRACTOR IS TO PROVIDE ALL FIELD AND NON-DESTRUCTIVE TEST REPORTS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW BEFORE PROCEEDING FURTHER WITH THE AFFECTED WORK.</p> <p>F. COIDS AND REACTORS SITING ON THE ROOF ARE TO BE REMOVED AND THE ENTIRE ROOF LOADS UNLESS NOTED OTHERWISE. REPAIRED, REPLACED, OR FIELD MODIFIED WITHOUT THE REVIEW AND APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.</p> <p>ROOF PENETRATIONS</p> <p>A. SUB-CONTRACTOR TO VERIFY DRAIN CONDITIONS, CONTACT UTEIG B. SUB-CONTRACTOR TO VERIFY ROOF DECK CAPACITY IS NOT EXCEEDED C. AROUND ROOF PENETRATIONS, ALL ROOF PENETRATIONS ARE REPAIRED TO PROVIDE A WATERPROOF SEAL AND A NAIL.</p>	<p>STRUCTURAL STEEL</p> <p>1. DESIGN CODE: ASME SECTION I, STRUCTURAL STEEL FOR BUILDINGS, 16TH EDITION, 2005 2. MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, LAST EDITION.</p> <p>MATERIALS</p> <p>A. WIDE FLANGE SHAPES - ASTM A36/A325 (Y = 50 ksi) 2. PIPE STEEL - ASTM A53, A53M, A53D, A53D-M (Y = 46 ksi) 3. WIRE AND ELECTRICAL CABLES - ASTM A25/A25M (Y = 35 ksi) 4. CONNECTION BOLTS - ASTM A325 5. MISCELLANEOUS STEEL - ASTM A36</p> <p>INSTRUCTION NOTES</p> <p>A. ALL WELDING IS TO BE PER AWS D1.1. 1. ALL WELDING IS TO BE PERformed BY CERTIFIED WELDERS ONLY. 2. THE STEEL SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF ALL ORGANIC BOLTS, BOLTING PLATES, BASE PLATES, AND STAINLESS STEEL. THE STEEL SUPPLIER IS TO INCLUDE ALL BOLTS AND HOLES REQUIRED FOR "SMA" CONNECTIONS.</p> <p>B. ALL STEEL IS TO BE GALVANIZED.</p> <p>C. SUBMIT SHOP DRAWINGS FOR ALL STEEL MEMBERS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. THE SHOP DRAWINGS ARE TO SHOW ALL MEMBER SIZES, LENGTHS, AND REQUIRED CONNECTION INFORMATION.</p> <p>D. SUBMIT SHOP DRAWINGS FOR ALL STEEL MEMBERS TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. THE SHOP DRAWINGS ARE TO SHOW ALL MEMBER SIZES, LENGTHS, AND REQUIRED CONNECTION INFORMATION.</p> <p>E. STRUCTURAL STEEL TESTING - THE OWNER, AT HIS OWN EXPENSE, SHALL ENLIST THE SERVICES OF AN INDEPENDENT TESTING AGENCY TO TEST THE FOLLOWING:</p> <p>1. HIGH STRENGTH BOLTED CONNECTIONS FOR THE P.R.C. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS, AS FOLLOWS: BEARING BOLTS: VISUALLY INSPECT TO CONFIRM ALL PILES OF CONNECTED ELEMENTS HAVE BEEN BROUGHT INTO FULL CONTACT TOOLS OF THE CONNECTIONS.</p> <p>2. WELDING, AS FOLLOWS: FILLET WELDS: VISUALLY INSPECT 100% OF ALL FILLET WELDS, VERIFY THE SIZE, LENGTH, AND QUALITY PER AWS D1.1 PROCEDURES AND PREPARATION. VERIFY THE FOLLOWING:</p> <p>I. QUALIFICATIONS OF ALL WELDERS AS AWS II. PURCHASED WELDING PROCEDURES AND MATERIALS III. ADEQUATE PREPARATION OF FACING SURFACES IV. FREQUENT AND INTERRUPT TEMPERATURES OF PROPER TESTS, NUMBER AND SEQUENCE OF WELDING, CLEANING, AND NUMBER OF PASSES</p> <p>J. EXPANSION BOLTING AND ADHESIVE ANCHORING: BE SENSITIVE TO THE TYPE OF CONCRETE USED TO VERIFY THAT THE TYPE OF CONCRETE IS COMPATIBLE WITH THE TYPE OF CONCRETE. COMPRESSIVE STRENGTH, REINFORCED HOLE DIMENSIONS, HOLE CLEANLINESS, ETC. DEDUCED DEPTH, DIRECTION, ANCHOR SPACING, EDGE DISTANCE, AND ANCHOR LENGTH ARE TO BE VERIFIED THAT ADHESIVE IS APPLIED CORRECTLY AND THAT THE ADHESIVE IS NOT EXPOSED TO THE AIR TEMPERATURE AT THE TIME OF THE WORK.</p> <p>4. ALL TESTING REPORTS SHALL BE SUBMITTED TO THE OWNER.</p>	<p>DESIGN 1</p> <p>ROBERT J. DAVIS, AIA ARCHITECT 8973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (612) 963-9395</p> <p>VERIZON WIRELESS 1080 BUSHLAWN ROAD BLANDING, IDAHO 83229 (208) 983-2539</p> <p>PROJECT 20130387-7458</p> <p>MINC MCALLISTER</p> <p>1160 GRAND AVENUE ST. PAUL, MN 55106</p> <p>SHEET CONTENTS: GENERAL NOTES</p>	<p>DRAWN BY: <u>JAM</u> DATE: <u>03-03-14</u> CHECKED BY: <u>JD</u> REV: <u>C</u></p> <p>UETR0101 #1300758</p> <p>Signature: <u>ISAAC ORLAND</u> Print Name: <u>ISAAC ORLAND</u> Date: <u>03-03-14</u> Lic. No.: <u>47945</u></p> <p>S-4</p>
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Design 1

