



AGENDA FOR REGULAR MEETING VILLAGE OF TINLEY PARK PLAN COMMISSION

May 7, 2026 – 7:00 P.M.
Council Chambers
Village Hall – 16250 Oak Park Avenue

Regular Meeting Called to Order

Pledge of Allegiance

Roll Call Taken

Communications

Approval of Minutes: Minutes of the April 16, 2026 Regular Meeting

ITEM #1 PUBLIC HEARING – ALAN SCHWARTZ AND JESSICA LUTCHEN – 17824 WOBURN ROAD – SWIMMING POOL AND DECK VARIATION

Consider recommending that the Village Board grant Alan Schwartz and Jessica Lutchén Variations from Section III.H.1. of the Tinley Park Zoning Ordinance regarding setback requirements for a swimming pool and for a deck at 17824 Woburn Road in the R-3 Single-Family Residential Zoning District.

ITEM #2 PUBLIC MEETING – CROWN CASTLE – 18301 RIDGELAND AVENUE – SITE PLAN/ARCHITECTURAL APPROVAL

Consider approving expansion of telecommunications ground equipment enclosure at 18301 Ridgeland Avenue in the R-1 (Single-Family Residential) zoning district.

Receive Comments from the Public

Good of the Order

Adjourn Meeting



**MINUTES OF THE REGULAR MEETING OF THE
PLAN COMMISSION, VILLAGE OF TINLEY PARK,
COOK AND WILL COUNTIES, ILLINOIS**

April 16, 2026

The meeting of the Plan Commission, Village of Tinley Park, Illinois, was held in the Council Chambers located in the Village Hall of Tinley Park, 16250 Oak Park Avenue, Tinley Park, IL on April 16, 2026.

CALL TO ORDER –CHAIRMAN GRAY called to order the regularly scheduled meeting of the Plan Commission on April 16, 2026, at 7:08 p.m.

Present Plan Commissioners: Chairman Garrett Gray
Angela Gatto
Terry Hamilton
Eduardo Mani
Edgar Montalvo
Steve Sepessy

Absent Plan Commissioners: James Gaskill
Andrae Marak
Amanda Martinez

Village Staff: Mark Herman, Planning Manager
Lori Kosmatka, Senior Planner

Petitioners: Mohamad Ghaddar (item 1)
Izzet Frenkel, N&M Landscaping (item 2)
Michael Villapiano, N&M Landscaping (item 2)
Harriet Basiorka, Mars2 Realty (item 2)
Joe Rueck, Volt Home Pros (item 3)

Members of the Public: None

COMMUNICATIONS – Mark Herman, Planning Manager, noted there were no communications.

APPROVAL OF THE MINUTES – Minutes of the March 19, 2026 Plan Commission meeting were presented for approval. CHAIRMAN GRAY requested a motion to approve the minutes. COMMISSIONER GATTO made a motion to approve the minutes of the March 19, 2026 Plan Commission meeting. COMMISSIONER MANI seconded the motion. All were in favor. Motion carried.

TO: VILLAGE OF TINLEY PARK PRESIDENT AND BOARD OF TRUSTEES

FROM: VILLAGE OF TINLEY PARK PLAN COMMISSION

SUBJECT: MINUTES OF THE APRIL 16, 2026 REGULAR MEETING

ITEM 1: PUBLIC HEARING – MOHAMAD GHADDAR – 9343 SUTTON PLACE – CORNER FENCE VARIATION

Consider recommending that the Village Board grant Mohamad Ghaddar a Variation from Section III.H.1. (and Section III.J.) of the Tinley Park Zoning Ordinance at 9343 Sutton Place in the R-3 Single-Family Residential Zoning District. The request is to allow for the construction of a 6' privacy fence in the Secondary Front Yard.

Present Plan Commissioners: Chairman Garrett Gray
Angela Gatto
Terry Hamilton
Eduardo Mani
Edgar Montalvo
Steve Sepessy

Absent Plan Commissioners: James Gaskill
Andrae Marak
Amanda Martinez

Village Staff: Mark Herman, Planning Manager
Lori Kosmatka, Senior Planner

Petitioners: Mohamad Ghaddar

Members of the Public: None

CHAIRMAN GRAY introduced item #1.

CHAIRMAN GRAY requested a motion to open the public hearing. COMMISSIONER SEPESSY made a motion to open the public hearing, seconded by COMMISSIONER MANI. CHAIRMAN GRAY requested a voice vote; all were in favor. Motion carried.

CHAIRMAN GRAY noted the proof of publication.

Lori Kosmatka, Senior Planner, presented the staff report.

CHAIRMAN GRAY invited the Petitioner to speak. Mohamad Ghaddar was sworn in.

Mr. Ghaddar said that he was making the request to extend a fence into the secondary front yard due to the property's location on a high-traffic, high-speed roadway. He noted that he spoke with

several neighbors and revised his proposal to address their concerns which were centered on maintaining visibility at the intersection of 94th Avenue at Sutton Place. He noted that his proposed fence location is similar to other properties in the area which have also been granted Variations for fences along 94th Avenue property lines.

COMMISSIONER MANI said he supported allowing a fence in the proposed location to maximize backyard space.

COMMISSIONER SEPESSY noted that he often observes speeding along 94th Avenue.

CHAIRMAN GRAY thanked Mr. Ghaddar for his thorough presentation and for including all the supporting materials provided with the application.

CHAIRMAN GRAY asked if there were any questions from the public. Hearing none, he requested a motion to close the public hearing.

COMMISSIONER SEPESSY made a motion to **close** the public hearing. Seconded by COMMISSIONER HAMILTON. Voice vote. All in favor. Motion carried.

Lori Kosmatka presented the standards for approval.

CHAIRMAN GRAY requested a motion for the Variation.

COMMISSIONER GATTO made a motion to recommend that the Village Board grant a Variation to the Petitioner Mohamad Ghaddar, from Section III.J. (Fence Regulations) of the Tinley Park Zoning Ordinance to allow for the construction of a six-foot privacy fence in the Secondary Front Yard for the Property located at 9343 Sutton Place in the R-3 Single-Family Residential Zoning District, consistent with the plans submitted and adopt the Findings of Fact as proposed in the April 16, 2026 Staff Report. COMMISSIONER MONTALVO seconded. Roll call vote. All in favor. Motion carried.

CHAIRMAN GRAY noted the item would be heard at the May 5, 2026 Village Board meeting.

TO: VILLAGE OF TINLEY PARK PRESIDENT AND BOARD OF TRUSTEES

FROM: VILLAGE OF TINLEY PARK PLAN COMMISSION

SUBJECT: MINUTES OF THE APRIL 16, 2026 REGULAR MEETING

ITEM 2: PUBLIC HEARING – N&M LANDSCAPING, LLC – 8201 183RD STREET SUITE K – SPECIAL USE FOR A CONTRACTOR’S OFFICE

Consider recommending that the Village Board grant Izzet Frenkel and Michael Villapiano of N&M Landscaping, LLC a Special Use for a Substantial Deviation from the Tinley Crossings Corporate Center PUD to allow for the operation of a contractor’s office at 8201 183rd Street, Suite K, in the M-1 PD (General Manufacturing; Tinley Crossings Corporate Center PUD) Zoning District.

Present Plan Commissioners: Chairman Garrett Gray
Angela Gatto
Terry Hamilton
Eduardo Mani
Edgar Montalvo
Steve Sepessy

Absent Plan Commissioners: James Gaskill
Andrae Marak
Amanda Martinez

Village Staff: Mark Herman, Planning Manager
Lori Kosmatka, Senior Planner

Petitioners: Izzet Frenkel, N&M Landscaping
Michael Villapiano, N&M Landscaping
Harriet Basiorka, Mars2 Realty

Members of the Public: None

CHAIRMAN GRAY introduced item #2.

CHAIRMAN GRAY requested a motion to open the public hearing. COMMISSIONER GATTO made a motion to open the public hearing, seconded by COMMISSIONER MANI. CHAIRMAN GRAY requested a voice vote; all were in favor. Motion carried.

CHAIRMAN GRAY noted the proof of publication.

Lori Kosmatka, Senior Planner, presented the staff report.

CHAIRMAN GRAY invited the Petitioners to speak. The Petitioners declined.

CHAIRMAN GRAY asked if there were any questions from the public. Hearing none, he requested a motion to close the public hearing.

COMMISSIONER MANI made a motion to close the public hearing. Seconded by COMMISSIONER SEPESSY. Voice vote. All in favor. Motion carried.

Lori Kosmatka presented the standards for approval.

CHAIRMAN GRAY requested a motion for the Special Use.

COMMISSIONER GATTO made a motion to recommend that the Village Board grant a Special Use for a Contractor's Office and Shop in the Tinley Crossings Corporate Center PUD to the Petitioners, Izzet "Nick" Frenkel and Michael Villapiano of N&M Landscaping, LLC, at 8201 183rd Street, Suite K in the M-1 PD (General Manufacturing, Tinley Crossings Corporate Center PUD) Zoning District, subject to the condition that the Special Use granted to Katarzyna Orzechowski of DT Group, LLC (Ord. No. 2026-O-012) is maintained or the Petitioners take full occupancy of Suite K. COMMISSIONER MONTALVO seconded. Roll call vote. All in favor. Motion carried.

CHAIRMAN GRAY noted the item would be heard at the May 5, 2026 Village Board meeting.

TO: VILLAGE OF TINLEY PARK PRESIDENT AND BOARD OF TRUSTEES

FROM: VILLAGE OF TINLEY PARK PLAN COMMISSION

SUBJECT: MINUTES OF THE APRIL 16, 2026 REGULAR MEETING

ITEM 3: PUBLIC HEARING – VOLT HOME PROS, LLC – 18521 SPRING CREEK DRIVE, SUITE D – SPECIAL USE FOR A CONTRACTOR’S OFFICE

Consider recommending that the Village Board grant Joe Rueck of Volt Home Pros, LLC a Special Use for a Substantial Deviation from the North Creek Business Park PUD to allow for the operation of a contractor’s office at 18521 Spring Creek Drive, Suite D, in the ORI PD (Office and Restricted Industrial, North Creek Business Park PUD) Zoning District.

Present Plan Commissioners: Chairman Garrett Gray
Angela Gatto
Terry Hamilton
Eduardo Mani
Edgar Montalvo
Steve Sepessy

Absent Plan Commissioners: James Gaskill
Andrae Marak
Amanda Martinez

Village Staff: Mark Herman, Planning Manager
Lori Kosmatka, Senior Planner

Petitioners: Joe Rueck, Volt Home Pros

Members of the Public: None

CHAIRMAN GRAY introduced item #3.

CHAIRMAN GRAY requested a motion to open the public hearing. COMMISSIONER MANI made a motion to open the public hearing, seconded by COMMISSIONER SEPESSY. CHAIRMAN GRAY requested a voice vote; all were in favor. Motion carried.

CHAIRMAN GRAY noted the proof of publication.

Mark Herman, Planning Manager, presented the staff report.

CHAIRMAN GRAY invited the Petitioner to speak. The Petitioner declined.

CHAIRMAN GRAY asked if there were any questions from the public. Hearing none, he requested a motion to close the public hearing.

COMMISSIONER SEPESSY made a motion to close the public hearing. Seconded by COMMISSIONER HAMILTON. Voice vote. All in favor. Motion carried.

Mark Herman presented the standards for approval.

CHAIRMAN GRAY requested a motion for the Special Use.

COMMISSIONER MONTALVO made a motion to recommend that the Village Board grant a Special Use for a Contractor's Office and Shop in the North Creek Business Center PUD to the Petitioner, Joe Rueck of Volt LLC (dba Volt Home Pros), at 18521 Spring Creek Drive Suite D in the ORI PD (Office and Restricted Industrial, North Creek Business Center PUD) Zoning District. COMMISSIONER MANI seconded. Roll call vote. All in favor. Motion carried.

CHAIRMAN GRAY noted the item would be heard at the May 5, 2026 Village Board meeting.

Receive Comments from the Public

There were no comments from the public.

Good of the Order

Mark Herman, Planning Manager, requested that each Commissioner complete their Statement of Economic Interest before the May 1, 2026 deadline.

He noted that the issues 7 Brew was experiencing with IDOT were resolved.

Adjournment

CHAIRMAN GRAY requested a motion to adjourn the meeting.

COMMISSIONER MONTALVO made a motion to adjourn the meeting. COMMISSIONER HAMILTON seconded the motion. Voice vote. All were in favor. The meeting adjourned at 7:49 p.m.

PLAN COMMISSION STAFF REPORT

May 7, 2026 – Public Hearing

Petitioner

Alan Schwartz & Jessica
Lutchen

Property Location

17824 Woburn Road

PIN

27-34-215-038-0000

Zoning

R-3 PD (Single-Family
Residential; Radcliffe
Place PUD)

Approvals Sought

Variation

Project Planner

Michael O. Whalen, AICP
Associate Planner

Schwartz & Lutchen Side Yard Encroachments Variation

17824 Woburn Road

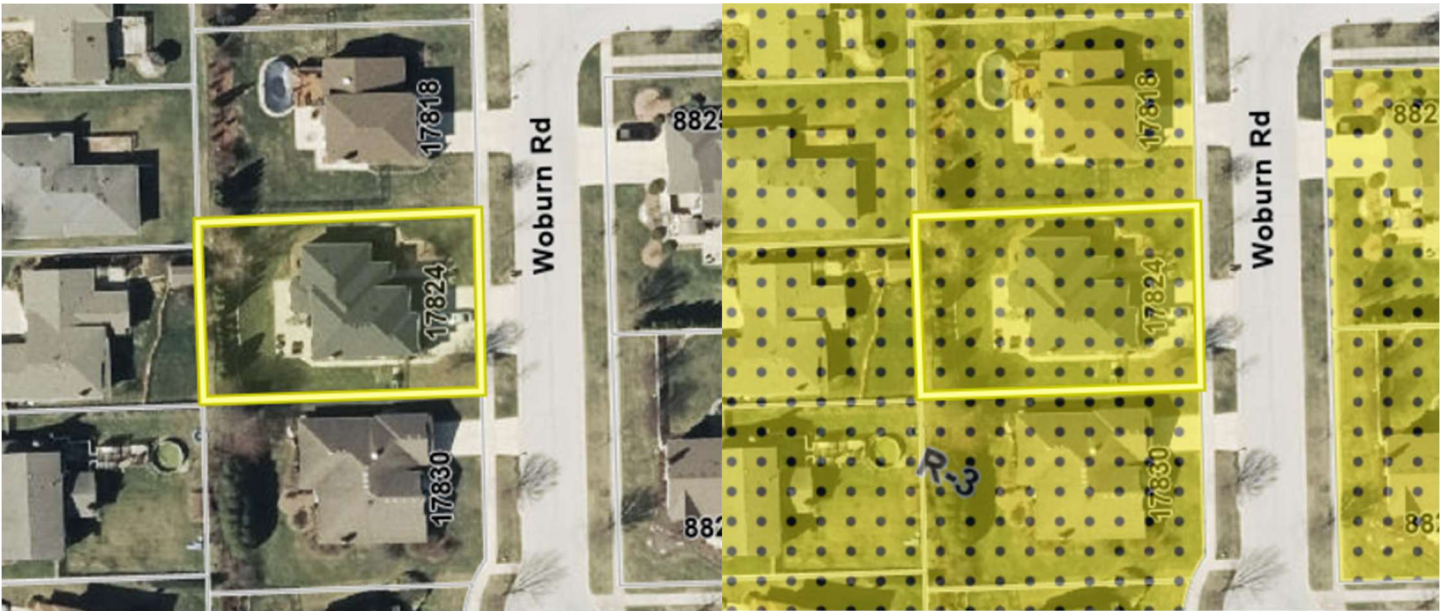


EXECUTIVE SUMMARY

The Petitioners are requesting a Variation from Section III.H.1. to allow an encroaching above-ground swimming pool and deck within the required side yard. The property is encumbered by an unusually large Public Utility and Drainage Easement ("P.U.D.E."), which consumes 91.7% of the required rear yard. The P.U.D.E. is situated in this manner because the rear of the property slopes significantly downward towards the interior of the lot, and the Village's storm sewer is present at the bottom of this slope.

The Petitioners' proposal would place a 21-foot-by-12-foot above-ground swimming pool within the seven-foot required side yard—two feet from the south property line. The proposal includes a 12-foot-by-10-foot deck on the east side of the pool to access the pool. The Petitioners are proposing a lattice screen for privacy on the deck.

The property owner of 17830 Woburn Road (the property immediately to the south) provided a statement of support for the proposal, which the Petitioners included with their application.



Location Map

Zoning Map

EXISTING SITE & HISTORY

The subject property is an 11,360 square foot interior lot in the Radcliffe Place subdivision. The subdivision was annexed into the Village on April 17, 1995, by Ord. No. 1995-O-011. Upon annexation, the subdivision was zoned R-3, and a Planned Unit Development ("PUD") was established by Ord. No. 1995-O-012. The Developer of Radcliffe Place, Gallagher & Henry, built a house on the subject property in 2004.

The PUD adjusted lot dimensional standards for R-3 properties. At the time the PUD was adopted, the Zoning Ordinance required that R-3 lots have a minimum lot area of 9,000 square feet and a minimum lot width of 75 feet. The required side setback was 10% of lot width on each side. The PUD modified these regulations to require a minimum 10,000-square-foot lot area, 85-foot lot width, and 7-foot side setbacks.

The Zoning Ordinance, as amended, requires R-3 lots have a minimum lot area of 10,000 square feet, and minimum width of 75 feet, and 8-foot side setbacks.

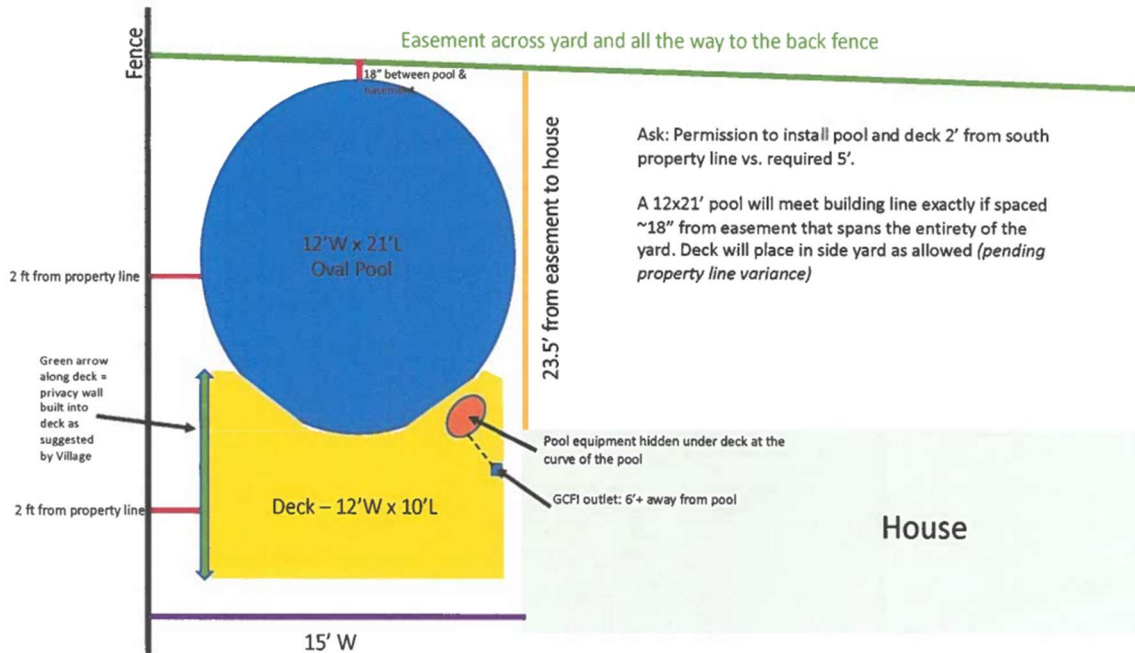
An unusually large P.U.D.E. was recorded across the rear of the property to accommodate a storm sewer 25-30 feet from the rear lot line. The easement (covering 91.7% of the rear yard) and sewer were situated in this manner because of the steep slope along the rear of the property. The elevation increases by seven feet over a distance of 27 feet.

ZONING & NEARBY LAND USES

The subject property is located within the **R-3 Single-Family Residential** Zoning District. The subject property is also located within the **Radcliffe Place PUD**. The table below indicates the surrounding zoning and land uses in the area:

Direction	Zoning	Land Use
North	R-3 PD Single-Family Residential Radcliffe Place PUD	<i>detached house</i>
East	R-3 PD Single-Family Residential Radcliffe Place PUD	<i>detached house</i>
South	R-3 PD Single-Family Residential Radcliffe Place PUD	<i>detached house</i>
West	R-3 PD Single-Family Residential Timbers Edge PUD	<i>detached house</i>

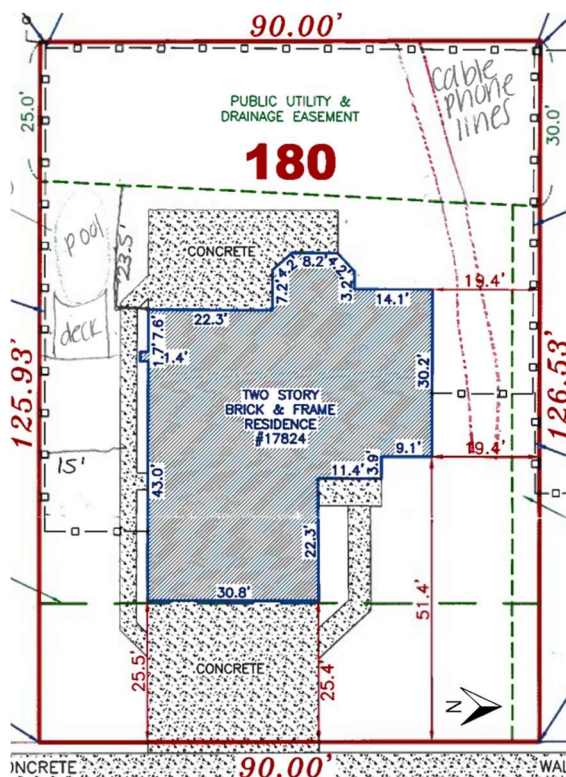
VARIATION REQUEST



Sketch provided by Petitioners (not to scale)

The Petitioners provided the above sketch to illustrate the Variation request. They are proposing to install an above-ground swimming pool with a free-standing deck within the required side yard, two feet from the south property line.

The south wall of the house is situated 19.3 feet from the south property line. A walkway is present along the side of the house. An open-style iron fence is present on the subject property, approximately three inches in from the southern property line. A concrete patio is present along the back of the house. The proposed pool would be in the backyard (the area between the rear wall of the house and the rear lot line).



Survey of 17824 Woburn Rd

Because of the presence of the P.U.D.E. and underground utilities near the northwest corner of the house, the subject property is very limited in available areas for a swimming pool. The Village does not allow permanent structures within easements and strongly advises against permanent structures where certain underground utilities (like the cable and phone lines present) are buried.

Section III.H.1. of the Zoning Ordinance regulates accessory structures and uses which encroach into residential required yards (setbacks). This section stipulates that decks are permitted to encroach into side and/or rear setbacks but must be situated at least five feet from the property line. This section also stipulates that swimming pools must be situated in rear yards no less than five feet from property lines. (Note: the Zoning Administrator has consistently interpreted "rear yard" in this context to mean the area between the rear wall of the principal building and the rear lot line, rather than as the *required* rear yard or setback.)

The Variation would reduce the minimum setback distance from property lines from five feet to two feet for the pool and deck. This Variation would allow the Petitioners to install a 21-foot-by-12-foot above-ground swimming pool and a 12-foot-by-10-foot deck with a lattice privacy screen to access the pool.

STANDARDS FOR A VARIATION

Section X.G.4. of the Zoning Ordinance states the Plan Commission shall not recommend a Variation of the regulations of the Zoning Ordinance unless it shall have made Findings of Fact, based upon the evidence presented for each of the Standards for Variations listed below. The Plan Commission must provide findings for the first three standards; the remaining standards are provided to help the Plan Commission further analyze the request. Staff draft Findings of Fact are provided below for the Commission's review and approval.

1. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in the district in which it is located.
The unusually large P.U.D.E. present on the subject property reduces the usable backyard space significantly compared to other similarly situated properties that typically have much smaller P.U.D.E.s.
2. The plight of the owner is due to unique circumstances.
The subject property is encumbered by an unusually large P.U.D.E. and relatively steep positive grade in the backyard, which limits the use of the property for typical accessory uses and structures.
3. The Variation, if granted, will not alter the essential character of the locality.
The Variation requested will not alter the character of the area.
4. Additionally, the Plan Commission shall also, in making its determination whether there are practical difficulties or particular hardships, take into consideration the extent to which the following facts favorable to the Petitioner have been established by the evidence:
 - a. The particular physical surroundings, shape, or topographical condition of the specific property involved would result in a particular hardship upon the owner, as distinguished from a mere inconvenience, if the strict letter of the regulations were carried out;
 - b. The conditions upon which the petition for a Variation is based would not be applicable, generally, to other property within the same zoning classification;
 - c. The purpose of the Variation is not based exclusively upon a desire to make more money out of the property;
 - d. The alleged difficulty or hardship has not been created by the owner of the property, or by a previous owner;
 - e. The granting of the Variation will not be detrimental to the public welfare or injurious to other property or improvements in the neighborhood in which the property is located; and
 - f. The proposed Variation will not impair an adequate supply of light and air to an adjacent property, or substantially increase the congestion in the public streets, or increase the danger of fire, or endanger the public safety, or substantially diminish or impair property values within the neighborhood.

MOTION TO CONSIDER

If the Plan Commission wishes to take action, an appropriate wording of the motions would read:

“...make a motion to recommend that the Village Board grant the Petitioners, Alan Schwartz and Jessica Lutchen, a Variation from Section III.H.1. of the Zoning Ordinance to reduce the minimum setback of a swimming pool and deck along the south side property line from five feet to two feet for the property at 17824 Woburn Road in the R-3 PD (Single-Family Residential, Radcliffe Place PUD) Zoning District, in accordance with the plans submitted and adopt the Findings of Fact as proposed in the May 7, 2026 Staff Report.”

LIST OF REVIEWED PLANS

Submitted Sheet Name		Prepared By	Date On Sheet
1	Application	Petitioner	4/10/2026
2	Variation Addendum	Petitioner	4/10/2026
3	Narrative	Petitioner	4/10/2026
4	Plat of Survey	JNT Surveying	12/2/2024
5	Concept Sketch	Petitioner	4/10/2026
6	Neighbor Statement	Lucy Lamargo	4/9/2026



Village of Tinley Park
Community Development Dept.
16250 S. Oak Park Ave.
Tinley Park, IL 60477
708-444-5100

VILLAGE OF TINLEY PARK, ILLINOIS PLANNING AND ZONING GENERAL APPLICATION

REQUEST INFORMATION

*Additional Information is Required for Specific Requests as Outlined in Specific Addendums

- ☐ Special Use for: _____
- ☐ Planned Unit Development (PUD) ☐ Concept ☐ Preliminary ☐ Final ☐ Deviation
- ☒ Variation ☒ Residential ☐ Commercial for pool & deck to be closer to property line
- ☐ Annexation
- ☐ Rezoning (Map Amendment) From _____ to _____
- ☐ Plat (Subdivision, Consolidation, Public Easement) ☐ Preliminary ☐ Final
- ☐ Site Plan
- ☐ Landscape Change Approval
- ☐ Other: _____

PROJECT & PROPERTY INFORMATION

Project Name: Pool & Deck

Project Description: above ground pool & respective deck, requesting to be within approximately 2.5ft of property line

Project Address: 17824 Woburn Road Property Index No. (PIN): _____

Zoning District: _____ Lot Dimensions & Area: 90'x125'

Estimated Project Cost: \$ 30,000

OWNER OF RECORD INFORMATION

Please supply proper documentation of ownership and/or designated representative for any corporation.

Name of Owner: Alan Schwartz & Jessica Lutchen Company: _____

Street Address: _____ City, State & Zip: _____

E-Mail Address: _____ Phone Number: _____

APPLICANT INFORMATION

☒ Same as Owner of Record

All correspondence and invoices will be sent to the applicant. If applicant is different than owner, "Authorized Representative Consent" section must be completed.

Name of Applicant: _____ Company: _____

Relation To Project: _____

Street Address: _____ City, State & Zip: _____

E-Mail Address: _____ Phone Number: _____



Village of Tinley Park
Community Development Dept.
16250 S. Oak Park Ave.
Tinley Park, IL 60477
708-444-5100

VILLAGE OF TINLEY PARK, ILLINOIS PLANNING AND ZONING GENERAL APPLICATION

Authorized Representative Consent

It is required that the property owner or his designated representative be present at all requests made to the Plan Commission and Zoning Board of Appeals. During the course of a meeting, questions may arise regarding the overall project, the property, property improvements, special conditions attached to recommendations among other aspects of any formal request. The representative present must have knowledge of the property and all aspects of the project. They must have the authority to make commitments related to the project and property. Failure to have the property owner or designated representative present at the public meeting can lead to substantial delays to the project approval. If the owner cannot be present or does not wish to speak at the public meeting, the following statement must be signed by the owner for an authorized representative.

I hereby authorize _____ (print clearly) to act on my behalf and advise that they have full authority to act as my/our representative in regards to the subject property and project, including modifying any project or request. I agree to be bound by all terms and agreements made by the designated representative.

Property Owner Signature: _____

Property Owner Name (Print): _____

Acknowledgements

- Applicant acknowledges, understands and agrees that under Illinois law, the Village President (Mayor), Village Trustees, Village Manager, Corporation Counsel and/or any employee or agent of the Village or any Planning and Zoning Commission member or Chair, does not have the authority to bind or obligate the Village in any way and therefore cannot bind or obligate the Village. Further, Applicant acknowledges, understands and agrees that only formal action (including, but not limited to, motions, resolutions, and ordinances) by the Board of Trustees, properly voting in an open meeting, can obligate the Village or confer any rights or entitlement on the applicant, legal, equitable, or otherwise.
- Members of the Plan Commission, Zoning Board of Appeals, Village Board as well as Village Staff may conduct inspections of subject site(s) as part of the pre-hearing and fact finding review of requests. These individuals are given permission to inspect the property in regards to the request being made.
- Required public notice signs will be obtained and installed by the Petitioner on their property for a minimum of 10 days prior to the public hearing. These may be provided by the Village or may need to be produced by the petitioner.
- The request is accompanied by all addendums and required additional information and all applicable fees are paid before scheduling any public meetings or hearings.
- Applicant verifies that all outstanding fees and monies owed to the Village of Tinley Park have been paid.
- Any applicable recapture, impact, engineering, contracted review or other required fees and donations shall be paid prior to issuance of any building permits, occupancy permits, or business licenses.
- The Owner and Applicant by signing this application certify that the above information and all supporting addendums and documentation is true and correct to the best of their knowledge.

Property Owner Signature: _____

Property Owner Name (Print): _____

Jessica Lutchen

Al Schwartz

Applicant Signature:
(If other than Owner)

Applicant's Name (Print): _____

Date: _____

4/9/2026



Village of Tinley Park
Community Development Dept.
16250 S. Oak Park Ave.
Tinley Park, IL 60477
708-444-5100

VILLAGE OF TINLEY PARK, ILLINOIS VARIATION ADDENDUM

APPLICATION & SUBMITTAL REQUIREMENTS

A complete application consists of the following items submitted in a comprehensive package. If materials are submitted separately or are incomplete they will not be accepted and may delay the review and hearing dates until a complete application package is received. The following information is being provided in order to assist applicants with the process of requesting a **Variation** from the terms of the Zoning Ordinance. This information is a summary of the application submittal requirements and may be modified based upon the particular nature and scope of the specific request.

Depending upon meeting schedules, legal notification requirements, and the specific type and scope of the request, this process generally takes between 45 to 60 days from the date of submission of a complete application package. Please schedule a pre-application meeting with Planning Department staff to review the feasibility of the proposal, discuss applicable Ordinance requirements, discuss submittal requirements and receive preliminary feedback on any concept ideas or plans prior to making a submittal.

- ☒ General Application form is complete and is signed by the property owner(s) and applicant (if applicable).
- ☒ Ownership documentation is submitted indicating proper ownership through a title report or title policy. If a corporation or partnership, documentation of the authorized agent must be supplied as well. All beneficiaries of a property must be disclosed.
- ☒ A written project narrative detailing the specific variation(s) from code requirements that are being requested, the reasoning for requiring the variation, the general nature and specific aspects of the proposal being requested. Any additional requests such as a Special Use or Site Plan approval should be indicated in the narrative as well.
- ☐ A Plat of Survey of the property that is prepared by a register land surveyor and has all up-to-date structures and property improvements indicated. All proposed improvements shall be indicated on the survey and be appropriately scaled with all setbacks and dimensions clearly indicated. *Walter SMARA picked up a copy of this from us on 9/2*
- ☒ Any applicable site plan, engineering/grading plans, exterior elevations or interior layout plans that indicate the full scope of the project and the Standards for a Variation.
- ☒ Responses to all Standards for a Variation on the following page (can be submitted separately along with the narrative, but all standards must be covered).
- ☒ Residential Variation Hearing Fee - \$250 + \$75 per additional Variation
- ☒ Commercial Variation Hearing Fee - \$500 + \$75 per additional Variation

STANDARDS AND CRITERIA FOR A VARIATION

Section X.G.1 of the Village of Tinley Park Zoning Ordinance requires that the Zoning Board of Appeals determine compliance with the following standards and criteria. In order for a variance to be approved, the Petitioner must respond to all the following statements and questions related to the Standards with factual evidence and information to support the requested Variation. If additional space is required, you may provide the responses on a separate document or page.

