Cary, NC 27519

Property Owners: Del B. Stall and Robyn R. Stall, 2241 NE 142nd Avenue, Elkhart, IA50073

Request: Approval of a Conditional Use Permit for a new 157-foot tall monopole communication tower at 2241 NE 142nd Avenue to serve as the site for T-Mobile radio equipment cabinets and antenna. An lowa DOT project is requiring the removal of the existing T-Mobile communication tower on the property to the north across NE 142nd Avenue. The proposed tower will replace and fill the coverage gap created by the removal of the existing tower.

Subject Property / Surrounding Land Uses:

The subject property is located at 2241 NE 142nd Avenue, Elkhart, and is legally described as a portion of the Northwest Quarter of Section 19, Township 81 North, Range 23 West of the 5th P.M. (Elkhart Township). The subject property is approximately 155.73 acres in size and is zoned "AG" Agricultural District. The site is owned by Del B. Stall and Robyn R. Stall and is used for agricultural production and contains a home and several buildings used for their operation. In the northeast corner of the property there is an existing U.S. Cellular tower that is contained within a 100' X 100' lease area and takes access from NE 142nd Avenue via a 30' foot wide access and utility easement. The proposed tower is to be located just to the west of the existing tower on site.

The subject property is located at the southeast corner of NE 22nd Street and NE 142nd Avenue. The subject property is approximately three quarters (3/4) of a mile east of the City of Alleman and one (1) mile north of the City of Ankeny corporate limits. Interstate 35 runs parallel to the eastern boundary of the property. Surrounding properties are also zoned "AG" Agricultural District and primarily utilized in row crop production. There are a few residential homes in the surrounding area, which appear to be located on existing area farming operations. See *Attachment A* for a vicinity map of the subject property and surrounding area. The existing communication tower located on the subject was established with an approved Conditional Use Permit and site plan in 2002.

Application

The Polk County Zoning Ordinance, *Article 4: Use Regulations, Division 2, Table 4.1, Table of Uses* permits Communication Towers within the "AG" Agricultural District upon the granting of a Conditional Use Permit by the Polk County Board of Adjustment. The subject property is owned by Del B. Stall and Robyn R. Stall and is used for row crop production while also containing their farmstead. The applicants, TowerCo 2013 LLC represented by David Hockey, are proposing a new 157-foot tall monopole communication tower to be located in the northeast corner of the subject property, just to the west of the existing U.S. Cellular tower. The tower would provide T-Mobile coverage and replace the tower on the property to the north that is to be removed for an lowa DOT expansion project along Interstate 35. The old tower on the north side of NE 142nd Avenue will be removed by TowerCo four (4) weeks after the new tower is complete and equipment has been transferred. See *Attachment B* at the end of this report for a copy of the application.

In addition to the 157-foot monopole tower, also proposed is fencing, landscaping materials, and a 230 square feet (20' x 11.5') area for T-Mobile equipment cabinets. A proposed 12-foot wide access drive will connect the tower site to the gravel access driveway and entrance in the northeast corner of the property. Under Article 15, Construction Standard, of the Zoning Ordinance the tower drive may be a granular surface, but must maintain a durable and dust free surface. The new gravel access drive will be contained within a 30-foot access and utility easement. The new access will also be extended to provide access to the existing tower to the east, as the current access drive for the exiting tower is now within the expanded lowa DOT ROW. See *Attachment C* at the end of this report for a copy of the draft site plan showing the proposed location of the tower and associated improvements on the subject property.

The proposed setbacks for the tower are approximately 157 feet from the northern property line/lowa DOT ROW line along NE 142nd Avenue, 364 feet from the eastern property line parallel to Interstate 35, and over 2000 feet to the southern and western property lines. The proposed tower location meets the minimum nonresidential setback requirements for the "AG" Agricultural District. Also, the tower is setback 157 feet from the property line and all other structures to provide a sufficient radius of clear land and ensure that a tower collapsed will be contained within the property. There is no height limit for communication towers within the "AG" Agricultural District so long as all other provisions can be met. If this Conditional Use Permit application is approved, the applicants are required to submit an engineered site plan to Polk County for review and approval prior to construction. The site plan is required to demonstrate compliance with the standards for commercial communication towers, including minimum setbacks, landscaping, and nonresidential performance standards within the "AG" Agricultural District. Following site plan approval, review of construction plans and issuance of a building permit is also required from Polk County Public Works prior to construction.

Public Testimony

Staff mailed out a total of six (6) notices regarding this request, including the date and time of the public hearing, to surrounding property owners within the 500-foot notification boundary. To-date staff has received zero (0) responses regarding this application.

Natural Resources / Environmental

The subject property is not located within a mapped floodplain, nor does it contain other mapped environmental hazards or features. The site topography contains some minor undulations that are common in row crop production fields with a gradual slope from the northwest corner to the southeast corner of the property. There is a high elevation of approximately 1014 feet within the farmstead in the northwest corner of the property, and a low elevation of approximately 990 feet within a drainage swale in the southeast corner of the property. The site contains some existing mature trees on the farmstead in the northwest corner and some landscaping around the existing tower in the northeast corner. Additional landscaping would be required to screen the communication tower and associated equipment.

Roads / Utilities

The subject property has approximately 2,571 feet of frontage to the north onto NE 142nd

Avenue, and approximately 2,634 feet of frontage to the east onto NE 22nd Street. The site currently has two existing driveway entrances onto NE 142nd Avenue, one for the farmstead and another for the existing communication tower. The tower site will be accessed via a proposed 12-foot wide drive extending north and south to a proposed gravel driveway entrance to be placed within a 30-foot access and utility easement. This proposed gravel entrance will also serve the existing tower to the east, as the existing entrance will become DOT ROW. Both NE 142nd Avenue and NE 22nd Street are hard surface roadways maintained by Polk County. Public water is adjacent to the property along both NE 22nd Street and NE 142nd Avenue through Des Moines Water Works (DMWW). The three (3) inch water line along NE 142nd avenue only extends as far as the farmstead in the northwest corner of the site. The existing home on the site is served by an onsite septic system. The proposed communication tower does not require water or sanitary utilities.

Findings

Conditional Use Permit (23/12519)

Analysis

The Board of Adjustment in reviewing an application for a Conditional Use permit shall consider the proposal in terms of the following:

1. Existing zoning and land use in the vicinity of the uses.

The subject property and surrounding area are zoned "AG" Agricultural District, and primarily dedicated to row crop production with a few rural residences. Interstate 35 runs parallel to the subject properties eastern boundary.

2. Planned and proposed public and private development, which may be adversely affected by the proposed use.

There are no planned or proposed private developments in the area. The tower is being proposed in conjunction with the required removal of an existing tower on an adjacent property due to an lowa DOT Project. This proposal will support the lowa DOT in ensuring there are no delays in their progress.

3. Whether and to what extent the proposed use, at the particular location for which it is suggested, is necessary or desirable to provide a development which is in the interest of the public convenience or which will contribute to the general welfare of the area or Polk County.

The proposed wireless communication facility will fill the coverage gap created by the removal of the existing on-air tower on the property to the north to accommodate an Iowa DOT project. Maintaining T-Mobile coverage in the area is in the interest of the public and E911 services.

4. Whether and to what extent all steps possible have been taken by the developer to minimize any adverse effects of the proposed use on the immediate vicinity and on the public health, safety and welfare in general.

If approved, the applicants are required to provide a fully engineered site plan to demonstrate compliance with the County's siting requirements for communication towers.

Furthermore, they have proposed a setback from the property line that will pose no risk to adjacent properties and ROW's in the case of structural failure.

Findings

The application shall be denied if the Board of Adjustment finds any of the following:

- a. The application and record fail to establish compliance with the standard made applicable to the proposed development by the provision of this Ordinance.

 Following approval of the Conditional Use Permit the applicants are required to provide an engineered site plan, as well as construction plans, for review and approval by Polk County, prior to any construction.
- b. The proposed use, developed in the proposed manner, and at the proposed location, would be inconsistent with the standards pursuant to the provisions of this Ordinance. The proposed site contains an existing utility tower. The proposed communication tower and improvements are compatible with the existing nature of the property. Additionally, required site plan and building permit review will ensure compliance with all County requirements for the use.
- c. The adverse impacts on the overall public health, safety and welfare are not balanced by the public or private benefits of the proposal. The Board of Adjustment shall include in this balance, any proposals of the applicant and any conditions that it might impose on the development, pursuant to the provisions of this Ordinance, to ameliorate problems associated with the development.

Future site plan and building permit review will ensure the established standards for communication towers are met, with the intent of protecting the public health, safety and welfare.

In addition, no application for a Conditional Use Permit shall be approved unless the Board of Adjustment specifically finds the proposed conditional use appropriate in the location for which it is proposed. This finding shall be based on the following criteria:

- A. The proposed use is not in harmony with the general purpose, goals, objectives, and standards of the following:
 - **1. Polk County Comprehensive Plan:** The proposal is consistent with the goals and policies of the 2050 Polk County Comprehensive Plan.
 - **2. Polk County Zoning Ordinance:** The Ordinance allows the proposed use pending approval of this Conditional Use Permit by the Board of Adjustment, and pending the following: Future approval of an engineered site plan, building permit review, issuance and inspections, as well as completion of all improvements and issuance of a certificate of use by Polk County Public Works.
 - 3. Other plan, program, map, or ordinance adopted, or under consideration pursuant

to official notice, by the County: None.

- B. The proposed location of the use is not consistent with policies or provisions of the following:
 - **1. Comprehensive Plan:** The proposed use is consistent with the goals and policies of the 2050 Polk County Comprehensive Plan.
 - 2. Polk County Zoning Ordinance: Communication towers are allowed within the "AG" Agricultural District, subject to approval of a Conditional Use Permit by the Board of Adjustment.
 - 3. Other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County: None.
- C. The proposed use at the proposed location results in a substantial or undue adverse effect on any of the following either as they now exist or as they may in the future be developed as a result of the implementation of provisions and policies of the Comprehensive Plan, this Ordinance, or any other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County or other governmental agency having jurisdiction to guide growth and development:
 - agriculturally in row crop production. Interstate 35 runs along the east border of the subject property. There are a few residences nearby, with the closest over 500 feet away from the proposed tower location. Most of the residences also appear to be located on active farming operations in the area and occupied by area farmers. Property owners within 500 feet were notified of this request, and no comments have been received to-date. The current zoning and future land use of the larger surrounding area is agricultural.
 - **2. Character of the neighborhood:** All surrounding property is zoned and utilized agriculturally, with the exception of a few sparse residences and the existing communication tower on site.
 - **3. Traffic conditions:** The proposed communication tower use will generate little to no traffic.
 - **4. Parking:** The proposed use will not generate additional onsite or offsite parking.
 - **Public improvements:** No impact upon future public improvements is anticipated. The proposed tower will replace a tower to be removed for an lowa DOT project.
 - **6. Public sites or rights-of-way:** No impact upon public sites or adjacent rights-of-way is anticipated.

- 7. Other matters affecting the public health, safety, and general welfare: None.
- D. The proposed use in the proposed area is not adequately served by or imposes an undue burden on any of the following.
 - **1. Public improvements:** Adequate for proposed use.
 - **2. Public facilities:** Adequate for proposed use.
 - **3. Public utilities:** Adequate for proposed use.
 - **4. Public services:** Adequate for proposed use.