Eden Prairie, MN

MINC McAllister

PREMISES DESCRIPTION:

Lot 1, Block 3, MANSON & SIMONTON'S ADDITION TO ST. PAUL, Ramsey County, Minnesota.

LAND SPACE DESCRIPTION:

A tract of land for telecommunication purposes over, under and across Lot 1, Block 3, MANSON & SIMONTON'S ADDITION TO ST. PAUL, Ramsey County, Minnesota described as follows:

Commencing at the Southwest corner of said Lot 1; thence South 89 degrees 52 minutes 36 seconds East, a distance of 15.69 feet to the point of beginning of the land space to be described; thence North 00 degrees 00 minutes 00 seconds East, a distance of 10.04 feet; thence North 90 degrees 00 minutes 00 seconds East, a distance of 5.50 feet to a point herein referred to as Point "A"; thence continuing North 90 degrees 00 minutes 30 seconds East, a distance of 5.50 feet; thence South 89 degrees 52 minutes 36 seconds West, a distance of 10.06 feet to the south line of said Lot 1; thence North 89 degrees 52 minutes 36 seconds West a distance of 11.00 feet to the point of beginning.

Contains 111 sq. ft., more or less.

UTILITY EASEMENT DESCRIPTION:

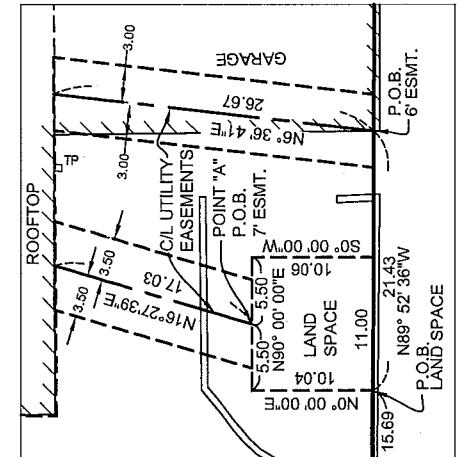
A 7.00 foot wide strip of land for utility purposes over, under and across the hereinbefore described property, lying 3.50 feet on each side of the following described centerline:

Beginning at the herein described Point "A"; thence North 16 degrees 27 minutes 39 seconds East a distance of 17.03 feet and there terminating. Contains 119 sq. ft., more or less.

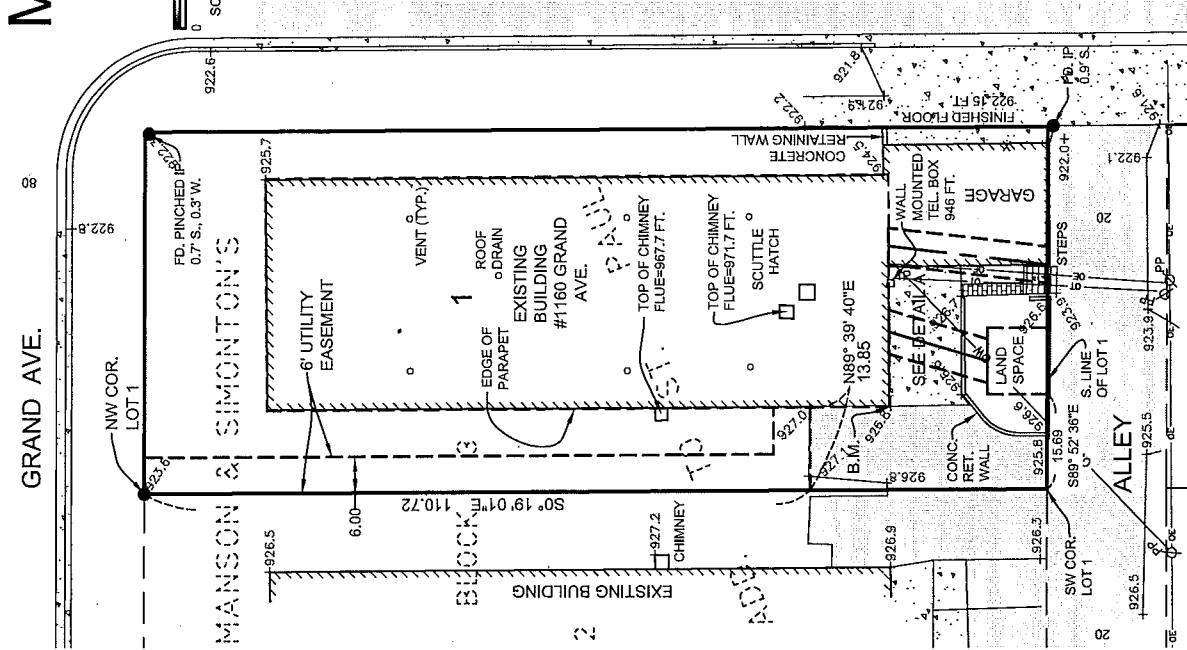
UTILITY EASEMENT DESCRIPTION:

A 6.00 foot wide strip of land for utility purposes over, under and across the hereinbefore described property, lying to the left of and abutting the following described sideline:

Beginning at the Northwest corner of said Lot 1; thence South 00 degrees 19 minutes 01 second East, along the west line of said Lot 1, for a distance of 110.72 feet; thence North 89 degrees 38 minutes 40 seconds East, a distance of 13.85 feet to the west wall of an existing building and there terminating. Contains 711 sq. ft., more or less.