- A. Describe the difficulty that you have in conforming with the current regulations and restrictions relating to your property, and describe how this hardship is not caused by any persons presently having an interest in the property. (Please note that a mere inconvenience is insufficient to grant a Variation). For example, does the shape or size of the lot, slope, or the neighboring surroundings cause a severe problem in completing the project in conformance with the applicable Ordinance requirement?**

Our lot has unique characteristics that make strict compliance with the setback regulations unusually difficult. The significant easements, shape of the property, elevation across the length of the yard and the placement of permanent structures (home) leave no reasonable alternative location for the pool and deck.

- B. Describe any difficulties or hardships that current zoning regulations and restrictions would have in decreasing your property value compared to neighboring properties.**

Four houses within a 250 ft radius have an above ground pool and deck. If we all were to go up for sale at the same time, our house would be at a disadvantage as the others due to amenities offered.

- C. Describe how the above difficulty or hardship was created.**

Most of our backyard is unable to accomodate the improvements due extraordinary easements and the entire length of our backyard is at an elevaton due to aforementioned easements.

- D. Describe the reasons this Variance request is unique to this property only and is not applicable, in general, to other properties within the same Zoning District.**

The lot's significant easements and layout and create practical limitations that make it difficult to accommodate a pool and deck within the standard setback requirements. Unlike neighboring properties, the usable yard space is constrained in a way that necessitates a modest encroachment to allow for reasonable residential use.

- E. Explain how this Variance would not be regarded as an attempt at financial gain, but only because of personal necessity. For example, the intent of the Variance is to accommodate related living for an elderly relative as opposed to adding an additional income source.**

The pool and deck are solely for normal residential use and enjoyment, consistent with what is typical for single-family homes in the area. The variance is necessary due to the specific constraints of the property, and without it, we are not able to reasonably utilize the yard for customary outdoor living improvements.

- F. Describe how granting this Variance request will not be detrimental to the public welfare or injurious to other properties or improvements in the neighborhood in which the property is located.**

The proposed improvement is consistent with the character of the neighborhood, where similar outdoor amenities are common, and it will not create excessive noise, traffic, or visual impact. Proper landscaping and screening will further minimize any potential impact on adjacent properties, consistent with the family-friendly and well-maintained neighborhood we live in.

- G. Explain how granting this Variance will not alter the essential charter of the neighborhood or locality.**

Additionally, the design of the pool and deck will be in keeping with the existing home and surrounding properties, using materials and landscaping that blend with the neighborhood's appearance. The placement and materials used will not be visually intrusive and will be appropriately screened for additional sound barriers and privacy where necessary.

H. Describe how the requested Variance will not:

1. Impair an adequate supply of light and air to adjacent properties.

Neighboring properties will continue to receive the same access to light and air as they do currently.

2. Substantially increase the congestion of the public streets.

The improvements will be used by the homeowners in a manner typical of any single-family residence. There will be no change to parking demand, street usage, or traffic patterns in the area.

3. Increase the danger of fire.

The proposed variation will allow us to maintain a safe and clear path to enter and exit the backyard through a locked fence.

4. Impair natural drainage or create drainage problems on adjacent property.

The proposed improvements will maintain current drainage conditions and will not cause water accumulation, runoff, or flooding on adjacent properties.

5. Endanger the public safety.

The pool will include all required safety features, such as compliant fencing, self-latching gates, and any other mandated barriers to prevent unauthorized access. The location of the pool and deck will not interfere with emergency access, utilities, or visibility, and will not create any hazardous conditions for neighboring properties or passersby. The improvements are typical residential features that do not pose a risk to public health or safety.

6. Substantially diminish or impair property values within the neighborhood.

Suggested improvements will offer no bearing on property values in our neighborhood.

Variance Request - 17824 Woburn Road

We are kindly asking for a variance to allow a pool and deck to be within approximately two feet from the property line instead of the five feet per village ordinance given the significant easements in our backyard. Due to significant easements and elevation due to easements, most of our yard is unsuitable for recommended property improvements.

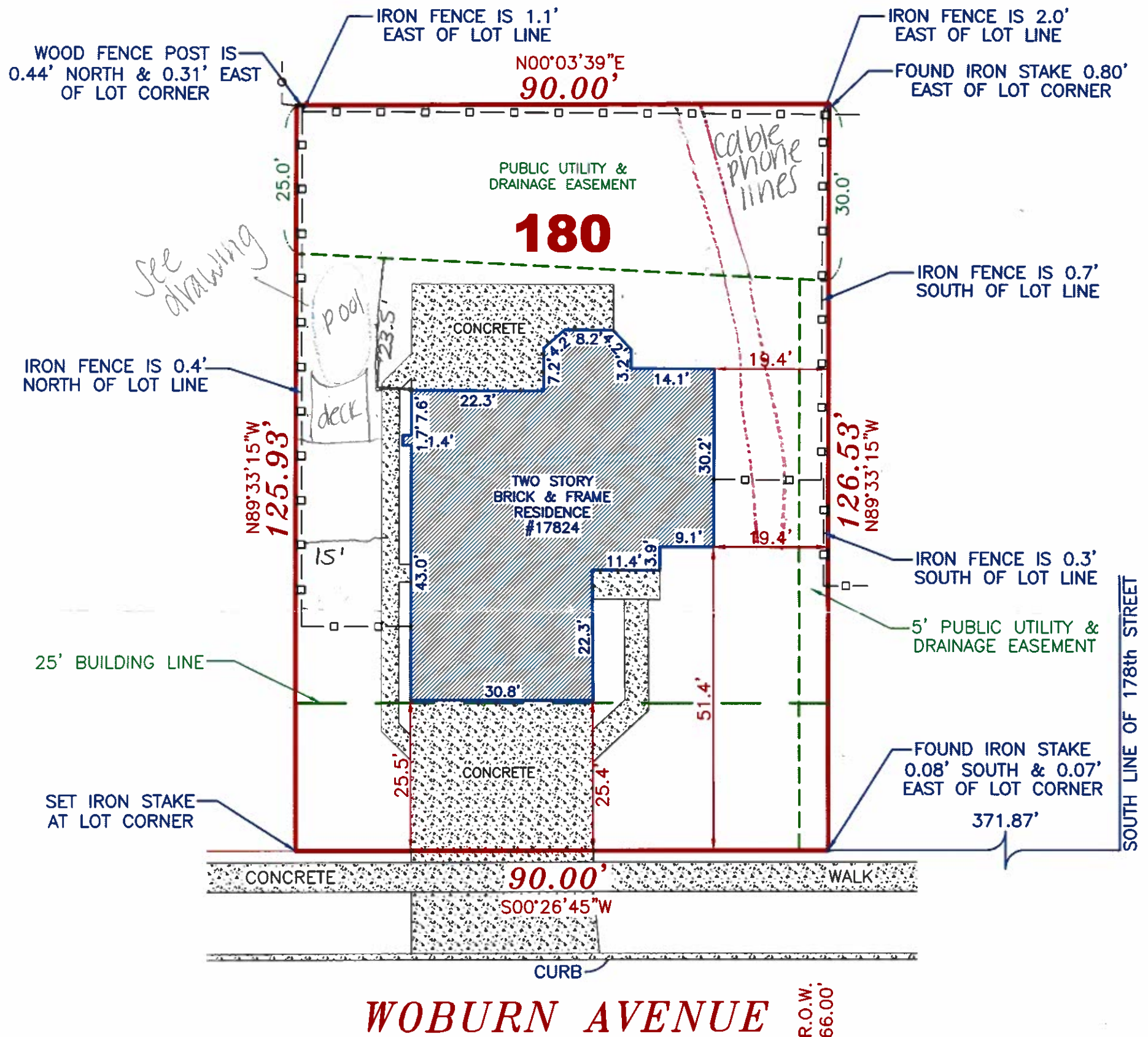
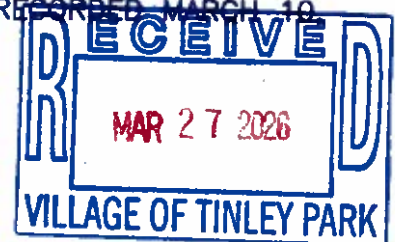
We have taken great efforts to size the pool to perfectly fit from the back property line easement to the back of the building line to maintain the pool location in the backyard per ordinance, and have sized a deck to fit and match the pool in the side yard per ordinance, and the requested variance represents the minimum adjustment necessary to allow normal residential use consistent with similar homes in the village and immediate neighboring properties.

We are committed to installing the pool and deck in a way that maintains neighborhood character (hence aligning the deck with the pool width to maintain a visually appealing and safer set-up), protect privacy with a privacy wall on the deck, and minimize any impact on adjacent properties. Granting this variance will allow us to make reasonable use of our property while ensuring the installation remains safe, attractive, and compliant with all other applicable codes.

Additionally, we have the full support of our neighbor who lives on the south side of the property line - Ms. Lucy Lamargo.

OF

COMMON ADDRESS: 17824 WOBURN ROAD



CLIENT: LETTY ELWOOD



STEVEN J. NAGEL
035-3354
PROFESSIONAL
LAND SURVEYOR
STATE OF
ILLINOIS
HOMER GLEN ILLINOIS

THIS PROFESSIONAL SERVICE
CONFORMS TO THE CURRENT
ILLINOIS MINIMUM STANDARDS
FOR A BOUNDARY SURVEY.
LICENSE EXPIRES 11/30/26

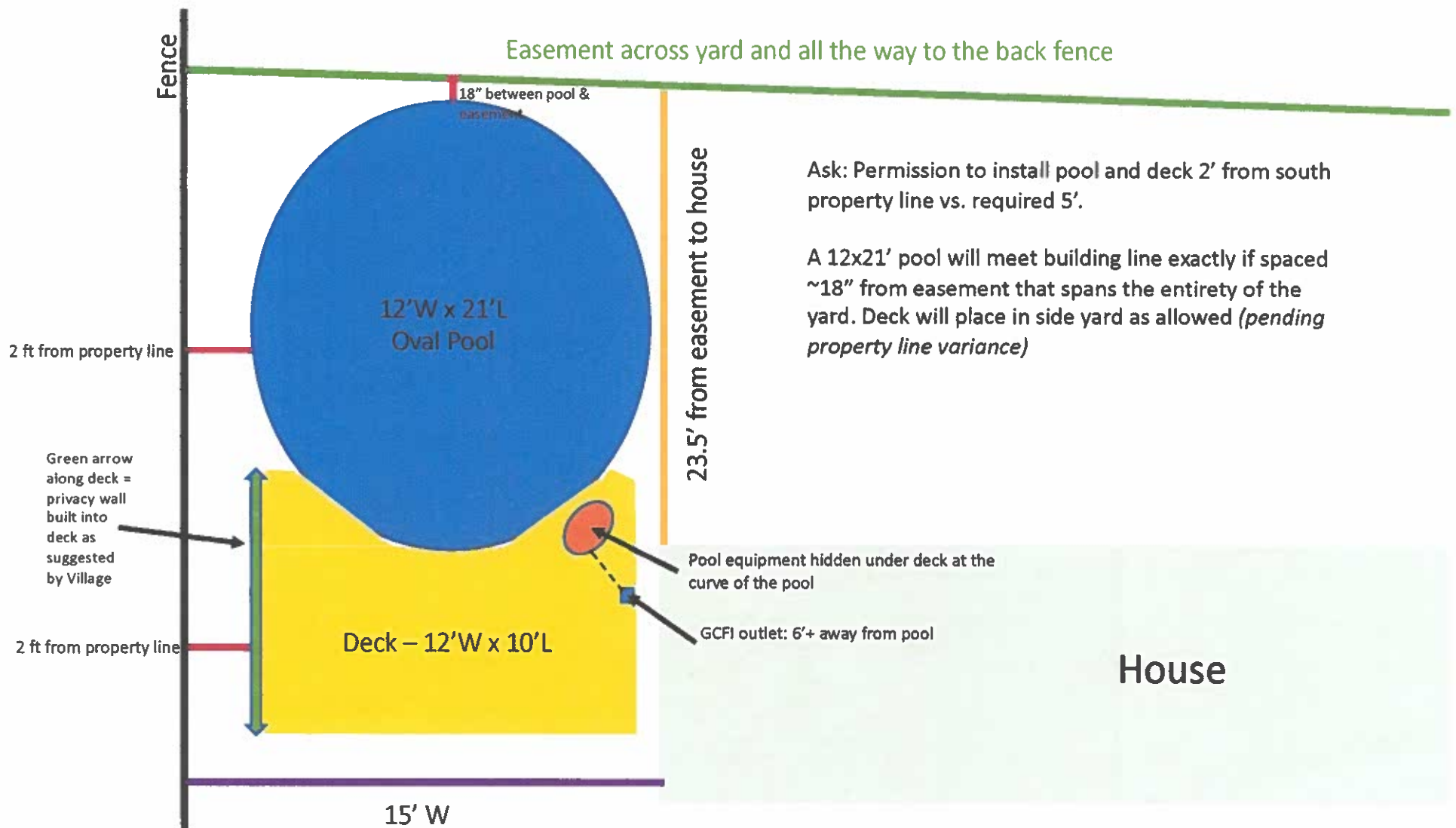


1" = 20'
SCALE

JNT LAND SURVEYING SERVICES INCORPORATED HEREBY
CERTIFIES THAT IT HAS SURVEYED THE TRACT OF LAND
ABOVE DESCRIBED, AND THAT THE HEREON DRAWN PLAT
IS A CORRECT REPRESENTATION THEREOF.

Dated this 2nd Day of DECEMBER, 2024.

Steven Nagel



Ask: Permission to install pool and deck 2' from south property line vs. required 5'.

A 12x21' pool will meet building line exactly if spaced ~18" from easement that spans the entirety of the yard. Deck will place in side yard as allowed (*pending property line variance*)

April 9, 2026

To Whom It May Concern:

I am writing to express my support for my neighbors at 17824 Woburn Road and their request to allow the construction of a pool and deck closer to the property line than currently permitted.

I believe they have thoughtfully planned this with great consideration and I fully support this variance request and respectfully ask that it be approved.

Sincerely,

A solid black rectangular box used to redact the signature of Lucy Lamargo.

Lucy Lamargo

Owner of 17830 Woburn Road

PLAN COMMISSION STAFF REPORT

May 7, 2026 – Public Meeting

Petitioner

David Caburnay (Scout Services) on behalf of Crown Castle

Property Location

18301 Ridgeland Avenue

PIN

31-01-100-015-0000

31-05-100-022-0000

Zoning

R-1 Single-Family
Residential District

Approvals Sought

Site Plan/Architectural
Approval

Project Planner

Mark Herman, MPA, AICP
Planning Manager

Crown Castle Expansion of Ground Equipment Enclosure – Site Plan Approval

18301 Ridgeland Avenue

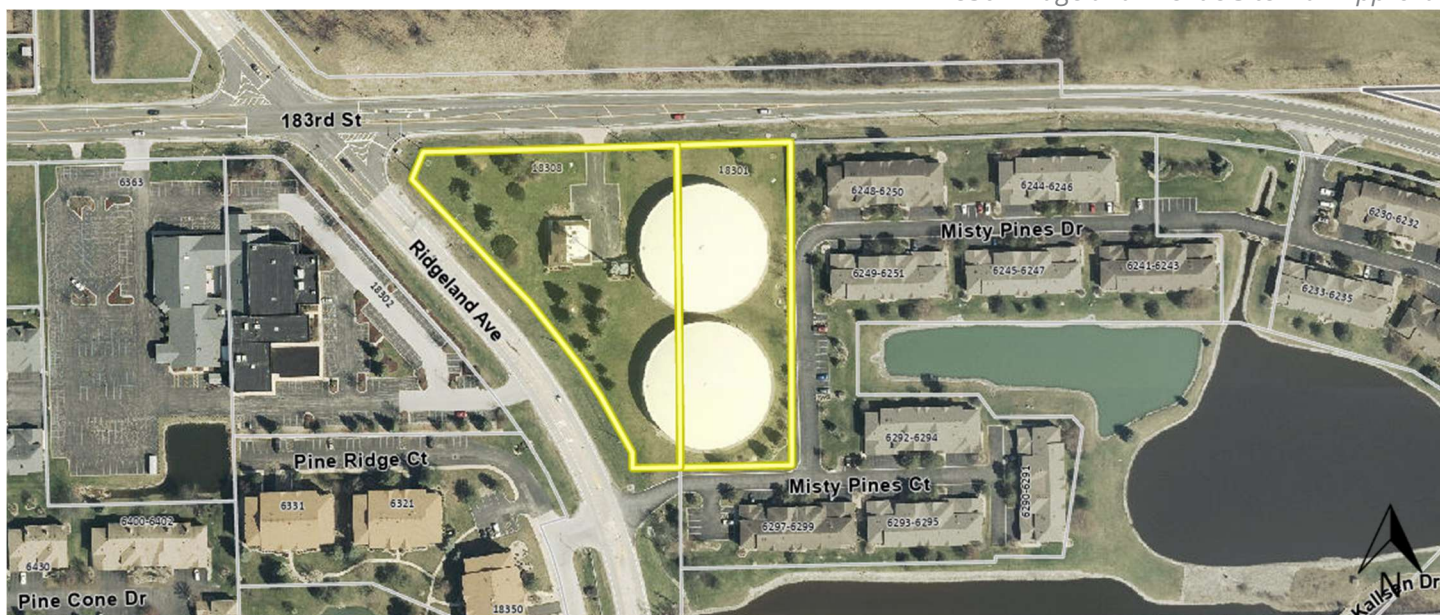


EXECUTIVE SUMMARY

The Petitioner, David Caburnay (Scout Services) on behalf of Crown Castle, is requesting Site Plan / Architectural approval for a 250 square foot expansion of an existing telecommunications ground equipment enclosure with associated masonry wall and landscaping.

The Village's wireless services facilities regulations require Site Plan Approval for changes to ground equipment that would "alter the existing footprint of the existing ground equipment enclosure" (Zoning Ordinance Section III.W.4.(5).i.).

The subject property is zoned R-1 Single-Family Residential Zoning district and commonly known as 18301-18308 Ridgeland Avenue.



Site location map and aerial

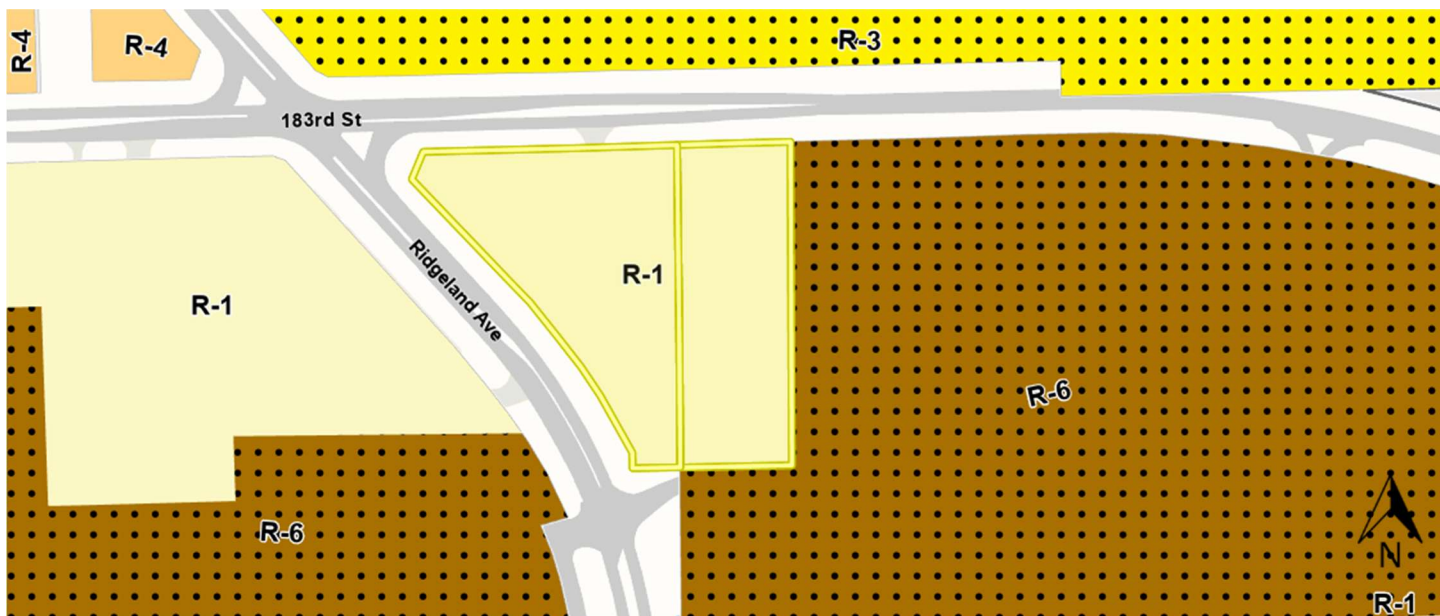
EXISTING SITE & HISTORY

The subject property consists of two parcels totaling approximately 3.5 acres. The property is owned by the Village of Tinley Park and is primarily used for a pump house and water tanks for the Village water system. The site also contains a 110-foot monopole with telecommunications equipment and associated ground equipment.

ZONING & NEARBY LAND USES

The subject property is located within the **B-5 Automotive Service** zoning district. The table below indicates the surrounding zoning and land uses in the area:

Direction	Zoning	Land Use
North	R-3 Single-Family Residential (PUD)	Forest Preserve
East	R-6 Medium Density Residential	Single-family attached residential
South	R-6 Medium Density Residential	Single-family attached residential
West	R-1 Single-Family Residential	Religious institution



Zoning map

EXISTING 110'-8" MONOPOLE TOWER

EXISTING LANDSCAPE TO REMAIN (TYP.)

EXISTING MANHOLE (TYP.)

EXISTING LEASE AREA (OTHER CARRIER)

EXISTING PLATFORM (OTHER CARRIER)

EXISTING GRAVEL COMPOUND

EXISTING FENCING TO BE REMOVED (TYP.)

EXISTING LANDSCAPE TO BE REMOVED (TYP.)

EXISTING TOWER LEASE AREA

EXISTING LANDSCAPE AREA TO BE REMOVED & GRADED FOR PROPOSED EQUIPMENT AND LANDSCAPING. REMOVE TOPSOIL IN PROPOSED COMPOUND AREA.

EXISTING WATER TANK

EQUIPMENT ACCESS, USE HAY AND/OR TEMPORARY SEEDING.

TS

PROTECT EXISTING TREES AS NEEDED

EXISTING LANDSCAPE TO REMAIN (TYP.)

EXISTING MANHOLE (TYP.)

SEDIMENT FENCE (TYP.)

TS PS

LIMITS OF DISTURBANCE 1,309.2 SF

20'-0"

32'-6"

5'-0"

12'-6"

20'-0"

5'-0"

EXISTING SPOT LIGHT

EXISTING WATER TANK

GRADE PROPOSED GRAVEL SURFACE TO DRAIN NORTH TOWARDS EXISTING COMPOUND WITH A 1/4" PER FOOT MIN. SLOPE TO ENSURE POSITIVE DRAINAGE, UTILIZE CLEAN, GRADED FILL, COMPACTED TO 95% OF MODIFIED PROCTOR PRIOR TO GRAVEL PLACEMENT.

PROVIDE #57 CRUSHED GRAVEL WITH MIRAFI 500X GEOFABRIC UNDERLAYMENT THROUGHOUT THE FENCED COMPOUND

PROPOSED 5' LANDSCAPING BUFFER

GRADE PROPOSED LANDSCAPE BUFFER AWAY FROM WALL AT 1" PER FOOT MIN

x 697.10' (E)

697

x 697.10' (E)

x 697.50' (E)

x 697.10' (P)

x 697.50' (P)

M

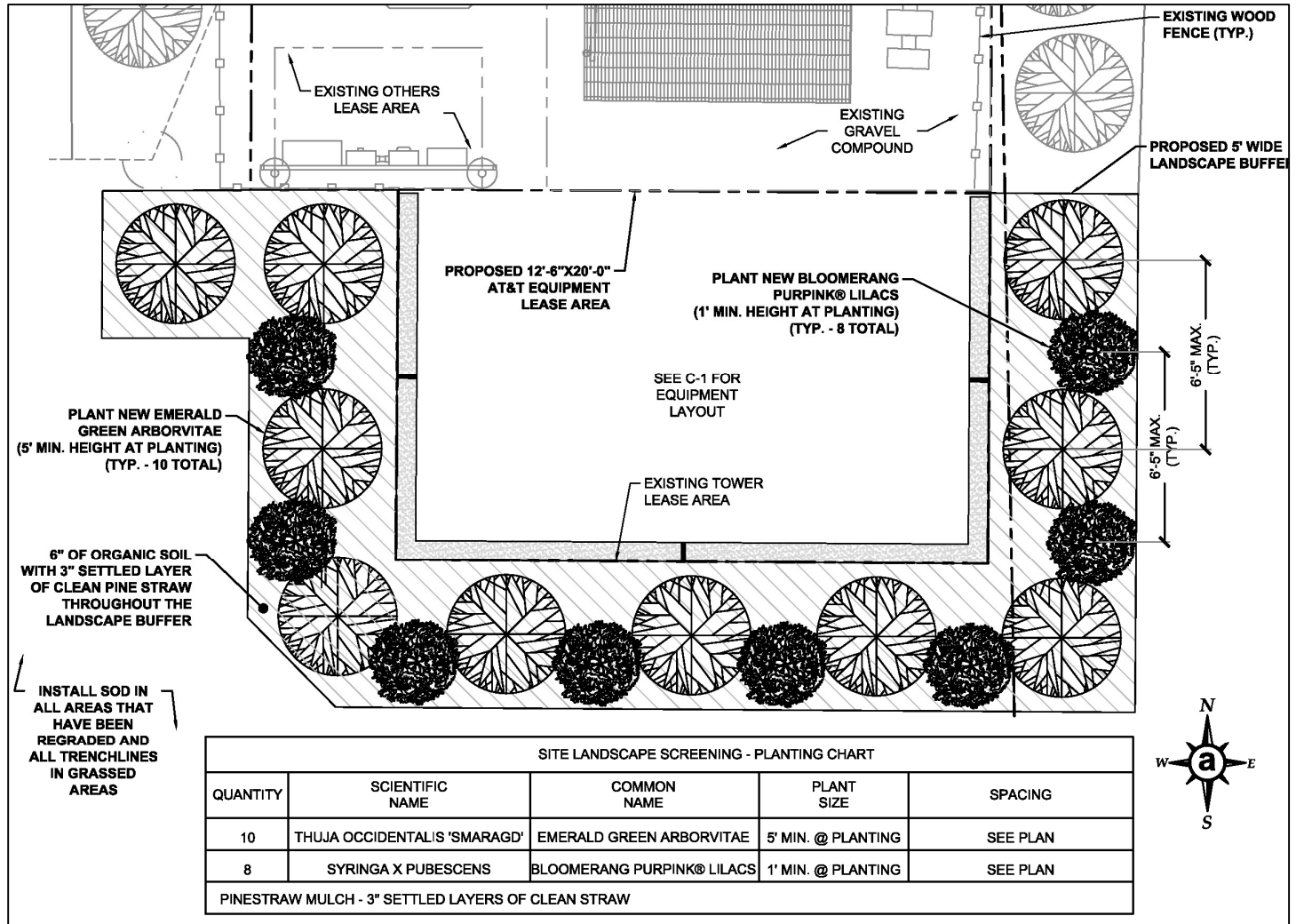
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M

Page 3 of 7

LANDSCAPING AND SCREENING

The existing equipment enclosure is enclosed by a solid wood fence. Section III.W.4.d.(5).ii of the Zoning Ordinance regulates the screening for freestanding cell towers and associated ground equipment. This section of the Zoning Ordinance requires masonry "shelter" for ground equipment screening. The existing wood fence is therefore legally nonconforming, and the expanded area would require a masonry wall between 6' and 8' in height. The proposed CMU block wall is proposed to match the height of the existing eight-foot-tall fence. Landscaping is also required (per Section III.W.4.d.(5).iii) around the equipment enclosure. The applicant is proposing to maintain the landscaping on the east and west sides of the existing enclosure and install 10 arborvitae and 8 lilacs around the perimeter of the new enclosure.



Proposed Landscape Plan

SITE PLAN STANDARDS ANALYSIS

Many of the Village standards for Site Plan and Architectural approval are not directly applicable to the project. There is no new building proposed, so standards regarding building materials, building design, roof, entry and articulation are not applicable. The ground mounted telecommunications equipment could be considered mechanical equipment. The standards for site plan approval would require screening of mechanical equipment from public view; which the proposed plan provides with the masonry wall. There is an existing access easement allowing access from 183rd Street to the ground equipment area. There would be room on site for parking in the event a contractor needed to access the site for maintenance. Plans do not show any installation of new lighting.

STANDARDS FOR SITE PLAN AND ARCHITECTURAL APPROVAL

Section III.T.2. of the Zoning Ordinance requires that the conditions listed below must be met and reviewed for Site Plan approval. Specific findings are not required but all standards shall be considered to have been met upon review from the Plan Commission.

Architecture

- a. **Building Materials:** The size of the structure will dictate the required building materials (Section V.C. Supplementary District Regulations). Where tilt-up or pre-cast masonry walls (with face or thin brick inlay) are allowed vertical articulation, features are encouraged to mask the joint lines. Concrete panels must incorporate architectural finishes that comply with "Building Articulation" (Section III.U.5.h.) standards. Cast in place concrete may be used as an accent alternate building material (no greater than 15% per façade) provided there is sufficient articulation and detail to diminish it's the appearance if used on large, blank walls.
- b. **Cohesive Building Design:** Buildings must be built with approved materials and provide architectural interest on all sides of the structure. Whatever an architectural style is chosen, a consistent style of architectural composition and building materials are to be applied on all building facades.
- c. **Compatible Architecture:** All construction, whether it be new or part of an addition or renovation of an existing structure, must be compatible with the character of the site, adjacent structures and streetscape. Avoid architecture or building materials that significantly diverge from adjacent architecture. Maintain the rhythm of the block in terms of scale, massing and setback. Where a development includes outlots they shall be designed with compatible consistent architecture with the primary building(s). Site lighting, landscaping and architecture shall reflect a consistent design statement throughout the development.
- d. **Color:** Color choices shall consider the context of the surrounding area and shall not be used for purposes of "attention getting" or branding of the proposed use. Color choices shall be harmonious with the surrounding buildings; excessively bright or brilliant colors are to be avoided except to be used on a minor scale for accents.
- e. **Sustainable architectural design:** The overall design must meet the needs of the current use without compromising the ability of future uses. Do not let the current use dictate an architecture so unique that it limits its potential for other uses (i.e. Medieval Times).
- f. **Defined Entry:** Entrance shall be readily identifiable from public right-of-way or parking fields. The entry can be clearly defined by using unique architecture, a canopy, overhang or some other type of weather protection, some form of roof element or enhanced landscaping.
- g. **Roof:** For buildings 10,000 sf or less a pitched roof is required or a parapet that extends the full exterior of the building. For buildings with a continuous roof line of 100 feet or more, a change of at least five feet in height must be made for every 75 feet.
- h. **Building Articulation:** Large expanses of walls void of color, material or texture variation are to be avoided. The use of material and color changes, articulation of details around doors, windows, plate lines, the provision of architectural details such as "belly-bands" (decorative cladding that runs horizontally around the building), the use of recessed design elements, exposed expansion joints, reveals, change in texture, or other methods of visual relief are encouraged as a means to minimize the oppressiveness of large expanses of walls and break down the overall scale of the building into intermediate scaled parts. On commercial buildings, facades greater than 100 feet must include some form of articulation of the façade through the use of recesses or projections of at least 6 inches for at least 20% of the length of the façade. For industrial buildings efforts to break up the long façade shall be accomplished through a change in building material, color or vertical breaks of three feet or more every 250 feet.
- i. **Screen Mechanicals:** All mechanical devices shall be screened from all public views.
- j. **Trash Enclosures:** Trash enclosures must be screened on three sides by a masonry wall consistent with the architecture and building material of the building it serves. Gates must be kept closed at all times and constructed of a durable material such as wood or steel. They shall not be located in the front or corner side yard and shall be set behind the front building façade.