Recommendation

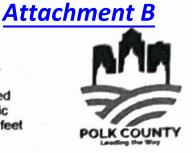
Staff recommends approval of the Conditional Use Permit to allow for the construction of a new 157-foot tall communication tower and associated improvements on the subject property, subject to the following conditions of approval:

- 1. The applicants shall submit a Major Site Plan drawing from an Iowa licensed engineer certifying the proposed tower design and associated improvements meet the minimum safety requirements and use standards for communication towers contained within the Polk County Zoning Ordinance. The Major Site Plan drawing shall be approved prior to any construction activity. Prior to issuance of a certificate of use, all required site improvements shall be completed and inspected by Polk County. The applicant shall meet Polk County Air Quality Division construction and operation permit requirements for the generator planned within the lease area.
- 2. The applicant shall keep any dirt, mud and debris from accumulating on adjacent roads during and after construction of the drive, lease area and tower.
- 3. Building and electrical permits shall also be obtained after the site plan drawing is approved.
- 4. The applicant shall submit evidence of meeting FCC and FAA requirements.



Conditional Use Permit Application

Conditional Uses are those uses which may have a special impact or uniqueness demanding closer scrutiny and analysis to the site and the surrounding environment. When such a use is proposed, a review and report by Planning Division staff of the location, design, configuration, and impact will be conducted, comparing the proposed use to fixed standards and presented to the Board of Adjustment for action at a public



of the subject property.

Please complete the entire application, submit with fee and review the standards on page 3.

hearing. Notices of the request are mailed to all property owners located within 500 feet

| • | | | |
|--|-------------------|-----------------------------|--------------------------------|
| To: Polk County Board of Adjustment | | | |
| The undersigned Petitioners request that Conditional Use Permit for the following use: Proposed 150' monpole contained within a 50'x50' fenced compound. | (Describe briefly | the nature of the use.) | a |
| compound as well as their antennas on tower | | | - |
| 2. Subject Property Address: 2241 NE 14 | 2nd Avenue | | |
| 3. Subject Property District and Parcel Number | er: 210-0025 | 5-001-000 | - |
| Subject Property Legal Description (attach Lagal Description on Page 4 of the accompanying construction drawing | | | (time stamp) Official Use Only |
| | | | - L |
| 5. Filing Fee: - \$435.00 | 4.15 | | - |
| 6. Applicant(s) Information: | | 1 1 0 | |
| TowerCo 2013 LLC | Fun | 1 Loclen | 02/17/23 |
| Applicant (Print Name) | Signature | N 7 | Date |
| Lease hold interest | | dhockey@tower | co.com |
| Interest in Property (owner, renter, perspective | buyer, etc.) | Email | |
| 5000 Valleystone Drive, Cary, NC | 27519 | (919) 653-5 | 746 (919) 469-5530 |
| Address, City, State and Zip | 19 | Phone | Fax |
| 7. Applicant(s) Representative: if the appeal is going to be represented by som | neone other than | the applicant please prov | vide that information below. |
| David Hockey | TowerCo 2 | 2013 LLC | |
| Applicant Representative (Print Name) | Firm or Busine | ess Name | |
| 5000 Valleystone Drive, Cary, NC | 27519 | | |
| ddress, City, State and Zip | | | × × |
| dhockey@towerco.com | | (919) 653-5746 | (919) 469-5530 |
| mail | | Phone | Fax |
| Property Owner Consent: | | | |
| he application must be signed by all the Title | eholders, Contra | ct Purchasers, or Option | n Purchasers of the subject |
| operty. The application may also be signed by athority to sign for a property owner. (if addition | the Registered A | dent for a corporation or a | that namen with cimilar land |
| Del Stall | | Stall | 2/20/23 |
| rint Name) | Signature | 1 | Date |
| 20byn Stall | 121 | A OA | $\frac{2 30 >3}{\text{Date}}$ |
| rint Name) | Signature | | Date |
| | | | |

| 9. | Written description: | |
|-----|---|------|
| Ple | ease provide a written description providing specific detail and reasons for the proposed Conditional Use Permit. (attack | ı if |
| nec | cessary) | |

| See attached document addressing all requirements of section 4 (L) of the Polk County Zoning Ordinance |
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- 10. Required Information: (must be included prior to making submittal)
 - A. Complete Application including the detailed description of requested Conditional Use Permit, including specific information about the request.
 - B. Submit six (6) copies of a fully dimensioned, to scale site plan meeting site plan requirements, as required.
 - 1. Provide additional information as required by Zoning Ordinance specific to the use requested.
 - 2. Submit a reduced size, 11"X17" site plan that is legible that can be reproduced.

A completed application with required information and filing fee must be submitted. Incomplete submittals will not be processed and will be returned to the Applicant.

Return forms to: Polk County Public Works, Planning & Development Division 5885 NE 14th Street

Des Moines, IA 50313

• Phone (515) 286-3705 • Fax (515) 286-3437 •

email: PublicWorks@polkcountyiowa.gov

Forms available online http://www.polkcountyiowa.gov/PublicWorks/ BOA Calendar Calendar

| OFFICIAL USE ONLY | | | | | |
|---------------------------|--|--|--|--|--|
| Received by Docket Number | | | | | |
| Application deadline | Date Received | | | | |
| BOA meeting date | To the district and the second | | | | |

Conditional Use Permit Standards

Section 1. Review Standards

The review determines whether the proposed use should be permitted by weighing public need for and benefits to be derived from the use against the local impact which it may cause. The review shall consider the proposal in terms of:

- (A) Existing zoning and land use in the vicinity of the use; and
- (B) planned and proposed public and private developments which may be adversely affected by the proposed use; and
- (C) whether and to what extent the proposed use, at the particular location for which it is suggested, is necessary or desirable to provide a development which is in the interest of the public or which will contribute to the general welfare of the area or Polk County; and
- (D) whether and to what extent all steps possible have been taken by the developer to minimize any adverse effects of the proposed use on the immediate vicinity and on the public health, safety and welfare in general.

Section 2. General Standards

No application for a conditional use permit shall be approved unless the Board of Adjustment specifically finds the proposed conditional use appropriate in the location for which it is proposed. This finding shall be based on the following criteria:

The proposed use shall be in harmony with the general purpose, goals, objectives, and standards of the Polk County Comprehensive Plan, this Ordinance, or any other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County.

- (A) The proposed location and use shall be consistent with policies or provisions of the Comprehensive Plan, this Ordinance, or other plans or programs of the County.
- (B) The proposed use at the proposed location shall not result in a substantial or undue adverse effect on adjacent property, the character of the neighborhood, traffic conditions, parking, public improvements, public sites or rights-of-way, or other matters affecting the public health, safety, and general welfare, either as they now exist or as they may in the future be developed as a result of the implementation of provisions and policies of the Comprehensive Plan, this Ordinance, or any other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County or other governmental agency having jurisdiction to guide growth and development.
- (C) The proposed use in the proposed area will be adequately served by, and will not impose an undue burden on, any public improvements, facilities, utilities, and services. Where any such improvements, facilities, utilities, or services are not available or adequate to service the proposed use in the proposed location, the applicant shall, as part of the application and a condition to approval of the proposed conditional use permit, be responsible for establishing ability, willingness, and binding commitment to provide such improvements, facilities, utilities, and services in sufficient time, and in a manner consistent with the Comprehensive Plan, this Ordinance, and other plans, programs, maps, and ordinances adopted by Polk County to service the development. The approval of the conditional use permit shall be conditioned upon such improvements, facilities, utilities, and services being provided and guaranteed by the applicant.

(K) Communication Towers.

Radio or TV broadcasting towers, telecommunications towers, antenna arrays (except residential satellite dishes). All towers shall be located so that they do not interfere with radio and television reception in residential areas. All towers shall meet the Ankeny Regional Airport Tall Structures Zoning Ordinance.

The following regulations apply to all commercial communication towers except for ham and citizen band radios.

(1) Height. The maximum height for a commercial communication tower in the HI District and LI District is 350'. The maximum height in the GC and AT Districts is 180'. There is no maximum height for commercial communications towers in the AG District.

RESPONSE

The proposed tower will be 150' (to top of steel, 157' including the lightning rod). Therefore, this requirement has been satisfied.

(2) Setbacks. A commercial communication tower and any accompanying structure must meet the standard nonresidential setbacks for the underlying district. In addition to the setback requirements, there must be sufficient radius of clear land around the tower so that its collapse will be contained on this property. Unless the collapse radius is otherwise specified and certified by an engineer licensed in lowa, the tower shall be set back from the property line a distance equal to the height of the tower and antenna. Also, there must be enough area for a vehicle doing maintenance to maneuver on the property.

RESPONSE

The proposed tower is setback 157' from the property line (height of the tower). Therefore, this poses no threat to public safety and complies with the requirement of this section.

(3) Lighting. Towers located within one (1) mile of a residential zoning district shall use dual lighting system strobe during the day and red incandescent lighting, at night or only red incandescent lighting, subject to FAA requirements.

RESPONSE

The proposed tower does not require review by the FAA. Nor does it require lighting and TowerCo does not propose lighting it. Therefore, this requirement is not applicable.

- (4) Landscaping.
 - (a) The adverse visual impact of a tower shall be minimized through design, location and landscape screening around the tower base and any associated structures. Innovative camouflaging techniques may also be used to minimize the visual impact of a tower. The landscape screening requirement

may be waived by the Zoning Administrator under the following situations:

- 1) The tower is located in the midst of a wooded area and the existing vegetation will provide sufficient screening for the duration of the use.
- 2) The tower is located in a rural district and in a farm field at least 660' away from an existing or known proposed use or public space where the landscape screening will not be visible from the public roadway.
- (b) All landscaping must consist of evergreens or hedge shrubs located outside of any fenced area but within the leased area. Landscaping materials shall be adequately spaced to provide screening. Minimum plantings shall be six (6) foot minimum height for evergreen or four (4) foot minimum height for hedge shrubs at time of planting.

RESPONSE

Please refer to Sheet C2 and L1 of included construction drawings. TowerCo is proposing to plant 4' Spartan Junipers surrounding the fenced compound to screen the base from surrounding views. This complies section 2b above allowing four foot hedge shrubs at time of planting. This requirement has been satisfied.

(5) Signs. No signs bearing advertising will be permitted on the fence surrounding the tower. Warning, danger, high voltage or similar signs are allowed.

RESPONSE

TowerCo only proposed FCC signage and site labeling identifying site ownership. There will be no advertising signs as part of this proposal. Therefore, this requirement has been satisfied.

- (6) Co-location. An applicant shall provide a certification by a registered engineer licensed in the State of lowa that the proposed commercial communication tower is designed, structurally and electrically, to permit at a minimum three (3) antenna systems of comparable size to be added to the original tower. A new commercial communication tower shall not be approved unless the communication equipment for the proposed tower cannot be accommodated on an existing or approved tower within a one mile search radius of the proposed tower due to one or more or the following reasons as documented by a licensed engineer in the State of lowa:
 - (a) The planned equipment would exceed the structural capacity of the existing or approved tower.
 - (b) The planned equipment would cause interference materially impacting the usability of other existing or planned equipment at the tower.
 - (c) Existing or approved towers cannot accommodate the planned equipment at a height necessary to function reasonably.

(d) Other unforeseen reasons that make it infeasible to locate the planned communications equipment upon an existing or approved tower.

RESPONSE

Please find enclosed a copy of the tower designs, signed and sealed by a professional engineer licensed in Iowa. Page 2 of this design confirms through the tower profile as well as design table that the tower will be capable of 3 antenna systems of comparable size. Therefore, this requirement has been satisfied.

TowerCo is proposing to replace our existing tower on the north side of 142nd Ave with a new tower due to the proposed DOT highway project. As a result, we have chosen to pursue a new tower on the south side of 142nd Ave. The existing US Cellular tower on the south side of 142nd has not been selected for colocation of T-Mobile's equipment due to the uncertainly of that tower's ground lease. This lease will terminate in under 10 years with no guarantee of renewal. With no long term certainly for this site, T-Mobile could not collocate in good faith knowing that this tower may not remain on the property in the future. Therefore, this requirement has been satisfied.