DETAIL A



Date	Description	By
10-08-13	Actual survey measurement MNC	

GENERAL NOTES:

- Plat Recordation No. 1520-204-0007
- Parcel Address 1160 Grand Ave., St. Paul, MN 55101
- Survey performed on May 12, 2013
- Surveyor registered with the State of Minnesota Board of Land Surveyors
- No survey related name listed in Tax Assessment Roll
- Based on the Surveyor's Certificate That It Is Based On The Plat Recorded By MNC Corporation, Inc. On May 12, 2013, Plat No. 10414, Section 10, Block 10, Lot 1.
- PLAT INFORMATION: The information is recorded as of April 10, 2013.
- TOPSPOT: STATE: One Call at (651) 250-1166 for coordinates of triangulation stations.

SOUTHWEST BUILDING CORNER

LATITUDE: 44° 56' 22.43" NORTH
LONGITUDE: 93° 08' 27.88" WEST
ELEVATION AT GROUND: 906.86 FEET
(NAVD 83 & NAVD 88)

SURVEYOR'S NOTE:

DRAWINGS ARE BASED ON THE RAMSEY COUNTY TAX ASSESSMENT DATA AND NAVD 88 (NAD 2011).
BENCHMARKS:
Top of roof parapet at southwest building corner as shown.
Elevation = 904.777 (NAVD 88)

SIGNATURE:

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and control and was made in accordance with the laws of the State of Minnesota.

Signed:

MICHAEL E. RANDON, P.L.S.

Date: 10-08-13

Reg. No. 40105

Ulteig

Ultek Survey Corp. Inc. Engg. & Plat. S. Paul, MN 55126

4225 Laddington Ave. N.

St. Paul, MN 55126

Phone: 651.414.3800 Fax: 651.415.2001

Web: www.ultek.com

Driven By: GS

Approved By: MEC

Project Number: 151007026

Date: October 12, 2013

Sheet: 1 of 1

Surveyor:

V101
http://www.ultek.com/151007026/

Radel, Jamie (CI-StPaul)

From: Jackie Hartman <jackieb.hartman@gmail.com>
Sent: Friday, February 07, 2014 11:57 AM
To: Radel, Jamie (CI-StPaul)
Subject: Re: Cell Phone Tower at Grand & Dunlap

Yes please

Jackie Hartman
1179 Goodrich Ave.
St. Paul, MN 55105

On Fri, Feb 7, 2014 at 9:16 AM, Radel, Jamie (CI-StPaul) <jamie.radel@ci.stpaul.mn.us> wrote:

Ms. Hartman-

If you would like this email to be part of the public record, I need you to include your first and last name as well as your address.

Thank you,

Jamie

Jamie Radel

Planner

Planning and Economic Development

City of St. Paul

25 W. 4th St., Suite 1400
Saint Paul, MN 55102

Telephone: (651) 266-6614

jamie.radel@ci.stpaul.mn.us

From: Jackie Hartman [mailto:jackieb.hartman@gmail.com]

Sent: Thursday, February 06, 2014 8:59 PM

To: Radel, Jamie (CI-StPaul)

Subject: Cell Phone Tower at Grand & Dunlap

Hi There-

I am writing to dissuade the community from putting a cell phone on the corner of Grand & Dunlap. As a long-term neighborhood resident I have several concerns about the proposed tower's location & impact on our community.

1. Alternate options - I'd like to understand the other options Verizon considered when they determined a cell phone tower should go in the Grand/Dunlap location. Why there? It is the center of a densely-populated neighborhood. Surely, there are other locations that are less populated.
2. Health - While some studies suggest that health risks are minimal, other studies uncovered evidence that the microwave radiation from cellular towers is connected to headaches, sleep problems, anxiety and negative cognitive functioning. Until we are confident towers can be proven 100% safe, we should assume that living next to such towers is possibly unhealthy.
3. Property values – we are just climbing out of a long, hard financial recession where property values have declined significantly. Any undesirable development is imprudent given the fragile local economy. Furthermore, many have worked very hard to protect Grand Avenue's unique character & charm. Cell phone towers will only serve as an eye-sore in a quaint, historic neighborhood.

Thank you for your thorough consideration.

Sincerely,

Jackie

Laura Willemsen
1180 Lincoln Ave
St. Paul, MN 55105

To Whom it May Concern:

I am writing this letter to strongly condemn Verizon's proposed installation of 6 antennas and associated equipment on the roof of 1160 Grand Avenue. The reasons to reject this tower are threefold: potential health risks, declining property values and, finally, the likelihood that suitable alternative locations exist in the area whereby Verizon can still serve its customers well.