Site Design

- a. Building/parking location: Buildings shall be located in a position of prominence with parking located to the rear or side of the main structure when possible. Parking areas shall be designed so as to provide continuous circulation avoiding dead-end parking aisles. Drive-through facilities shall be located to the rear or side of the structure and not dominate the aesthetics of the building. Architecture for canopies of drive-through areas shall be consistent with the architecture of the main structure.
- b. Loading Areas: Loading docks shall be located at the rear or side of buildings whenever possible and screened from view from public rights-of-way.
- c. Outdoor Storage: Outdoor storage areas shall be located at the rear of the site in accordance with Section III.O.1. (Open Storage). No open storage is allowed in front or corner side yards and are not permitted to occupy areas designated for parking, driveways or walkways.
- d. Interior Circulation: Shared parking and cross access easements are encouraged with adjacent properties of similar use. Where possible visitor/employee traffic shall be separate from truck or equipment traffic.
- e. Pedestrian Access: Public and interior sidewalks shall be provided to encourage pedestrian traffic. Bicycle use shall be encouraged by providing dedicated bikeways and parking. Where pedestrians or bicycles must cross vehicle pathways a cross walk shall be provided that is distinguished by a different pavement material or color.

MOTION TO CONSIDER

If the Plan Commission wishes to take action, an appropriate wording of the motion would read:

“...make a motion to grant the Petitioner Site Plan Approval for the expansion of telecommunications ground equipment area with masonry enclosure and landscaping at 18301 Ridgeland Avenue in accordance with the plans submitted and adopt the Findings of Fact as proposed in the May 7, 2026 staff report.”

LIST OF REVIEWED PLANS

Submitted Sheet Name		Prepared By	Date On Sheet
1.	Planning & Zoning General Application (Redacted)	Petitioner	4/22/2026
2.	Civil Plans (includes site plan and landscape plan)	Amentum	Rev. 4/08/2026



Village of Tinley Park
Community Development Dept.
16250 S. Oak Park Ave.
Tinley Park, IL 60477
708-444-5100

VILLAGE OF TINLEY PARK, ILLINOIS
PLANNING AND ZONING GENERAL APPLICATION

REQUEST INFORMATION

*Additional Information is Required for Specific Requests as Outlined in Specific Addendums

- ☐ Special Use for: _____
- ☐ Planned Unit Development (PUD) ☐ Concept ☐ Preliminary ☐ Final ☐ Deviation
- ☐ Variation ☐ Residential ☐ Commercial for _____
- ☐ Annexation
- ☐ Rezoning (Map Amendment) From _____ to _____
- ☐ Plat (Subdivision, Consolidation, Public Easement) ☐ Preliminary ☐ Final
- ☒ Site Plan
- ☐ Landscape Change Approval
- ☐ Other: _____

PROJECT & PROPERTY INFORMATION

Project Name: AT&T NSB Collocation installation on Crown Tower

Project Description: Install 9 antennas, 9 RRHs, 2 DC9s, 3 Sector mounts on the tower and install a new 12'6"

Project Address: 18301 Ridgeland Ave Property Index No. (PIN): 31-01-100-015-0000

Zoning District: Tinley Park Lot Dimensions & Area: _____

Estimated Project Cost: \$ _____

OWNER OF RECORD INFORMATION

Please supply proper documentation of ownership and/or designated representative for any corporation.

Name of Owner: Raul Montenegro Company: Crown Castle

Street Address: _____ City, State & Zip: _____

E-Mail Address: _____ Phone Number: _____

APPLICANT INFORMATION

☐ Same as Owner of Record

All correspondence and invoices will be sent to the applicant. If applicant is different than owner, "Authorized Representative Consent" section must be completed.

Name of Applicant: David Caburnay Company: Scout Services

Relation To Project: _____

Street Address: _____ City, State & Zip: _____

E-Mail Address: _____ Phone Number: _____



Village of Tinley Park
Community Development Dept.
16250 S. Oak Park Ave.
Tinley Park, IL 60477
708-444-5100

VILLAGE OF TINLEY PARK, ILLINOIS PLANNING AND ZONING GENERAL APPLICATION

Authorized Representative Consent

It is required that the property owner or his designated representative be present at all requests made to the Plan Commission and Zoning Board of Appeals. During the course of a meeting, questions may arise regarding the overall project, the property, property improvements, special conditions attached to recommendations among other aspects of any formal request. The representative present must have knowledge of the property and all aspects of the project. They must have the authority to make commitments related to the project and property. Failure to have the property owner or designated representative present at the public meeting can lead to substantial delays to the project approval. If the owner cannot be present or does not wish to speak at the public meeting, the following statement must be signed by the owner for an authorized representative.

I hereby authorize David Caburnay (print clearly) to act on my behalf and advise that they have full authority to act as my/our representative in regards to the subject property and project, including modifying any project or request. I agree to be bound by all terms and agreements made by the designated representative.

Property Owner Signature:

4/21/2026 | 12:48:28 PM EDT

Property Owner Name (Print):

Raul Montenegro, Real Estate Specialist for Crown Castle, Crown Castle Owned Equipment

Acknowledgements

- Applicant acknowledges, understands and agrees that under Illinois law, the Village President (Mayor), Village Trustees, Village Manager, Corporation Counsel and/or any employee or agent of the Village or any Planning and Zoning Commission member or Chair, does not have the authority to bind or obligate the Village in any way and therefore cannot bind or obligate the Village. Further, Applicant acknowledges, understands and agrees that only formal action (including, but not limited to, motions, resolutions, and ordinances) by the Board of Trustees, properly voting in an open meeting, can obligate the Village or confer any rights or entitlement on the applicant, legal, equitable, or otherwise.
- Members of the Plan Commission, Zoning Board of Appeals, Village Board as well as Village Staff may conduct inspections of subject site(s) as part of the pre-hearing and fact finding review of requests. These individuals are given permission to inspect the property in regards to the request being made.
- Required public notice signs will be obtained and installed by the Petitioner on their property for a minimum of 10 days prior to the public hearing. These may be provided by the Village or may need to be produced by the petitioner.
- The request is accompanied by all addendums and required additional information and all applicable fees are paid before scheduling any public meetings or hearings.
- Applicant verifies that all outstanding fees and monies owed to the Village of Tinley Park have been paid.
- Any applicable recapture, impact, engineering, contracted review or other required fees and donations shall be paid prior to issuance of any building permits, occupancy permits, or business licenses.
- The Owner and Applicant by signing this application certify that the above information and all supporting addendums and documentation is true and correct to the best of their knowledge.

Property Owner Signature:

Property Owner Name (Print):

Raul Montenegro, Real Estate Specialist for Crown Castle, Crown Castle Owned Equipment

Applicant Signature:

(If other than Owner)

Applicant's Name (Print):

DAVID CABURNAY

Date:

4-22-26

VILLAGE OF TINLEY PARK, ILLINOIS SITE PLAN ADDENDUM

APPLICATION & SUBMITTAL REQUIREMENTS

A complete application consists of the following items submitted in a comprehensive package. If materials are submitted separately or are incomplete they may not be accepted and may delay the review or meeting dates until a complete application package is received. The following information is being provided in order to assist applicants with the process of requesting **Site Plan** approval. This information is a summary of the application submittal requirements and may be modified based upon the particular nature and scope of the specific request.

Depending upon meeting schedules, legal notification requirements, and the specific type and scope of the request, this process generally takes between 45 to 60 days from the date of submission of a complete application package. Please schedule a pre-application meeting with Planning Department staff to review the feasibility of the proposal, discuss applicable Ordinance requirements, discuss submittal requirements, and receive some preliminary feedback.

☒ General Application form is complete and is signed by the property owner(s) and applicant (if applicable).

☐ Ownership documentation is submitted indicating proper ownership through a title report or title policy. If a corporation or partnership, documentation of the authorized agent must be supplied. All beneficiaries of a property must be disclosed.

☐ A written project narrative detailing the general nature and specific aspects of the proposal being requested. Details on existing conditions, any parking requirements, property changes, landscaping, building design, proposed uses/tenants, public improvements or any other site design details should be described. Any additional requests such as a Special Use or Variation should be indicated in the narrative as well.

☐ A Plat of Survey of the property that is prepared by a registered land surveyor and has all up-to-date structures and property improvements indicated.

☐ Plans and Surveys including all details listed on the Site Plan checklist (next page).

☐ Submit all applications, plans and documents stated above electronically via email/USB drive/ShareFile upload to Community Development Staff (Note: Village email attachment size is limited to 10MB. Please utilize ShareFile if your submission exceeds 10MB). Staff may also request up to three (3) paper copy of full-size Arch D (24" x 36") plans.

☒ Site Plan Fee: Site Plan Review (Non-Residential & Multi-Family) - \$500 New/First Approval, \$300 Amendment

☐ Engineering Review Fees: Administrative Fee - \$250 (0-5 acres), \$50 (5.01-40 acres), \$2,000 + \$20/acre over 40 acres. (40.01+ acres) and Concept/Preliminary Review Fee - \$300 (0-2 acres), \$600 (2.01-4 acres), \$900 (4.01-9 acres), \$1,500 (9.01 acres+)

Required Plan Submittal Items	Applicant Submitted	Village Received
1. Site Plan Approval Application	☐ X	☐
2. Complete list and contact information for all project staff and design professionals (Architect, Engineer, Landscape Architect, etc.)	X ☐	☐
3. Plat of Survey, including: a. Existing conditions and dimensions; b. Legal Description; c. Surveyor information; and d. Date of completion.	☐	☐
4. Site Plan, including: a. Fully-dimensioned property boundaries; b. All building elements and physical improvements; c. Setbacks from all property lines; d. Identification as to whether all elements are "Existing" or "Proposed"; e. Dimensioned parking spaces and drive aisles per Section VIII of the Zoning Ordinance; f. Dimensioned sidewalks (within rights-of-way and interior to the site); g. Trash enclosure location and screening/gate materials; h. Loading spaces as required by Section VIII of the Zoning Ordinance; i. Fire hydrant locations as required by the Village Fire Prevention Bureau; j. Lighting standard locations; and k. Ground signs with setbacks noted.	X ☐	☐
5. Zoning Analysis Table a. Showing existing, proposed, and required zoning conditions for all Lot and Bulk Regulations of the Zoning Ordinance, including but not limited to: i. Land area in acres and square feet (exclusive of rights-of-way); ii. Building area in square feet (including a breakdown by use for parking calculation); iii. Setbacks; iv. Floor Area Ratio (FAR); v. Lot coverage; vi. Height of all buildings and structures (see definition of height in Zoning Ordinance); vii. Percentage of greenspace; and viii. Parking spaces (with calculations).	X ☐	☐
6. Landscape Plan, including: a. Bufferyards (please include a table indicating required and proposed plant units); b. Parking lot landscape islands; c. Screening/fencing locations; d. Berms (if proposed); e. Plant lists, including: i. Latin and common names ii. Number of each planting material to be provided iii. Size at planting	☐	☐
7. Photometric Plan, including: a. Location of light fixtures; b. A cut sheet of light fixtures with indication of cut-offs or shielding; and c. Indicating lighting levels in foot-candles at the following locations: i. Interior of the subject property; ii. At the property lines (contact staff about maximum light levels); and iii. Ten (10) feet beyond the property lines.	☐	☐

8. Floor Plans , including: a. Preliminary floor plan layout of all buildings; b. Labels for the type of use of the area; and c. Labels for square footage of the area and types of uses.	☐ X	☐
9. Preliminary Engineering Plans , including but not limited to: a. Drainage and water flow patterns or routes; b. On-site detention; c. Existing and proposed roadway configurations (adjacent public streets and interior roadways/driveways); d. Utility connections and locations; e. Future roadway or access connections (if necessary); and f. Cross access easement(s).	☐	☐
10. Signage Plans , including: a. Dimensioned color elevations of ground, wall and directional signage b. A diagram showing the location of the proposed signage with setbacks from property lines and internal drive aisles or parking lots; and c. Include description of sign materials and method of illumination.	☐	☐
11. Elevations and Renderings a. Building elevations showing all four sides of all buildings. i. Elevations should be fully-dimensioned including height, width, and depth of all major building elements and components, and identify all building materials; and b. Color renderings or 3D model of site. c. Elevation of trash enclosure area with building materials identified (if applicable).	☐ X	☐
12. Building Material Samples <i>(may be submitted after initial Staff Review, but prior to placement on a Plan Commission agenda)</i> a. Samples of proposed materials including, but not limited to: i. Wall materials such as bricks, stone, and siding; ii. Roofing; iii. Light fixtures; and iv. Windows, moldings, shutters, and awnings. b. Provide final information on all building materials with vendor, color, and sizes, where relevant, in a table format.	☐	☐
13. Preliminary Plat(s) <i>(if applicable)</i>	☐	☐

The above information is intended as an outline of the Submission Requirements for Site Plan Approval and is neither mutually exclusive nor inclusive. The Village's Zoning Ordinance, Landscape Ordinance, Building Codes, and Subdivision Regulations can be found online at the Village website at <http://www.tinleypark.org>. Questions about Site Plan Approval and other Planning processes may be directed to the Planning Department at:

Village of Tinley Park
Planning Department
16250 S. Oak Park Avenue
Tinley Park, IL 60477
Phone: (708) 444-5100
Email: planning@tinleypark.org



SITE NAME:
ILL04385
SITE ID: ILL04385
FA NUMBER: 15814376 USID: 329917
IWM JOB NUMBER: WSCHI0050716
18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
COOK COUNTY



SITE INFORMATION

PARCEL OWNER: TINLEY PARK
ADDRESS: -
PARCEL ID: 31-05-100-015-0000
ZONING CLASSIFICATION: R-1
POWER COMPANY: COMMONWEALTH EDISON CO.
CONTACT: [REDACTED]
TELEPHONE COMPANY: AT&T
CONTACT: [REDACTED]

PROJECT SUMMARY

TOWER OWNER: CROWN CASTLE
ADDRESS: 200 CORPORATE DRIVE
CANONSBURG, PA 15317
CONTACT: KIMBERLY HERRICK
PHONE: [REDACTED]
SITE ADDRESS: 18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
CUSTOMER/APPLICANT: AT&T WIRELESS
95 W. ALGONQUIN ROAD
ARLINGTON HEIGHTS, IL 60005

NAD83
LATITUDE: 41° 33' 29.70" N (41.558250°)
LONGITUDE: 87° 46' 16.90" W (-87.771361°)
JURISDICTION: COOK COUNTY
COUNTY: COOK
GROUND ELEVATION: 698± AMSL
OCCUPANCY TYPE: UNMANNED
A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT
FOR HUMAN HABITATION
CONSTRUCTION TYPE: IIB
GROUP: U

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE (IL)	CODE
BUILDING/DWELLING	IBC 2021 AS ADOPTED
STRUCTURAL	IBC 2021 AS ADOPTED
MECHANICAL	IBC 2021 AS ADOPTED
ELECTRICAL	NEC 2023 AS ADOPTED

CONTACT INFO.

A&E FIRM: AMENTUM
DIGITAL INFRASTRUCTURE, INC.
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104
AT&T
CONSTRUCTION MANAGER:
95 W ALGONQUIN,
ARLINGTON HEIGHTS, IL

CONTACT: MICHAEL STREET
PHONE: [REDACTED]
CONTACT: GWYN NOBLE
PHONE: [REDACTED]

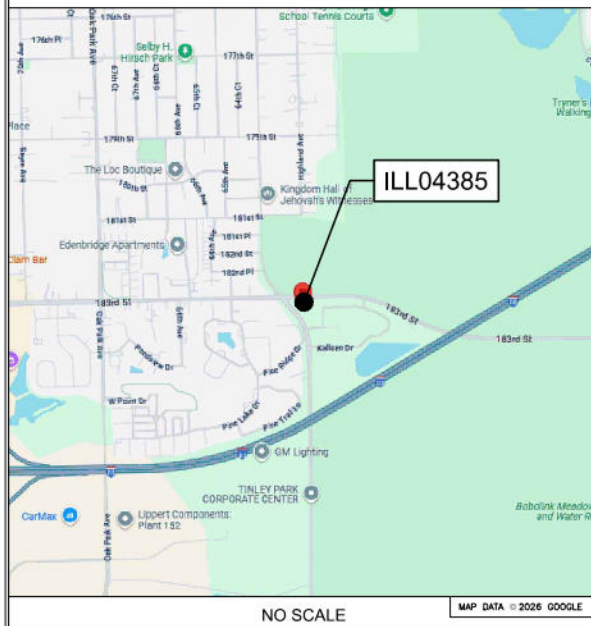
EXISTING 110'-8" MONOPOLE

ERICSSON NETWORK MODERNIZATION

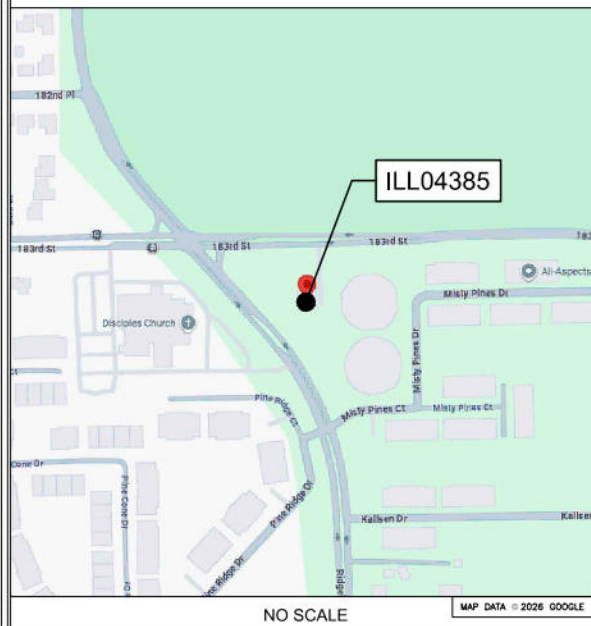
SCAN FOR
DRIVING
DIRECTIONS



AREA MAP



LOCATION MAP



PROJECT DESCRIPTION

- INSTALL
- INSTALL (1) NEW RAYCAP 38 EQUIPMENT CABINET
 - INSTALL (1) 30KW GENERATOR
 - INSTALL (1) NEW DC50
 - INSTALL (1) NEW OMNI-ON -58V POWER PLANT
 - INSTALL (6) NEW RECTIFIERS
 - INSTALL (6) NEW -58V CONVERTERS
 - INSTALL (2) NEW 190AH BATTERIES
 - INSTALL ALL PROPOSED ERICSSON BBUS
 - INSTALL PROPOSED MASONRY WALL
 - INSTALL PROPOSED LANDSCAPE BUFFER
 - INSTALL (3) NEW SECTOR MOUNTS
 - INSTALL (1) NEW COLLAR RING MOUNT
 - INSTALL (3) NEW AIR 6472 B77G B77M ANTENNAS
 - INSTALL (9) NEW 10' ANTENNA MAST PIPE
 - INSTALL (6) NEW NNH4-65B-R6H4 ANTENNAS
 - INSTALL (6) NEW RRH BACK TO BACK BRACKETS
 - INSTALL (6) NEW 10' RRHS MAST
 - INSTALL (3) NEW 4494 B14/B29 RRHS
 - INSTALL (3) NEW 4490 B5/B12 RRHS
 - INSTALL (3) NEW 4890 B25/B66 RRHS
 - INSTALL (2) NEW DC9
 - INSTALL (4) NEW 606 DC TRUNKS
 - INSTALL (2) NEW 24 PAIR FIBER

DRAWING INDEX

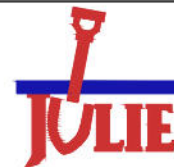
SHEET #	SHEET DESCRIPTION	REV. #
T-1	TITLE SHEET	10
T-2	GENERAL NOTES	10
T-3	SIGNAGE	10
C-1	SITE EXHIBIT	10
C-1.1	DEMOLITION PLAN	10
C-1.2	GRADING NOTES AND SYMBOLS	10
C-1.3	GRADING PLAN	10
C-2	SITE PLAN	10
C-3	EQUIPMENT LAYOUT	10
C-4	TOWER ELEVATION PLAN	10
C-4.1	ANTENNA AZIMUTH PLAN	10
C-5 TO C-8	EQUIPMENT DETAILS	10
L-1	LANDSCAPE PLAN	10
S-1	WALL DETAILS	10
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G-1	GROUNDING PLAN	10
G-2 TO G-4	GROUNDING DETAILS & NOTES	10
RF-1	ANTENNA INFORMATION CHART	10

A/E DOCUMENT REVIEW STATUS

TITLE	SIGNATURE	DATE
AT&T CONSTRUCTION MGR:		
AMENTUM PM:		
RF ENGINEER:		
ZONING APPROVAL:		
SITE ACQUISITION:		
PROPERTY OWNER:		
STATUS CODE:		
1	ACCEPTED: WITH OR NO COMMENTS, CONSTRUCTION MAY PROCEED	
2	NOT ACCEPTED: RESOLVE COMMENTS AND RESUBMIT	
ACCEPTANCE DOES NOT CONSTITUTE APPROVAL OF DESIGN, CALCULATIONS, ANALYSIS, TEST METHODS OF MATERIALS DEVELOPED OR SELECTED BY THE SUBCONTRACTOR AND DOES NOT RELIEVE SUBCONTRACTOR FROM FULL COMPLIANCE WITH CONTRACTUAL OBLIGATIONS.		



NEW JULIE, INC. CALL
(800) 892-0123
CALL J.U.L.I.E. 48 HOURS
BEFORE YOU DIG



USID: 329917
FA: 15814376
ILL04385
18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
CHECKED BY: W.W.

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
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7	03/10/26	AJM	FOR REVIEW
8	03/23/26	AJM	FOR CONSTRUCTION
9	03/24/26	AJM	UPDATED REBAR
10	04/08/26	AJM	LANDSCAPE UPDATE



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SHEET NUMBER: **T-1**
REVISION: **10**

GENERAL NOTES:

1. ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC. AUTHORITIES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
4. THE CONTRACTOR SHALL NOTIFY THE AT&T CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
6. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
8. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES AND NOTIFY UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION PRIOR TO EXCAVATION AT SITE.
9. ANY UNDERGROUND UTILITIES OR STRUCTURES THAT EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
10. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
11. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
12. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
13. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.
14. THERE ARE NO COMMERCIAL SIGNS PROPOSED FOR THIS INSTALLATION.
15. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND, FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
16. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
MAXIMUM SOIL LIFTS:
JUMPING JACK - 3"
CROWS FOOT TRENCH ROLLER - 6"
HOE OPERATED VIBRATORY PLATE - 8"
WHEELED VIBRATORY SOIL COMPACTOR - 12"
*LIFT HEIGHTS MAY NEED TO BE ADJUSTED DEPENDING ON SOIL TYPES AND MOISTURE CONTENT.
17. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY UTILITY OWNER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES.
18. THE AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITY SHALL BE GRADED AND RESTORED PER CODE/LANDLORD REQUIREMENTS (REFER TO GRADING PLAN, IF REQUIRED)
19. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE MUNICIPALITY.
20. UTILITY WARNING TAPE SHALL BE PLACED ABOVE ALL NEW CONDUITS AT MAX. 18" DEPTH BELOW GRADE.

21. AT&T CONTRACTOR RESPONSIBILITIES:
21.a. ALL WORK IN THE AT&T LEASED AREA EXCEPT POWER AND TELCO CONDUIT FROM MULTI-GANG METER RACK AND TELCO DEMARC WHICH SHALL BE INSTALLED BY BUILD-TO-SUIT VENDOR.
21.b. INSTALLATION OF WAVEGUIDE SUPPORT FROM AT&T LEASED AREA TO TOWER BASE.
21.c. POWER AND FIBER LINES FROM AT&T GROUND EQUIPMENT TO ANTENNA MOUNT LOCATION ON TOWER.
21.d. AT&T ANTENNAS, RRUS AND APPURTENANT AT&T EQUIPMENT ON ANTENNA MOUNTING PLATFORM AT RAD CENTER IN ACCORDANCE WITH AT&T RFDS.
22. EXISTING FEATURES SHOWN ARE BASED ON FIELD SITE AUDIT BY AMENTUM DIGITAL INFRASTRUCTURE, INC. AND IS LIMITED TO FEATURES OF INTEREST.
23. THIS PLAN IS NOT A BOUNDARY SURVEY. PROPERTY BOUNDARY INFORMATION SHOWN IS FOR REFERENCE ONLY. AMENTUM DIGITAL INFRASTRUCTURE, INC. DID NOT VERIFY BOUNDARY AS PART OF THIS SITE AUDIT.
24. VERTICAL DATUM IS NAVD88 BASED ON GPS OBSERVATIONS REFERENCED TO THE NGS CORS NETWORK.
25. HORIZONTAL DATUM IS NAD 83, STATE PLANE COORDINATES OF STATE AND ESTABLISHED GPS OBSERVATIONS REFERENCED TO THE NGS CORS NETWORK.
26. NO WETLANDS INVESTIGATION WAS PERFORMED AS PART OF THIS SITE AUDIT.
27. UTILITIES SHOWN PER FIELD LOCATIONS FROM ABOVE GROUND INSPECTION OF THE SITE AND UTILITY MARK-OUTS IN THE FIELD. UTILITIES THAT EXIST MAY NOT BE SHOWN.
28. THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BIDDING.
29. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM PROPOSED SHELTER/EQUIPMENT AT A MINIMUM OF 0.1% TO A MAXIMUM OF 1% GRADE (UNLESS NOTED OTHERWISE). GRADE AWAY FROM FENCED COMPOUND AT A MINIMUM 1.5% AND MAXIMUM 5% GRADE.
30. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION AND DIGGING WITHIN THE FENCED COMPOUND BY HAND. MECHANICAL EXCAVATION AND DIGGING IS PROHIBITED WITHIN FENCED COMPOUND.
31. THE CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UNDERGROUND CONDUITS AND GROUND PRIOR TO CONSTRUCTION.



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ILL04385

18301 RIDGELAND AVENUE
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EXISTING MONOPOLE

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SHEET NUMBER: T-2

REVISION: 10



FENCED COMPOUND SIGNAGE

1

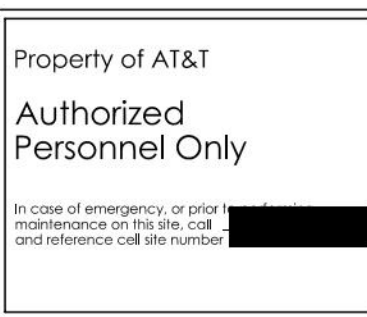


FENCED COMPOUND

2

GATE SIGNAGE

3



DOOR/EQUIP. SIGN

5

SHELTER/CAB. DOORS

6



NFPA HAZARD SIGN

7

10. RF SAFETY SIGNS AT LCL MACRO CELLS

RF SAFETY SIGNS AND BARRIERS ARE THE PRINCIPAL MEANS OF RESTRICTING ACCESS TO AREAS IN WHICH EXPOSURE LEVELS EXCEED, OR POTENTIALLY EXCEED, THE APPLICABLE MPE LIMITS. RF SAFETY SIGNS USE VERBIAGE, SYMBOLS, AND COLORS TO MAKE PERSONS AWARE OF THE PRESENCE OF AREAS WHERE EXPOSURES EXCEEDING THE MPE LIMITS EXIST AND PROVIDE THEM WITH GUIDANCE FOR REMAINING SAFE FROM EXPOSURES THAT EXCEED OR POTENTIALLY EXCEED THE APPLICABLE MPE LIMITS.

THIS SECTION DESCRIBES, IN GENERAL, THE TYPES OF RF SAFETY SIGNS USED BY AT&T, WHEN RF SAFETY SIGNS SHOULD BE DEPLOYED, AND HOW RF SAFETY SIGNS ARE TO BE DEPLOYED. FOR SOME DEPLOYMENTS, SUCH AS CRAN SMALL CELLS AND HETNET CELLS, DETAILED INSTRUCTIONS ARE PROVIDED IN EARLIER SECTIONS (ERROR! REFERENCE SOURCE NOT FOUND., 9). MANY OTHER DEPLOYMENT TYPES EXIST AMONG AT&T'S POPULATION OF MACRO CELL SITES AND NOT ALL POSSIBLE SCENARIOS CAN BE ANTICIPATED; WHEN UNCERTAINTIES IN THE APPLICATION OF THE BASIC GUIDELINES ARISE, BRING THEM TO THE ATTENTION OF HQ RAN.

10.1 RF SAFETY SIGNS - GENERAL

AT&T'S RF SAFETY SIGNS EXIST IN A VARIETY OF FORMATS, BUT ALL CONTAIN THE ESSENTIAL INFORMATION PRESCRIBED BY THE FCC:

- APPROPRIATE SIGNAL WORD AND ASSOCIATED COLOR (I.E., "DANGER" (RED), "WARNING" (ORANGE), "CAUTION" (YELLOW), AND "NOTICE" (BLUE)) IN ACCORDANCE WITH IEEE STD C95.2-2018, "IEEE STANDARD FOR RADIO-FREQUENCY ENERGY AND CURRENT-FLOW SYMBOLS," COPYRIGHT 2018 BY THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC., NEW YORK, NEW YORK 10016-5997;

- THE RF ENERGY ADVISORY SYMBOL.
- AN EXPLANATION OF THE RF SOURCE.
- BEHAVIOR NECESSARY TO COMPLY WITH THE EXPOSURE LIMITS.
- CONTACT INFORMATION.

RF SAFETY SIGNS MUST BE POSTED AT APPROPRIATE AND CONSPICUOUS LOCATIONS WHERE THE SIGNS WILL BE READILY VISIBLE TO PERSONS APPROACHING AREAS WHERE THE EXPOSURE LEVELS EXCEED THE APPLICABLE MPE LIMITS AND MAKE THOSE PERSONS AWARE OF THE POTENTIAL RISKS PRIOR TO ENTERING THOSE AREAS. FOR EACH SITE, PLACEMENT OF SIGNAGE AND BARRIERS DEPENDS ON THE RESULTS OF THE EXPOSURE SURVEY PERFORMED AND THE COMPLIANCE PLAN DEVELOPED FROM THAT SURVEY. AT&T USES THREE TYPES OF RF SAFETY SIGNS:

- ALERTING SIGNS.
- ROOFTOP EXPOSURE MAPS.
- COMBINATION ALERTING AND INFORMATION SIGNS

AUTHORIZED EARLIER VERSIONS OF RF SAFETY SIGNS, OR EQUIVALENT SIGNS USED ON ACQUIRED SITES, MAY REMAIN POSTED UNTIL THEY BECOME FADED, ILLEGIBLE, MISSING, DAMAGED, OR INSTRUCTIONS ARE GIVEN TO REPLACE THEM. REPLACEMENT SIGNS MUST BE SELECTED FROM AMONG THE SIGNS DESCRIBED IN THIS SECTION; HQ MAY APPROVE LIMITED EXCEPTIONS. FIND MACRO SITES SIGNAGES, AT RF SAFETY COMPLIANCE SHAREPOINT. THIS POLICY INCLUDES A REVISED COLLECTION OF RF SAFETY SIGNS DESIGNED TO MEET THE NEEDS OF NEW TYPES OF DEPLOYMENTS SUCH AS SMALL CELLS AND HETNET CELLS.

WHEN BARRIERS ARE USED, RF SAFETY SIGNS MUST BE POSTED ON OR NEAR THE BARRIERS SUCH THAT WARNING OF THE RISK OF EXPOSURE IS CLEARLY VISIBLE FROM ANY DIRECTION OF APPROACH TO THE AFFECTED AREA. ANY OBSTACLES TO IMPLEMENTATION OF THIS POLICY ARE TO BE BROUGHT TO THE ATTENTION OF THE M-RFSE.

10.2 ALERTING SIGNS-GENERAL

AT&T USES THREE TYPES OF RF SAFETY ALERTING SIGNS, NOTICE, CAUTION, AND WARNING, ASSOCIATED WITH EXPOSURE RISKS RELATIVE TO THE GP MPE LIMITS, THE OCCUPATIONAL MPE LIMITS, AND 10 TIMES THE OCCUPATIONAL MPE LIMITS, RESPECTIVELY. ALERTING SIGNS ANNOUNCE THE EXISTENCE OF POTENTIAL RF EXPOSURE HAZARDS WITHIN THE AREAS THEY DEMARCATE AND PROVIDE INFORMATION PERTINENT TO THE RF SAFETY OF PERSONS INTENDING TO ENTER THE DEMARCATED AREAS.

IN THE FOLLOWING PARAGRAPHS, THE PHRASE "FOR WHICH AT&T IS RESPONSIBLE" IS USED TO DISTINGUISH AREAS OF EXPOSURE FOR WHICH AT&T HOLDS SOLE RESPONSIBILITY OR SHARES

GENERAL NOTES

4



NOTE:

1. CONTRACTOR SHALL INSTALL ALL INFORMATION SIGNAGE IN ACCORDANCE w/ AT&T WIRELESS DOCUMENT ND-00059, RF EXPOSURE POLICY RESPONSIBILITIES, PROCEDURES & GUIDELINES, LATEST EDITION.
2. ONLY POLYETHYLENE SHALL BE USED. ONLY USE PLASTIC TIES TO SECURE SIGNS, NO METAL STRAPS, ETC.
3. ACP INTERNATIONAL IS THE ONLY APPROVED VENDOR FOR AT&T SIGNAGE.
4. CONTRACTOR SHALL CONTACT AT&T R-RFSC FOR INFORMATION ON MPE LEVELS AND INSTRUCTIONS ON LEVEL AND LOCATION OF SIGNAGE.