(7) Abandoned or Unused Towers. The applicant shall present a signed lease agreement, a recorded declaration of covenants or other satisfactory evidence showing that the owner/operator of a tower is obligated to promptly remove the tower at the end of the lease term or when the antenna thereon is no longer used, and that the site will be returned to original condition. If a tower is granted a conditional use permit, the conditional use permit will terminate when the lease

for the site terminates or when the antenna is no longer in use.

RESPONSE

TowerCo has included a redacted copy of the executed ground lease confirming that it contains removal language. Please see page 2, Section 6, subsection (a) which confirms the tower will be removed at TowerCo's expense within 180 days of the termination of the lease. Therefore, this requirement has been satisfied.

(8) Safety. The tower design and construction must be certified by a registered engineer. The tower must meet all applicable FCC and FAA requirements.

RESPONSE

TowerCo acknowledges and confirms that the proposed facility will meet all requirements of the FCC and FAA. Additionally, we have included the tower designs and construction drawings signed and sealed by a registered engineer. Therefore, this requirement has been satisfied.

(9) Equipment Cabinets and buildings. No spacing requirements between equipment cabinets. Equipment buildings must be separated a minimum of 10 feet.

RESPONSE

TowerCo acknowledges and will comply with the requirements of this section.

Conditional Use Permit Standards

Section 1. Review Standards

The review determines whether the proposed use should be permitted by weighing public need for and benefits to be derived from the use against the local impact which it may cause. The review shall consider the proposal in terms of:

Existing zoning and land use in the vicinity of the use; and

RESPONSE:

The property's current zoning is AG being used as a farm field by property owner.

planned and proposed public and private developments which may be adversely affected by the proposed use; and

RESPONSE

The projected is being proposed in response to a DOT project which requires the removal and relocation of the existing tower's location on the north side of 142nd Ave Therefore, this project is in direct response to assist DOT with their capital improvement project.

whether and to what extent the proposed use, at the particular location for which it is suggested, is necessary or desirable to provide a development which is in the interest of the public or which will contribute to the general welfare of the area or Polk County; and

RESPONSE

The proposed wireless communication facility is necessary due to the fact that it's existing on air site across the street has to be removed in order to accommodate the DOT project. Therefore, it is in the interest and general welfare of the area to maintain wireless communication service by developing this project.

whether and to what extent all steps possible have been taken by the developer to minimize any adverse effects of the proposed use on the immediate vicinity and on the public health, safety and welfare in general.

RESPONSE

The proposed project will not create any noise, pollution, light, or other adverse affects. If T-Mobile were to lose the existing on air site on the north side of NE 142 Ave, without a replacement site, it would create a coverage gap, including any associated E911 services. The height of the tower is such that it will not require lighting. It generates no pollution, and can accommodate additional wireless tenants in the future should they need a structure to collocate.

Additionally, the tower has been sited such that it is equal to or more than tower height from all property lines. Therefore, it poses no structural risk to adjoining land owners or ROWs.

Section 2. General Standards for Conditional Use Permits

No application for a conditional use permit shall be approved unless the Board of Adjustment specifically finds the proposed conditional use appropriate in the location for which it is proposed. This finding shall be based on the following criteria:

The proposed use shall be in harmony with the general purpose, goals, objectives, and standards of the Polk County Comprehensive Plan, this Ordinance, or any other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County.

The proposed location and use shall be consistent with policies or provisions of the Comprehensive Plan, this Ordinance, or other plans or programs of the County.

RESPONSE

The proposed wireless communication facility supports the goals, policies and provisions of the Polk County 2050 Comprehensive Plan. The small footprint of the tower site will not have a meaningful impact on the preservation of the predominantly agricultural landscape in this area. Additionally, it supports the recommendations and goals of the Infrastructure component of the comprehensive plan. The plan has, as a goal, a resilient infrastructure system. Maintaining wireless communication and E911 services through the approval of the TowerCo facility would support this goal. Therefore, this requirement has been satisfied.

The proposed use at the proposed location shall not result in a substantial or undue adverse effect on adjacent property, the character of the neighborhood, traffic conditions, parking, public improvements, public sites or rights-of-way, or other matters affecting the public health, safety, and general welfare, either as they now exist or as they may in the future be developed as a result of the implementation of

provisions and policies of the Comprehensive Plan, this Ordinance, or any other plan, program, map, or ordinance adopted, or under consideration pursuant to official notice, by the County or other governmental agency having jurisdiction to guide growth and development.

RESPONSE

The proposed 150' monopole will be located in a farm field along NE 142nd Ave. This location will not substantially or adversely affect the adjacent property or character of the neighborhood due to it's low impact characteristics. It does not generate noise, odor, fumes, or light. Additionally, it is located at least the height of the tower from all property lines, providing a significant buffer from surrounding lands and right of ways. It does not generate traffic in an impactful way. The site will also comply with all other applicable requirements of the Polk County Zoning ordinance.

The proposed use in the proposed area will be adequately served by, and will not impose an undue burden on, any public improvements, facilities, utilities, and services. Where any such improvements, facilities, utilities, or services are not available or adequate to service the proposed use in the proposed location, the applicant shall, as part of the application and a condition to approval of the proposed conditional use permit, be responsible for establishing ability, willingness, and binding commitment to provide such improvements, facilities, utilities, and services in sufficient time, and in a manner consistent with the Comprehensive Plan, this Ordinance, and other plans, programs, maps, and ordinances adopted by Polk County to service the development. The approval of the conditional use permit shall be conditioned upon such improvements, facilities, utilities, and services being provided and guaranteed by the applicant.

RESPONSE

The proposed wireless communication facility will be served by existing utilities and not be a burden on these resources. In fact, this project supports public improvements currently being proposed by IOWADOT in the immediate area.

TowerCo acknowledges it's responsibility for any conditioned improvements associated with the project and approvals.

Attachment C



5000 VALLEYSTONE DRIVE CARY, NC 27519

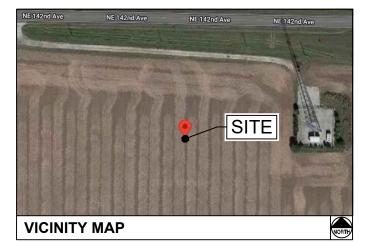
IA0360 **STALL RELO**

SITE LOCATION (E-911 ADDRESS TBD)

2241 NE 142ND AVE. ELKHART, IA 50073 **POLK COUNTY**

LATITUDE: N41° 49' 11.44" (41.8198452) LONGITUDE: W93° 34' 22.25" (-93.5728468) TAX/PIN #: 210-00255-001-000 **ZONING: AG**





FROM THE DES MOINES INTERNATIONAL AIRPORT AT 5800 FLEUR DR, DES MOINES, IA 50321. GET ON I-235 E FROM FLEUR DR AND MARTIN LUTHER KING JR PKWY. HEAD WEST ON COWLES DR. TURN LEFT ONTO FLEUR DR. CONTINUE ONTO MARTIN LUTHER KING JR PKWY. CONTINUE ONTO 19TH P TURN RIGHT ONTO THE RAMP TO I-235 E. KEEP LEFT, FOLLOW SIGNS FOR I-235 E AND MERGE ONTO I-235 E. FOLLOW I-235 E AND I-35 N TO NE 126TH AVE. TAKE EXIT 96 FROM I-35 N. MERGE ONTO I-235 E. CONTINUE ONTO I-35 N. TAKE EXIT 96 TOWARD ELKHART/POLK CITY. TAKE NE 29TH ST TO NE 142ND AVE. TURN RIGHT ONTO NE 126TH AVE. TURN LEFT AT THE 1ST CROSS STREET ONTO NE 29TH ST. TURN LEFT ONTO NE 142ND AVE. DESTINATION WILL BE ON THE LEFT.

DRIVING DIRECTIONS

JURISDICTION **ELKHART TOWNSHIP**

STATE IOWA

TOWER TYPE MONOPOLE TOWER

TOWER HEIGHT 150' (157' TO HIGHEST APPURTENANCE)

NUMBER OF CARRIERS 1 PROPOSED. 3 FUTURE

PROPOSED TELECOMMUNICATIONS TOWER AND UNMANNED EQUIPMENT

FLOOD INFORMATION

SITE IS LOCATED WITHIN FEMA FLOOD MAP AREA 19153C0055F DATED 02/01/19 WITHIN FLOOD ZONE X.

PROJECT SUMMARY

DEVELOPER

TOWERCO 5000 VALLEYSTONE DRIVE CARY, NC 27519 PHONE: (919) 653-5710 ATTN: AMANDA FRY

POWER COMPANY

CONSUMERS ENERGY 2074 242ND STREET MARSHALLTOWN, IA 50158 PHONE: (641) 754-1640 ATTN: JEFF LANNING

PROPERTY OWNER

DEL B STALL 2241 NE 142ND AVE ELKHART, IA 50073

CONSULTANT

KIMLEY-HORN AND ASSOCIATES, INC. 4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: (630) 487-5550 ATTN: KATELYN DRAPEAU, P.E.

PROJECT CONTACTS

| SHEET NO.: | SHEET DESCRIPTION: | | | | |
|------------|-------------------------------------|--|--|--|--|
| T1 | TITLE SHEET | | | | |
| N1 | GENERAL NOTES | | | | |
| SURVEY | TOPOGRAPHICAL SURVEY (BY OTHERS) | | | | |
| C1 | OVERALL PARCEL AND SITE PLAN | | | | |
| C2 | ENLARGED SITE PLAN | | | | |
| C2-1 | CARRIER EQUIPMENT PLAN | | | | |
| С3 | FENCE, GATE, AND COMPOUND DETAILS | | | | |
| C4 | ACCESS ROAD DETAILS | | | | |
| C5 | SITE SIGNAGE DETAILS | | | | |
| C6 | ANTENNA AND TOWER ELEVATION DETAILS | | | | |
| D1 | CARRIER RFDS | | | | |
| D2 | CARRIER RF PLUMBING DIAGRAM | | | | |
| L1 | LANDSCAPING PLAN | | | | |
| SHEET IN | SHEET INDEX | | | | |

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL

PAGES OF SHEETS COVERED BY THIS SEAL: ALL PAGES (1 - 9)

ICENSE NUMBER: PE27394

SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL

02/20/2023

POLK COUNTY SHERIFF DEPARTMENT

5995 NE 14TH STREET DES MOINES, IA 50313 PHONE: (515) 286-3306 ATTN: DISPATCHER

KATELYN DRAPEAU

27394

ELKHART FIRE DEPARTMENT

260 NW MAIN STREET ELKHART. IA 50073 PHONE: (515) 367-3105 ATTN: DISPATCHER

EMERGENCY INFORMATION

ELKHART TOWNSHIP PLANNING & ZONING

260 NW MAIN STREET ELKHART, IA 50073 PHONE: (515) 367-4735 ATTN: TBD

PERMIT INFORMATION

PLANS PREPARED FOR:



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

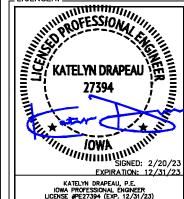
SITE LOCATION: ELKHART, IA POLK COUNTY

PLANS PREPARED BY:



REV: __DATE: ___ISSUED_FOR: __BY: 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

LICENSER:



KH PROJECT NUMBER:

168739009.1.100

CHECKED BY:

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

1.00 GENERAL NOTES

- 1.01 ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND OR REGULATIONS APPLICABLE TO THIS PROJECT.
- 1.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE PROJECT MANAGER AND/OR ENGINEER AND BE RESOLVED BEFORE PROCEEDING WITH WORK. WHERE THERE IS A CONFLICT BETWEEN DRAWING AND TOWERCO SPECIFICATIONS, THE TOWERCO REPRESENTATIVE SHOULD BE CONTACTED FOR CLARIFICATION.
- 1.03 ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. WHERE ACTUAL CONDITIONS CONFLICT WITH THE DRAWINGS, THEY SHALL BE REPORTED TO THE PROJECT MANAGER AND/OR ENGINEER SO THAT PROPER REVISIONS MAY BE MADE. MODIFICATION OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER AND/OR ENGINEER.
- 1.04 CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH SITE CONDITIONS AS SHOWN ON THE ATTACHED SITE PLAN AND/OR SURVEY DRAWINGS.
- 1.05 WAVEGUIDE BRIDGE AND EQUIPMENT CABINETS ARE SHOWN FOR REFERENCE ONLY. REFER TO SEPARATE DRAWINGS FOR SPECIFIC
- 1.06 ALL FINISHED GRADES SHALL SLOPE MINIMUM 1/4 IN./FT. AWAY FROM EQUIPMENT IN ALL DIRECTIONS. CONTRACTOR SHALL SLOPE SWALES AS REQUIRED ALONG EXISTING TERRAIN TO DRAIN AWAY FROM COMPOUND AND ACCESS DRIVE.
- 1.07 THE PROPOSED TOWER AND TOWER FOUNDATIONS WERE DESIGNED BY OTHERS. TOWER INFORMATION PROVIDED ON THESE PLANS ARE PROVIDED FOR REFERENCE PURPOSES ONLY, NOTIFY ENGINEER OR PROJECT MANAGER OF ANY CONFLICTS OR DISCREPANCIES. CONTRACTOR TO OBTAIN COPY OF TOWER DESIGN DRAWINGS. IF AVAILABLE, FROM TOWERCO REPRESENTATIVE TO CONFIRM COAX ROUTING AND ANTENNA MOUNT INFORMATION.
- 1.08 THE CONTRACTOR SHALL PROVIDE ADEQUATE EXCAVATION SLOPING. SHORING, BRACING, AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
- 1.09 UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE EXISTING ACCESS ROAD AND COMPOUND GRAVEL AREAS. ANY NEW FILL MATERIALS SHALL BE COMPACTED.
- 1.10 THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND SHALL REQUEST A VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF THEIR UNDERGROUND UTILITIES AND WHERE THEY MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF IMPROVEMENTS AS SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT WILL BE REQUIRED TO NOTIFY "811" 72 HOURS IN ADVANCE OF PERFORMING ANY WORK. ANY UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER.
- 1.11 CONTRACTOR TO PROVIDE DUMPSTER AND PORTABLE TOILET FACILITY DURING CONSTRUCTION.
- 1.12 CONTRACTOR TO PROVIDE STYMIE LOCK OR EQUIVALENT AS APPROVED BY TOWERCO REPRESENTATIVE.
- 1.13 CONTRACTOR TO PROVIDE ANY NECESSARY SIGNAGE PER T-MOBILE'S INSTRUCTIONS, SEE SITE SIGNAGE DETAILS.

2.00 EQUIPMENT FOUNDATION NOTES

- 2.01 FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. CONTRACTOR SHALL VERIFY SOIL CONDITIONS AND BEARING CAPACITY PRIOR TO CONSTRUCTION.
- 2.02 EXCAVATE A MINIMUM 18" BELOW PROPOSED EQUIPMENT FOUNDATIONS OF EXPANSIVE, ORGANIC, UNCONSOLIDATED OR OTHERWISE UNACCEPTABLE MATERIAL AND REPLACE WITH WELL-COMPACTED MATERIAL.
- 2.03 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE. ALL EXCAVATIONS NEAR THESE LINES TO BE CARRIED OUT WITH EXTREME CAUTION. COORDINATE ALL RELOCATIONS WITH THE PROPERTY OWNER.
- 2.04 CONTRACTOR TO CUT/FILL EXISTING COMPOUND SUBSOIL TO PROVIDE AN AREA AS LEVEL AS POSSIBLE FOR THE EQUIPMENT FOUNDATIONS. ALL FILL AREAS ARE TO BE FILLED WITH SUITABLE MATERIALS. FILL MATERIALS ARE TO BE PLACED. COMPACTED, AND TESTED IN MAXIMUM LAYERS OF 8". COMPACTION OF ALL FILL MATERIAL SHALL ACHIEVE 95 PERCENT OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D 698, ALL TESTS MUST MEET THE MINIMUM SPECIFIED SOIL BEARING CAPACITY. COMPACTION TESTING IS BY THE GEOTECHNICAL TESTING COMPANY DESIGNATED FOR THE PROJECT. SCHEDULING AND COORDINATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. REPORTS OF ALL TESTING ARE TO BE PROMPTLY DELIVERED OR FAXED TO THE TOWERCO PROJECT MANAGER.
- 2.05 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI AT 28 DAYS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION TO ACI-318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- 2.06 CONCRETE SHALL HAVE A SLUMP BETWEEN 3" AND 6".
- 2.07 FIBERS FOR CONCRETE SHALL BE FIBERMESH 650, 100 PERCENT VIRGIN POLYPROPYLENE FIBRILLATED FIBERS, e3 PATENTED TECHNOLOGY PATENTED TECHNOLOGY, CONTAINING NO REPROCESSED OLEFIN MATERIALS. THE FIBERS SHALL CONFORM TO ASTM C1116 TYPE III AND MANUFACTURED SPECIFICALLY FOR THE SECONDARY REINFORCEMENT OF CONCRETE.
- 2.08 THE FIBERS SHALL BE MANUFACTURED IN AN ISO 9001: 2008 CERTIFIED MANUFACTURING FACILITY. UNLESS OTHERWISE STATED, FIBERMESH 650 MACRO-SYNTHETIC FIBERS SHALL BE ADDED TO THE CONCRETE AT THE BATCHING PLANT AT THE RECOMMENDED APPLICATION RATE OF 3 LBS/YD3 AND MIXED FOR A SUFFICIENT TIME (MINIMUM 5 MINUTES AT FULL MIXING SPEED) TO ENSURE UNIFORM DISTRIBUTION OF THE FIBERS THROUGHOUT THE CONCRETÉ. FIBROUS CONCRETE REINFORCEMENT SHALL BE MANUFACTURED BY FIBERMESH, 4019 INDUSTRY DRIVE, CHATTANOOGA, TN 37416 USA, TEL: 800 621-1273, WEBSITE: WWW.FIBERMESH.COM
- 2.09 AT THE REQUEST OF THE TOWERCO PROJECT MANAGER, TEST CYLINDERS SHALL BE MOLDED AND LABORATORY CURED IN ACCORDANCE WITH ASTM C31. THREE CYLINDERS SHALL BE TAKEN FOR EACH DAY'S CONCRETE PLACEMENT. CYLINDERS SHALL BE TESTED IN ACCORDANCE WITH THE LATEST REVISION TO ASTM C39.
- 2.10 CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/" x 45° CHAMFER, UNLESS OTHERWISE NOTED.
- 2.11 CONCRETE FORMWORK IS TO BE STRIPPED WITHIN 48 HOURS. VIBRATION OF THE CONCRETE MUST ASSURE THAT HONEYCOMBING WILL BE AT A MINIMUM. MECHANICAL VIBRATION OF ALL CONCRETE IS REQUIRED UNLESS OTHERWISE DIRECTED BY TOWERCO PROJECT MANAGER. ABOVE GRADE CONCRETE IS TO BE RUBBED AND PATCHED TO ASSURE SMOOTH FINISH AT TIME OF FORMS REMOVAL. CONTRACTOR SHALL PROVIDE A BROOM FINISH ON THE TOP SURFACE OF THE EQUIPMENT FOUNDATION UNLESS OTHERWISE DIRECTED BY TOWERCO PROJECT
- 2.12 TOPS OF CONCRETE FOUNDATION MUST BE WITHIN 0.02' OF ELEVATION REQUIRED.
- 2.13 TOP OF FOUNDATION FINISH TO BE LEVEL $\pm \frac{1}{2}$ " IN 10'.
- 2.14 TOP OF FOUNDATION TO HAVE MEDIUM BROOM FINISH.
- 2.15 CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL VERIFY PLACEMENT OF EQUIPMENT AND LOCATION OF CONDUIT FOR MANUFACTURER'S AND VENDORS SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL OPENINGS AND SLEEVES FOR PROPER DISTRIBUTION OF ALL



PLANS PREPARED FOR: 3



PROJECT INFORMATION:

SITE ID: IA0360

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA **POLK COUNTY**

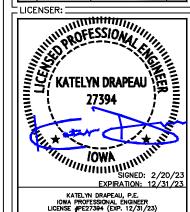
PLANS PREPARED BY:



4201 WNFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

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| l | | 3 | 12/19/22 | CLIENT REVISION | KRB | |
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KH PROJECT NUMBER:

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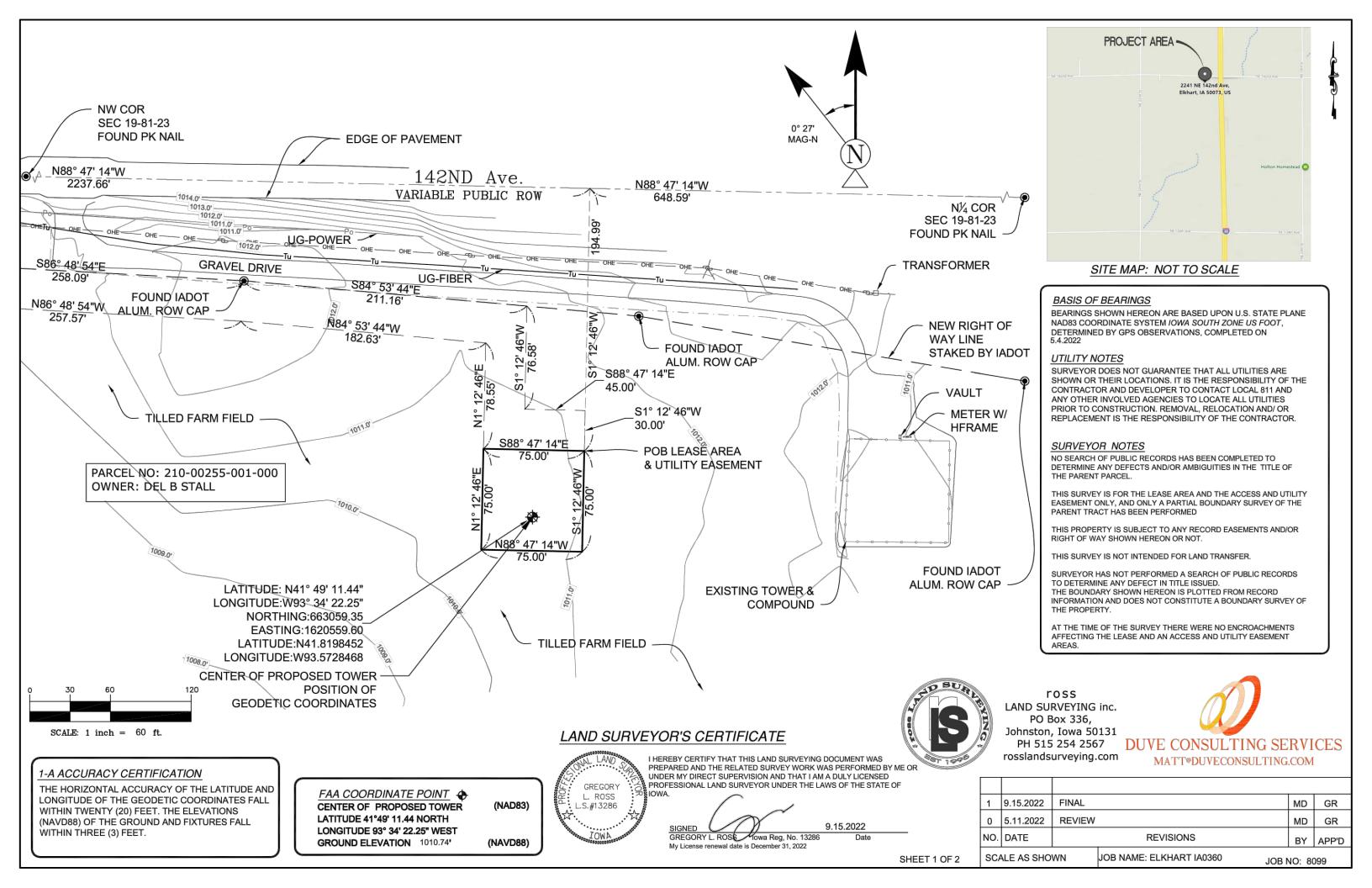
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GENERAL NOTES