First, the long term health risks of cellular towers are still unknown, and there is some evidence that there are health risks that could have a strong negative impact on the quality of life for those in the close proximity to such towers. While some studies suggest that health risks are minimal, other peer-reviewed empirical studies uncovered evidence that the microwave radiation from cellular towers is connected to headaches, sleep problems, anxiety and negative cognitive functioning (see study attached). Indeed, most articles exploring the health concerns of cellular radiation end with a call for more research, particularly longitudinal research, into the potential health risks associated with living in the vicinity of such towers. In short, no one yet knows what the long-term health risks are of living in close proximity to a tower that emits microwave radiation for twenty four hours a day, seven days a week, and there is some preliminary evidence to suggest that the risks are real. Until these towers can be proven 100% safe, it is wise to act under the assumption that living next to such towers is possibly unhealthy.

Further, it has been proven that property values are negatively impacted according to their vicinity to cellular antennas (see study attached). While studies understanding health risks are ongoing, there remains a strong public perception that cellular towers are a threat to human health, therefore potential buyers are less likely to buy homes near such towers and property values suffer. The proposed site for this cellular antenna is in a community already contending with the possibility that Ayd Mill will soon connect to I-94, resulting in increased noise and pollution and, ultimately, a possible negative impact on our property values. This tower is yet another affront to the desirability of our neighborhood in the eyes of the home market.

Finally, while 1160 Grand Avenue is in a highly populated residential area, there are several areas in the vicinity that are mainly industrial and/or commercial where it is likely that a cellular tower would pose less of a health and financial threat while still meeting the needs of Verizon customers. Given that radiation is more highly concentrated the closer one is to the vicinity of such towers, and that one's property values are more negatively impacted by such proximity, it makes sense for Verizon to find alternative options where fewer people live.

That there is even a necessity for there to be a public zoning hearing on the proposed cellular tower on 1160 Grand Avenue is an acknowledgement that the tower is bound to carry with it negative repercussions. It is not in our community's interests to allow this tower to be built. Verizon's proposal is one best rejected, and I strongly urge St. Paul's zoning committee to do just that.

Sincerely,

Laura Willemsen

Radel, Jamie (CI-StPaul)

From: Karyn Wrenshall <karynwren@gmail.com>
Sent: Tuesday, February 04, 2014 6:06 PM
To: Radel, Jamie (CI-StPaul)
Subject: Regarding File # 14-088-188

Follow Up Flag: Follow up
Flag Status: Flagged

To Jamie Radel and the St. Paul Planning Commission Zoning Committee:

I am writing regarding File# 14-088-188. This proposal asks permission to install 6 cellular antennas and associated equipment at 1160 Grand Ave. I strongly object to this installation. My neighbors and I share a quiet, residential neighborhood. The proposed structure does not fit the character of our existing homes, and would have a very negative impact on our surroundings.

Please do not permit the installation of these antennas.

Sincerely,
Karyn Wrenshall
1201 Lincoln Avenue

Radel, Jamie (CI-StPaul)

From: Mark King <marktking@mac.com>
Sent: Monday, February 17, 2014 12:09 PM
To: Radel, Jamie (CI-StPaul)
Subject: Regarding permit application 14-088-188

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Mr. Radel -

I'm writing in regard to the following permit application:

14-088-188 Verizon Wireless (postponed to February 27, 2014)

Conditional use permit for 6 cellular antennas and associated equipment on a residential structure less than 60 feet high

1160 Grand Ave, SW corner at Dunlap
RM2

I am the owner and resident of 1177 Lincoln Avenue with my husband, Jonathan Lubin. Our property backs the same alleyway of 1160 Grand Avenue.

I oppose the issuance of this permit because it detracts from the residential character of the neighborhood and introduces visual blight destroying the neighborhood aesthetics. The residences on either side of Grand (Lincoln and Summit) are of a vintage that is not often found in the area, and such blight can negatively affect property/resale values. The proposed antenna would be clearly visible from all the windows on the rear of our house and from the back yard.

I am also concerned that issuance of this permit will result in other requests for other carriers for antenna installations in the neighborhood, further degrading the visual character of this unique and vibrant neighborhood. If this permit is issued, any other permits will have to be issued.

I urge rejection of this permit.

Sincerely, Mark King

Radel, Jamie (CI-StPaul)

From: Ryan Willemesen <rywillemsen@gmail.com>
Sent: Tuesday, February 18, 2014 9:19 PM
To: Radel, Jamie (CI-StPaul)
Subject: Regarding proposed cellular antennas at 1160 Grand

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Jamie

Please add my name to list of residents opposing the proposed cellular antennas at 1160 Grand. I live at 1180 Lincoln Avenue and we can see the roof of this building from our second story. The prospect of looking out over antennas is not appealing, both for us and for potential future owners of our home. Many studies have shown a strong link between the rise of an antenna and the reduction in nearby property values. I support business entrepreneurship but this location appears to benefit one to the detriment of many. There are a number of alternative sites that minimize the negative impacts of the antennas, thereby providing more net benefit. Verizon has not appropriately explored these options, per their own admission.

Thanks for your consideration
Ryan Willemesen

Sent from my iPad

Radel, Jamie (CI-StPaul)

From: Matt Doughty <doughtym@gmail.com>
Sent: Monday, February 10, 2014 5:21 PM
To: Radel, Jamie (CI-StPaul)
Subject: Re: Cell Phone Tower Location

Follow Up Flag: Follow up
Flag Status: Flagged

Jamie:

Thanks for the information. Below is my email re-submitted with the requested information. Thanks.