NOTICE, CAUTION, AND WARNING SIGNS

8

RESPONSIBILITY WITH CO-LOCATORS FROM THOSE FOR WHICH OTHER OPERATORS HOLD SOLE RESPONSIBILITY.

- AT&T IS SOLELY RESPONSIBLE FOR COMPLIANCE IN AREAS WHERE ITS EXPOSURE LEVELS EXCEED THE APPLICABLE MPE LIMITS, AND NO OTHER LICENSEES CONTRIBUTE MORE THAN 5% OF THEIR APPLICABLE MPE LIMITS IN THOSE AREAS.
- AT&T SHARES RESPONSIBILITY FOR COMPLIANCE IN AREAS WHERE THE COMPOSITE MPE LIMITS ARE EXCEEDED AND BOTH AT&T'S AND ONE OR MORE OTHER LICENSEES' CONTRIBUTIONS TO THE AREA EXCEED 5% OF THEIR RESPECTIVE APPLICABLE MPE LIMITS.

10.2.1 NOTICE SIGNS

10.2.1.1 GENERAL

NOTICE SIGNS ALERT PERSONS OF AN AREA WHERE RF EXPOSURE LEVELS FOR WHICH AT&T IS RESPONSIBLE MAY EXCEED THE GENERAL POPULATION/UNCONTROLLED MPE LIMITS.

NOTICE SIGNS ARE NOT TO BE AUTOMATICALLY POSTED AT THE ENTRANCES TO SITES, INCLUDING, FOR INSTANCE, THE ENTRANCES TO ROOFTOP SITES, UNLESS EXPOSURE LEVELS THAT MAY EXCEED THE GENERAL POPULATION/UNCONTROLLED MPE LIMITS EXIST IN THE AREAS IMMEDIATELY BEYOND THE ENTRANCES.

NOTICE SIGNS MUST BE POSTED IN CONJUNCTION WITH ANY MITIGATION (E.G., BARRIERS, STRIPING) AROUND THE PERIPHERY OF AREAS WHERE RF EXPOSURE SURVEYS INDICATE THAT EXPOSURE LEVELS MAY EXCEED THE GENERAL POPULATION/UNCONTROLLED MPE LIMITS. THE POSITIONING OF THE SIGNS MUST BE SUCH THAT ANYONE APPROACHING THE AREAS FROM ANY DIRECTION WILL HAVE SUFFICIENT WARNING AND INFORMATION TO AVOID THE AREAS. WHERE POSSIBLE, THE SIGNS SHOULD BE POSTED ON ASSOCIATED BARRIERS.

10.2.2 CAUTION SIGNS

10.2.2.1 GENERAL

CAUTION SIGNS ALERT PERSONS OF AN AREA WHERE RF EXPOSURE LEVELS FOR WHICH AT&T IS RESPONSIBLE MAY EXCEED THE OCCUPATIONAL/CONTROLLED MPE LIMITS.

CAUTION SIGNS ARE NOT TO BE AUTOMATICALLY POSTED AT THE ENTRANCES TO SITES, INCLUDING, FOR INSTANCE, THE ENTRANCES TO ROOFTOP SITES, UNLESS EXPOSURE LEVELS THAT MAY EXCEED THE MPE LIMITS FOR THE OCCUPATIONAL/CONTROLLED CATEGORY EXIST IN THE AREAS IMMEDIATELY BEYOND THE ENTRANCES.

CAUTION SIGNS MUST BE POSTED IN CONJUNCTION WITH ANY REQUIRED MITIGATION (E.G., BARRIERS, STRIPING) AROUND THE PERIPHERY OF AREAS WHERE RF EXPOSURE SURVEYS INDICATE THAT EXPOSURE LEVELS MAY EXCEED THE OCCUPATIONAL/UNCONTROLLED MPE LIMITS. THE POSITIONING OF THE SIGNS MUST BE SUCH THAT ANYONE APPROACHING THE AREAS FROM ANY DIRECTION WILL HAVE SUFFICIENT ADVANCE WARNING REGARDING THE RF EXPOSURE LEVELS. WHERE POSSIBLE, THE SIGNS SHOULD BE POSTED ON THE ASSOCIATED BARRIERS.

10.2.3 WARNING SIGNS

10.2.3.1 GENERAL

- WARNING SIGNS ALERT PERSONS OF AN AREA WHERE THE RF EXPOSURE MAY EXCEED THE OCCUPATIONAL/CONTROLLED MPE LIMITS BY A FACTOR OF 10 OR GREATER.
- WARNING SIGNS ARE NOT TO BE AUTOMATICALLY POSTED AT THE ENTRANCES TO SITES, INCLUDING, FOR INSTANCE, ENTRANCES TO ROOFTOP SITES, UNLESS EXPOSURE LEVELS THAT MAY EXCEED THE OCCUPATIONAL/CONTROLLED MPE LIMITS BY A FACTOR OF 10 EXIST IN THE AREAS IMMEDIATELY BEYOND THE ENTRANCES.
- WARNING SIGNS MUST BE POSTED IN CONJUNCTION WITH ANY MITIGATION (E.G., BARRIERS, STRIPING) AROUND THE PERIPHERY OF AREAS WHERE RF EXPOSURE SURVEYS INDICATE THAT EXPOSURE LEVELS MAY EXCEED THE OCCUPATIONAL/CONTROLLED MPE LIMITS BY A FACTOR OF 10. THE POSITIONING OF THE SIGNS MUST BE SUCH THAT ANYONE APPROACHING THE AREAS FROM ANY DIRECTION WILL HAVE SUFFICIENT ADVANCE WARNING REGARDING THE HAZARDOUS RF EXPOSURE LEVELS. WHERE POSSIBLE, THE SIGNS SHOULD BE POSTED ON THE ASSOCIATED BARRIERS.



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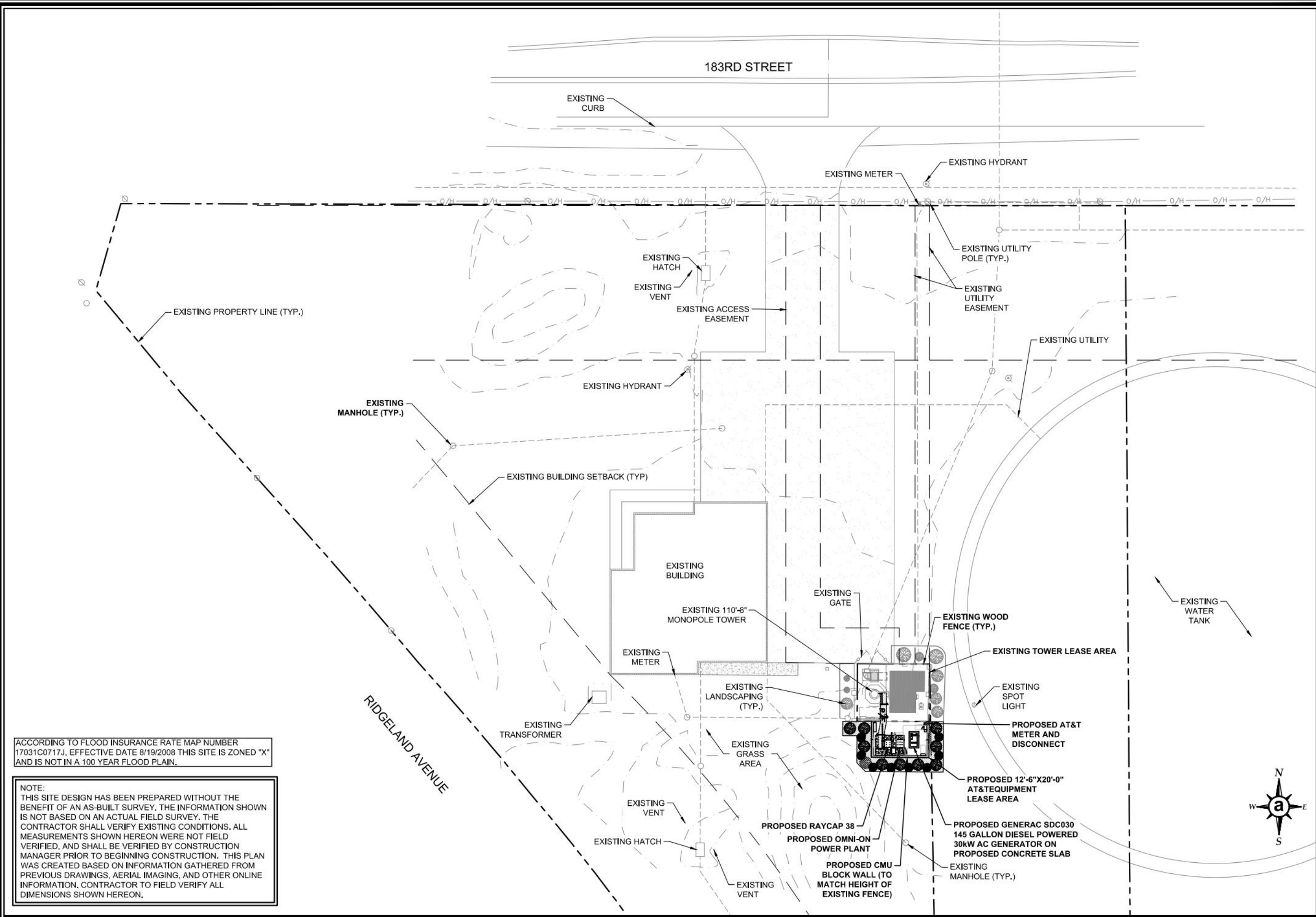
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SHEET NUMBER: T-3
REVISION: 10



ACCORDING TO FLOOD INSURANCE RATE MAP NUMBER 17031C0717J, EFFECTIVE DATE 8/19/2008 THIS SITE IS ZONED "X" AND IS NOT IN A 100 YEAR FLOOD PLAIN.

NOTE:
THIS SITE DESIGN HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN AS-BUILT SURVEY. THE INFORMATION SHOWN IS NOT BASED ON AN ACTUAL FIELD SURVEY. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. ALL MEASUREMENTS SHOWN HEREON WERE NOT FIELD VERIFIED, AND SHALL BE VERIFIED BY CONSTRUCTION MANAGER PRIOR TO BEGINNING CONSTRUCTION. THIS PLAN WAS CREATED BASED ON INFORMATION GATHERED FROM PREVIOUS DRAWINGS, AERIAL IMAGING, AND OTHER ONLINE INFORMATION. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS SHOWN HEREON.

amentum
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104



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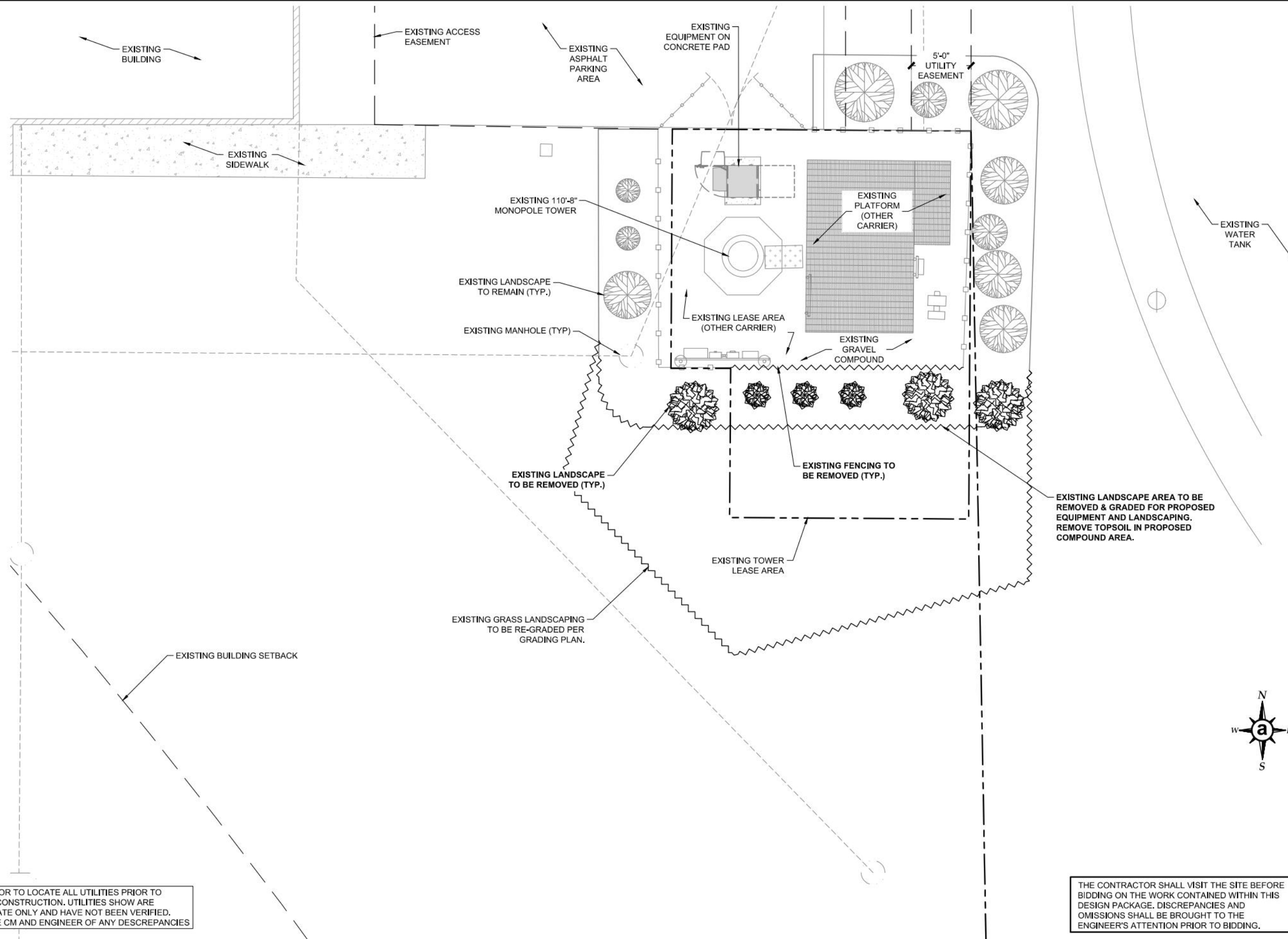
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SHEET NUMBER: **C-1** REVISION: **10**




amentum
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104



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SHEET NUMBER: **C-1.1** REVISION: **10**

GRADING NOTES:

1. THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE OF T-MOBILE, AND EXCLUSIVELY FOR THE TRANSFERAL OF THE LEASEHOLD AND THE RIGHT OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE TRANSFERAL OF THE SUBJECT PROPERTY NOR ANY PORTION OR PORTIONS THEREOF.
2. THE CONTOURS SHOWN ON THIS PLAT ARE BASED ON USGS DATUM AND HAVE A VERTICAL ACCURACY OF ±2'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.
3. THE UTILITIES SHOWN HEREIN ARE BASED UPON AN ABOVE-GROUND FIELD SURVEY. THE ACTUAL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ANY CONSTRUCTION BEGINS.
4. THERE ARE NO WETLANDS WITHIN THE PROPOSED LIMITS OF CONSTRUCTION FOR THIS PROJECT.
5. THE CONTRACTOR SHALL REMOVE ANY ROCK AND/OR UNSUITABLE MATERIAL TO A DEPTH OF TWO (2) FEET BELOW THE FINISHED GRADE OR AS DIRECTED BY THE SOILS ENGINEER OR THE DEVELOPER.

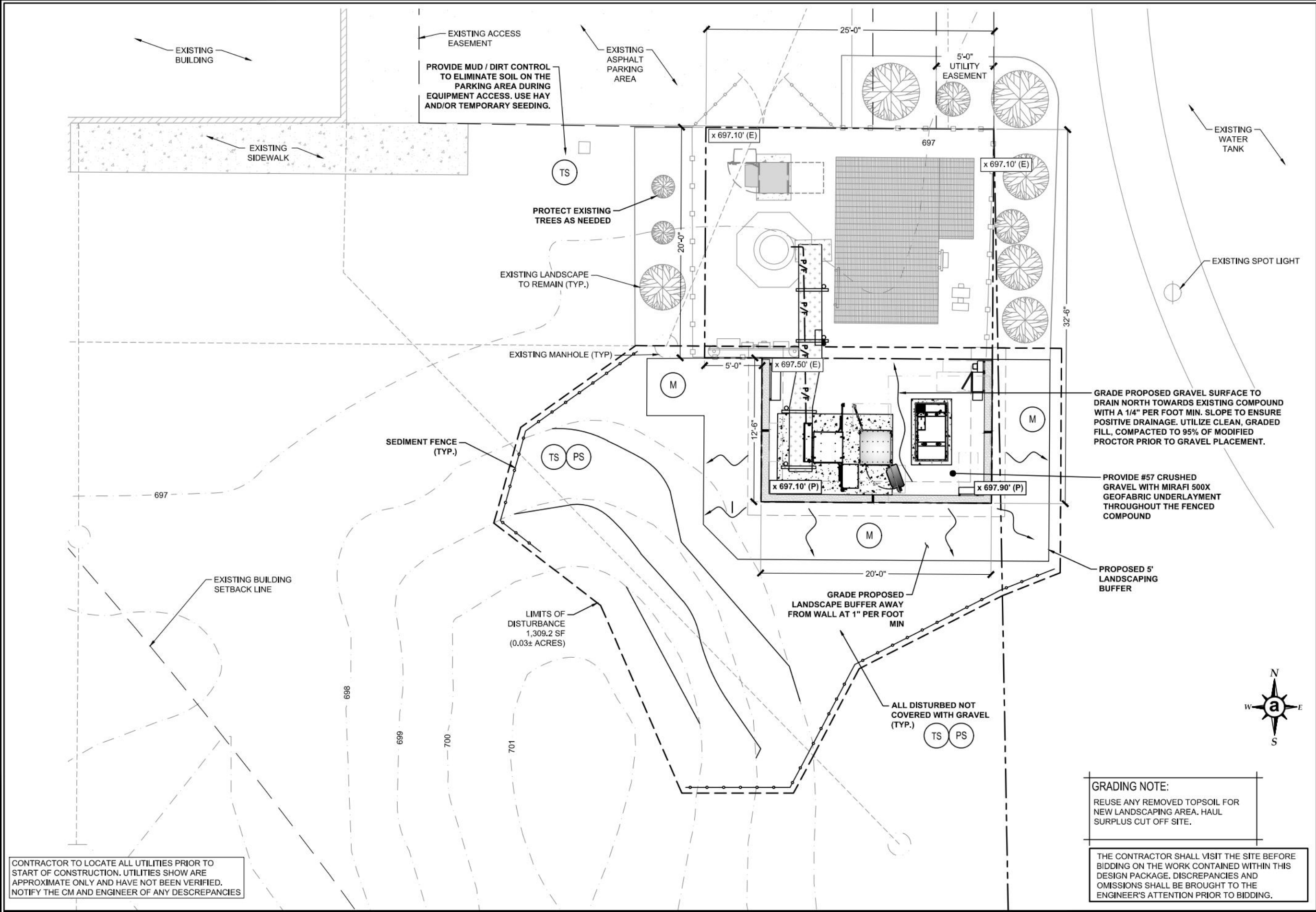
EROSION CONTROL NOTES:

1. PRIOR TO LAND-DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA EROSION CONTROL / SITE DEVELOPMENT INSPECTOR.
2. THE ESCAPE FO SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
3. EROSION CONTROL DEVICES SHALL BE INSTALLED, INSPECTED, AND FULLY OPERATIONAL PRIOR TO CLEARING AND SHALL BE MAINTAINED DAILY THROUGHOUT CONSTRUCTION AND UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
4. ALL EROSION CONTROL MEASURES SHALL CONFORM TO LOCAL, STATE AND COUNTY STANDARDS.
5. EROSION CONTROL MEASURES INDICATED ON THESE PLANS MEET THE MINIMUM REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY BE NECESSARY AS DETERMINED BY FIELD CONDITIONS OR BY THE INSPECTOR. CHANGES AND REINFORCEMENT MAY BE REQUIRED WHEN FAILURE OF THE EROSION CONTROL MEASURES PERSISTS.
6. CONTRACTOR SHALL PROVIDE DUST CONTROL AND SHALL PROTECT ADJACENT STREETS FROM ACCUMULATION OF SOIL.
7. CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND/OR SEDIMENT CAUSED BY CONSTRUCTION.
8. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES AT ALL TIMES. CONTRACTOR SHALL INSPECT AND REPAIR ALL EROSION CONTROL MEASURES AT THE END OF EACH DAY AND AFTER EACH RAIN EVENT.
9. CONTRACTOR SHALL CLEAN OUT ALL EROSION CONTROL MEASURES BEFORE THEY ARE TWO-THIRDS FULL OR AS SPECIFIED BY THE INSPECTOR OR ENGINEER.
10. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY DIRT OR MUD FROM THE TIRES OF ANY CONSTRUCTION VEHICLES PRIOR TO THEIR LEAVING THE SITE.

	SEDIMENT FENCE A TEMPORARY SEDIMENT CONTROL MEASURE CONSISTING OF FABRIC BURIED AT THE BOTTOM, STRETCHED, AND SUPPORTED BY POSTS.
	TEMPORARY SEEDING PLANTING RAPID-GROWING ANNUAL GRASSES, SMALL GRAINS, OR LEGUMES TO PROVIDE INITIAL, TEMPORARY COVER FOR EROSION CONTROL ON DISTURBED AREAS.
	PERMANENT SEEDING CONTROLLING RUNOFF AND EROSION ON DISTURBED AREAS BY ESTABLISHING PERENNIAL VEGETATIVE COVER WITH SEED.
	TREES, SHRUBS, VINES & GROUND COVERS STABILIZING DISTURBED AREAS BY ESTABLISHING A VEGETATIVE COVER OF TREES, SHRUBS, VINES, OR GROUND COVERS.
	MULCHING APPLICATION OF A PROTECTIVE BLANKET OF STRAW OR OTHER PLANT RESIDUE, GRAVEL, OR SYNTHETIC MATERIAL TO THE SOIL SURFACE.
	RIPRAP A LAYER OF STONE DESIGNED TO PROTECT AND STABILIZE AREAS SUBJECT TO EROSION.
	DUST CONTROL FOR AREAS NOT SUBJECT TO TRAFFIC, VEGETATION PROVIDES THE MOST PRACTICAL AND EFFECTIVE MEANS OF DUST CONTROL. FOR OTHER AREAS, CONTROL MEASURES INCLUDE MULCHING, SPRINKLING, SPRAYING ADHESIVE OR CALCIUM CHLORIDE, WIND BARRIERS, AND SURFACE ROUGHENING BY TILLAGE.
	TEMPORARY BLOCK AND GRAVEL INLET PROTECTION A SMALL, STURDY BARRIER TO TRAP SEDIMENT AT THE ENTRANCE TO A STORM DRAIN CAN BE FORMED FOR STANDARD CONCRETE BLOCK AND GRAVEL. PREVENTING SEDIMENT FROM ENTERING THE DRAIN ALLOWS IT TO BE USED FOR STORMWATER DISPOSAL EARLY IN PROJECT DEVELOPMENT.
	LAND GRADING RESHAPING THE GROUND SURFACE TO PLANNED GRADES AS DETERMINED BY ENGINEERING SURVEY EVALUATION AND LAYOUT.
	TREE PRESERVATION & PROTECTION PRACTICES TO PRESERVE AND PROTECT DESIRABLE TREES FROM DAMAGE DURING PROJECT DEVELOPMENT.
	TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT A GRAVELED AREA OR PAD LOCATED AT POINTS WHERE VEHICLES ENTER AND LEAVE A CONSTRUCTION SITE.
	TEMPORARY DIVERSIONS A TEMPORARY RIDGE OR EXCAVATED CHANNEL OR COMBINATION RIDGE AND CHANNEL CONSTRUCTED ACROSS SLOPING LAND ON A PREDETERMINED GRADE.
	PERMANENT DIVERSIONS A PERMANENT RIDGE OR CHANNEL OR COMBINATION RIDGE AND CHANNEL CONSTRUCTED ON A DESIGNED GRADE ACROSS SLOPING LAND.
	DIVERSION DIKE (PERIMETER) A DIKE OR DIKE AND CHANNEL CONSTRUCTED ALONG THE PERIMETER OF A DISTURBED CONSTRUCTION AREA.
	RIGHT-OF-WAY DIVERSIONS A RIDGE OR RIDGE AND CHANNEL CONSTRUCTED DIAGONALLY ACROSS A SLOPING ROAD OR UTILITY RIGHT-OF-WAY THAT IS SUBJECT TO EROSION.
	OUTLET STABILIZATION STRUCTURE A STRUCTURE DESIGNED TO CONTROL EROSION AT THE OUTLET OF A CHANNEL OR CONDUIT.

697.90' (P)	PROPOSED ELEVATION
697.10' (E)	EXISTING ELEVATION
	PROPOSED CONTOUR
	EXISTING CONTOUR

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
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7	03/10/26	AJM	FOR REVIEW
8	03/23/26	AJM	FOR CONSTRUCTION
9	03/24/26	AJM	UPDATED REBAR
10	04/08/26	AJM	LANDSCAPE UPDATE



CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO START OF CONSTRUCTION. UTILITIES SHOW ARE APPROXIMATE ONLY AND HAVE NOT BEEN VERIFIED. NOTIFY THE CM AND ENGINEER OF ANY DISCREPANCIES

GRADING NOTE:
REUSE ANY REMOVED TOPSOIL FOR NEW LANDSCAPING AREA. HAUL SURPLUS CUT OFF SITE.

THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.



amentum
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104



AT&T

USID: 329917
FA: 15814376
ILL04385

18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
CHECKED BY: W.W.

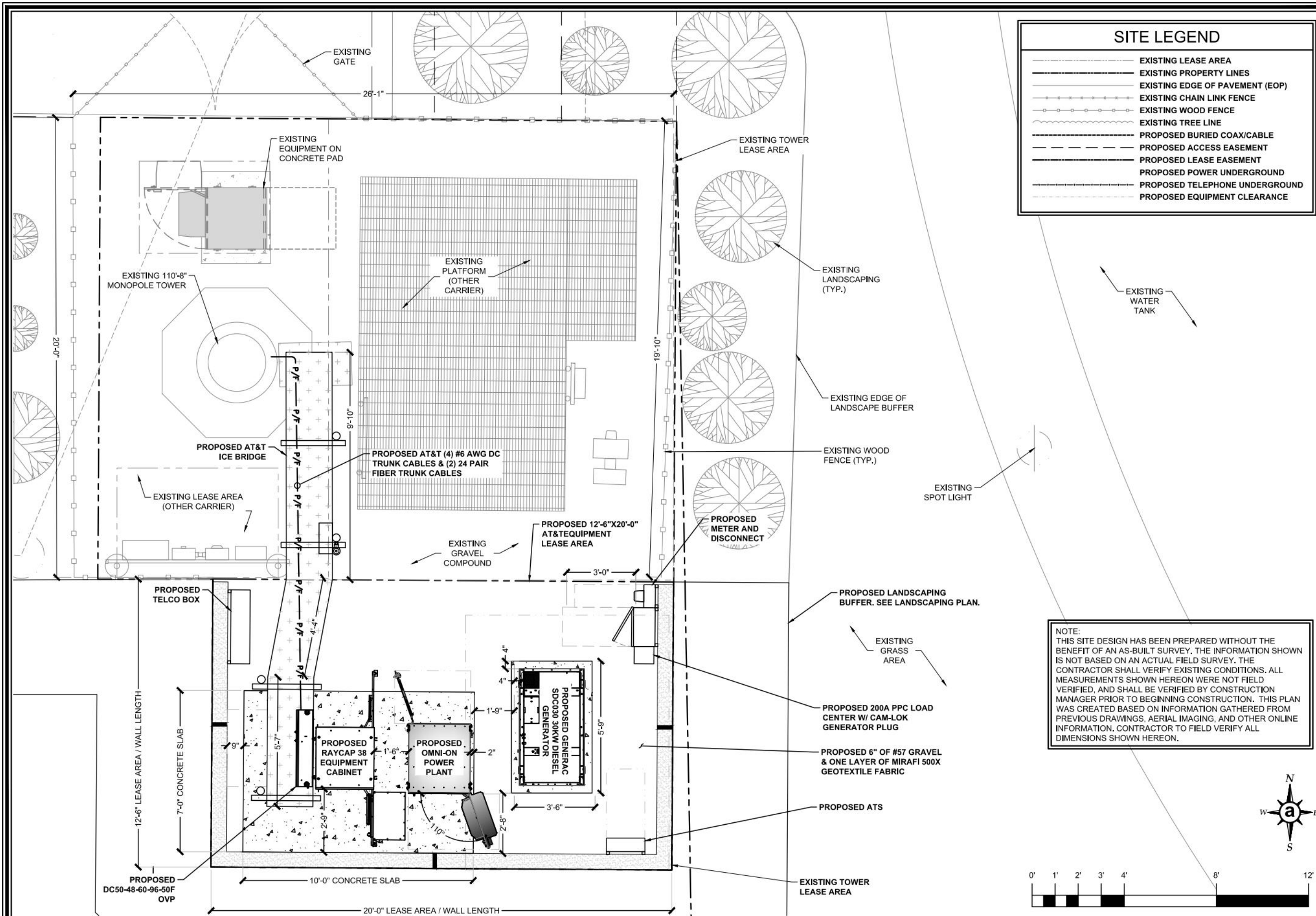
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LICENSED PROFESSIONAL ENGINEER
KARL R. KRATINA
062-070130
OF ILLINOIS
04/08/26

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SHEET NUMBER: C-1.3
REVISION: 10



SITE LEGEND

EXISTING LEASE AREA

EXISTING PROPERTY LINES

EXISTING EDGE OF PAVEMENT (EOP)

EXISTING CHAIN LINK FENCE

EXISTING WOOD FENCE

EXISTING TREE LINE

PROPOSED BURIED COAX/CABLE

PROPOSED ACCESS EASEMENT

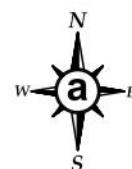
PROPOSED LEASE EASEMENT

PROPOSED POWER UNDERGROUND

PROPOSED TELEPHONE UNDERGROUND

PROPOSED EQUIPMENT CLEARANCE

NOTE:
THIS SITE DESIGN HAS BEEN PREPARED WITHOUT THE BENEFIT OF AN AS-BUILT SURVEY. THE INFORMATION SHOWN IS NOT BASED ON AN ACTUAL FIELD SURVEY. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. ALL MEASUREMENTS SHOWN HEREON WERE NOT FIELD VERIFIED, AND SHALL BE VERIFIED BY CONSTRUCTION MANAGER PRIOR TO BEGINNING CONSTRUCTION. THIS PLAN WAS CREATED BASED ON INFORMATION GATHERED FROM PREVIOUS DRAWINGS, AERIAL IMAGING, AND OTHER ONLINE INFORMATION. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS SHOWN HEREON.