SHEET NUMBER:

N1



LEASE AREA

A PORTION OF THE NORTHWEST QUARTER OF SECTION 19, TOWNSHIP 81 NORTH, RANGE 23 WEST OF THE 5TH P.M. IN POLK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 19, THENCE NORTH 88 DEGREES 47 MINUTES 14 SECONDS WEST, ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 19, A DISTANCE OF 648.59 FEET;

THENCE SOUTH 01 DEGREES 12 MINUTES 46 SECONDS WEST, A DISTANCE OF 194.99 FEET TO THE POINT OF BEGINNING:

THENCE CONTINUE SOUTHERLY ALONG SAID LINE. A DISTANCE OF 75.00 FEET:

S38° 34' 18"E

19.77'

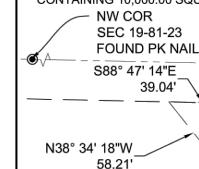
THENCE NORTH 88 DEGREES 47 MINUTES 14 SECONDS WEST, A DISTANCE OF 75.00 FEET:

THENCE NORTH 01 DEGREES 12 MINUTES 46 SECONDS EAST, A DISTANCE OF 75.00 FEET:

THENCE SOUTH 88 DEGREES 47 MINUTES 14 SECONDS EAST, A DISTANCE OF 75.00 FEET TO THE

POINT OF BEGINNING.

CONTAINING 10,000.00 SQUARE FEET OR 0.2296 ACRES, MORE OR LESS.





N86° 53' 11"W

525.99'

VARIABLE PUBLIC ROW FOUND IADOT ALUM. ROW CAP S86° 53' 11"E 512.56

30' WIDE ACCESS EASEMENT

ALUM. ROW CAP S86° 48' 54"E 258.09

N86° 48' 54"W

N88° 47' 14"W

FOUND IADOT

2237 66

4.1 EASEMENT AGREEMENT BY DEAN M. STALL AND RUTH E. STALL TO SOUTHEAST POLK RURAL

WATER DISTRICT, DATED MAY 27, 2003, RECORDED JUNE 12, 2003, IN BOOK 9889, PAGE

404. NOTES: WATERLINE PURPOSES (BLANKET EASEMENT, NOT ABLE TO PLOT)

257.57

211.16' N84° 53' 44"W 182.63

S84° 53' 44"E

REFERENCE IS MADE TO THE TITLE REPORT FILE NO: UST71130, ISSUED BY US TITLE SOLUTIONS, DATED 5.3.2022, ALL EASEMENTS

CONTAINED WITHIN SAID TITLE REPORT AFFECTING THE IMMEDIATE AREA SURROUNDING THE LEASE HAVE BEEN PLOTTED.

12' 46"W. 76.58' S88° 47' 14"E 8 45.00'

S1° 12' 46"W 30.00' POB ACCESS

N¼ COR

N88° 47' 14"W 648.59'

SEC 19-81-23

FOUND PK NAIL

& UTILITY **EASEMENT**

ACCESS EASEMENT

A PORTION OF THE NORTHWEST QUARTER OF SECTION 19, TOWNSHIP 81 NORTH, RANGE 23 WEST OF THE 5TH P.M. IN POLK COUNTY, IOWA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 19. THENCE NORTH 88 DEGREES 47 MINUTES 14 SECONDS WEST. ALONG THE NORTH LINE OF THE NORTHWEST QUARTER OF SAID SECTION 19, A DISTANCE OF 648.59 FEET;

THENCE SOUTH 01 DEGREES 12 MINUTES 46 SECONDS WEST, A DISTANCE OF 194.99 FEET TO THE POINT OF BEGINNING:

THENCE NORTH 88 DEGREES 47 MINUTES 14 SECONDS WEST, A DISTANCE OF 75.00 FEET;

THENCE NORTH 01 DEGREES 12 MINUTES 46 SECONDS EAST, A DISTANCE OF 78.55 FEET;

THENCE NORTH 84 DEGREES 53 MINUTES 44 SECONDS WEST. A DISTANCE OF 182.63 FEET:

THENCE NORTH 86 DEGREES 48 MINUTES 54 SECONDS WEST, A DISTANCE OF 257.57 FEET;

THENCE NORTH 86 DEGREES 53 MINUTES 11 SECONDS WEST, A DISTANCE OF 525.99 FEET;

THENCE NORTH 38 DEGREES 34 MINUTES 18 SECONDS WEST, A DISTANCE OF 58.21 FEET TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF 142ND AVE;

THENCE SOUTH 88 DEGREES 47 MINUTES 14 SECONDS EAST, ALONG SAID SOUTHERLY LINE, A DISTANCE OF 39.04 FEET:

THENCE, DEPARTING SAID LINE. SOUTH 38 DEGREES 34 MINUTES 18 SECONDS EAST, A DISTANCE OF 19.77 FEET:

THENCE SOUTH 86 DEGREES 53 MINUTES 11 SECONDS EAST, A DISTANCE OF 512.56 FEET, TO A POINT ON THE SOUTHERLY RIGHT OF WAY LINE OF 142ND AVE:

THENCE SOUTH 86 DEGREES 48 MINUTES 54 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 258.09 FEET:

THENCE SOUTH 84 DEGREES 53 MINUTES 44 SECONDS EAST, ALONG SAID LINE, A DISTANCE OF 211.16 FEET:

THENCE, DEPARTING SAID LINE. SOUTH 01 DEGREES 12 MINUTES 46 SECONDS WEST, A DISTANCE OF 76.58 FEET:

THENCE SOUTH 88 DEGREES 47 MINUTES 14 SECONDS EAST, A DISTANCE OF 45.00 FEET;

THENCE SOUTH 01 DEGREES 12 MINUTES 46 SECONDS WEST, A DISTANCE OF 30.00 FEET TO THE POINT OF BEGINNING.

CONTAINING 34,166.56 SQUARE FEET OR 0.7844 ACRES, MORE OR LESS.

PARENT PARCEL LEGAL DESCRIPTION

TITLE REPORT INFO

SCHEDULE B ITEMS:

- THE WEST HALF (W1/2) OF THE NORTHWEST FRACTIONAL QUARTER (NW FRL. 1/4) OF SECTION NINETEEN (19), TOWNSHIP EIGHTY-ONE (81) NORTH, RANGE TWENTY-THREE (23), WEST OF THE 5TH POLK COUNTY, IOWA, EXCEPT LEGALLY ESTABLISHED HIGHWAYS:
- THE SOUTHEAST 1/4 OF THE NORTHWEST FRACTIONAL QUARTER OF SECTION 19, TOWNSHIP 81 NORTH, RANGE 23 WEST OF THE 5TH P.M., POLK COUNTY, IOWA, EXCEPT LEGALLY ESTABLISHED HIGHWAYS:
- THE NORTHEAST 1/4 OF THE NORTHWEST FRACTIONAL QUARTER OF SECTION 19, TOWNSHIP 81 NORTH, RANGE 23 WEST OF THE 5TH P.M., POLK COUNTY, IOWA:

FLOOD INFORMATION

THE LEASE AREA SHOWN HEREON IS NOT LOCATED IN A 100-YEAR FLOOD PLAIN PER FLOOD HAZARD BOUNDARY MAP, COMMUNITY-PANEL NO. 19153C0055F, DATED 02.01.2019. THE LEASE AREA IS LOCATED IN ZONE "X".

LEGEND

POB POINT OF BEGINNING POINT OF TERMINUS PUE PUBLIC UTILITY EASEMENT

ROW RIGHT OF WAY DW DRIVEWAY SW SIDEWALK

FOUND AS NOTED

•

212' 46"E

\$88° 47' 14"F

75.00

SPOT ELEVATION POSITION OF

GEODETIC COORDINATES WATER CONTROL VALVE

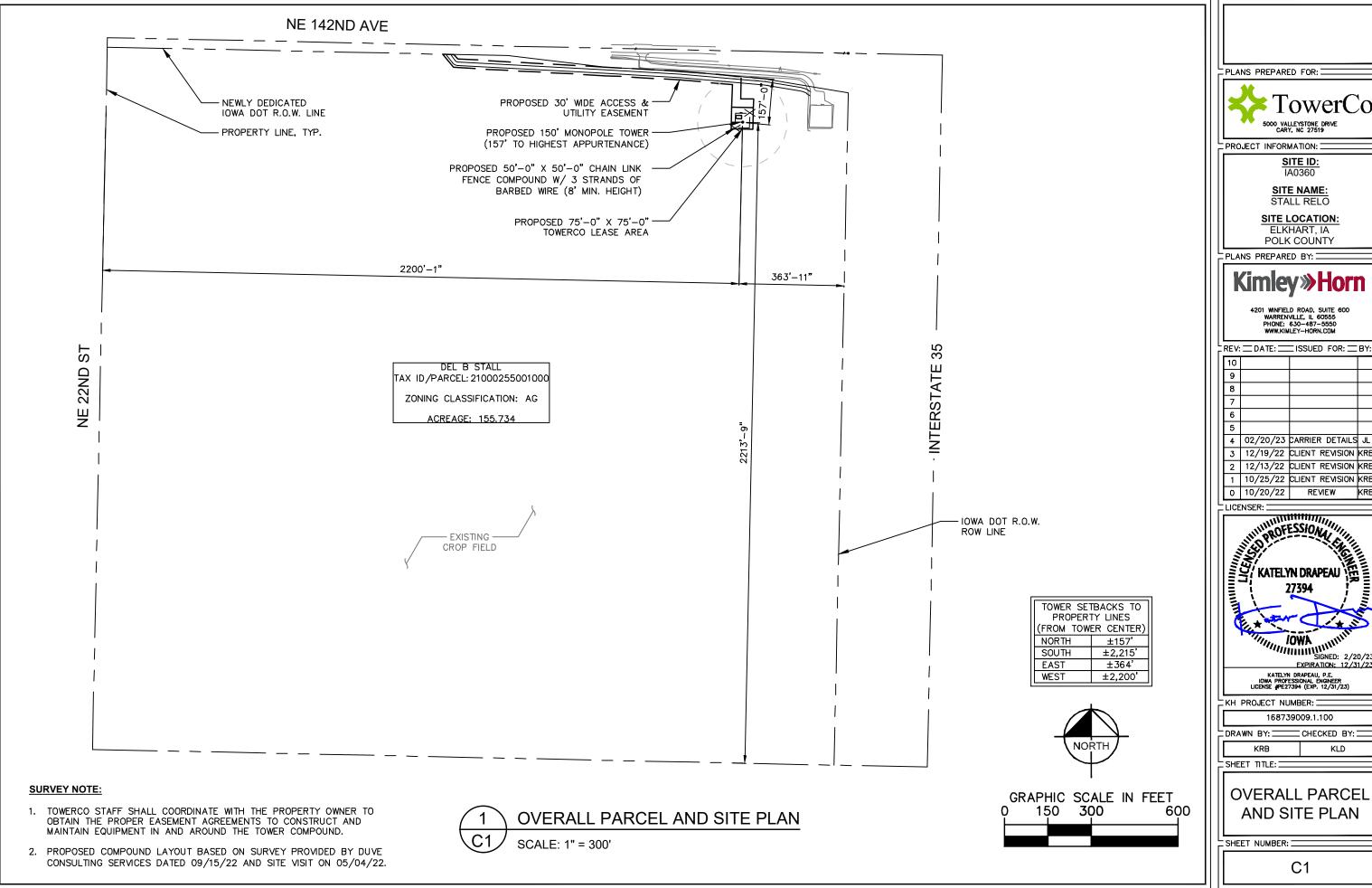
X FIRE HYDRANT

G POWER POLE

EMH ELECTRIC MANHOLE **TELCO MANHOLE**

OVERHEAD ELECTRIC PROPERTY LINE BARBED WIRE FENCE

SHEET 2 OF 2





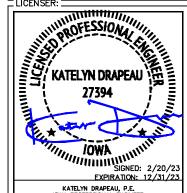
SITE ID:

SITE NAME: STALL RELO



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

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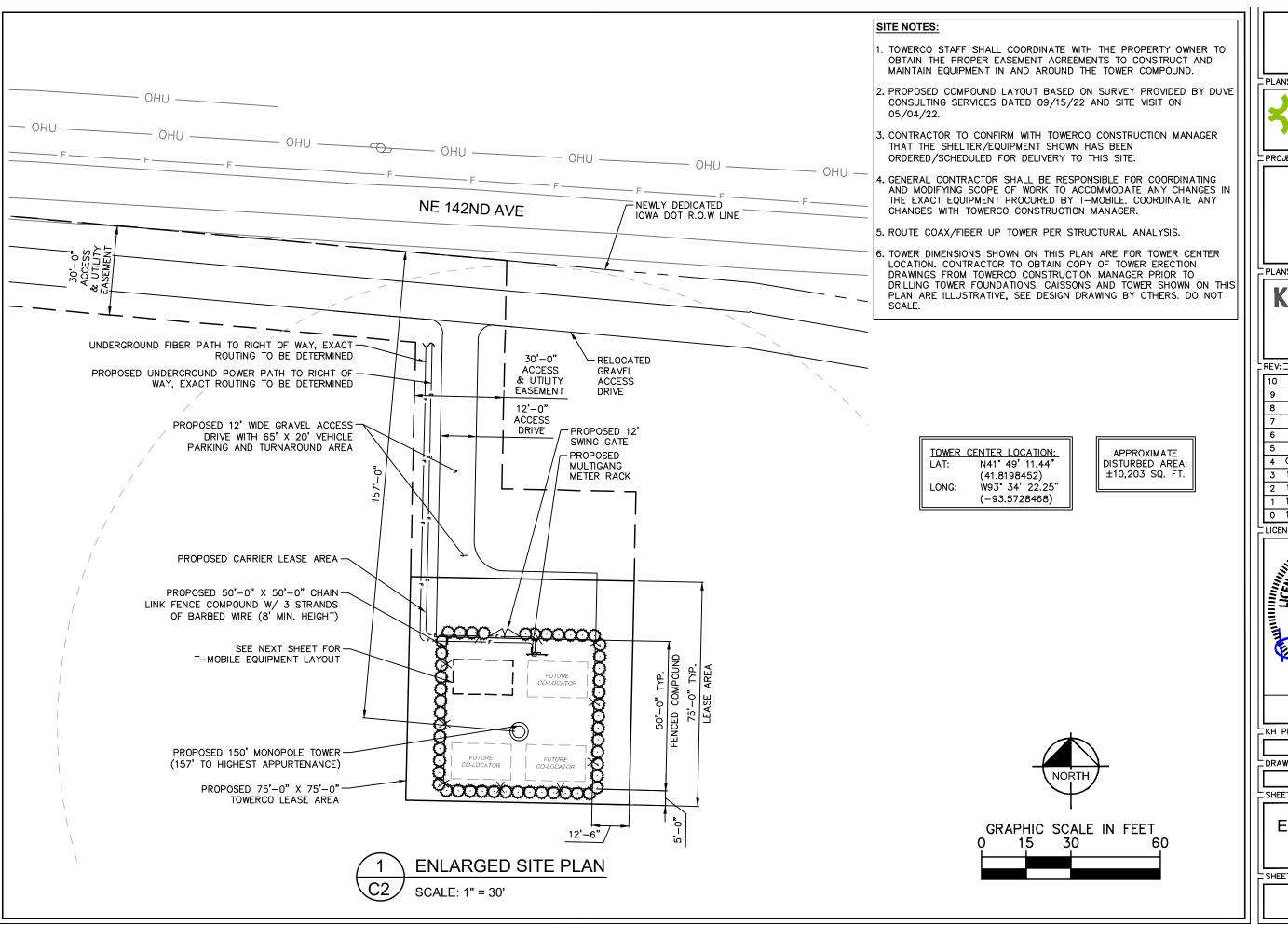
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OVERALL PARCEL AND SITE PLAN

C1



PLANS PREPARED FOR: I



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA

POLK COUNTY

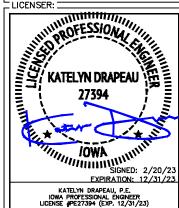
PLANS PREPARED BY:



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

REV: _ DATE: ___ ISSUED FOR: __ BY: 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

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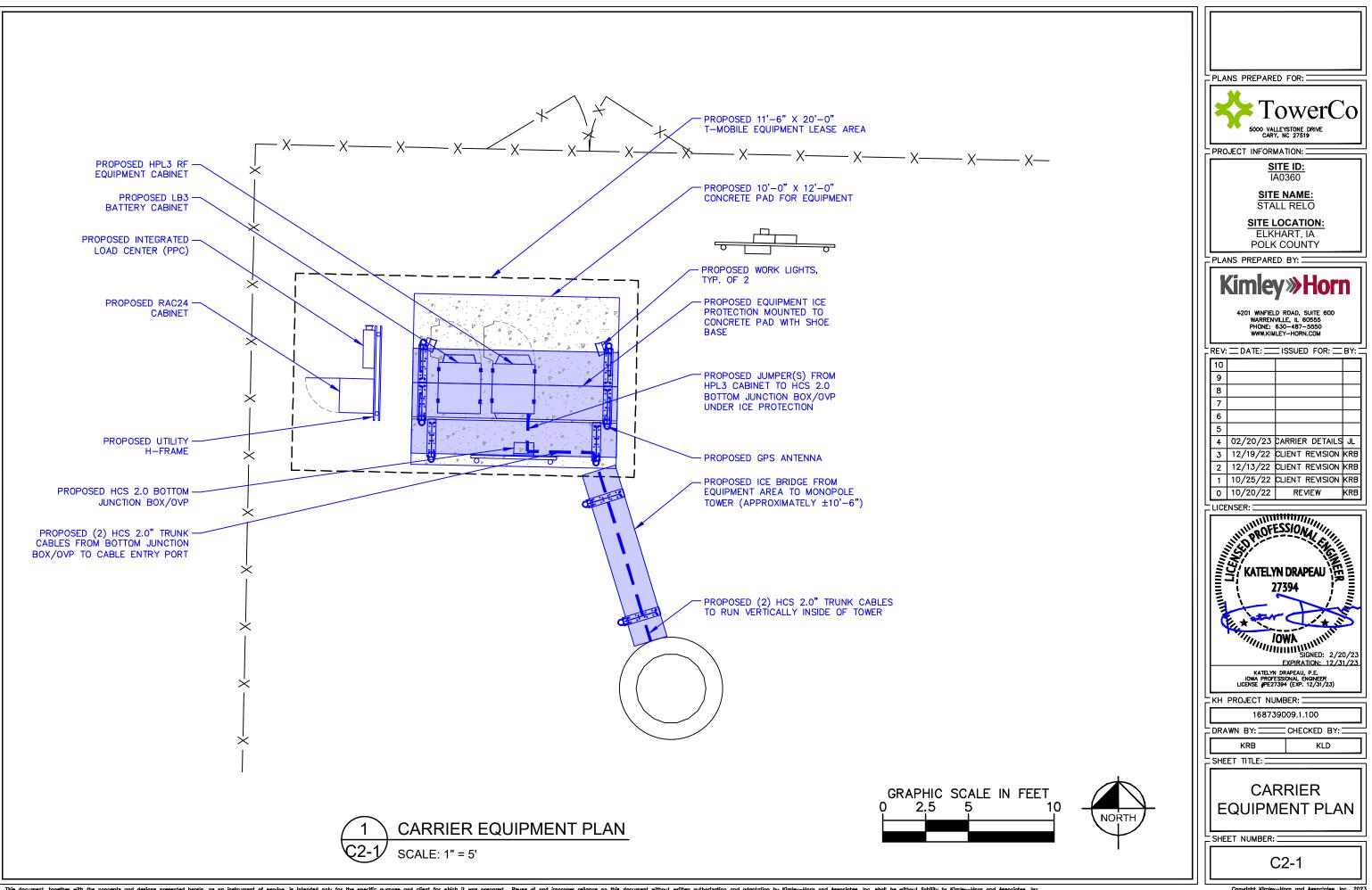
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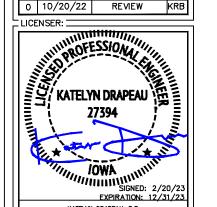


 $\frac{\text{SITE LOCATION:}}{\text{ELKHART, IA}}$



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

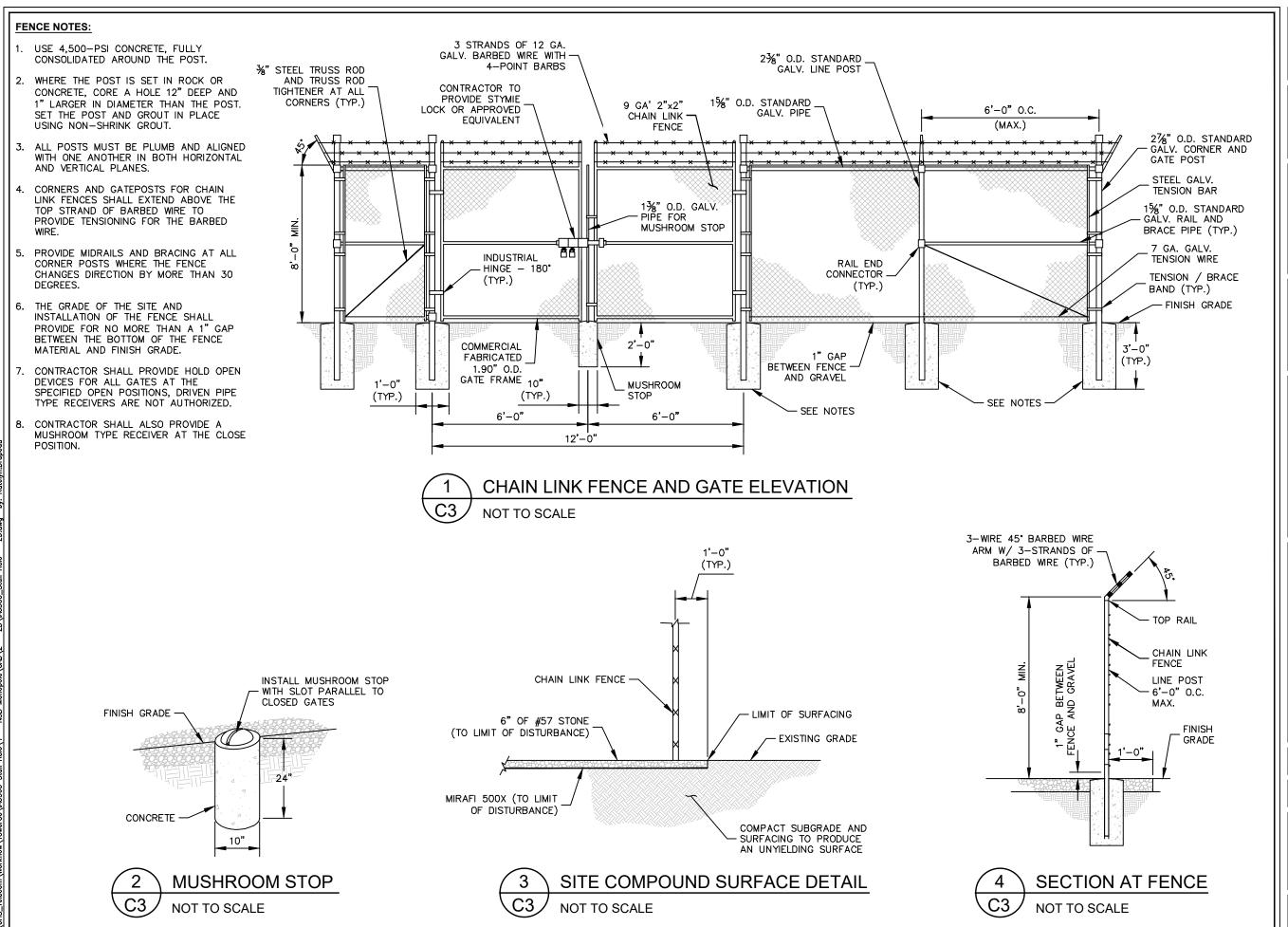
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| | 2 | 12/13/22 CI | LIENT REVISION | KRB |
| | 1 | 10/25/22 CI | LIENT REVISION | KRB |
| | 0 | 10/20/22 | REVIEW | KRB |



| KH | PROJECT | NUMBER: I |
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| | | |