Jamie:

I am a resident on Goodrich Avenue of nearly 8 years. I would hate to see my gorgeous neighborhood have an unappealing cell phone tower added in the proposed location.

I am strongly opposed to this tower location for aesthetics, property value and potential health concerns to my family and the children attending SPA.

Please take my feelings into consideration when making your decision. My name, address and contact information are below. I am happy to discuss, call with questions.

Matt Doughty
1161 Goodrich Avenue
St. Paul, MN
55105
303-359-1809
doughtym@gmail.com

Thanks for your assistance in this matter,

Matt

On Mon, Feb 10, 2014 at 8:58 AM, Radel, Jamie (CI-StPaul) <jamie.radel@ci.stpaul.mn.us> wrote:

Matt-

If you would like to include this email as part of the official record with the zoning case, you need to provide me with your first and last name and your address in the body of the email.

Thank,

Jamie

From: Matt Doughty [mailto:doughtym@gmail.com]

Sent: Friday, February 07, 2014 5:41 PM

To: Radel, Jamie (CI-StPaul)

Subject: Cell Phone Tower Location

Jamie:

I am a resident on Goodrich Avenue of nearly 8 years. I would hate to see my gorgeous neighborhood have an unappealing cell phone tower added in the proposed location.

I am strongly opposed to this tower location for aesthetics, property value and potential health concerns to my family and the children attending SPA.

Please take my feelings into consideration when making your decision.

I am happy to discuss, call with questions.

Matt

Matthew Doughty
doughtym@gmail.com
303-359-1809

Matthew Doughty
doughtym@gmail.com
303-359-1809

Radel, Jamie (CI-StPaul)

From: Bonnie Genereux <genfam@att.net>
Sent: Thursday, February 13, 2014 8:44 AM
To: Radel, Jamie (CI-StPaul); summithill@visi.com
Subject: verizon wireless

Follow Up Flag: Follow up
Flag Status: Flagged

Jamie, I live right behind the proposed location for Verizon's conditional use permit for 6 cellular antennas and associated equipment. The neighbors on Lincoln are not happy about this. Please count my vote against this proposal. There must be an alternative location that would meet their needs and also allow people to enjoy looking out their windows. My personal concerns are esthetic, health and resale value of our home.

I was unable to attend the meeting on Feb 6 but hope to make the rescheduled meeting with the zoning commission.

Bonnie Genereux
1165 Lincoln Ave.
Sent from my iPad

Re File # 14-088-188

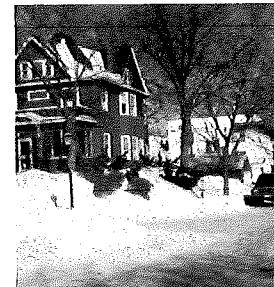
2/27 Hearing

February 21, 2014

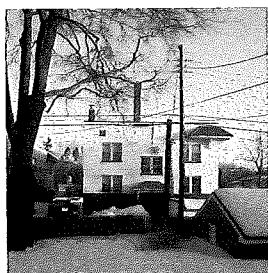
Dear St. Paul Zoning Committee:

We are writing in opposition to Verizon Wireless' application for a conditional use permit for an unsightly cluster of cellular antennas and associated equipment at 1160 Grand Avenue. The site in question is a small vintage apartment building that shares an alley with Lincoln Avenue. That portion of Lincoln is located within the Summit Hill neighborhood—a quaint residential area with numerous historic homes.

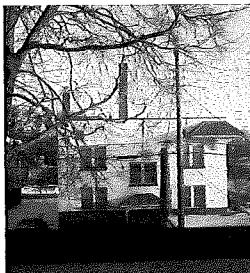
According to Verizon's paperwork, the building at 1160 Grand Avenue is less than 30 feet high. In fact the building is so short that the roof line of the building is lower than the tops of some of the adjacent single-family homes just across the alley on Lincoln Avenue. Thus any equipment placed on top of it will be directly within the sightlines of property owners on Lincoln Avenue:



View of home at 1165 Lincoln and site at 1160 Grand from corner of Dunlap and Lincoln



View from kitchen porch at 1165 Lincoln



View from sleeping porch at 1165 Lincoln



View from sunroom at 1171 Lincoln



View from backyard at 1171 Lincoln

This situation is quite a bit different than other more appropriately placed antennas in the area, such as those located on the St. Thomas More campus (which are surrounded by taller church and school buildings), and the antennas located above Bruegger's on Grand Avenue (which are located on a taller building that sits well above nearby single-family residences).

Subsection (c) of St. Paul City Ordinance Section 61.501 (attached) requires that the use for which any conditional use permit is sought not be detrimental to the character of the neighborhood. Given the nature of the surrounding residential neighborhood on Lincoln Avenue, it would clearly be detrimental to its character to place a mess of ugly metal on top of a small residential building.

In fact, the detrimental nature of the project is likely to impact property values of the adjacent homes on Lincoln Avenue. For example, several of the homes across the alley were built in the late 1800s and early 1900s. In the classic style of that time, some have eating and/or sleeping porches on the north side of the property. The homeowners use

these porches extensively year round. If allowed, Verizon's proposed equipment will permanently mar the homeowners' views from these rooms, as it will the views from nearly all north facing windows of homes located behind 1160 Grand. This will clearly reduce the value of these homes, since it will directly affect some of their unique features. Moreover, this is a slippery slope. If Verizon is allowed to place these antennas in the place and manner proposed there will be little basis for precluding a proliferation of future like projects throughout the historic Summit Hill neighborhood. Thus, because the proposed placement of the equipment will be detrimental to the character of the neighborhood, Verizon's application should be denied.