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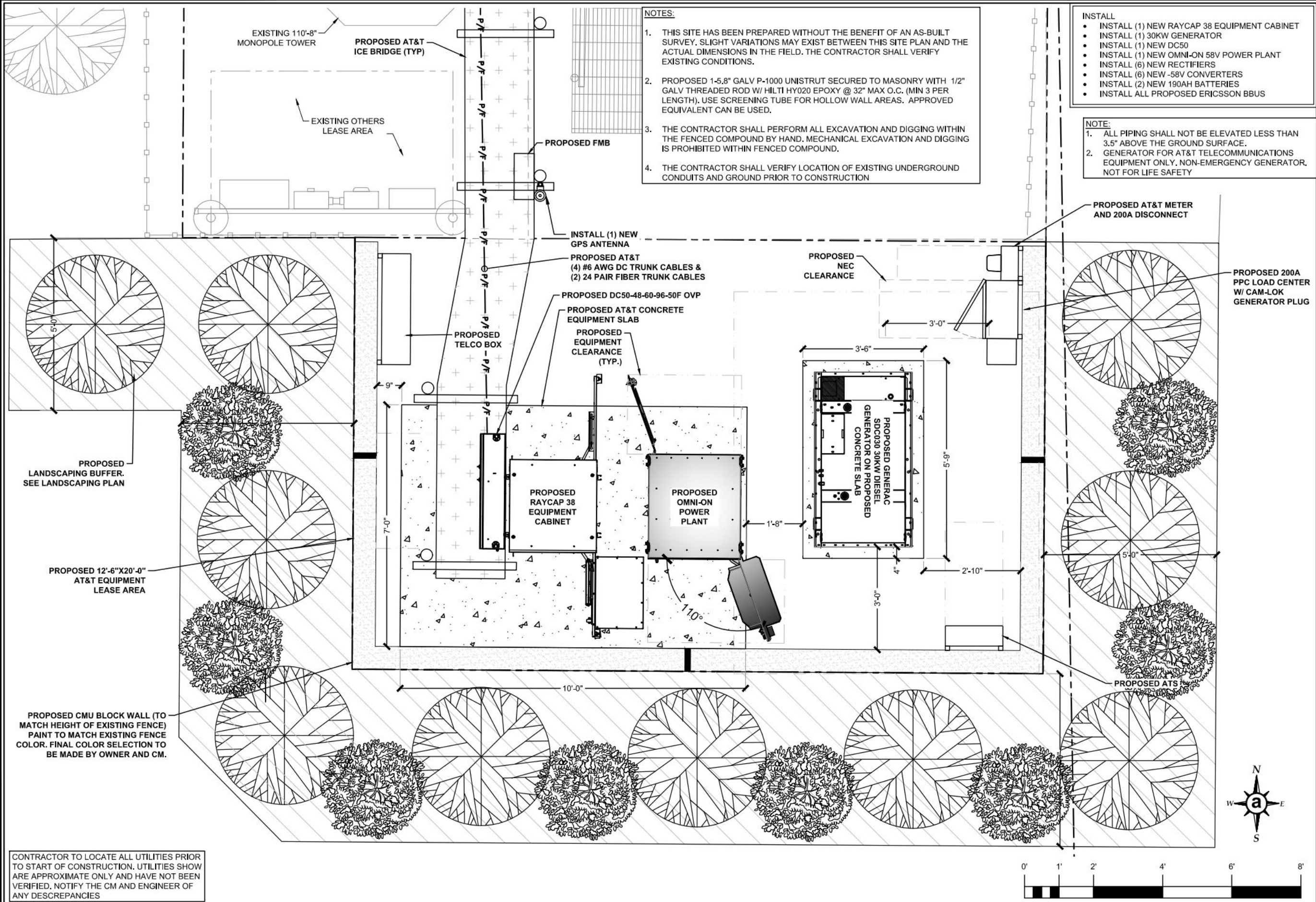
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SHEET NUMBER: C-2
REVISION: 10



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EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
CHECKED BY: W.W.

ISSUED FOR:

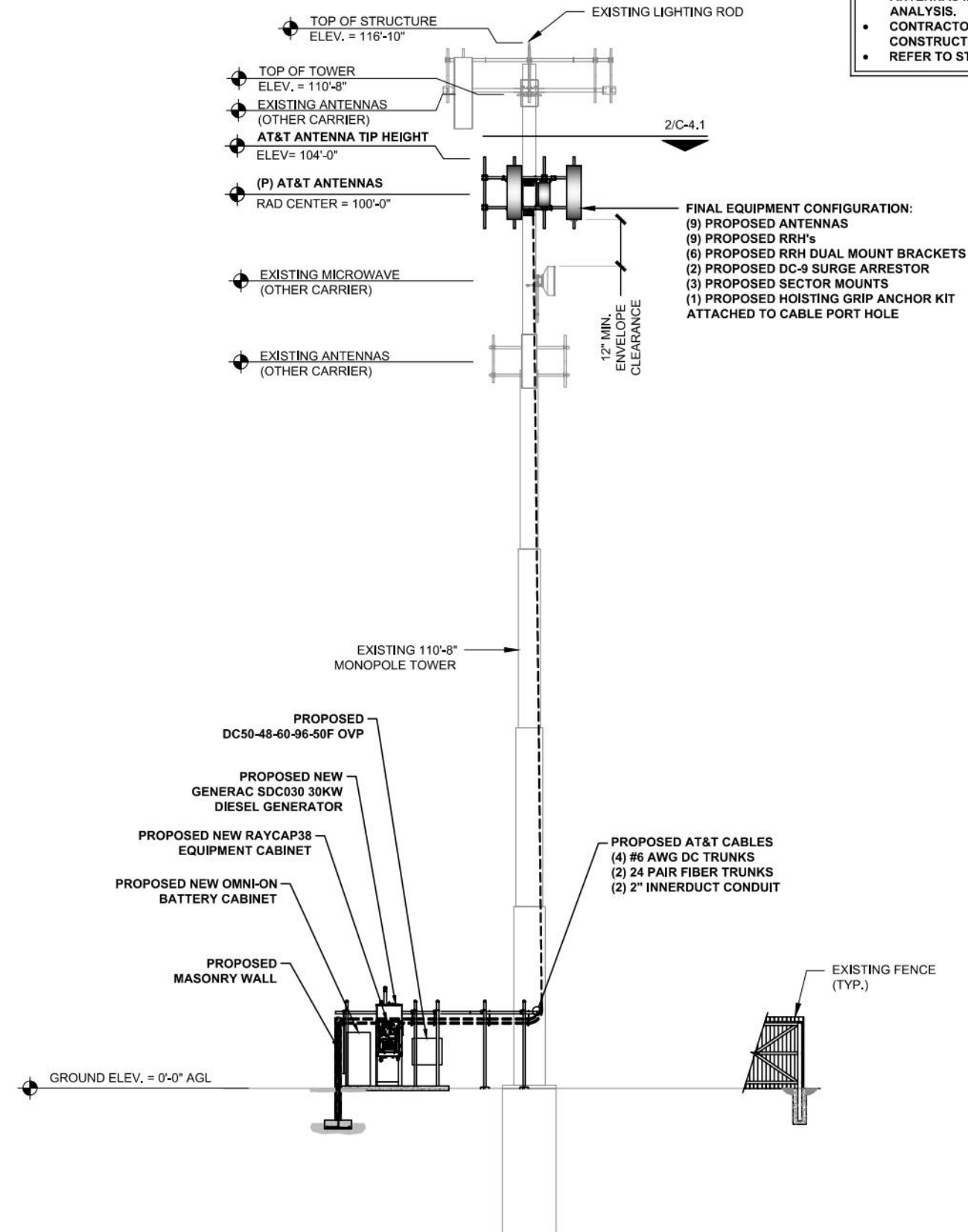
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SHEET NUMBER: C-3
REVISION: 10

1. CONTRACTOR TO FIELD COORDINATE EXACT LOCATION OF PROPOSED EQUIPMENT WITH EXISTING CONDITIONS ON SITE.
2. PROPOSED EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. ALL HARDWARE FASTENERS SHALL BE HIGH STRENGTH (A325, A36).
3. DRILLING OF EXISTING STEEL MEMBERS IS NOT PERMITTED.
4. BOND PROPOSED EQUIPMENT TO EXISTING SECTOR GROUND BAR PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ADDITIONAL SECTOR GROUND BARS AS REQUIRED.
5. ALL ANTENNAS, CABLES, AND MOUNTS SHALL BE INSTALLED IN ACCORDANCE WITH THE ENGINEER'S RECOMMENDATIONS IN A MANNER CONSISTENT WITH THE STRUCTURAL ANALYSIS REPORT.
6. THIS ANTENNA ORIENTATION PLAN IS SCHEMATIC. THE CONTRACTOR SHALL VERIFY TOWER ORIENTATION AND FIELD COORDINATE REQUIRED ADJUSTMENTS TO ACHIEVE THE DESIRED ANTENNA AZIMUTHS.
7. CONTRACTOR TO CONTACT CARRIER FOR UP-TO-DATE RF DESIGN DATA. NOTIFY ENGINEER IF CONFLICT EXISTS.
8. RAYCAP(S) AND RAYCAP MOUNTING HARDWARE TO BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS OR PER CM'S DIRECTION. NO MODIFICATION OF TOWER OR ANTENNA MOUNTING IS ALLOWED UNLESS SPECIFIED BY STRUCTURAL ENGINEER.
9. TOWER STRUCTURAL ANALYSIS PERFORMED BY OTHERS.
10. REFER TO STRUCTURAL ANALYSIS TO DETERMINE FEEDLINE PLACEMENT.
11. THESE DRAWINGS ARE NOT INTENDED TO REFLECT THE STRUCTURAL INTEGRITY OF THE TOWER. THE PROPOSED ANTENNAS AND TRANSMISSION LINES SHOWN ARE REPRESENTATIVE IN NATURE AND DO NOT REFLECT THE ACTUAL CONFIGURATIONS REQUIRED. THE CONTRACTOR SHALL REFER TO THE STRUCTURAL ANALYSIS OF THIS TOWER SITE FOR THE APPROVED LOCATION AND CONFIGURATION OF ALL ANTENNAS AND TRANSMISSION LINES. ALL ANTENNAS MUST BE MOUNTED AND THE TRANSMISSION LINES CONFIGURED IN STRICT ACCORDANCE WITH THE STRUCTURAL ANALYSIS.
12. ANY TOWER MODIFICATIONS, IF REQUIRED BY STRUCTURAL ANALYSIS, SHALL BE COMPLETED BEFORE MOUNT AND EQUIPMENT INSTALLATION. REFER TO STRUCTURAL ANALYSIS REPORT.

THE (4) PROPOSED DC TRUNK CABLES MUST BE INSTALLED IN 2" INNERDUCT IF INSTALLED INSIDE THE MONOPOLE.



- THESE DRAWINGS DO NOT REPRESENT THE STRUCTURAL INTEGRITY OF THE TOWER. THE ANTENNAS SHOWN ARE SCHEMATIC AND DO NOT REFLECT THE ACTUAL CONFIGURATIONS REQUIRED. AMENTUM HAS NOT PERFORMED A STRUCTURAL ANALYSIS OF THE TOWER. CONTRACTOR TO REFER TO ANALYSIS BY OTHERS. ANY MODIFICATIONS TO THE TOWER OR FOUNDATION NEEDED SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EQUIPMENT SHOWN ON THESE DRAWINGS.
- THE CONTRACTOR SHALL REFER TO THE STRUCTURAL ANALYSIS OF THIS TOWER SITE FOR THE APPROVED LOCATION AND CONFIGURATION OF ALL ANTENNAS. ALL ANTENNAS MUST BE MOUNTED IN STRICT ACCORDANCE WITH THE STRUCTURAL ANALYSIS.
- CONTRACTOR TO VERIFY ALL HEIGHTS AND AZIMUTHS PRIOR TO BEGINNING CONSTRUCTION, AND NOTIFY ENGINEER WITH ANY DISCREPANCIES.
- REFER TO STRUCTURAL ANALYSIS TO DETERMINE FEEDLINE PLACEMENT.

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EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
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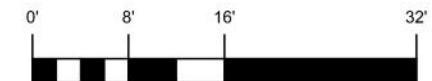
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SHEET NUMBER: C-4
REVISION: 10

TOWER ELEVATION



11"x17" SCALE: 1/16" = 1'-0"
22"x34" SCALE: 1/8" = 1'-0"

1

NOTE:
INSTALL PROPOSED WALL PER COMPOUND
MASONRY WALL / ENCLOSURE CALCULATION
PACKAGE BY AMENTUM DIGITAL
INFRASTRUCTURE, INC. DATED 04/07/25. REFER
TO REPORT FOR ADDITIONAL REQUIREMENTS.

NOTES:
ALL STRUCTURAL WORK IS TO BE COMPLETED
PRIOR TO RF WORK STARTING.

CONTRACTOR TO ENSURE THAT THERE IS NO
ANTENNA SKEW.

NOTE:
ALL TOWERTOP SUPPORTS MUST MEET LOW
PIM STANDARDS

NOTE:
FOR THE INSTALLATION OF THE RRHS, INSTALL
NEW 2.0 STD (2.375" OD) x 120" LONG RRH PIPES
WITH 1/2"Ø U-BOLTS FOR CONNECTIONS FOR
INSTALLATION. MOUNTED ON NEW COMMSCOPE
RR-FA2 RRH MOUNTING BRACKET OR
APPROVED EQUIVALENT. DO NOT EXCEED
MOUNTING MORE THAN 2 RRH's PER PIPE.

NOTE:
FOR THE INSTALLATION OF THE ANTENNA,
INSTALL NEW 2.5 STD (2.875" OD) x 120" LONG
RRH PIPES W/ CROSSOVER BRACKETS (SITE
PRO PART# SCX23-K, OR APPROVED
EQUIVALENT).



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EXISTING MONOPOLE

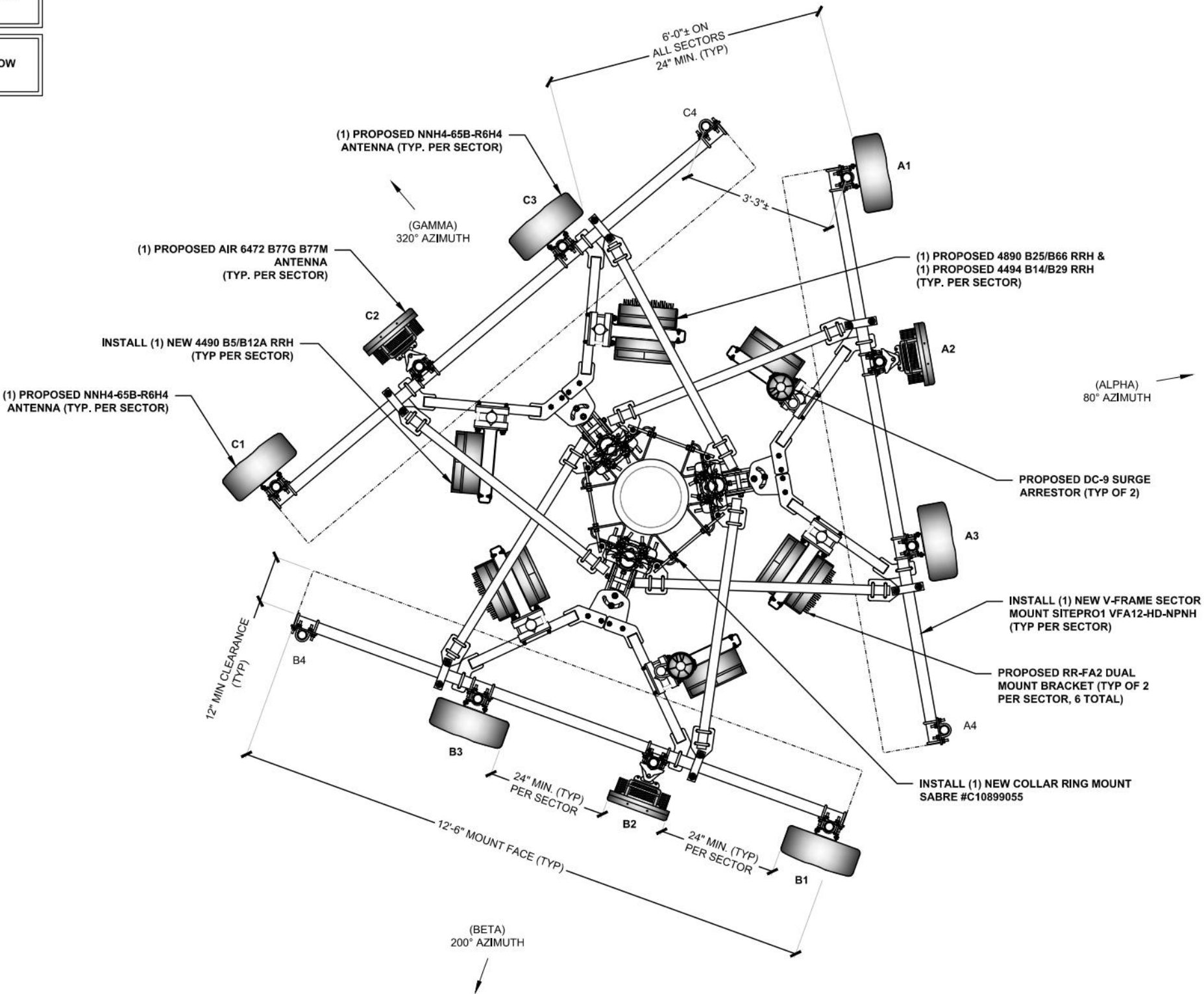
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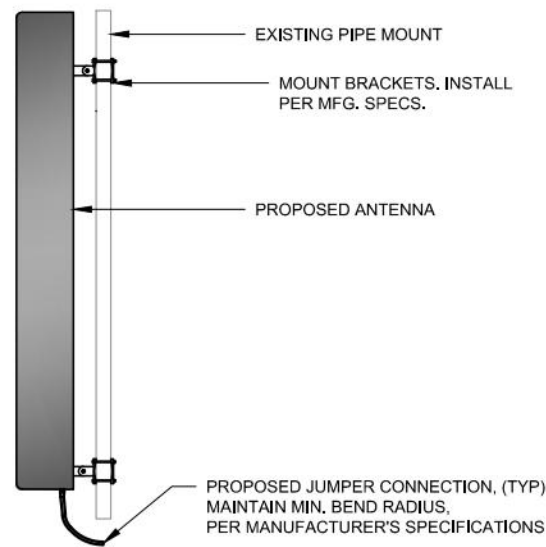


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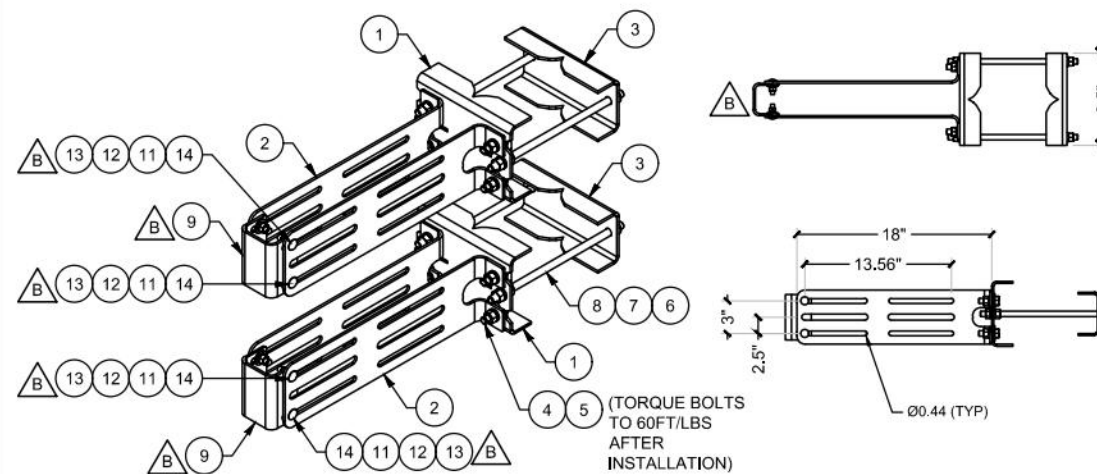
SHEET NUMBER: C-4.1
REVISION: 10



11"x17" SCALE: 3/8" = 1'-0"
22"x34" SCALE: 3/4" = 1'-0"



MOUNT ANTENNA IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURE
DETAIL FOR MOUNTING PURPOSES ONLY.
NOT ALL MEMBERS SHOWN



RRH DUAL MOUNT BRACKET			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MTC378912	WELDED FRONT BRACKET	2
2	MTC378909	RRU HANGER	4
3	MTC378903	REAR BRACKET	2
4	GN-04	1/2" GALV HEX NUT	12
5	GB-04145	1/2" X 1-1/2" GALV BOLT KIT	8
6	GN-04	1/2" GALV LOCK WASHER	12
7	GN-04	1/2" GALV HEX NUT	12
8	MT-379	1/2" X 12" GALV THREADED ROD	4
9	RRFA-0001-00	BRACKET, RRU MOUNT SMALL STABILIZER	2
10	RRFA-0002-00	BRACKET, RRU MOUNT LARGE STABILIZER	2
11	GN-03	3/8" GALV HEX NUT	8
12	GN-03	3/8" GALV LOCK WASHER	8
13	GN-03	3/8" GALV HEX NUT	8
14	MTC8196	3/8 X 1-1/4" Carriage Bolt	8

ANTENNA MOUNTING DETAIL

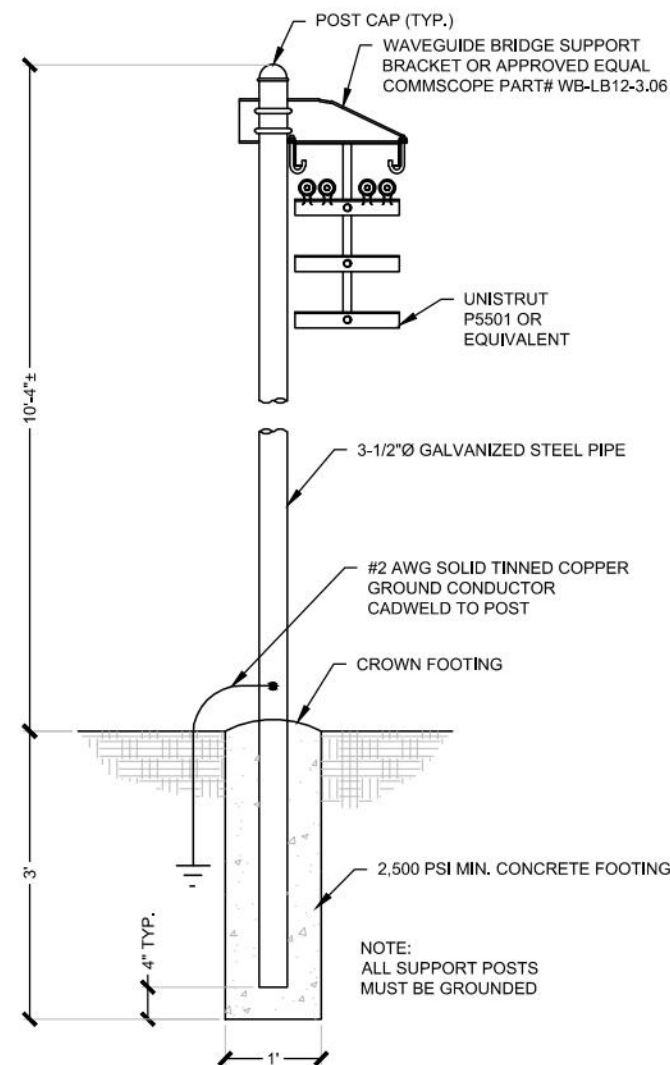
SCALE: NTS

1

COMMSCOPE RR-FA2

SCALE: NTS

2



CABLE BRIDGE DETAIL

SCALE: NTS

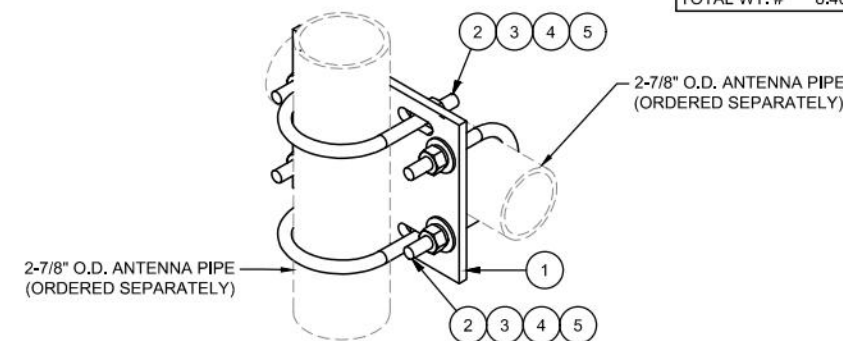
3

NOT USED

SCALE: NTS

4

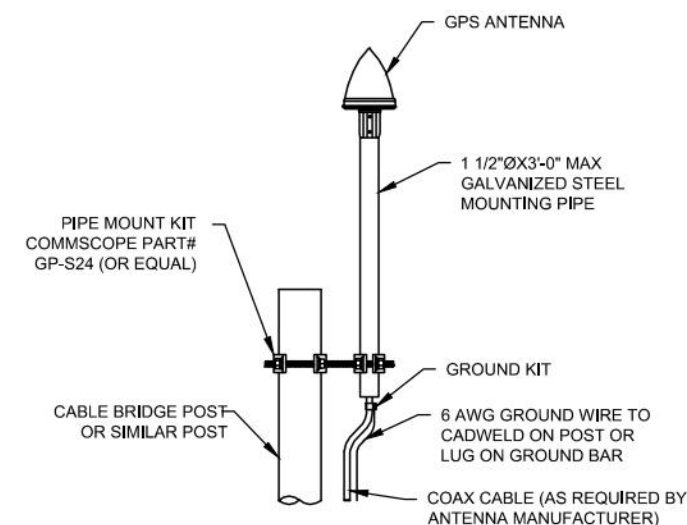
PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	SCX2	CROSSOVER PLATE	7 in	4.80	4.80
2	4	X-UB1300	1/2" X 3" X 5" X 2" U-BOLT (HDG.)		0.73	2.93
3	8	G12FW	1/2" HDG USS FLATWASHER		0.03	0.27
4	8	G12LW	1/2" HDG LOCKWASHER		0.01	0.11
5	8	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.57
					TOTAL WT. #	8.40



SITEPRO1 SCX23-K

SCALE: NTS

5



GPS MOUNTING DETAIL

SCALE: NTS

6



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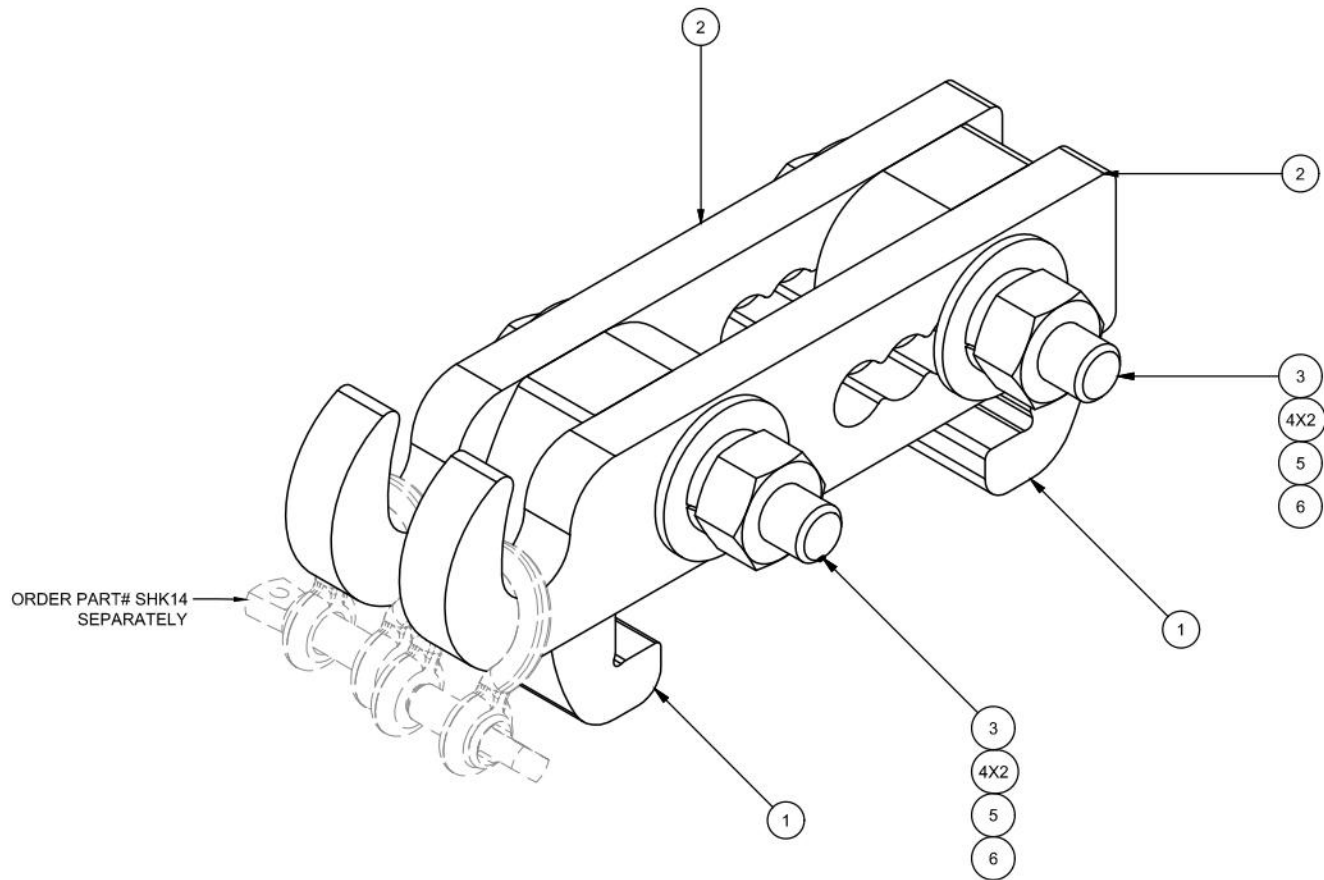
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SHEET NUMBER: C-5
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SITEPRO1 PART #PHH-AL PORT HOLE HANGER KIT PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	2	X-HHR-HANGH	1" MILL PLATE (A572 GR50)	12 in	1.14	2.29
2	2	X-HHR-HANGL	1" MILL PLATE (A572 GR.50)	12 in	1.34	2.68
3	2	G1203	1/2" X 3" HDG HEX BOLT GR5 FULL THREAD	3 in	0.22	0.43
4	4	G12FW	1/2" HDG USS FLATWASHER	3/32 in	0.03	0.14
5	2	G12LW	1/2" HDG LOCKWASHER	1/8 in	0.01	0.03
6	2	G12NUT	1/2" HDG HEAVY 2H HEX NUT		0.07	0.14
TOTAL WT. #						5.71



PROPRIETARY NOTES:

THE DATA AND TECHNOLOGIES IN THIS DRAWING ARE PROPRIETARY INFORMATION OF VALMONT INDUSTRIES AND CONSIDERED A TRADE SECRET. ANY USE OR DISCLOSURE WITHOUT THE CONSENT OF VALMONT INDUSTRIES IS STRICTLY PROHIBITED.