CHECKED BY:

CARRIER EQUIPMENT PLAN



PLANS PREPARED FOR:



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

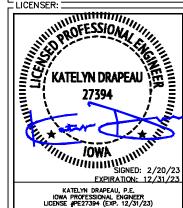
PLANS PREPARED BY: =



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

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| l | | 3 | 12/19/22 | CLIENT REVISION | KRB |
| | | 2 | | CLIENT REVISION | |
| | | 1 | 10/25/22 | CLIENT REVISION | KRB |
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KH PROJECT NUMBER: 168739009.1.100

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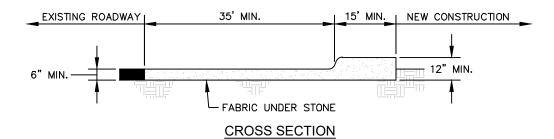
SHEET TITLE:

FENCE, GATE, AND **COMPOUND DETAILS**

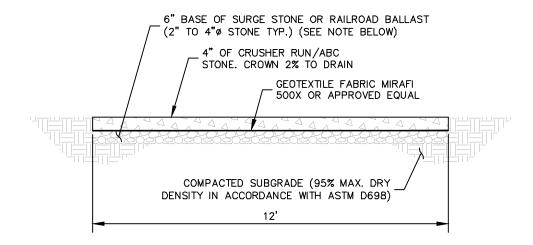
SHEET NUMBER:

C3

- PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE
- IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS NOT REMOVED BY THE VEHICLE TRAVELING OVER THE STONE, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING THE PUBLIC ROAD.
- IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.

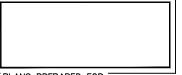


CONSTRUCTION ENTRANCE NOT TO SCALE



NOTE:
IF DETERMINED NECESSARY DURING GRADING AND CONSTRUCTION OF THE ACCESS ROAD BY THE PROJECT MANAGER, THE CONTRACTOR SHALL INSTALL 6" BASE OF SURGE STONE OR RAILROAD BALLAST (2" TO 4" & STONE TYP.)

STANDARD ACCESS ROAD AND TURNAROUND DETAIL NOT TO SCALE



PLANS PREPARED FOR: I



PROJECT INFORMATION:

SITE ID: IA0360

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

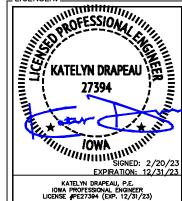
PLANS PREPARED BY: =



4201 WNFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

REV: __ DATE: ___ ISSUED FOR: __ BY: 6 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

LICENSER: I



KH PROJECT NUMBER: I

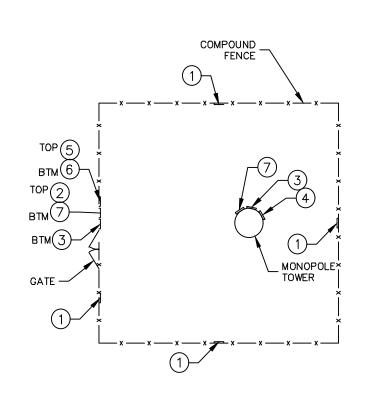
168739009.1.100

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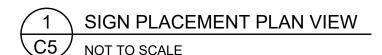
SHEET TITLE: I

ACCESS ROAD DETAILS

SHEET NUMBER:



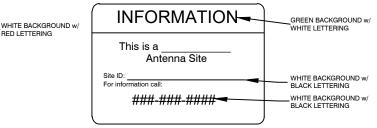
NOTE: SEE TYPICAL SIGNS AND SPECIFICATIONS DETAIL ON THIS SHEET FOR SIGN DESIGNATIONS.





(1) NO-TRESPASSING SIGN 18" HIGH X 24" WIDE

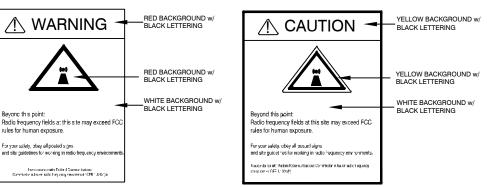
(OPERATIONS PROVIDED)



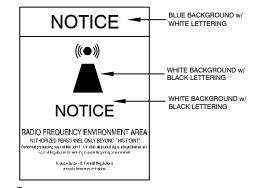
(2) FUTURE CARRIER - SITE ID SIGN 15" HIGH X 23" WIDE (OPERATIONS PROVIDED)



③ NOTICE-RFE SIGN 12" WIDE X 18" HIGH (OPERATIONS PROVIDED)



(4) WARNING-RF SIGN (RED) (5) CAUTION-RF SIGN (YELLOW) 12" WIDE X 18" HIGH 12" WIDE X 18" HIGH



(6) NOTICE-RF SIGN (BLUE)

12" WIDE X 18" HIGH

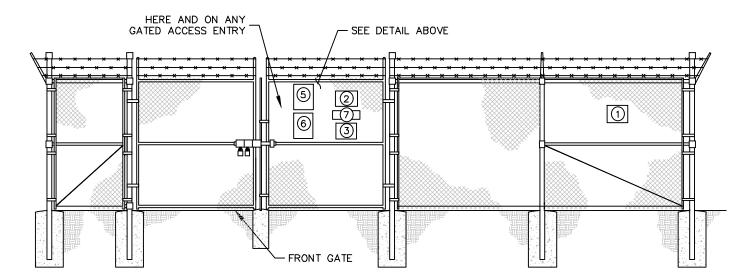
FCC TOWER REGISTRATION NO. WHITE W/BLACK LETTERING **XXXXXXX**

A SIGN WITH COUNTY REGISTRATION # (IF # IS PROVIDED BY THE COUNTY)

(7) FCC REGISTRATION SIGN 20 WIDE X 4" HIGH

TYPICAL SIGNS AND SPECIFICATIONS

NOT TO SCALE



SIGNAGE NOTES:

1. SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING UV RESISTANT COATINGS.

2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE, AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOG RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.





PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

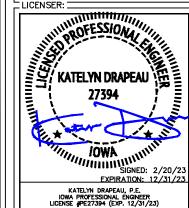
PLANS PREPARED BY: I



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

REV: __ DATE: ___ ISSUED FOR: __ BY: 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

LICENSER:



KH PROJECT NUMBER:

168739009.1.100

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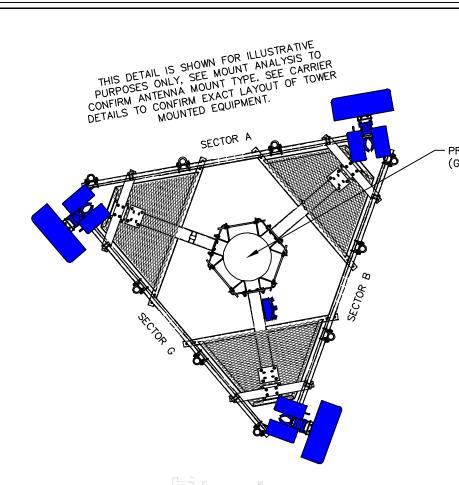
SHEET TITLE:

SITE SIGNAGE **DETAILS**

SHEET NUMBER:

C5

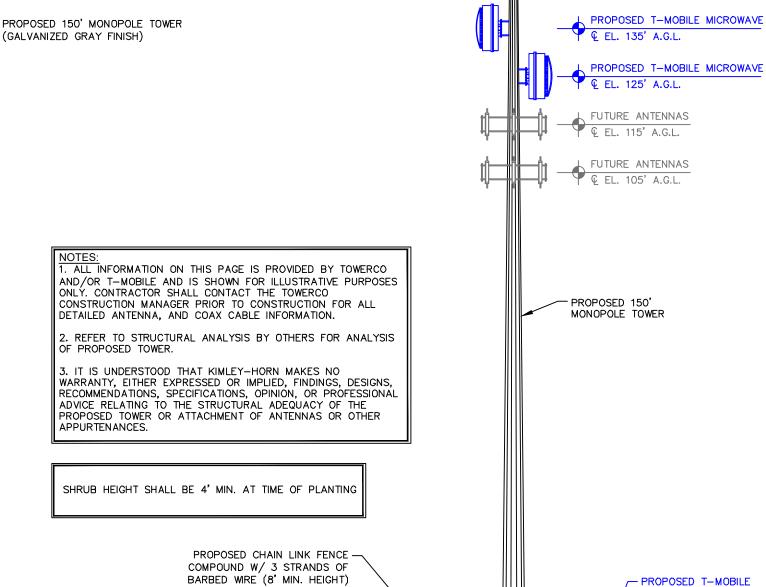
SIGN PLACEMENT FRONT GATE VIEW NOT TO SCALE



| HYBR | HYBRID CABLE LENGTH | | | | | |
|---------------|---------------------------------------|------------------|--|--|--|--|
| | LENGTH FROM LOWER COVP TO UPPER ±189' | | | | | |
| | BREAKOUT FEATURE/PENDANT (57.6m) | | | | | |
| DC/FIBER | DC/FIBER JUMPER CABLE LENGTH | | | | | |
| | SED UPPER PENDANT TO A | HLOA | | | | |
| ALPHA SECTOR: | ±21' (6.4m) | | | | | |
| BETA SECTOR: | ±17' (5.2m) | | | | | |
| GAMMA SECTOR: | ±22' (6.7m) | | | | | |
| DC/FIBER | JUMPER CABLE I | ENGTH | | | | |
| PROPO | SED UPPER PENDANT TO A | AHFIG | | | | |
| ALPHA SECTOR: | ±21' (6.4m) | | | | | |
| BETA SECTOR: | ±17' (5.2m) | | | | | |
| GAMMA SECTOR: | ±22' (6.7m) | - X-1 - XXX - XX | | | | |
| COAX | IUMPER CABLE I | NFO | | | | |
| | AHFIG TO ANTENNA | CABLE QTY. | | | | |
| ALPHA SECTOR: | ±8° (2.5m) | 4 | | | | |
| BETA SECTOR: | ±8' (2.5m) | 4 | | | | |
| GAMMA SECTOR: | ±8° (2.5m) | 4 | | | | |
| COAX | IUMPER CABLE I | NFO | | | | |
| | AHLOA TO ANTENNA | CABLE QTY. | | | | |
| ALPHA SECTOR: | ±8' (2.5m) | 4 | | | | |
| BETA SECTOR: | ±8' (2.5m) | 4 | | | | |
| GAMMA SECTOR: | ±8' (2.5m) | 4 | | | | |

^{*} CABLE LENGTHS PROVIDED ARE APPROXIMATE

ANTENNA ORIENTATION PLAN NOT TO SCALE



TOP OF TOWER

EL. 150' A.G.L.