In addition to Section 61.501, Verizon's application should also be denied because it violates St. Paul City Ordinance Section 65.310. That ordinance (also attached) demonstrates that when a wireless provider wants to place antennas on a residential building that is less than 60 feet high in a residential area, *the wireless provider has the burden* of proving there is no other better alternative location in the area.

The types of "better alternatives" listed by the Ordinance include:

- Existing free-standing poles
- Residential structures that are taller than 60 feet
- Institutional use structures, such as churches, schools and rec centers
- and business buildings.

In a cursory effort to appear to have met the ordinance's requirements, Verizon has submitted paperwork to the City that lists a handful of buildings it has supposedly considered within the required half-

mile radius. However, the list is clearly not exhaustive. In fact, Verizon's radius map and legend demonstrates that it only really considered five buildings.¹ However, anyone who familiar with the area knows there are several other buildings in the half-mile radius that are not listed that fit the Section 65.310 (c) criteria listed above.

One glaring example is Kowalski's Market,² which sits back away from nearby homes, has elevated office space behind the main store and has expansion plans which will include additional mezzanine level space. At the Summit Hill Zoning Board Meeting the representative for Verizon indicated it was his understanding Verizon did not consider Kowalski's because it was not within the radius Verizon considers desirable for its purposes. There are two obvious problems with that position. 1) Verizon does not get to self-limit the area of its search to less than the half-mile radius the Ordinance requires. Rather it is Verizon's burden to come up with a solution that satisfies the statute and does not negatively impact the character of the neighborhood. 2) Even if it were permissible for Verizon to self-limit its search to a smaller area, it apparently approached Mount Zion Temple, which is in fact farther west than Kowalski's.³

¹ The other ten locations listed are actually single family homes, and thus unlikely (for good reason) to have actually have been seriously considered.

² We are not specifically recommending other locations.

³ Moreover, even setting aside Kowalski's and the numerous other business and other buildings that were improperly excluded or not considered by Verizon, some of Verizon's claims as to why they have ruled out

Moreover, even setting buildings that were simply omitted, the reasons listed for excluding the few sites that were considered are suspect. In fact the spokesperson that represented Verizon at the Summit Hill Zoning Board hearing indicated that an issue with at least one of the locations was a failure to come to agreement with respect to the lease rate. Verizon is a multibillion dollar corporation. It has the means to pay to place its proposed antenna in a more appropriate spot. Thus, Verizon should be obliged to do so rather than be allowed to essentially dump its equipment in our neighborhood.

Thus, because Verizon did not undertake an exhaustive effort to demonstrate that there are no better alternatives within the scope of Section 65.310, its application must be denied for that reason as well.

Thank you in advance for your time and careful consideration of this matter.

Sincerely,

Amanda Karls and Andrew Rorvig—1171 Lincoln Avenue
Karyn Wrenshall—1201 Lincoln
Winnie Moy—1185 Lincoln
Andy and Gina McCabe—1186 Lincoln
Laura and Ryan Willemsen—1180 Lincoln
Tom and Kristi Kuder—1176 Lincoln Avenue
Connie Kuhn—1191 Lincoln Avenue
Jonathan Lubin and Mark King—1177 Lincoln Avenue
Steve Hancock and Jill Stedman—1200 Lincoln Avenue
Bonnie and Mark Genereux—1165 Lincoln Avenue
Lyndon and Christy Shirley—1187 Lincoln Avenue
Rudolf Bachofner and Elizabeth Day—1188/1190 Lincoln Avenue
Joe and Carol Bell—1196 Lincoln Avenue

CC: Councilmember Dave Thune
w/enclosures

some of the small number of locations it actually did consider are dubious. For example, St. Thomas More was excluded because they were “unwilling to lease space at required height.” In fact, if with exception of a small garage building all of the buildings located on the St. Thomas Moore Campus, including the building where other cell phone antennas are located, are all taller than the proposed site at 1160 Lincoln.

Sec. 61.501. Conditional use permit, general standards.

Before the planning commission may grant approval of a conditional use, the commission shall find that:

- (a) The extent, location and intensity of the use will be in substantial compliance with the Saint Paul Comprehensive Plan and any applicable subarea plans which were approved by the city council.
- (b) The use will provide adequate ingress and egress to minimize traffic congestion in the public streets.
- (c) The use will not be detrimental to the existing character of the development in the immediate neighborhood or endanger the public health, safety and general welfare.
- (d) The use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district.
- (e) The use shall, in all other respects, conform to the applicable regulations of the district in which it is located.

Sec. 65.310. Antenna, cellular telephone.

A device consisting of metal, carbon fibre, or other electromagnetically conductive rods or elements, usually arranged in a circular array on a single supporting pole or other structure, and used for the transmission and reception of radio waves in wireless telephone communications.

Standards and conditions:

- (a) In residential districts, a conditional use permit is required for cellular telephone antennas on a residential structure less than sixty (60) feet high. In residential, traditional neighborhood and business districts, a conditional use permit is required for cellular telephone antennas on a freestanding pole, except for existing utility poles. In residential and traditional neighborhood districts, existing utility poles to which cellular telephone antennas are attached shall be at least sixty (60) feet high.
- (b) In residential, traditional neighborhood, and OS—B3 and B5 business districts, the antennas shall not extend more than fifteen (15) feet above the structural height of the structure to which they are attached. In B4 business and industrial districts, the antennas shall not extend more than forty (40) feet above the structural height of the structure to which they are attached.
- (c) For antennas proposed to be located on a residential structure less than sixty (60) feet high in residential districts, or on a new freestanding pole in residential, traditional neighborhood, and business districts, the applicant shall demonstrate that the proposed antennas cannot be accommodated on an existing freestanding pole, an existing residential structure at least sixty (60) feet high, an existing institutional use structure, or a business building within one-half ($\frac{1}{2}$) mile radius of the proposed antennas due to one (1) or more of the following reasons:
 - (1) The planned equipment would exceed the structural capacity of the existing pole or structure.
 - (2) The planned equipment would cause interference with other existing or planned equipment on the pole or structure.
 - (3) The planned equipment cannot be accommodated at a height necessary to function reasonably.
 - (4) The owner of the existing pole, structure or building is unwilling to co-locate an antenna.
- (d) In residential, traditional neighborhood and business districts, cellular telephone antennas to be located on a new freestanding pole are subject to the following standards and conditions:
 - (1) The freestanding pole shall not exceed seventy-five (75) feet in height, unless the applicant demonstrates that the surrounding topography, structures, or vegetation renders a seventy-five-foot pole impractical. Freestanding poles may exceed the above height limit by twenty-five (25) feet if the pole is designed to carry two (2) antennas.
 - (2) Antennas shall not be located in a required front or side yard and shall be set back one (1) times the height of the antenna plus ten (10) feet from the nearest residential structure.
 - (3) The antennas shall be designed where possible to blend into the surrounding environment through the use of color and camouflaging architectural treatment.

Drawings or photographic perspectives showing the pole and antennas shall be provided to the planning commission to determine compliance with this provision.

- (4) In residential and traditional neighborhood districts, the pole shall be on institutional use property at least one (1) acre in area. In business districts, the zoning lot on which the pole is located shall be within contiguous property with OS or less restrictive zoning at least one (1) acre in area.
- (e) In industrial districts, cellular telephone antennas on a freestanding pole shall not exceed one hundred fifty (150) feet in height, shall not be located in a required front or side yard, and shall be set back one (1) times the height of the antenna plus ten (10) feet from the nearest residential structure.
- (f) Antennas located in historic districts shall be subject to review and approval of the heritage preservation commission.
- (g) Freestanding poles shall be a monopole design.
- (h) Transmitting, receiving and switching equipment shall be housed within an existing structure whenever possible. If a new equipment building is necessary, it shall be permitted and regulated as an accessory building, section 63.500, and screened from view by landscaping where appropriate.
- (i) Cellular telephone antennas that are no longer used for cellular telephone service shall be removed within one (1) year of nonuse.

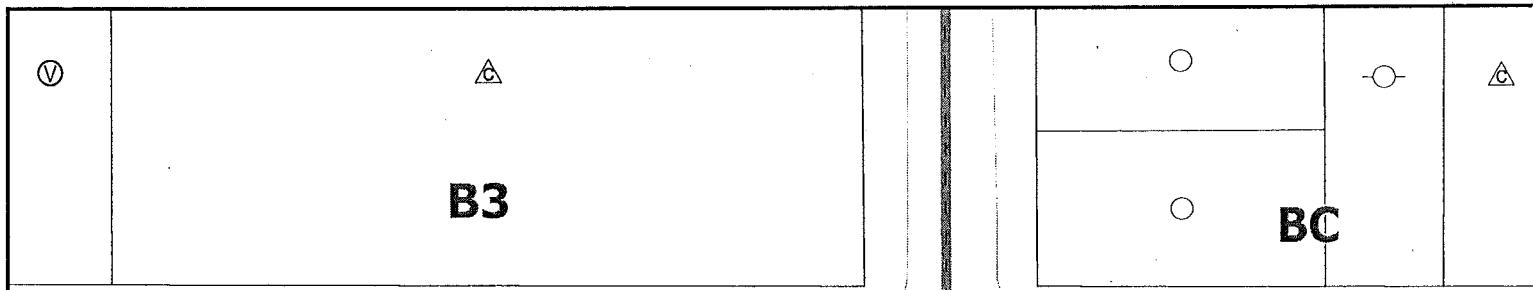
GISmo Oblique Photography

Images courtesy of: Microsoft® Virtual Earth™ 2006

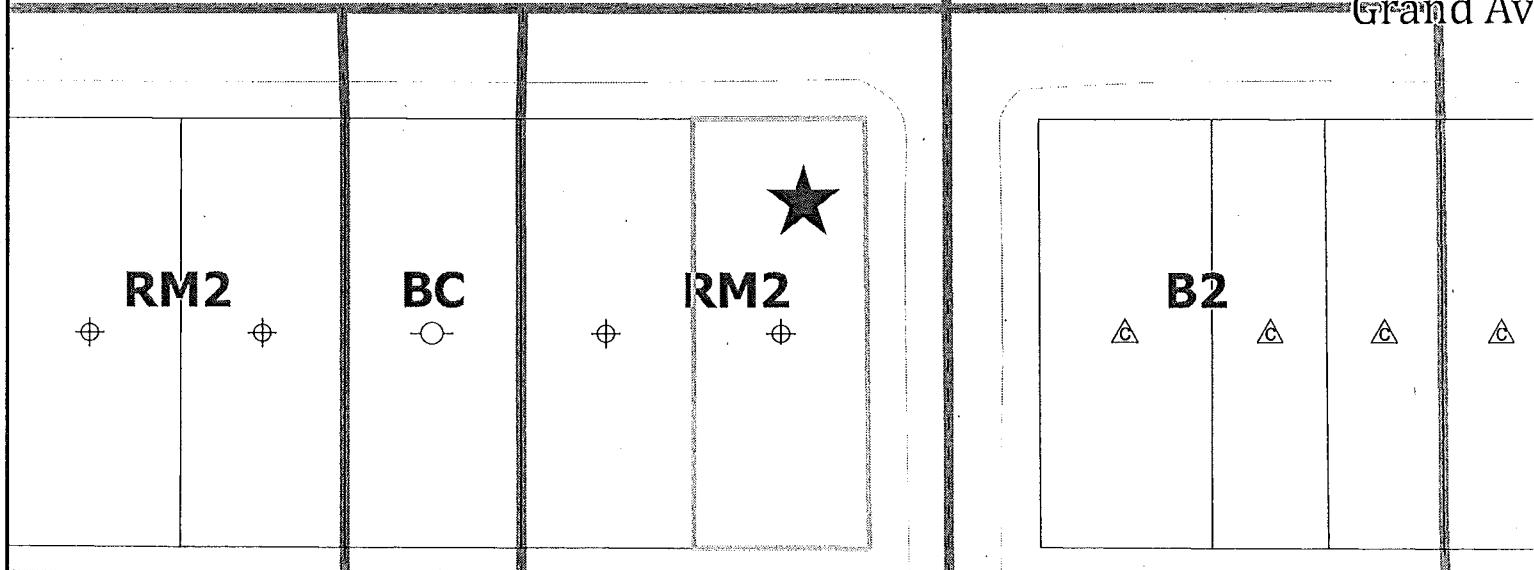
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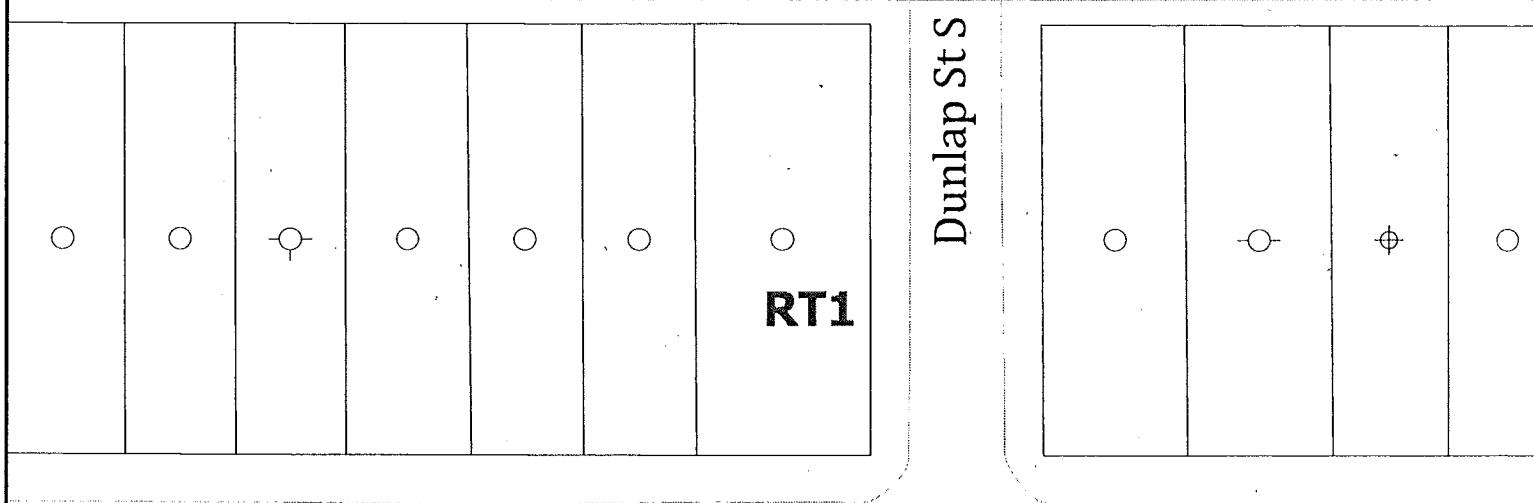
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Grand Av



B2



Dunlap St S

Lincoln Ave

0 25 50 100 150 200 Feet

APPLICANT Verizon Wireless

APPLICATION TYPE Conditional Use Permit

FILE # 14-088188 DATE 1-16-14

PLANNING DISTRICT 16

ZONING MAP # 14

- | | | | |
|-------------------------------------|----------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | Commercial & Office | <input type="checkbox"/> | Residential One Family |
| <input checked="" type="checkbox"/> | Industrial & Utility | <input type="checkbox"/> | Residential Two Family |
| <input type="checkbox"/> | Institutional | <input type="checkbox"/> | Residential Three Family |
| <input checked="" type="checkbox"/> | Vacant/Undeveloped | <input type="checkbox"/> | Multifamily |