FINISH:
HOT DIP GALVANIZED

HOISTING GRIP ANCHOR KIT DETAIL

SCALE: NTS

1

DC50 MOUNTING TO RAYCAP 38

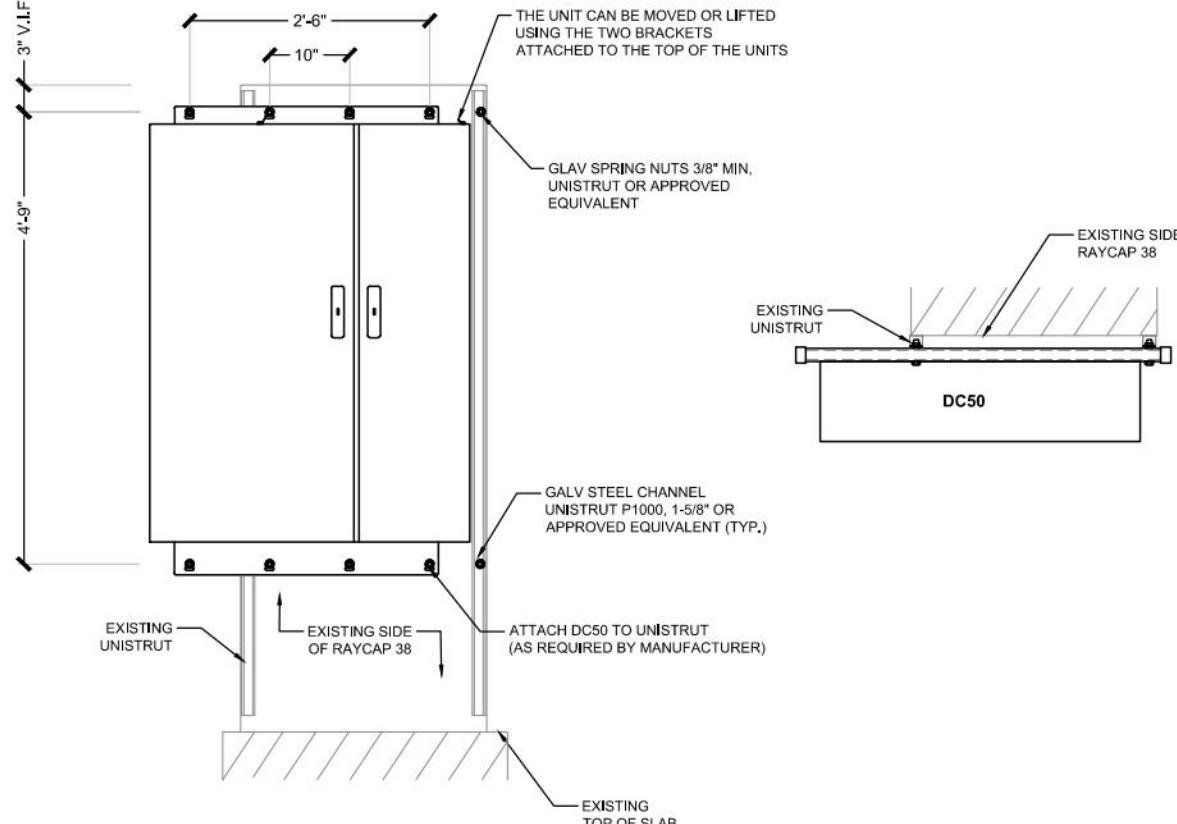
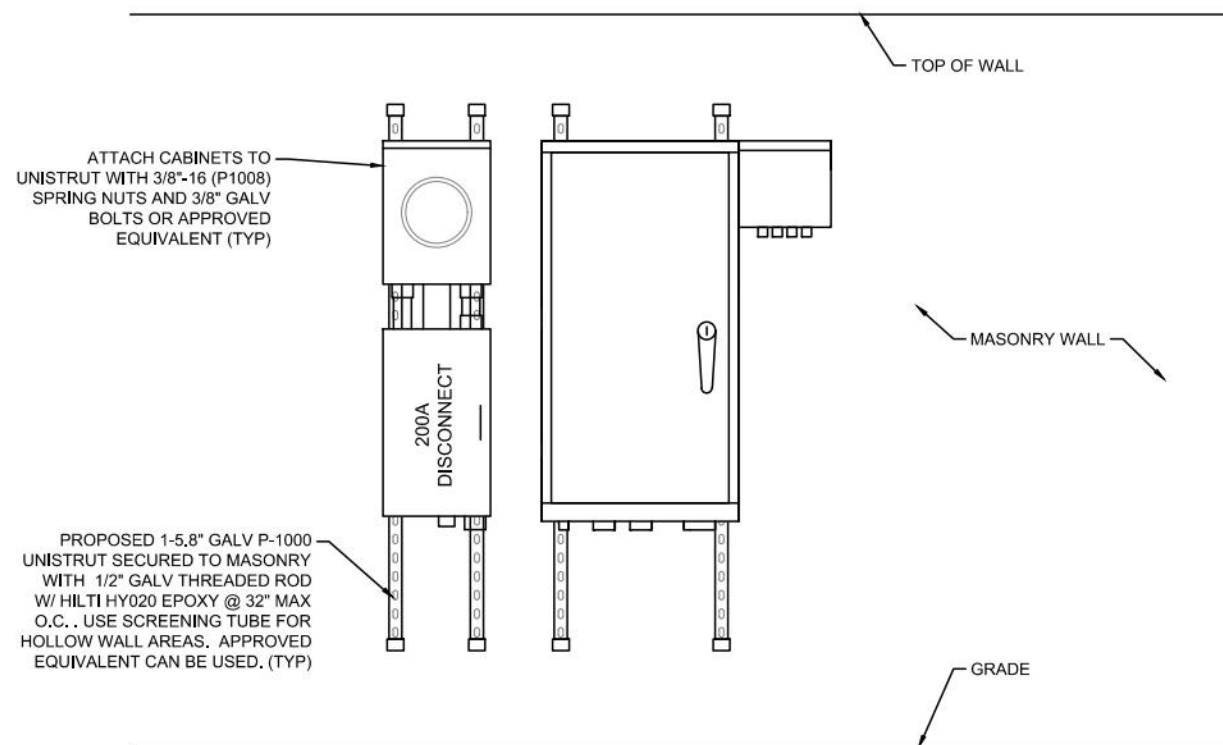
SCALE: NTS

3

TYPICAL EQUIPMENT MOUNTING ON MASONRY WALL

SCALE: NTS

2




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04/08/26

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SHEET NUMBER: REVISION:

C-6 10

GROUT

1. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
2. GROUT SHALL BE NON-METALLIC, NON-SHRINK, 5000 PSI GROUT CONFORMING TO ASTM C 1107.

CAST-IN-PLACE CONCRETE

1. CONCRETE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ACI BUILDING CODE (ACI 318), THE ACI DETAILING MANUAL (ACI 315), AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301).
2. CONCRETE SHALL BE READY MIX IN COMPLIANCE WITH ASTM C 94 WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. MANUFACTURER SHALL BE CERTIFIED ACCORDING TO THE NATIONAL READY MIXED CONCRETE ASSOCIATION'S CERTIFICATION.
3. CONCRETE CONTRACTOR SHALL FOLLOW ACI RECOMMENDATIONS FOR PLACEMENT OF CONCRETE IN COLD WEATHER PER ACI 306.1 AND/OR HOT WEATHER PER ACI 305R.
4. CONCRETE MIX MATERIALS SHALL MEET THE FOLLOWING:
CEMENT: PORTLAND TYPE I/II ASTM C 150
BLENDED HYDRAULIC CEMENT PER ASTM C595 IS PROHIBITED.
FLY ASH: ASTM C 618 CLASS C OR F (25% MAX)
NORMAL WEIGHT AGGREGATE: 3/4 INCH ASTM C 33 (UNIFORMLY GRADED) CLASS 3S
[LIGHTWEIGHT AGGREGATE: 3/4 INCH ASTM C 330]
WATER: POTABLE COMPLYING WITH ASTM C 94
ADMIXTURES:
AIR ENTRAINING: ASTM C260
WATER REDUCING: ASTM C494 TYPE A
HIGH RANGE WATER REDUCING: ASTM C494 TYPE F
WATER REDUCING AND ACCELERATING: ASTM C494 TYPE E
WATER REDUCING AND RETARDING: ASTM C494 TYPE D
CORROSION-INHIBITING: ASTM C494 TYPE C (WHERE INDICATED)
DCI MANUFACTURED BY W.R. GRACE & CO. (OR APPROVED EQUIVALENT)
WATER CEMENT RATIO: [0.42]
SLUMP: 3 INCHES MAX
SLUMP WITH SUPER PLASTICIZER: 8 INCHES MAX
AIR CONTENT: 3% MAX (SLAB-ON-GRADE)
AIR CONTENT: 6% MAX WITH AIR ENTRAINING ADMIXTURE (EXTERIOR CONCRETE)
UNIT WEIGHT: 150 PCF MAX (NORMAL WEIGHT)
5. CONCRETE EXPOSED TO FREEZE-THAW CYCLES (WEATHER) SHALL CONTAIN AN AIR-ENTRAINING ADMIXTURE TO PRODUCE AN AIR-ENTRAINMENT OF 6 PERCENT (MAX). OMIT AIR-ENTRAINMENT FOR CONCRETE TO RECEIVE A TROWELED FINISH.
6. CONCRETE MIX DESIGNS AND ASSOCIATED PRODUCT DATA, IN ACCORDANCE WITH ACI 301, ACI 211.1, AND ACI 211.2, SHALL BE SUBMITTED FOR RECORD PRIOR TO PLACEMENT. SUBMITTAL SHALL INCLUDE COMPRESSIVE STRENGTH TEST RESULTS, MIX PROPORTIONS, AND PRODUCT DATA. PRODUCT DATA SHALL INCLUDE CEMENT MILL TEST CERTIFICATE, AGGREGATE GRADATION RESULTS, AND ADMIXTURE MANUFACTURER DATA SHEETS AND COMPATIBILITY LETTER. ADMIXTURES SHALL BE FROM A SINGLE SOURCE MANUFACTURER.
7. REINFORCING STEEL SHALL BE PLACED WITHIN TOLERANCES IN ACCORDANCE WITH ACI 117 AND SHALL HAVE CLEAR COVER PER ACI 318.
8. REINFORCING STEEL SHALL BE MANUFACTURED FROM HIGH STRENGTH BILLET STEEL CONFORMING TO ASTM A615, GRADE 60. WELDED WIRE FABRIC (FLAT SHEETS) SHALL COMPLY WITH ASTM A185.
9. LAP BARS A MINIMUM 48 DIAMETERS. LAP WELDED WIRE FABRIC A MINIMUM OF 6 INCHES.
10. CONCRETE SHALL BE MOIST CURED FOR SEVEN DAYS. PROVIDE MOISTURE RETAINING COVERS WITH EDGES LAPPED 12 INCHES AND SEALED WITH WATERPROOF TAPE OR ADHESIVE. CONCRETE CONTRACTOR SHALL COORDINATE CONCRETE FINISHES WITH ARCHITECTURAL DRAWINGS AND FINISH SCHEDULE.
11. GROUT SHALL BE NON-METALLIC, NON-SHRINK, 5000 PSI GROUT CONFORMING TO ASTM C 1107.



USID: 329917
FA: 15814376
ILL04385
18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
CHECKED BY: W.W.

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
6	01/15/26	AJM	FOR CONSTRUCTION
7	03/10/26	AJM	FOR REVIEW
8	03/23/26	AJM	FOR CONSTRUCTION
9	03/24/26	AJM	UPDATED REBAR
10	04/08/26	AJM	LANDSCAPE UPDATE



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SHEET NUMBER: C-7
REVISION: 10

SCALE: N/A 1

CONCRETE NOTES

REBAR SPLICE AND HOOK SCHEDULE

REBAR SPLICE AND HOOK DIMENSIONS FOR REINFORCED CONCRETE
F'c = 4,000 PSI

ASTM BAR SIZE	LD	CLASS B LAP	TOP BAR LAP	LDH
3	12"	12"	16"	7 1/2"
4	12"	15"	20"	9 1/2"
5	15"	19"	24"	12"
6	18"	23"	29"	14 1/2"
7	25"	33"	43"	17"
8	29"	37"	49"	19"

LDH

90° BEND

12db

180° HOOK

CRITICAL SECTION

4db

(2 1/2" MIN.)

R

LD

STANDARD CLASS "B" LAP AND TOP BAR LAP

NOTES:

TOP BAR - DEFINED AS A BAR LOCATED SUCH THAT 12", OR MORE, OF FRESH CONCRETE IS CAST INT HE MEMBER BELOW THE SPLICE.

MINIMUM OUTSIDE RADIUS OF BEND, R, SHALL BE 4db

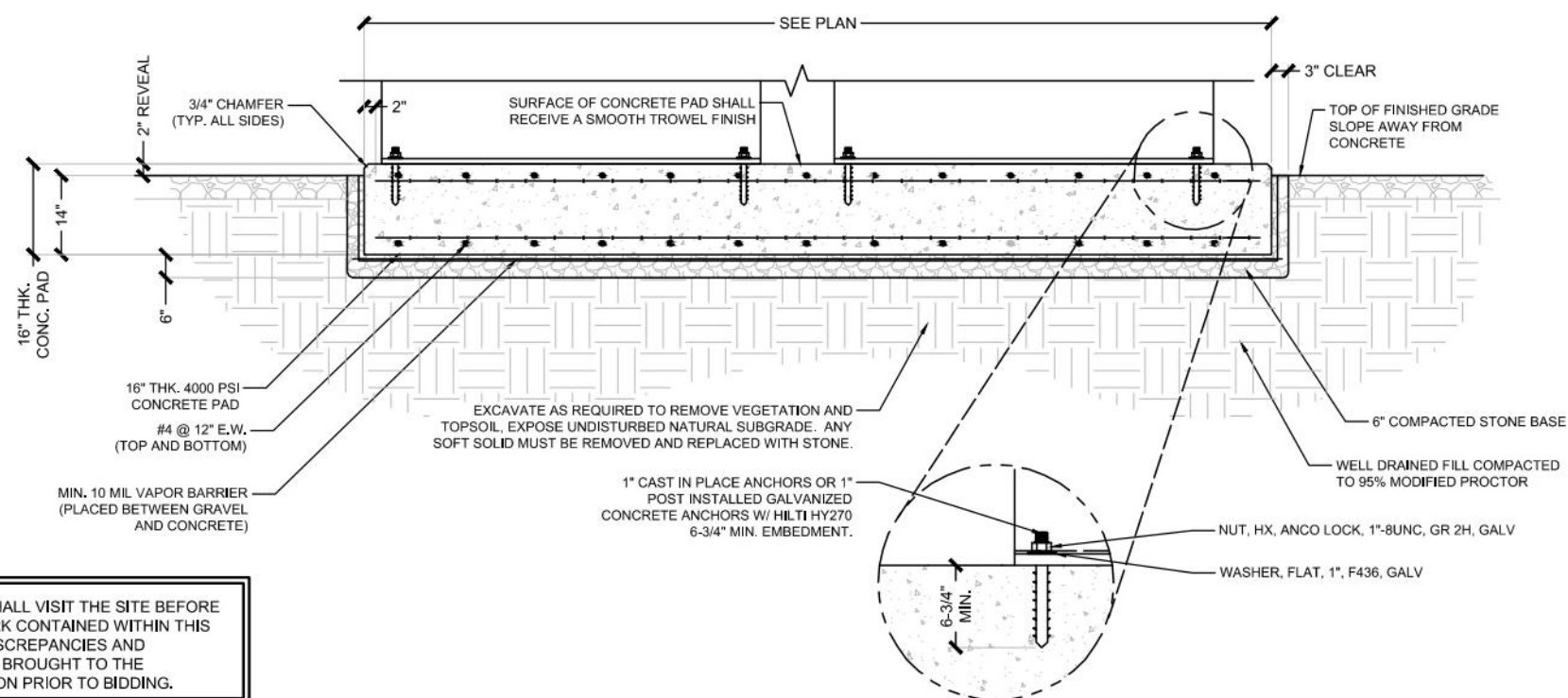
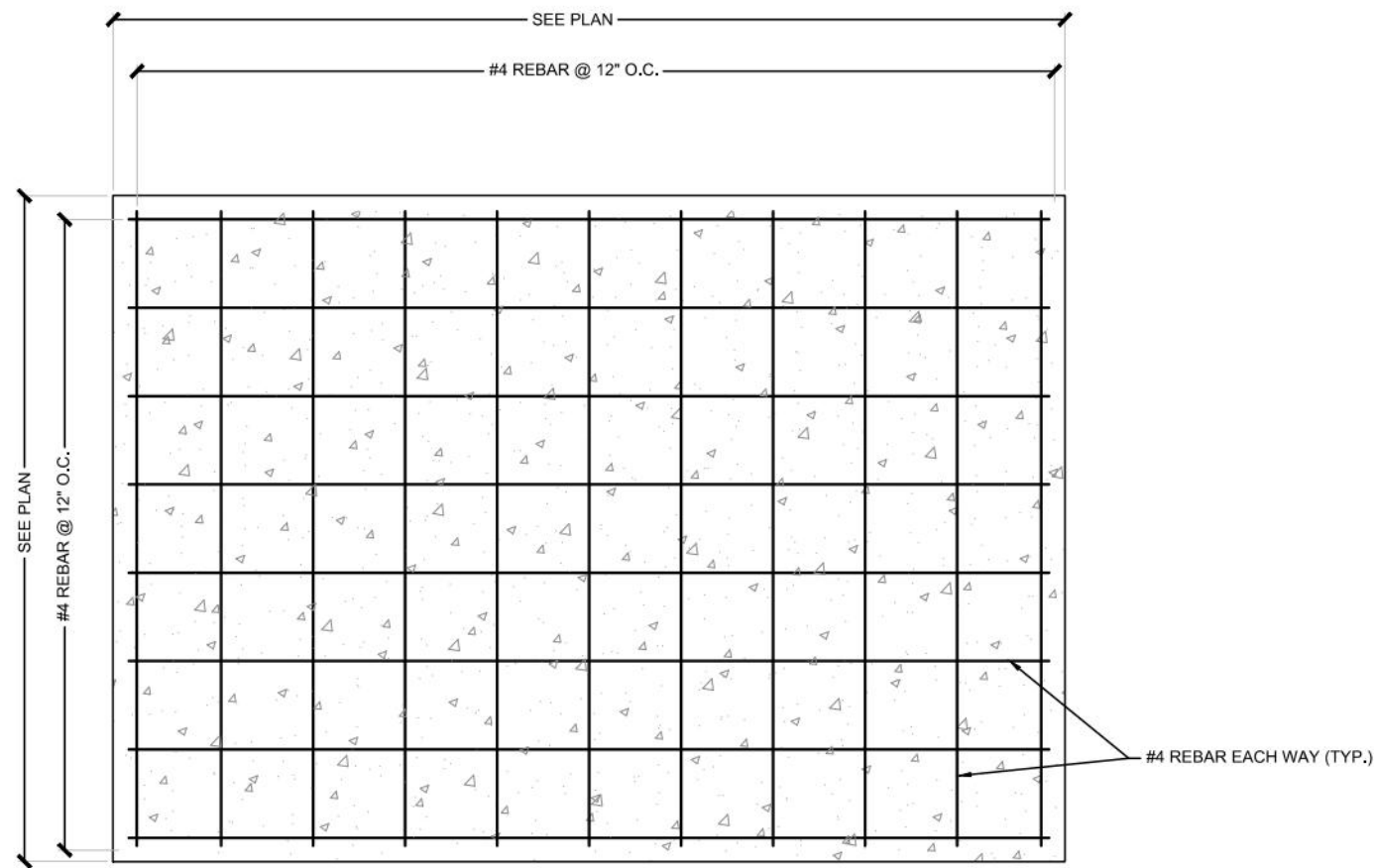
LD - STD. DEVELOPMENT LENGTH OF BAR

LDH - STD. DEVELOPMENT LENGTH OF HOOK

F'c - SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE

db - BAR DIAMETER AS PER ASTM

CONCRETE NOTES



THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.

CONCRETE PAD SECTION AND CONNECTIONS

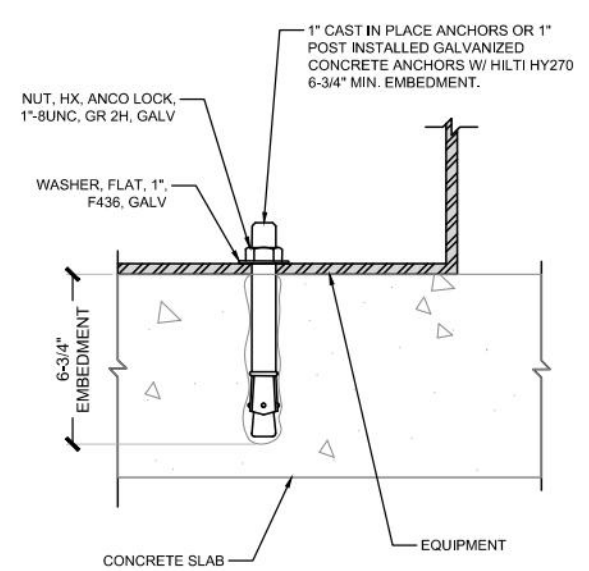
SCALE: NTS

1

ANCHOR DETAIL

SCALE: NTS

3



NOT USED

SCALE: NTS

2

PROJECT NO:	EP5TRFIL
CHECKED BY:	W.W.

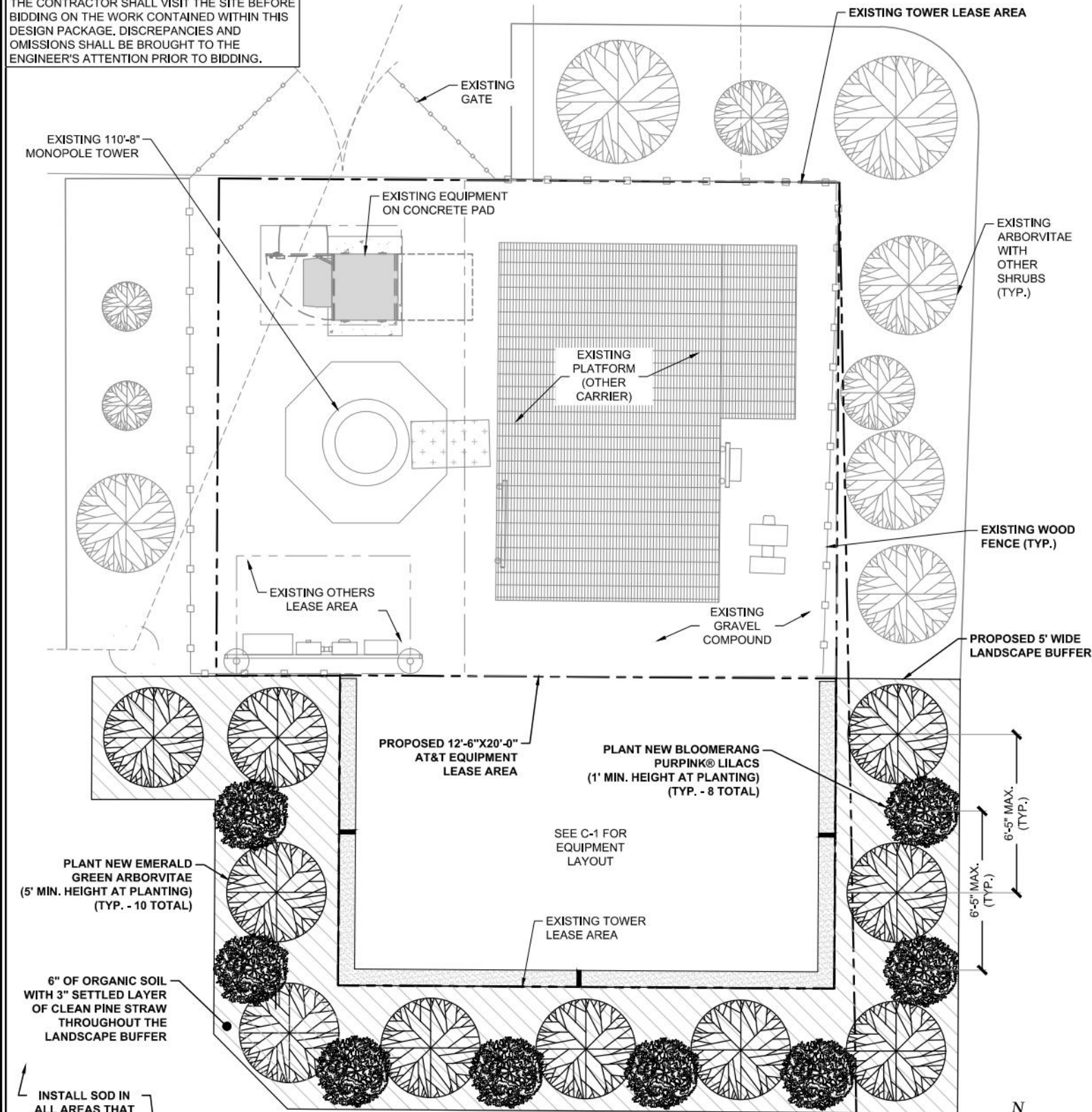
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10	04/08/26	AJM	LANDSCAPE UPDATE



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SHEET NUMBER:	REVISION:
C-8	10

THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.



SITE LANDSCAPE SCREENING - PLANTING CHART				
QUANTITY	SCIENTIFIC NAME	COMMON NAME	PLANT SIZE	SPACING
10	THUJA OCCIDENTALIS 'SMARAGD'	EMERALD GREEN ARBORVITAE	5' MIN. @ PLANTING	SEE PLAN
8	SYRINGA X PUBESCENS	BLOOMERANG PURPINK® LILACS	1' MIN. @ PLANTING	SEE PLAN

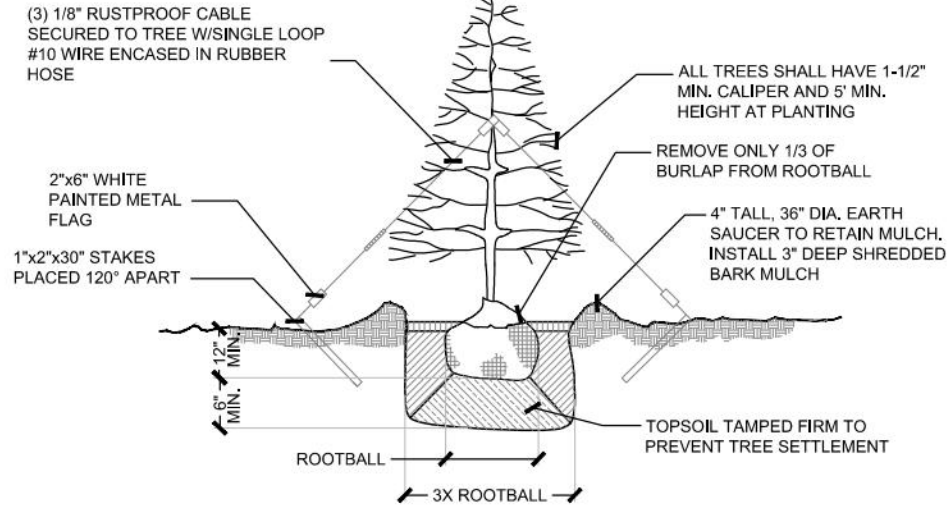
PINESTRAW MULCH - 3" SETTLED LAYERS OF CLEAN STRAW



LANDSCAPE PLAN

11"x17" SCALE: 3/16" = 1'-0"
22"x34" SCALE: 3/8" = 1'-0"

1



TREE PLANTING DETAIL

SCALE: NTS 2

NOT USED

SCALE: NTS 3

PLANTING NOTES:

- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PEST AND DISEASE.
- ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS SPECIFIED.
- ALL TREES MUST BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE BEFORE, DURING, AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED.
- ALL PLANTS AND PLANTING AREAS MUST COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING COURSE OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING AREAS (INCLUDING, BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZATION, ETC.) UNTIL THE WORK IS FULLY ACCEPTED.
- THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF (1) ONE YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD.
- THE OWNER'S REPRESENTATIVE WILL APPROVE THE STAKED LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION.
- AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCUMULATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ANY PLANT MATERIAL THAT DIES, TURNS BROWN OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, SIZE AND MEETING ALL SPECIFICATIONS.
- STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK", LATEST EDITION, REPRESENTS GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
- ALL REQUIRED TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING OR EXCAVATING.
- UNDISTURBED BUFFERS SHALL BE REPLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUE TO APPROVED UTILITY CROSSINGS. REPLANTING IS SUBJECT TO COUNTY ARBORIST APPROVAL.
- TREES TO BE A MINIMUM OF 5' IN HEIGHT AT TIME OF PLANTING.
- PROVISIONS FOR TREE PROTECTION ON THE SITE SHALL BE, AS A MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE COUNTY TREE PRESERVATION ORDINANCE AND ADMINISTRATIVE GUIDELINES PERTAINING TO TREE PROTECTION.
- IF THE LANDSCAPE DESIGN AND PLANT MATERIAL ARE CHANGED FROM THE COUNTY PERMITTED PLAN, YOU SHALL SUBMIT THREE (3) SETS OF REVISED PLANS TO THE COUNTY ARBORIST'S OFFICE FOR APPROVAL, PRIOR TO ANY LANDSCAPE INSTALLATION.
- UNDISTURBED BUFFERS SHALL BE PLANTED TO BUFFER STANDARDS WHERE SPARSELY VEGETATED OR WHERE DISTURBED DUE TO APPROVED UTILITY CROSSING. REPLANTING IS SUBJECT TO COUNTY ARBORIST APPROVAL. (DO NOT PLANT TREES WITHIN THE SANITARY SEWER EASEMENT).

amentum
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104

AT&T

USID: 329917
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TINLEY PARK, IL 60477
EXISTING MONOPOLE

PROJECT NO: EP5TRFIL
CHECKED BY: W.W.

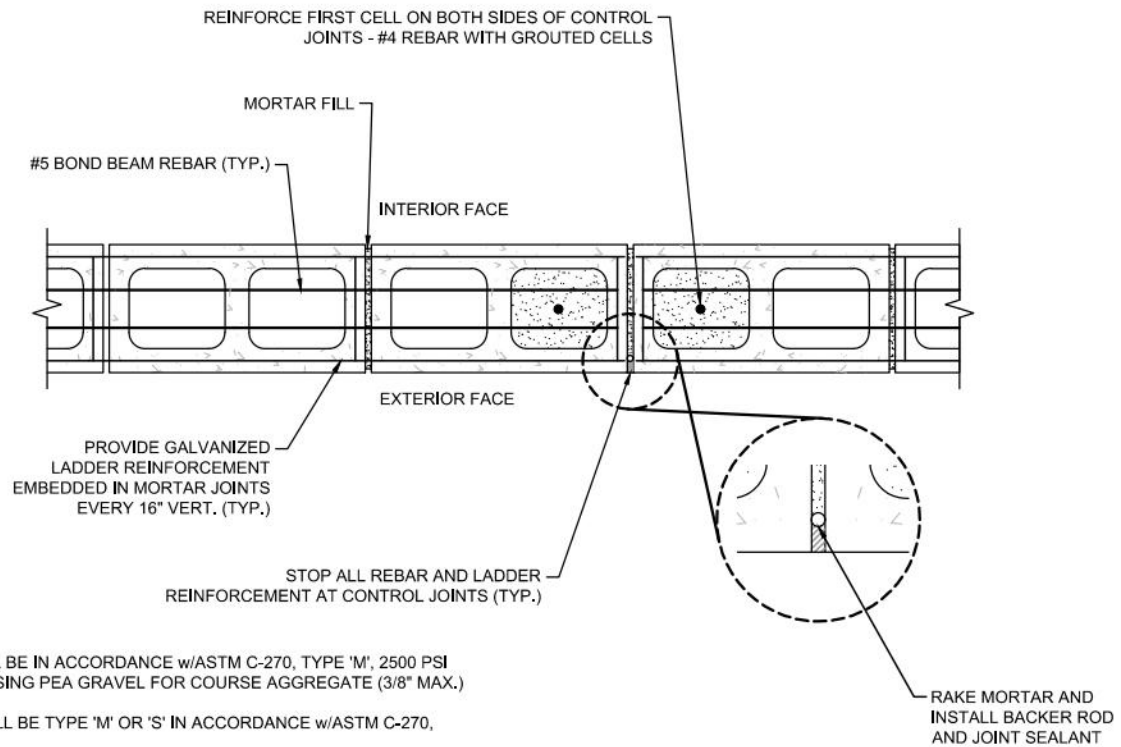
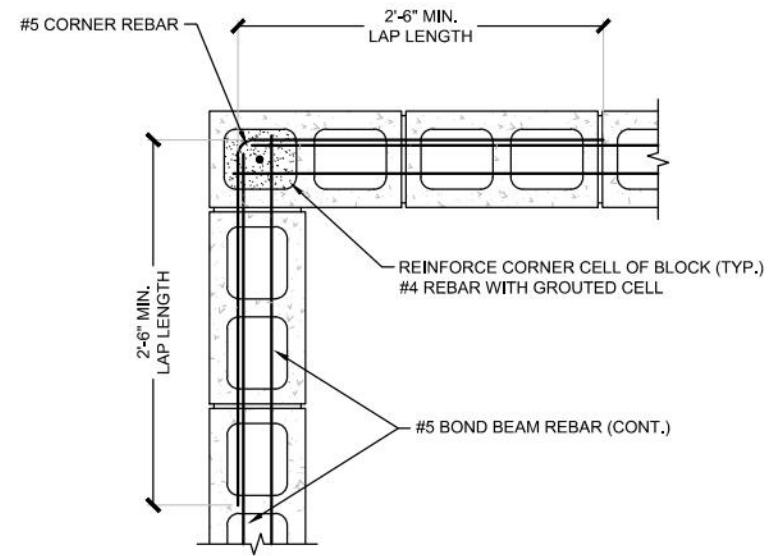
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SHEET NUMBER: **L-1**
REVISION: **10**

10



NOTES:

1. GROUT SHALL BE IN ACCORDANCE w/ASTM C-270, TYPE 'M', 2500 PSI CONCRETE USING PEA GRAVEL FOR COURSE AGGREGATE (3/8" MAX.)
2. MORTAR SHALL BE TYPE 'M' OR 'S' IN ACCORDANCE w/ASTM C-270, 2500 PSI.
3. ALL JOINTS SEALANTS SHALL CONFORM TO ASTM C-920 SPECIFICATIONS.
4. COMPACT SUBGRADE BEFORE POURING FOOTER.
5. SEE REBAR AND CONCRETE SPECIFICATIONS ON C-7.

WALL CORNER REINFORCEMENT DETAIL

NTS

1

CONTROL JOINT DETAIL

SCALE: NTS

2

NOT USED

SCALE: NTS

3

NOT USED

SCALE: NTS

4

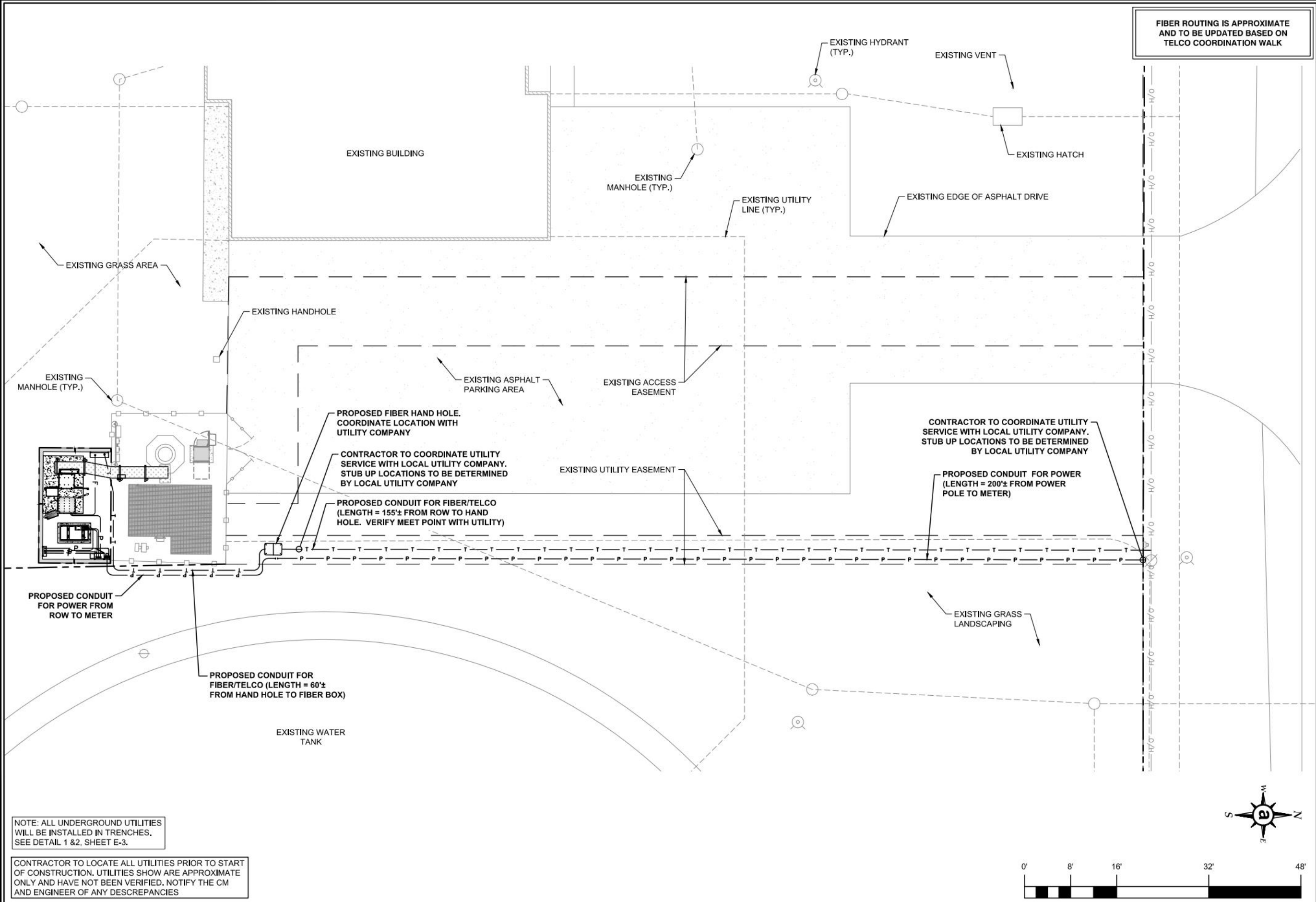
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SHEET NUMBER: **S-2** REVISION: **10**



FIBER ROUTING IS APPROXIMATE
AND TO BE UPDATED BASED ON
TELCO COORDINATION WALK

amentum
2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104



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SHEET NUMBER: **E-0.1** REVISION: **10**

OVERALL ELECTRICAL SITE PLAN

11"x17" SCALE: 1/16" = 1'-0"
22"x34" SCALE: 1/8" = 1'-0"

1. SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
2. CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
3. VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
4. THESE PLANS ARE DIAGRAMMATIC ONLY. FOLLOW AS CLOSELY AS POSSIBLE.
5. CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
6. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION, CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
7. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
8. ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC AND ASHRAE REQUIREMENTS.
9. ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
10. PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
11. DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.
12. ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THW, RATED IN ACCORDANCE WITH NEC 110-14(C).
13. ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THAN THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
14. THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 AND 810 AND THE UTILITY COMPANY STANDARDS.
15. CONDUIT:
 - 15.A. RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - 15.B. ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL. FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - 15.C. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT AND RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
 - 15.D. CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.
 - 15.E. PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
16. ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.
17. UPON COMPLETION OF WORK. CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
18. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.

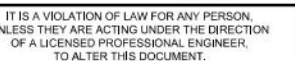
-
- EXISTING 110'-8" MONOPOLE TOWER
- PROPOSED AT&T ICE BRIDGE (TYP)
- EXISTING GRAVEL COMPOUND
- PROPOSED FMB
- INSTALL (1) NEW GPS ANTENNA
- PROPOSED CONDUIT FOR FIBER/TELCO
- PROPOSED AT&T METER AND 200A DISCONNECT
- PROPOSED 200A PPC LOAD CENTER W/ CAM-LOCK GENERATOR PLUG
- PROPOSED NEC CLEARANCE
- PROPOSED TELCO BOX
- PROPOSED AT&T (4) #6 AWG DC TRUNK CABLES & (2) 24 PAIR FIBER TRUNK CABLES
- PROPOSED DC50-48-60-96-50F OVP
- PROPOSED AT&T CONCRETE EQUIPMENT SLAB
- PROPOSED RAYCAP 38 EQUIPMENT CABINET
- PROPOSED OMNI-ON POWER PLANT
- PROPOSED GENERATOR SDC030 30KW DIESEL GENERATOR ON PROPOSED CONCRETE SLAB
- PROPOSED CONDUIT FOR POWER
- CONTRACTOR TO COORDINATE UTILITY SERVICE WITH LOCAL UTILITY COMPANY. STUB UP LOCATIONS TO BE DETERMINED BY LOCAL UTILITY COMPANY
- PROPOSED POWER CONDUIT
- PROPOSED CMU BLOCK WALL (TO MATCH HEIGHT OF EXISTING FENCE)
- PROPOSED ATS
- NOTE: ALL UNDERGROUND UTILITIES CONTRACTOR TO LOCATE ALL UTILITIES PRIOR TO START OF CONSTRUCTION UTILITIES SHOW ARE APPROXIMATE
- 0' 1' 2' 3' 4' 8'
- N
a
S

FIBER ROUTING IS APPROXIMATE
AND TO BE UPDATED BASED ON
TELCO COORDINATION WALK



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CHECKED BY:	W.W.

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E-1	10
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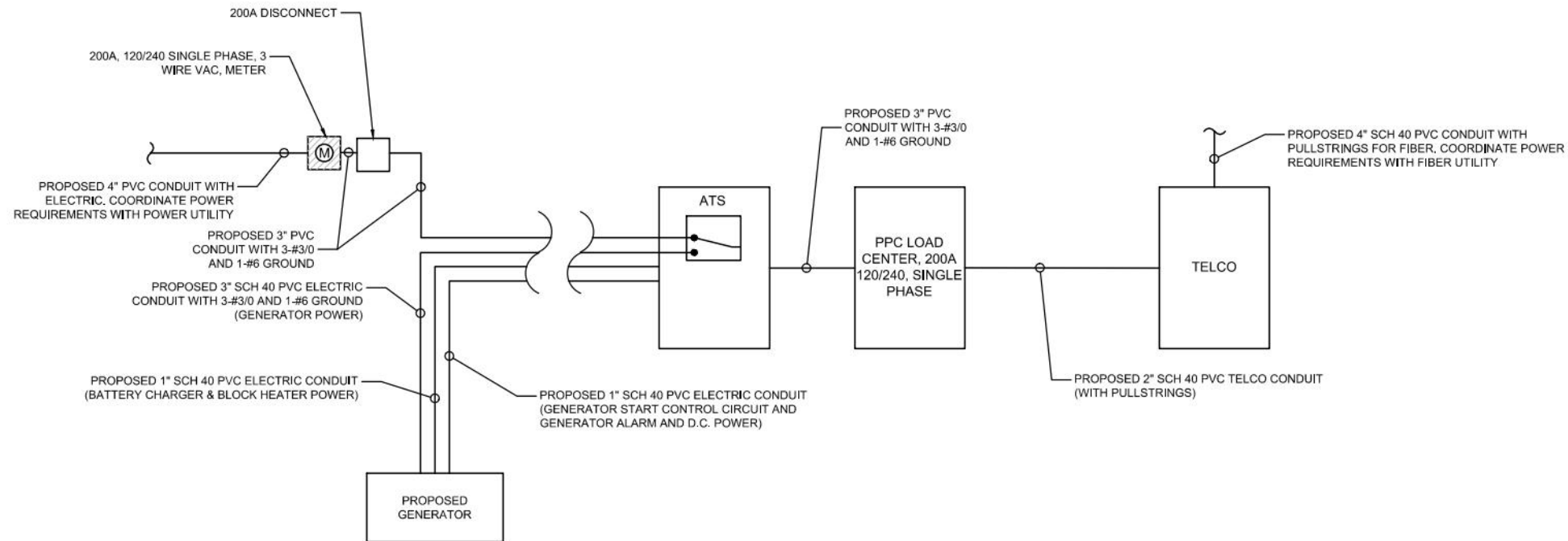
11"x17" SCALE: 1/4" = 1'-0"
22"x34" SCALE: 1/2" = 1'-0"

ONE-LINE DIAGRAM

SCALE: NTS 1

PANEL SCHEDULE

SCALE: NTS 2

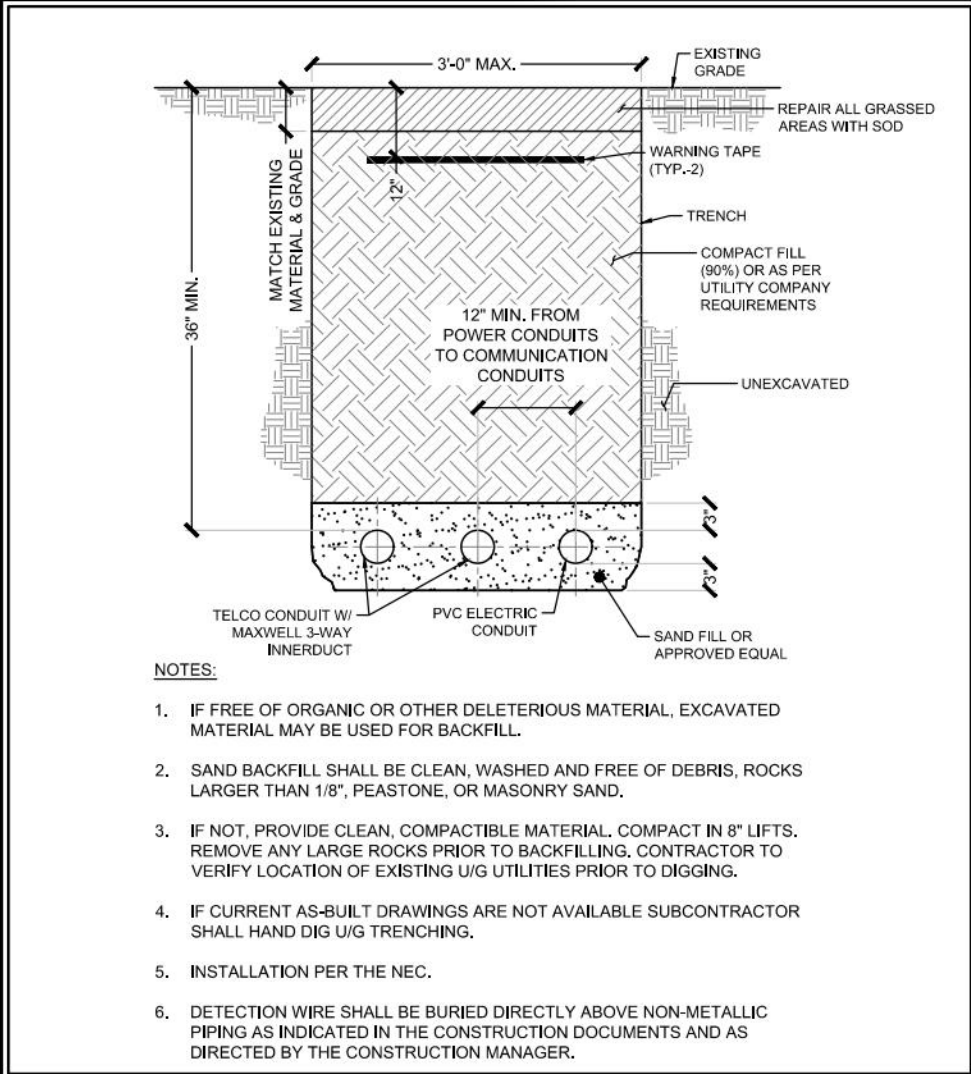


INTEGRATED LOAD CENTER																												
LOAD				LOAD PER PHASE (VA)				WIRE COLOR	LOAD CONTINUOUS	LOADS NON-CONTINUOUS	LOADS SUB-PANEL	WIRE SIZE	GROUNDING WIRE SIZE	TRIP	TRIP	GROUNDING WIRE SIZE	WIRE SIZE	LOADS SUB-PANEL	LOADS NON-CONTINUOUS	LOAD CONTINUOUS	WIRE COLOR	LOAD PER PHASE (VA)		LOAD				
DESCRIPTION	QTY.	UNIT V.A.	PHASE		A	B	A															B	UNIT V.A.	QTY.	DESCRIPTION			
1	OMNI CABINET	1	8745	8745		BLK																			2			
3		1	8745		8745	RED						3/0	(6)	100												4		
5	-																								6			
7																										8		
9	-																								10			
11																										12		
13	-																								14			
15																										16		
17	-																								18			
19																										20		
21	GFCI RECEPTACLE	1	180	180							12	(12)	20													22		
23	OPTIONAL FIBER BOX RECEPTACLE	1	180		180						12	(12)	20													24		
25	BATTERY CHARGER	1	240	240		X					12	(12)	20													26		
27	BLOCK HEATER	1	1500		1500		X				12	(12)	20													28		
29	OIL HEATER	1	180	180							12	(12)	20													30		
		SUBTOTAL CONTINUOUS		240	1,500																	-	-	SUBTOTAL CONTINUOUS		TOTAL KVA CONTINUOUS X 1.25		1,740
		SUBTOTAL NON-CONTINUOUS		9,105	8,925																	-	-	SUBTOTAL NON-CONTINUOUS		TOTAL KVA NON-CONTINUOUS		18,030
		SUBTOTAL SUB-PANEL		-	-																	-	-	SUBTOTAL SUB-PANEL		TOTAL KVA SUB-PANEL		-
PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 2)																									TOTAL KVA		19,770	
MAIN LUGS: N/A		MAIN BREAKER: 200 AMP												BRANCH BREAKER TYPE: SIEMENS - BL											TOTAL AMPS		82.4	
VOLTAGE: 120/240		CYCLE: 60		PHASE: 1		WIRES: 3		MAIN COPPER BUS: 200 AMPS					NEUTRAL: 200 AMPS															

ISSUED FOR:			
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9	03/24/26	AJM	UPDATED REBAR
10	04/08/26	AJM	LANDSCAPE UPDATE



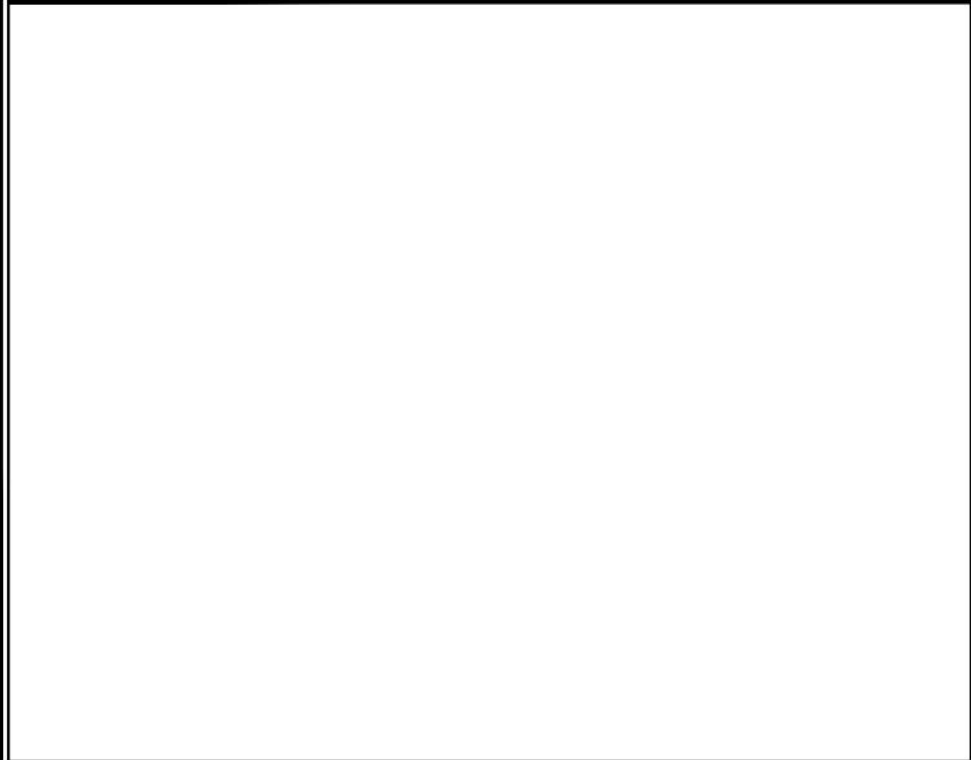
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JOINT SERVICE TRENCH

SCALE: NTS

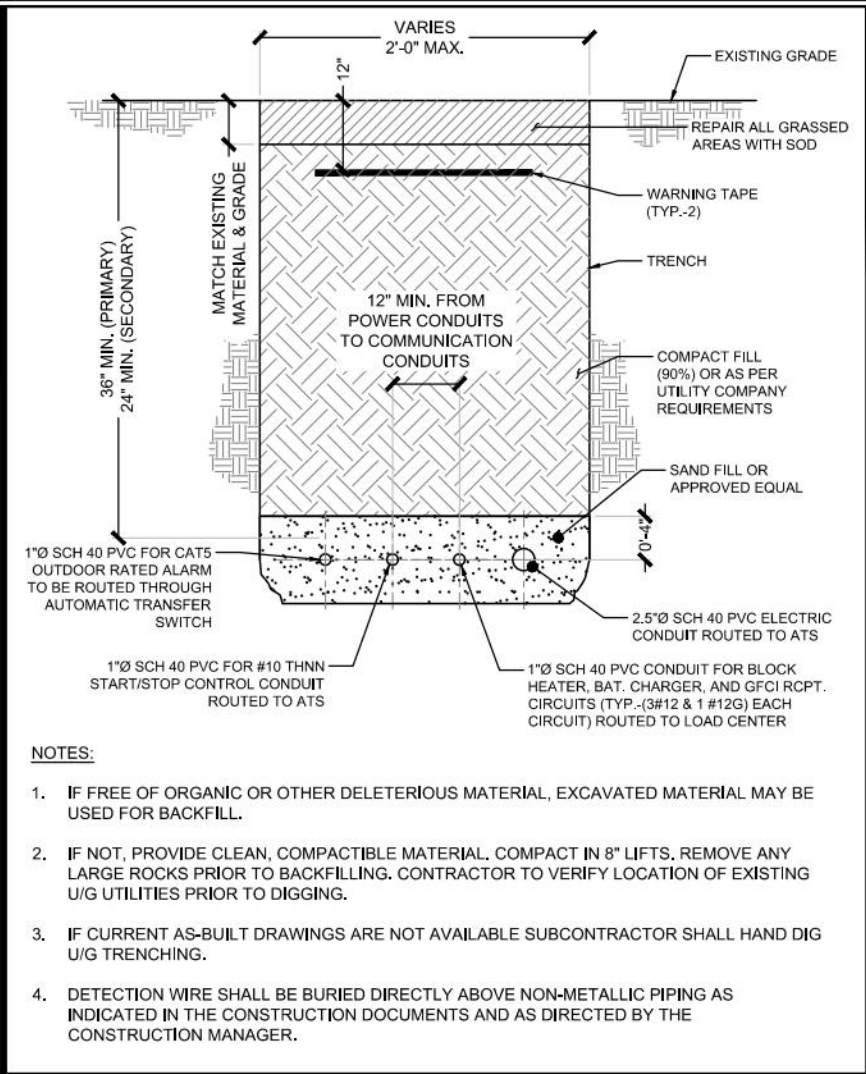
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NOT USED

SCALE: NTS

4



GENERATOR SERVICE TRENCH

SCALE: NTS

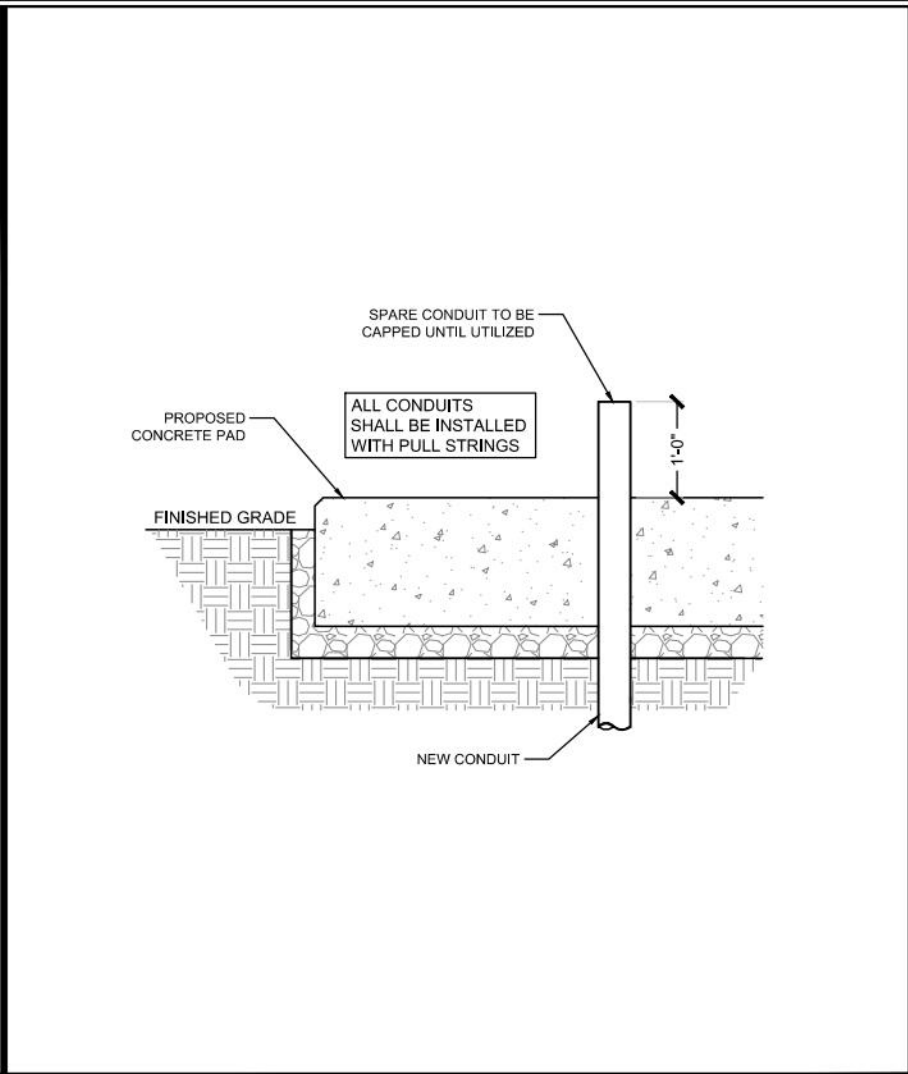
2



NOT USED

SCALE: NTS

5



CONDUIT PENETRATION

SCALE: NTS

3



NOT USED

SCALE: NTS

6


2929 ARCH STREET, STE 1500
PHILADELPHIA, PA 19104



USID: 329917
FA: 15814376
ILL04385
18301 RIDGELAND AVENUE
TINLEY PARK, IL 60477
EXISTING MONOPOLE

PROJECT NO:	EP5TRFIL
CHECKED BY:	W.W.

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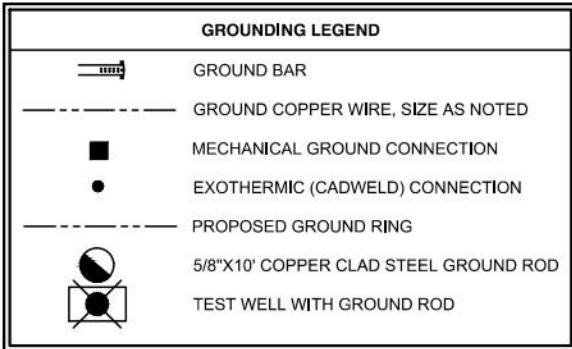
SHEET NUMBER:	REVISION:
E-3	10

GROUNDING NOTES:

- GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS, PRE MEG AND POST MEG REQUIRED. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE OWNER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE. CONTRACTOR SHALL SUBMIT TO THE PROJECT MANAGER ALL TEST REPORTS AND ONE COMPLETE SET OF PRINTS SHOWING "INSTALLED WORK". AT&T CONSTRUCTION MANAGER MUST BE NOTIFIED OF COMPLETION OF GROUNDING SYSTEM INSTALLATION, PRIOR TO COVERING, TO SCHEDULE INSPECTION OF INSTALLATION (24 HOUR MINIMUM NOTICE MUST BE GIVEN TO CONSTRUCTION MANAGER FOR SCHEDULING).
- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, AND FALL POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION.
- ALL EXPOSED GROUND WIRES ROUTED ALONG THE SIDE OF EQUIPMENT CABINETS OR ROUTED OVER CONCRETE FOUNDATIONS OR OTHER EXISTING STRUCTURES SHALL BE INSTALLED IN PROPERLY ANCHORED 1/2"Ø (MIN.) SILICONE FILLED SEAL TIGHT CONDUIT.
- CONTRACTOR SHALL NOT DISTURB EXISTING GROUNDING SYSTEM. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST.
- ALL ELEMENTS OF ICE BRIDGE AND AT&T UTILITY BACKBOARD MUST BE BONDED AND JUMPERED TO GROUNDED COMPONENTS OF THESE SYSTEMS.
- ALL INTERIOR CABLES AND WIRING SHALL BE NEATLY ROUTED IN OVERHEAD LADDER RACK AND FASTENED TO LADDER RACK WITH WAX COATED STRING PER LUCENT TECHNOLOGIES INSTALLATION STANDARDS. PLASTIC CABLE TIES SHALL NOT BE USED.
- ALL GROUNDING CONDUCTORS SHALL BE ROUTED DOWNWARDS FROM POINT OF ORIGIN TO TERMINATION POINT (GROUND BAR, GROUND RING, ETC.). CONNECTIONS TO OVERHEAD HALO GROUND SHALL BE THE ONLY EXCEPTION.
- GROUNDING CONDUCTORS SHALL NOT REVERSE DIRECTION (EXCEPT HALO AND BURIED GROUND RINGS). OTHER EXCEPTIONS NEED TO BE APPROVED BY AT&T PROJECT MANAGER PRIOR TO INSTALLATION.
- USE OF 90° BENDS IS PROHIBITED, MAXIMUM ALLOWED BENDING RADIUS OF PROTECTION GROUNDING CONDUCTORS IS 45°.
- ANY FENCE POST WITHIN 7' OF ANY AT&T EQUIPMENT (EQUIPMENT CABINETS, GENERATOR, FUEL TANK, ICE BRIDGE, ETC.) SHALL BE BONDED TO THE AT&T EQUIPMENT CABINETS GROUND RING OR COMPOUND GROUND RING.
- AT&T EQUIPMENT CABINETS GROUND RING SHALL BE BONDED TO TOWER AND COMPOUND GROUND RINGS IN 2 PLACES EACH.
- IN ACCORDANCE WITH NEC REQUIREMENTS, ALL GROUNDING ELECTRODES PRESENT ON SITE SHALL BE BONDED TOGETHER (REFERENCE NEC ARTICLE 250.50)

NOTES:

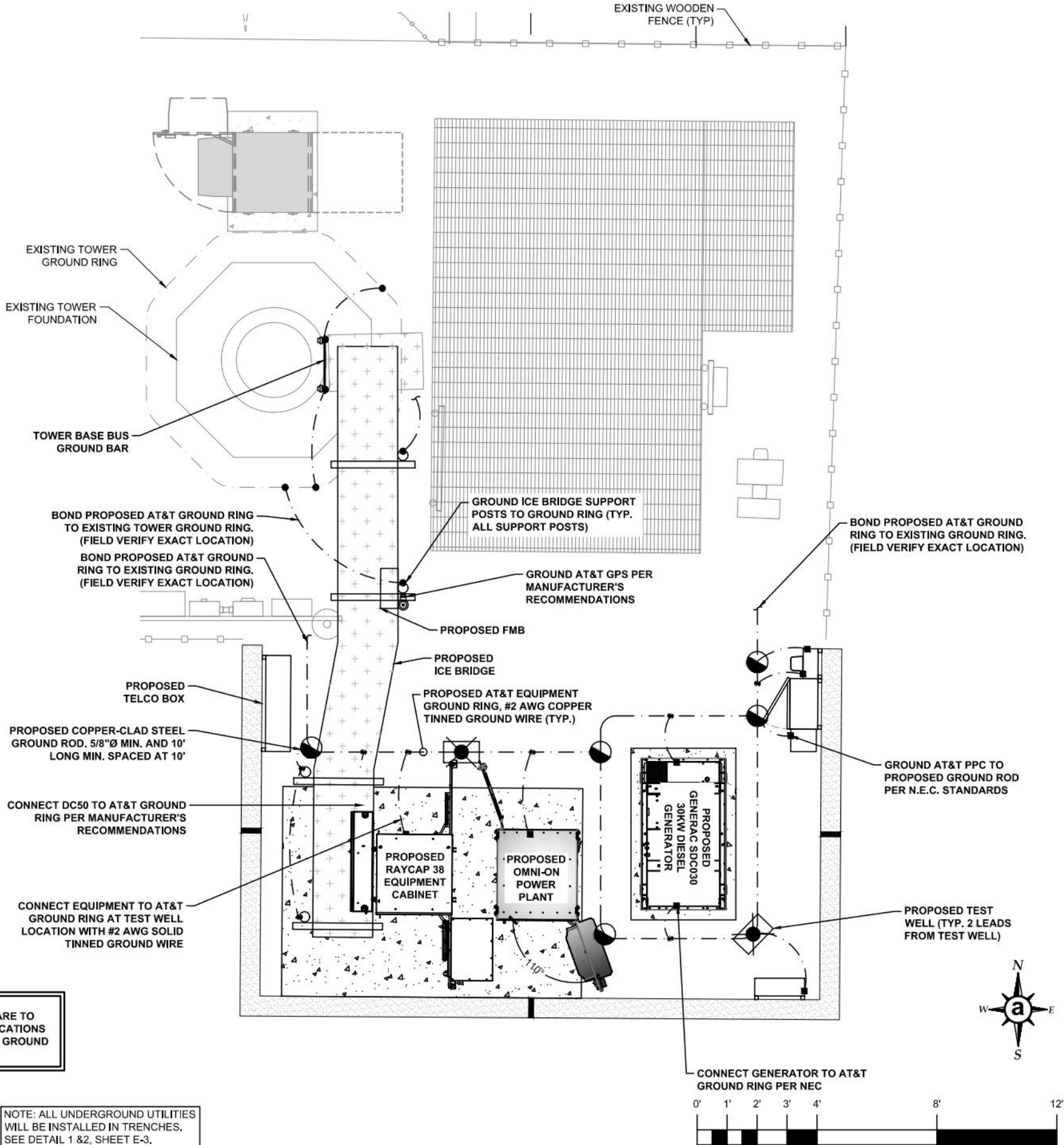
- BOND ANTENNA GROUNDING KIT CABLE TO GROUND BAR (GND BAR).
- HALO GROUND DESIGNED AND INSTALLED BY SHELTER MANUFACTURER. TIE INTO EGR IN 6 LOCATIONS.
- ALL CELL EQUIPMENT (BTS, BATTERY FRAME, POWER CABINETS, MISC. EQUIPMENT FRAMES, ETC.) SHALL BE GROUNDED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND INSTALLED BY WIC VENDOR.
- GROUND BAR AT BASE OF TOWER ONLY REQUIRED WHEN COAX IS USED.
- GROUND METER PER N.E.C. STANDARDS.
- GROUND ALL EQUIPMENT PER AT&T SPECIFICATIONS AND NEC.
- GROUND EXISTING FENCE POSTS WITHIN 7' OF PROPOSED EQUIPMENT.



NOTE:
LOCATION OF GROUNDING COMPONENTS ARE TO BE DETERMINE IN FIELD PER AT&T SPECIFICATIONS AND NEC STANDARDS. LOCATE PROPOSED GROUND RING 2 FT MIN FROM SLAB.

PROPOSED GENERATOR TO BE GROUNDED PER NEC AND MANUFACTURERS STANDARDS

NOTE: ALL UNDERGROUND UTILITIES WILL BE INSTALLED IN TRENCHES. SEE DETAIL 1 & 2, SHEET E-3.



amentum
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EXISTING MONOPOLE

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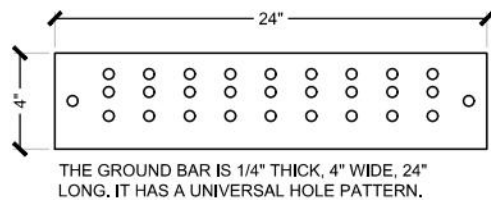
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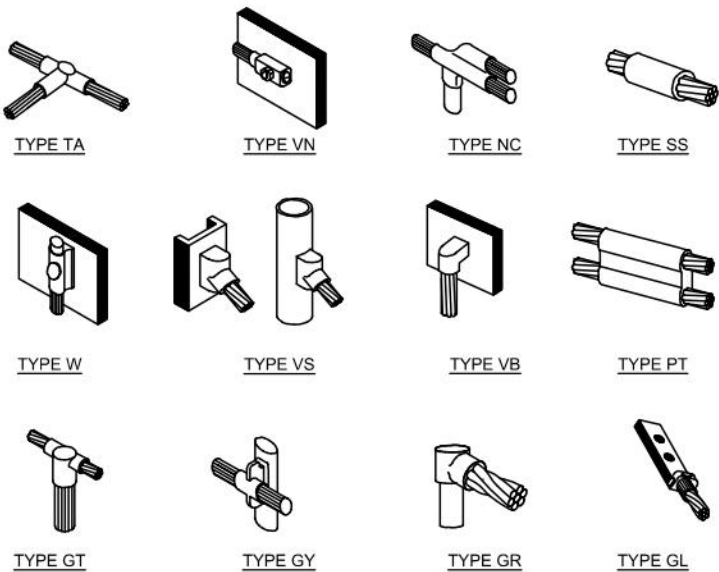
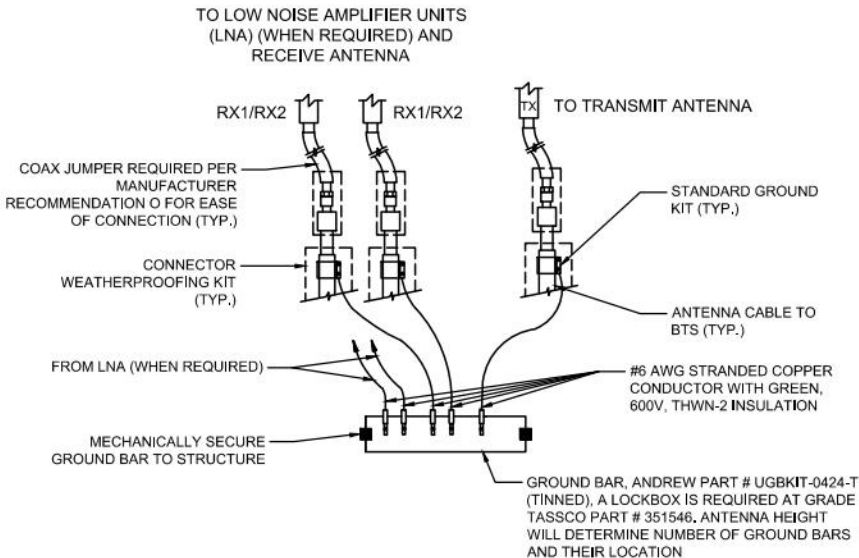
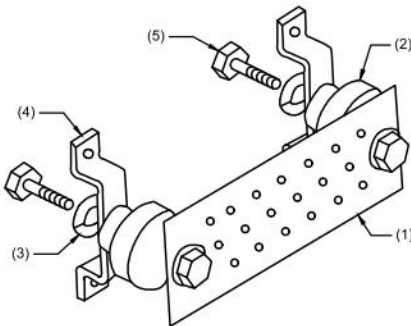
G-1 10



NOTE:
ALL HOLES ARE 7/16" UNLESS
SPECIFIED DIFFERENTLY.

LEGEND

- 1. GALVANIZED GROUND BAR, 1/4"x4"x24", SITE PRO P/N HDG42463-K. HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
- 2. STANDOFF INSULATORS (INCLUDED IN KIT).
- 3. GALVANIZED WASHER.
- 4. STAINLESS STEEL MOUNTING BRACKET (INCLUDED IN KIT).
- 5. TAMPER RESISTANT SS BOLT FOR GROUND BARS, SITE PRO P/N TRHK.



GROUND BAR DETAIL

SCALE: NTS

1

ANTENNA GROUND BAR DETAIL

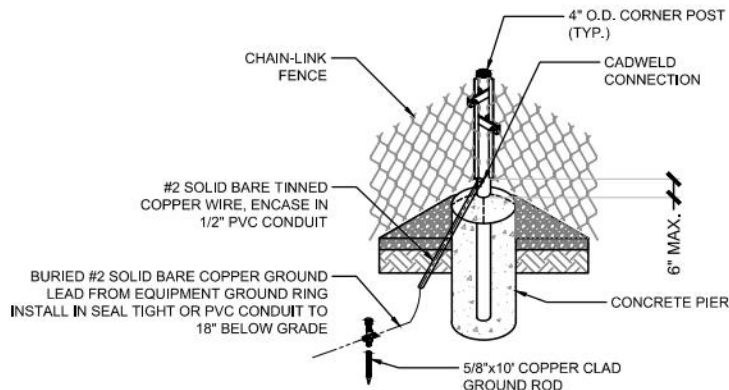
SCALE: NTS

2

CADWELD DETAILS

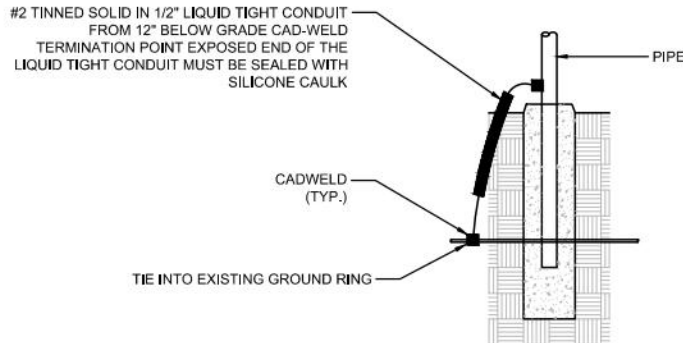
SCALE: NTS

3



NOTES:

- 1. THE #2 AWG, BCW, FROM THE RING GROUND SHALL BE CADWELDED TO THE POST ABOVE GRADE.
- 2. BOND EACH HORIZONTAL POLE/BRACE TO EACH OTHER AND TO EACH VERTICAL POLE BONDED TO THE EXTERIOR GROUND RING.



FENCE GROUNDING DETAIL

SCALE: NTS

4

NOT USED

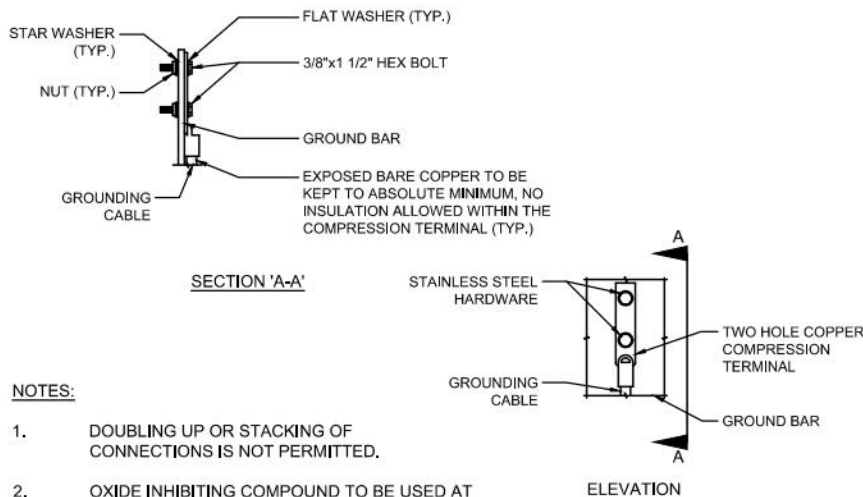
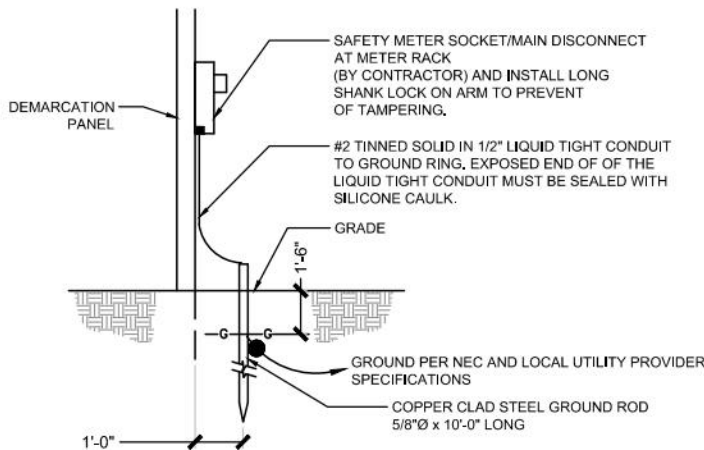
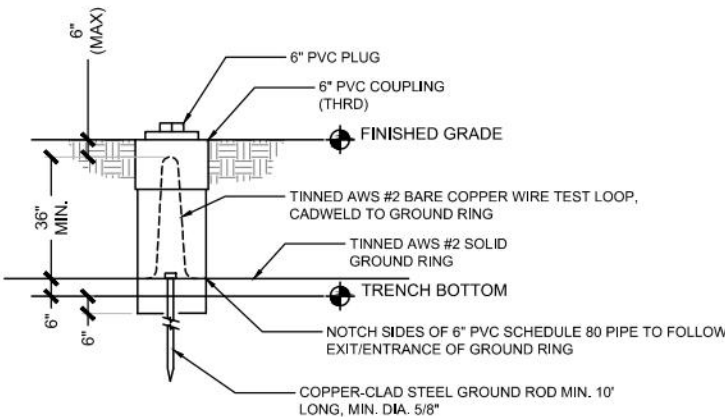
SCALE: NTS

5

ICE BRIDGE GROUND DETAIL

SCALE: NTS

6



GROUND SYSTEM TESTING WELL

SCALE: NTS

7

METER SOCKET GROUNDING

SCALE: NTS

8

GROUND BAR MECH. CONN. DETAIL

SCALE: NTS

9

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G-2 10

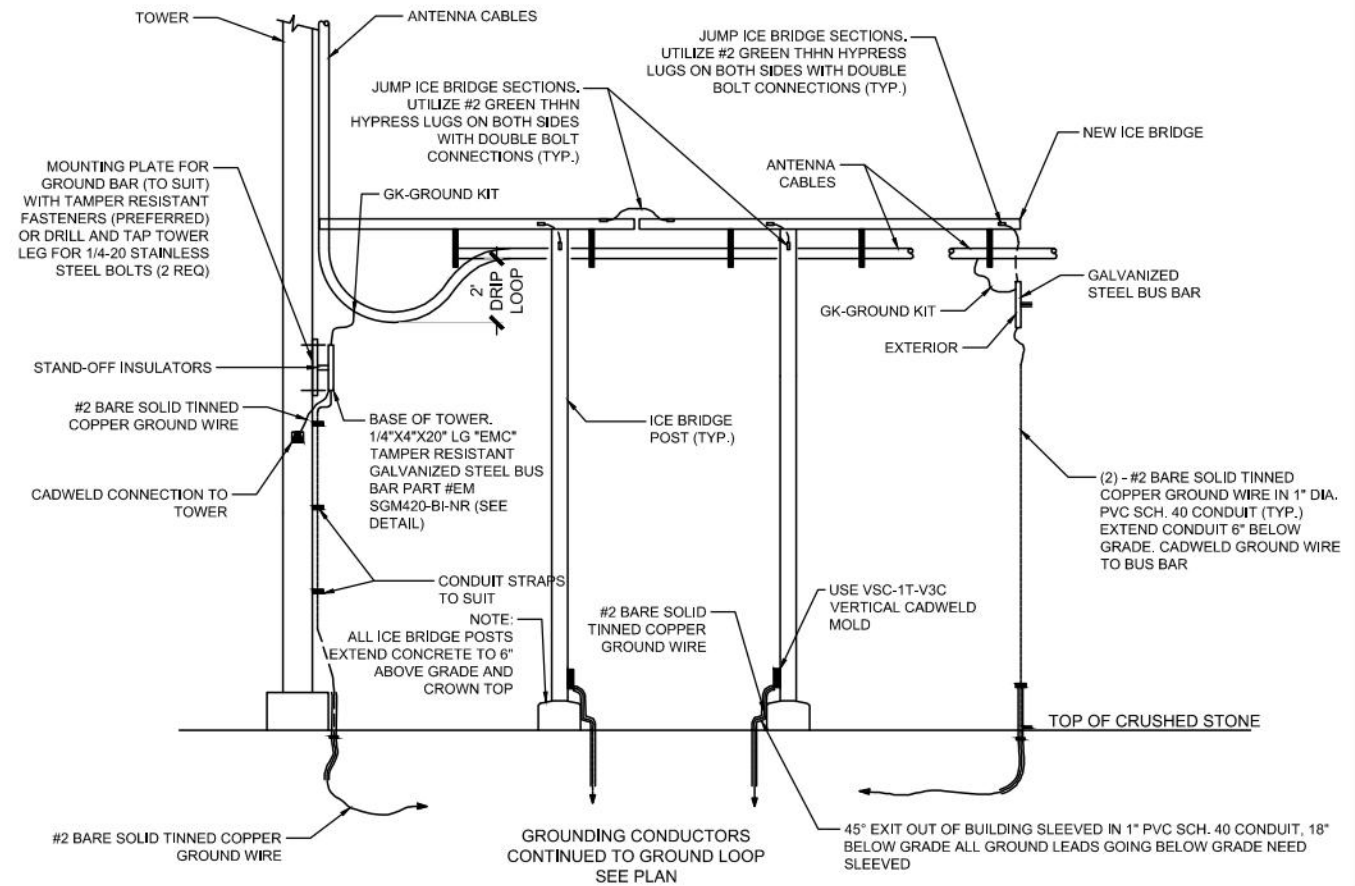
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SHEET NUMBER: REVISION:

G-3 10



NOT USED

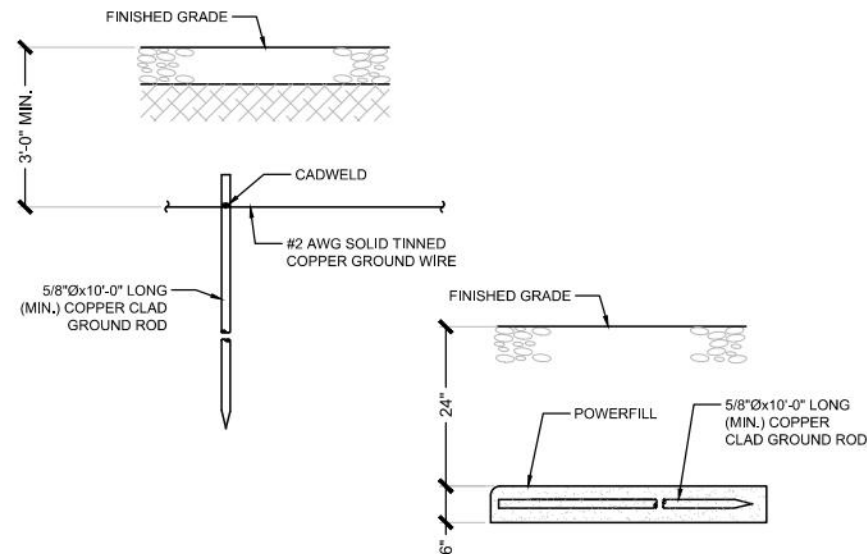
SCALE: NTS

1

GROUNDING AT ICE BRIDGE

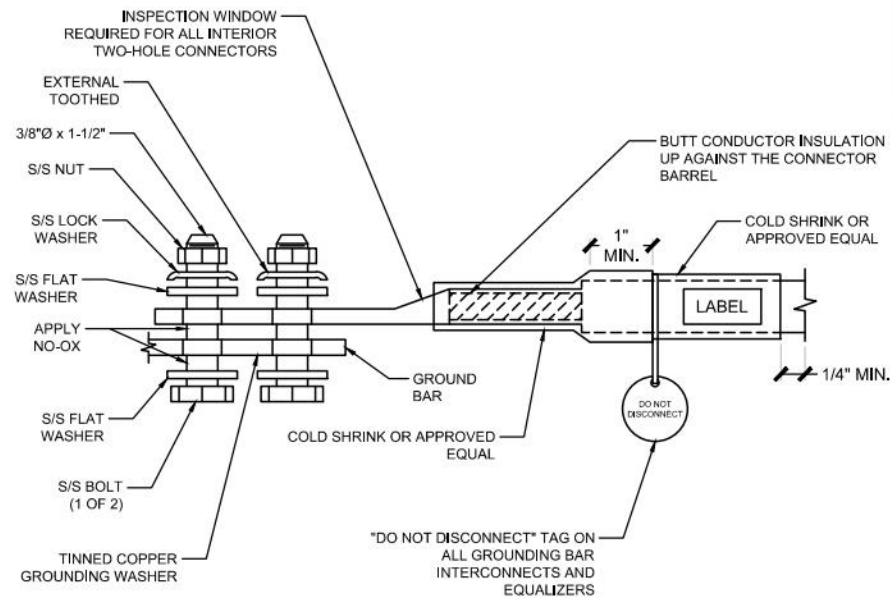
SCALE: NTS

2



NOTES:

- DIMENSION SHALL BE BELOW THE FROST LINE OR 24" MINIMUM.
- HORIZONTAL GROUND RODS ARE USED WHEN SOIL CONDITIONS ARE NOT FAVORABLE FOR VERTICAL GROUND RODS. IF IN DOUBT OF SOIL CONDITIONS, HORIZONTAL GROUNDING MAY BE ADDED TO VERTICAL.
- POWERFILL SHOULD BE MIXED WITH WATER PRIOR TO INSTALLATION.
- GROUND RODS ARE LAID END TO END IN GROUNDING TRENCH #2 SOLID RING (BEND UP TO 1' AND CADWELD TO #2 SOLID.
- CADWELD TO GROUND RING AFTER GROUND ROD HAS BEEN DRIVEN INTO PLACE.



NOTES:

- ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING BELLEVILLES. COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND BEFORE MATING.
- FOR GROUND BOND TO STEEL ONLY; INSERT A DRAGON TOOTH WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH ANTI-OXIDATION COMPOUND.
- COAT ALL BARRELS WITH ANTI-OXIDATION COMPOUND BEFORE CRIMPING.

GROUND ROD

SCALE: NTS

3

EXTERIOR 2-HOLE LUG DETAIL

SCALE: NTS

4

NOT USED

SCALE: NTS

5

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION. TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 BARE TINNED COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"x10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 BARE TINNED COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45°.
- EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-AT.
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE AT&T WIRELESS CONSTRUCTION MANAGER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 BARE TINNED COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY AN AT&T REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING. INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1" BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6' OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.

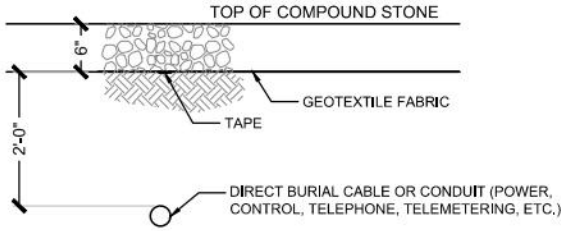
CABLE COLOR CODING NOTES:

- SECTOR ORIENTATION/AZIMUTH WILL VARY FROM REGION AND IS SITE SPECIFIC. REFER TO RF REPORT FOR EACH SITE TO DETERMINE THE ANTENNA LOCATION AND FUNCTION OF EACH TOWER SECTOR FACE.
- THE ANTENNA SYSTEM CABLES SHALL BE LABELED WITH VINYL TAPE EXCEPT IN LOCATIONS WHERE ENVIRONMENTAL CONDITIONS CAUSE PHYSICAL DAMAGE, THEN PHYSICAL TAGS ARE PREFERRED.
- THE STANDARD IS BASED ON EIGHT COLORED TAPES - RED, BLUE, GREEN, YELLOW, ORANGE, BROWN, WHITE, & VIOLET. THESE TAPES MUST BE 3/4" WIDE & UV RESISTANT SUCH AS SCOTCH 35 VINYL ELECTRICAL COLOR CODING TAPE AND SHOULD BE READILY AVAILABLE TO THE ELECTRICIAN OR SUBCONTRACTOR ON SITE.
- USING COLOR BANDS ON THE CABLES, MARK ALL RF CABLES BY SECTOR AND NUMBER AS SHOWN ON "CABLE MARKING COLOR CONVENTION TABLE".
- WHEN AN EXISTING COAXIAL LINE THAT IS INTENDED TO BE A SHARED LINE BETWEEN GSM/3G AND IS-136 TDMA IS ENCOUNTERED, THE SUBCONTRACTOR SHALL REMOVE THE EXISTING COLOR CODING SCHEME AND REPLACE IT WITH THE COLOR CODING AND TAGGING STANDARD THAT IS OUTLINED IN THE CURRENT VERSION OF ND-00027. IN THE ABSENCE OF AN EXISTING COLOR CODING TAGGING SCHEME, OR WHEN INSTALLING PROPOSED COAXIAL CABLES, THIS GUIDELINE SHALL BE IMPLEMENTED AT THAT SITE REGARDLESS OF TECHNOLOGY.
- ALL COLOR CODE TAPE SHALL BE 3M-35 AND SHALL BE A MINIMUM OR (3) WRAPS OF TAPE AND SHALL BE NEATLY TRIMMED AND SMOOTHED OUT SO AS TO AVOID UNRAVELING.
- ALL COLOR BANDS INSTALLED AT THE TOP OF TOWER SHALL BE A MINIMUM OF 3" WIDE AND SHALL HAVE A MINIMUM OF 3/4" OF SPACE IN BETWEEN EACH COLOR.
- ALL COLOR CODES SHALL BE INSTALLED AS TO ALIGN NEATLY WIT HONE ANOTHER FROM SIDE TO SIDE.
- IF EXISTING CABLES AT THE SITE ALREADY HAVE A COLOR CODING SCHEME AND THEY ARE NOT INTENDED TO BE REUSED OR SHARED WITH THE GSM TECHNOLOGY, THE EXISTING COLOR CODING SCHEME SHALL REMAIN UNTOUCHED.

CABLE MARKING TAGS:

WHEN USING THE ALTERNATIVE LABEL METHOD, EACH RF CABLE SHALL BE IDENTIFIED WITH A METAL ID TAG MADE OF STAINLESS STEEL OR BRASS. THE TAG SHALL BE 1-1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS INDICATING THE SECTOR, ANTENNA POSITION AND CABLE NUMBER. ID MARKING LOCATIONS SHOULD BE AS PER "CABLE MARKING LOCATIONS TABLE". THE TAG SHOULD BE ATTACHED WITH CORROSION PROOF WIRE AROUND THE CABLE AT THE SAME LOCATION AS DEFINED ABOVE. THE TAG SHOULD BE LABELED AS SHOWN ON THE "GSM AND UMTS LINE TAG" DETAIL.

CABLE MARKING LOCATIONS TABLE	
NO.	LOCATIONS
①	EACH JUMPER SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS.
②	EACH MAIN COAX SHALL BE COLOR CODED WITH (1) SET OF 3" WIDE BANDS AT THE TOP JUMPER CONNECTION AND WITH (1) SET OF 3/4" WIDE COLOR BANDS PRIOR TO ENTERING THE BTS OR SHELTER.
③	CABLE ENTRY PORT ON THE INTERIOR OF THE SHELTER.
④	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.
⑤	ALL BOTTOM JUMPERS SHALL BE COLOR CODED WITH (1) SET OF 3/4" WIDE BANDS ON EACH END OF THE BOTTOM JUMPER.



INSTALLATION

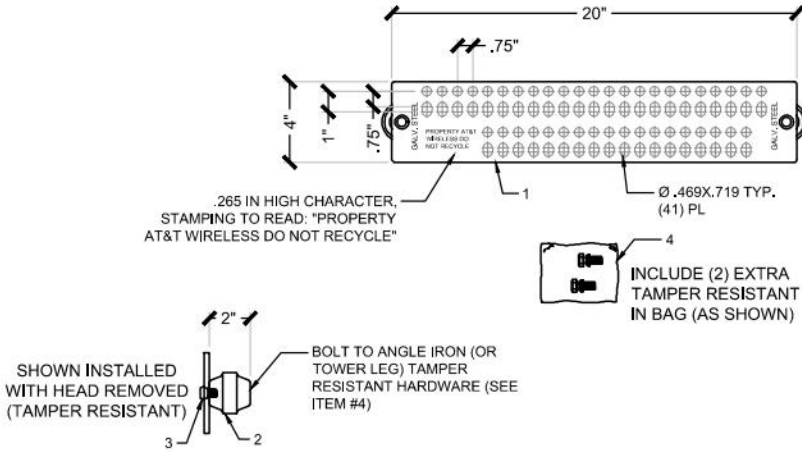
- THE TAPE SHALL BE LAID DIRECTLY ABOVE THE CABLE OR CONDUIT UNDER RIGID TYPE AND OIL MAT PAVEMENTS, AND DIRECTLY ON TOP OF THE COMPACTED EARTH SUBGRADE IMMEDIATELY BEFORE RESTORING THE PAVEMENT.
- IN OPEN AREAS, THE TAPE SHALL BE LAID DURING THE BACKFILLING OPERATION ON SMOOTH, COMPACTED BACKFILL AT A DISTANCE OF 8" BELOW THE SURFACE OF THE AREA.
- THE ENDS OF THE TAPE SHALL BE LAPPED APPROXIMATELY SIX (6) INCHES.
- TAPE SHALL BE THE COLOR AS INDICATED AND HAVE THE FOLLOWING MARKINGS:

RED	CAUTION BURIED ELECTRIC LINE BELOW	CAUTION	CAUTION
ORANGE	CAUTION BURIED TELEPHONE LINE BELOW	CAUTION	CAUTION

STANDARD MARKER TAPE DETAIL

SCALE: NTS

1



ITEM	PART NO.	PART DESCRIPTION	REQ
1	02-009-0672-000	20" GROUND BAR; STEEL; GALVANIZED	1
2	03-009-0118-000	2"x2" INSULATOR; FIBERGLASS	2
3	02-009-0633-000	3/8-16-5/8" TORQUE SHEAR HEAD BOLT (NON-REMOVABLE) WITH VIBRSEAL; STAINLESS STEEL (303)	3
4	02-009-0663-000 (SUB ASSEMBLY)	3/8-16X5/8" TORQUE SHEAR HEAD BOLT IN A STANDARD 4X6 BAG INCLUDES: (2) 3/8 16X5/8" TORQUE SHEAR HEAD BOLT (NON-REMOVABLE) WITH VIBRSEAL; STAINLESS STEEL (303) P/N 02-009-0603-000 (1) STANDARD 4"x6" BAG (P/N 03-009-0209-00)	1

EMC
ELECTRIC MOTION CO., INC.
110 GROPPA DR. / BOX 626
WINSTED, CT 06098
PART #EM SGM420-BI-NR

amentum
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PHILADELPHIA, PA 19104



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7	03/10/26	AJM	FOR REVIEW
8	03/23/26	AJM	FOR CONSTRUCTION
9	03/24/26	AJM	UPDATED REBAR
10	04/08/26	AJM	LANDSCAPE UPDATE



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SHEET NUMBER: REVISION:

G-4 10

GROUNDING NOTES

SCALE: NTS

2

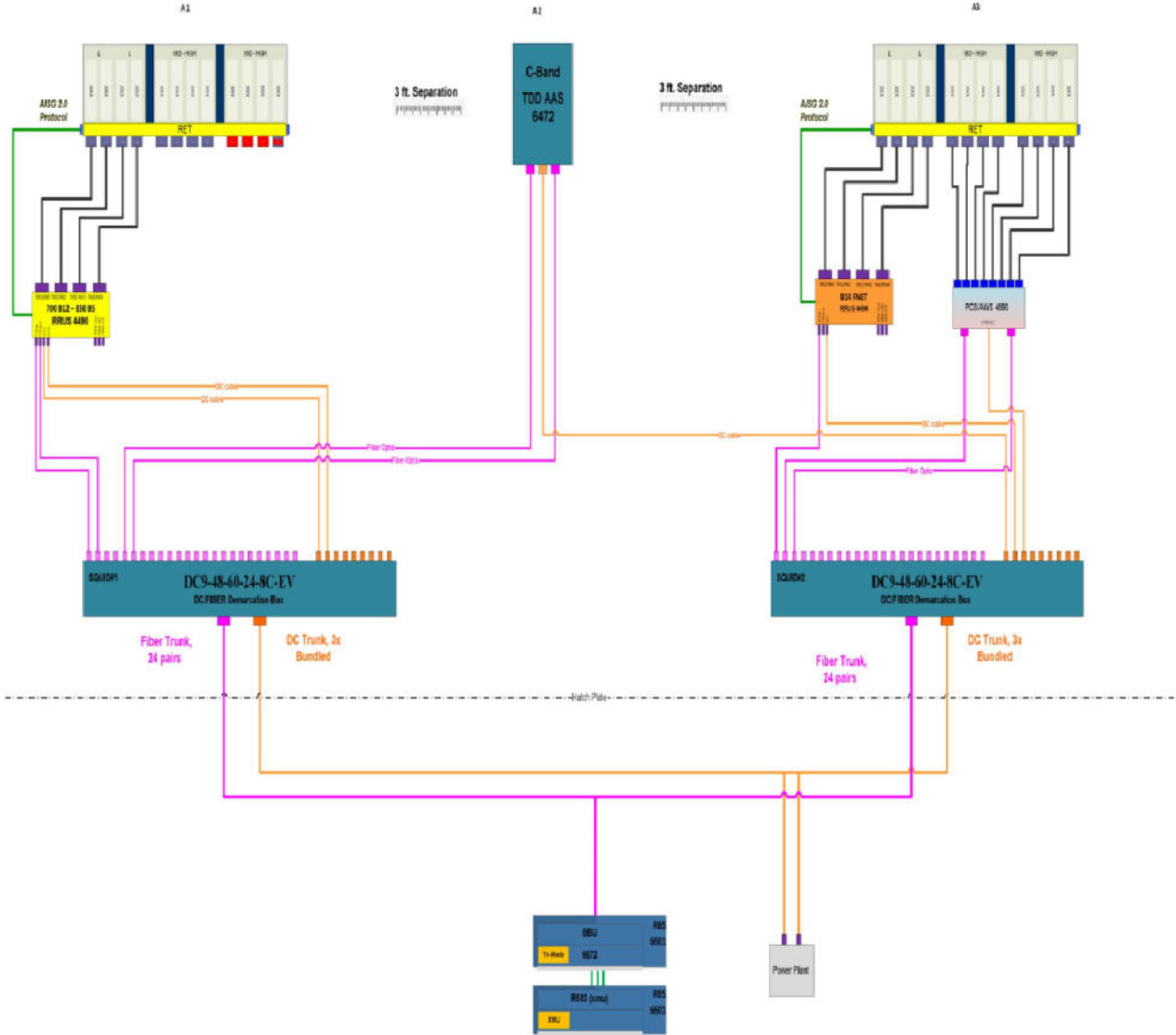
TOWER LEG BUS BAR DETAIL

SCALE: NTS

3

ANTENNA NUMBER	ANTENNA MODEL	ANTENNA VENDOR	AZIMUTH	ANTENNA CENTERLINE FROM GROUND	TMAS, RRHS & DIPLEXERS	SURGE ARRESTOR	COAXIAL FEEDER	
					MODEL		QTY./SIZE/TYPE	LENGTH
A1	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	80°	100'-0"	(1) 4490 B5/B12A	(2) RAYCAP DC9-48-60-24-8C-EV	(4) #6 AWG DC TRUNK (2) 24-PAIR FIBER TRUNK	140'
A2	AIR 6472 B77G B77M (36.4"x16.14"x7.5") (92.61 LBS)	ERICSSON	80°	100'-0"	INTEGRATED			
A3	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	80°	100'-0"	(1) 4494 B14/B29 (1) 4890 B25/B66			
A4	-	-	-	-	-			
B1	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	200°	100'-0"	(1) 4490 B5/B12A			
B2	AIR 6472 B77G B77M (36.4"x16.14"x7.5") (92.61 LBS)	ERICSSON	200°	100'-0"	INTEGRATED			
B3	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	200°	100'-0"	(1) 4494 B14/B29 (1) 4890 B25/B66			
B4	-	-	-	-	-			
G1	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	320°	100'-0"	(1) 4490 B5/B12A			
G2	AIR 6472 B77G B77M (36.4"x16.14"x7.5") (92.61 LBS)	ERICSSON	320°	100'-0"	INTEGRATED			
G3	NNH4-65B-R6H4 (71.97"x19.6"x7.76") (83.3 LBS)	COMMSCOPE	320°	100'-0"	(1) 4494 B14/B29 (1) 4890 B25/B66			
G4	-	-	-	-	-			

NOTES:
1. VERIFY ANTENNA DIMENSIONS WITH MANUFACTURER.
2. VERIFY FINAL ANTENNA MODEL WITH CURRENT VERSION OF THE AT&T RFDS.



ISSUED FOR:			
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