NOTES:

- 1. ALL PROPOSED ATTACHMENTS TO TOWER BASED ON TOWER DESIGN DRAWINGS BY OTHERS.
- 2. THE TOWER ELEVATION SHOWN IS FOR REFERENCE ONLY.

LANDSCAPE BUFFER

PROPOSED -

3. COAX/FIBER CABLE LENGTHS ARE APPROXIMATE. CONTRACTOR TO VERIFY CORRECT LENGTH IN FIELD AT TIME OF CONSTRUCTION.



MONOPOLE TOWER ELEVATION - VIEW FACING EAST

NOT TO SCALE

PLANS PREPARED FOR: I

TOP OF LIGHTNING ROD EL. 157' A.G.L.

€ EL. 148' A.G.L.

PROPOSED T-MOBILE ANTENNAS

EQUIPMENT AREA



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

PLANS PREPARED BY: 3



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

| REV: | DATE: | ISSUED FOR: _ | BY: = |
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| 4 | , , | CARRIER DETAILS | |
| 3 | , , | CLIENT REVISION | |
| 2 | | CLIENT REVISION | |
| 1 | 10/25/22 | CLIENT REVISION | KRB |
| 0 | 10/20/22 | REVIEW | KRB |

LICENSER:

FOR ILLUSTRATIVE **PURPOSES ONLY**

(NO SIGNATURE REQUIRED)

KATELYN DRAPEAU, P.E. IOWA PROFESSIONAL ENGINEER LICENSE #PE27394 (EXP. 12/31/23)

KH PROJECT NUMBER: I

168739009.1.100

DRAWN BY: CHECKED BY:

SHEET TITLE:

ANTENNA AND TOWER ELEVATION **DETAILS**

SHEET NUMBER:

C6

PLANS PREPARED FOR: =



PROJECT INFORMATION:

SITE ID: IA0360

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

PLANS PREPARED BY:



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

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LICENSER: I

FOR ILLUSTRATIVE **PURPOSES ONLY**

(NO SIGNATURE REQUIRED)

KATELYN DRAPEAU, P.E. IOWA PROFESSIONAL ENGINEER LICENSE #PE27394 (EXP. 12/31/23)

KH PROJECT NUMBER: I

168739009.1.100

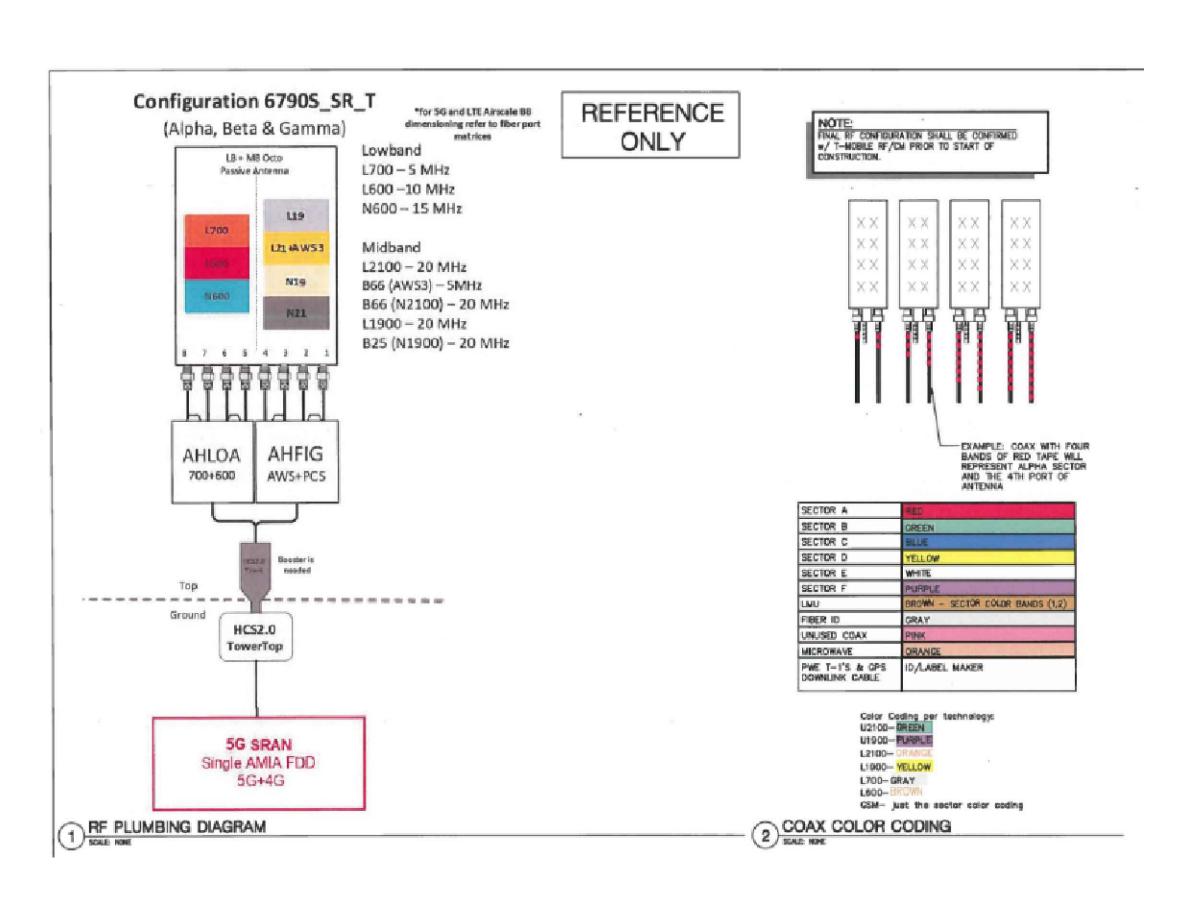
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SHEET TITLE: I

CARRIER RFDS

SHEET NUMBER:

D1



PLANS PREPARED FOR:



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

PLANS PREPARED BY:



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

REV: _ DATE: ___ ISSUED FOR: __ BY: 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

LICENSER:

FOR ILLUSTRATIVE **PURPOSES ONLY**

(NO SIGNATURE REQUIRED)

KATELYN DRAPEAU, P.E. IOWA PROFESSIONAL ENGINEER LICENSE #PE27394 (EXP. 12/31/23)

KH PROJECT NUMBER: I

168739009.1.100

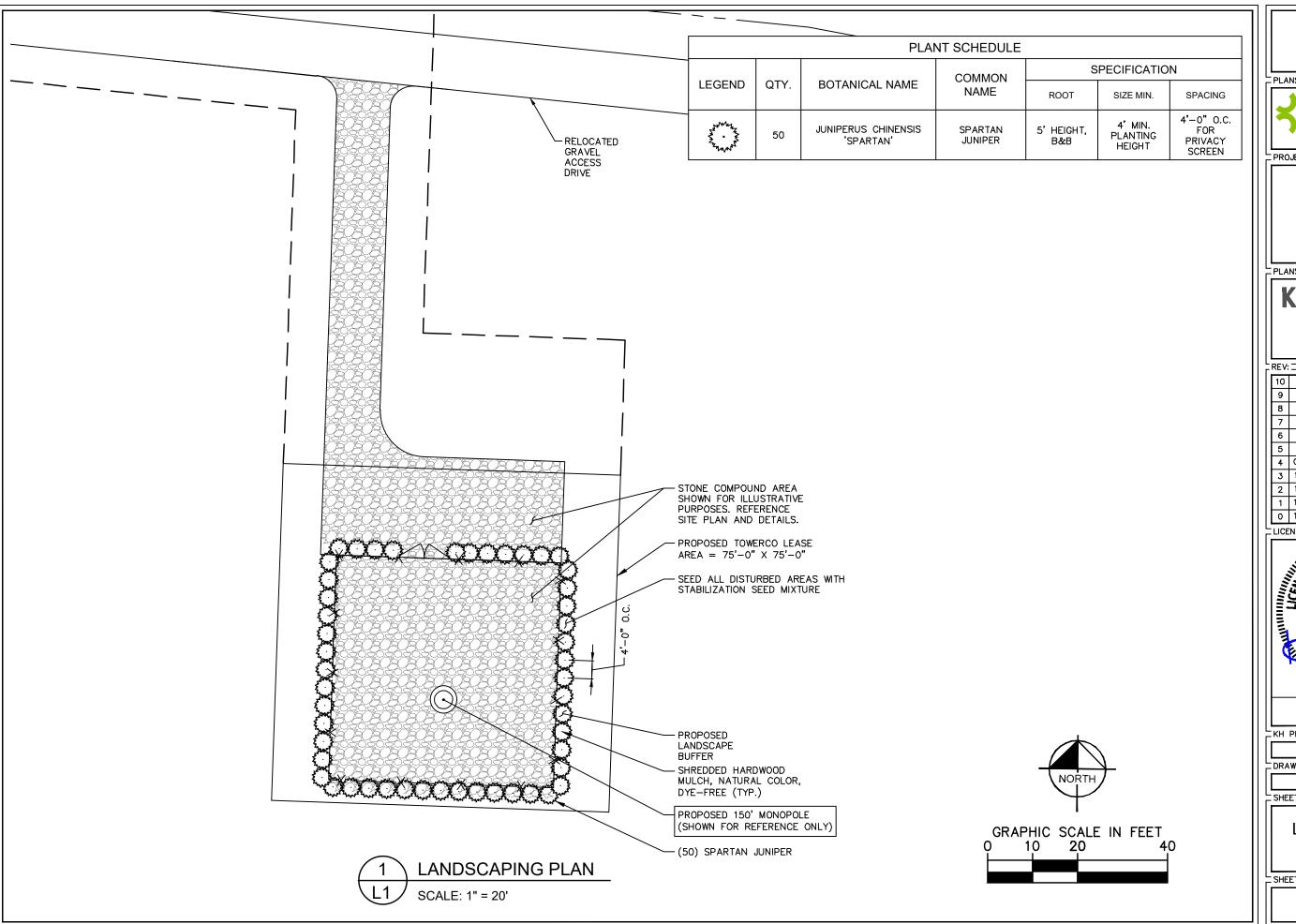
CHECKED BY: DRAWN BY:

SHEET TITLE: I

CARRIER RF PLUMBING DIAGRAM

SHEET NUMBER:

D2



PLANS PREPARED FOR: =



PROJECT INFORMATION:

SITE ID:

SITE NAME: STALL RELO

SITE LOCATION: ELKHART, IA POLK COUNTY

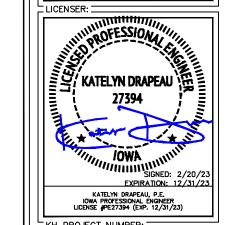
PLANS PREPARED BY:



4201 WINFIELD ROAD, SUITE 600 WARRENVILLE, IL 60555 PHONE: 630-487-5550 WWW.KIMLEY-HORN.COM

REV: _ DATE: ___ ISSUED FOR: _ BY: 4 02/20/23 CARRIER DETAILS JL 3 12/19/22 CLIENT REVISION KRB 2 12/13/22 CLIENT REVISION KRB 1 10/25/22 CLIENT REVISION KRB 0 10/20/22 REVIEW

LICENSER: I



KH PROJECT NUMBER: I

168739009.1.100

DRAWN BY: CHECKED BY:

SHEET TITLE: I

LANDSCAPING **PLAN**

SHEET NUMBER: