



Consideration of Lea County Resolution No. 22-APR-095R Regarding a Right-of-Way Permit to Windstream Communications for the Installation of 140 Foot Monopole Along Alabama Street

Representatives of Windstream Communications have requested Lea County to permit the installation of a 140 feet tall utility pole in the right-of-way of Alabama Street near the Pool Street intersection.

The proposed pole would be used for fixed wireless internet services. The proposed location was originally proposed on the west side of Pool Street. This location was not within Lea County Right-of-Way and could not be considered by Lea County. The proposed utility pole is not addressed in Ordinance No. 86 - Establishing Rules and Procedures Governing Use of County Right-Of-Way and therefore will be considered by the County Commission rather than staff.

Danny Ferguson (President-State Operations for KI Field Operations ILEC) and Johnny Ethridge (Director-Field Operations - or KI Field Operations ILEC) will be presenting on behalf of Windstream Communications.

Staff had concerns that the proposed 140 feet tall steel monopole will not be conducive to for other utilities to co-exist in the Right-of-Way in the future. Lea County desires to have aerial installed utilities to be located as close to the right-of-way as possible. When possible, communication and electrical installation occur on the same pole and same pole line. Installation of this pole could restrict the use of other utilities due to the inability of other utilities co-existing on the steel monopole.

There are no zoning or other restrictions due to airport siting issues that would be affected by this installation.

Flex Solutions has provided 3 examples of 100 feet tall monopole installations that have been permitted in Nebraska, Tennessee, and Montana.



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SITE NAME: KI_HBBSNM_RL02
SITE TYPE: UTILITY POLE
TOWER HEIGHT: 140'-0"

SITE ADDRESS: 5312 W. ALABAMA ST.
HOBBS, NM 88240
COUNTY: LEA

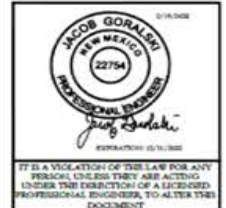


DRAWN BY: FLEX
CHECKED BY: WW

| REVISIONS | | | | |
|-----------|----------|------------------|----------|------|
| NO. | DATE | DESCRIPTION | INITIALS | FILE |
| 1 | 06/14/22 | ANTENNA ADDITION | | |
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NOT FOR CONSTRUCTION (ENRIS
LABELED AS CONSTRUCTION SET)

201787
5312 W. ALABAMA ST.
HOBBS, NM 88240
Digitally signed
by Jacob
Goralski
Date: 2022.02.15
07:30:02 -06'00'



SHEET TITLE
TITLE SHEET

SHEET NUMBER
G-001

SITE INFORMATION

IF USING 11"x17" PLOT, DRAWINGS WILL BE HALF SCALE

SITE ADDRESS: 5312 W. ALABAMA ST.
HOBBS, NM 88240
COUNTY: LEA
SITE NUMBER: 207787
STRUCTURE HEIGHT : 140'-0"
LATITUDE: 32.798552455
LONGITUDE: -105.20454362
LAT/LONG TYPE: NAD83
TOWER OWNER: WINDSTREAM

CUSTOMER INFORMATION

COMPANY: WINDSTREAM CORPORATION
ADDRESS: 4001 N RODNEY PARKWAY RD
LITTLE ROCK, AR 72112
CUSTOMER SITE NAME: KI_HBBSNM_RL02
CONTACT NAME: TBD
CONTACT MAIL: TBD
PHONE: TBD

PROJECT TEAM:

CONSTRUCTION MANAGER:
NAME: TBD
PHONE: TBD
MAIL: TBD
SITE ACQUISITION:
NAME: ERNEST SNYDER
PHONE: (609) 839-2995
MAIL: Ernest.Snyder@T3Broadband.com
TOWER OWNER CONTACT:
NAME: TBD
PHONE: TBD
MAIL: TBD

PROJECT DESCRIPTION

THESE DRAWINGS DEPICT NEW UTILITY POLE WITH ANTENNA
INSTALLATION TO PROVIDE HIGH SPEED INTERNET SERVICE IN
RURAL AREAS.

SHEET INDEX:

| SHEET | DESCRIPTION |
|-------|---|
| G-001 | TITLE SHEET |
| G-002 | GENERAL NOTES |
| C-101 | SITE PLAN |
| C-201 | ANTENNA LAYOUT PLANS & TOWER ELEVATIONS |
| C-301 | CONSTRUCTION DETAILS |
| C-302 | EQUIPMENT DETAILS |
| E-101 | ELECTRICAL PLAN |
| E-102 | ONE-LINE DIAGRAM AND DETAILS |
| E-103 | GROUNDING PLANS |
| E-104 | GROUNDING DETAILS |
| E-105 | GROUNDING DETAILS |

GENERAL NOTES

THE FACILITY IS NOT FOR HUMAN HABITATION. A TECHNICIAN WILL
VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT
WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON
DRAINAGE, NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH
DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

APPROVALS:

| | PRINT NAME | SIGNATURE | DATE |
|-------------|------------|-----------|-------|
| LANDLORD | _____ | _____ | _____ |
| CONST. MGR | _____ | _____ | _____ |
| PROJECT MGR | _____ | _____ | _____ |



DRIVING DIRECTIONS

FROM: LEA COUNTY REGIONAL AIRPORT
TO: 7319 W ALABAMA ST HOBBS, NM 88240
TAKE AIRPORT ENTRANCE RD TO US-180 E/US-62 E
HEAD SOUTH ON HOBBS AIRPORT RD
TURN LEFT TO STAY ON HOBBS AIRPORT RD
TURN LEFT TOWARD AIRPORT ENTRANCE RD
TURN LEFT ONTO AIRPORT ENTRANCE RD
TAKE NM-18 N TO W ALABAMA ST
TURN RIGHT ONTO US-180 E/US-62 E
TURN LEFT ONTO NW COUNTY RD
TURN LEFT ONTO NM-18 N
TURN RIGHT ONTO W ALABAMA ST
END AT: 7319 W ALABAMA ST HOBBS, NM 88240



THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS
CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT
SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES
NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT
SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL
THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL
DAMAGE MADE TO THE (S) UTILITIES BY THE CONTRACTOR
SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 CONSTRUCTED TO PERMIT WORK
NOT CONFORMING TO THESE CODES.
2011 NATIONAL ELECTRICAL CODE
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL MECHANICAL CODE
2012 INTERNATIONAL PLUMBING CODE
2012 LIFE SAFETY CODE (NFPA 101)
2012 INTERNATIONAL FIRE CODE
CITY AND/OR COUNTY ORDINANCES
LOCAL BUILDING CODE(S) ANSI BIA/71A 222-G

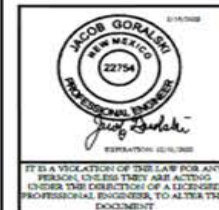


| | |
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| DRAWN BY: | FILE |
| CHECKED BY: | W |

| REVISIONS | | | |
|------------------|-------------|--------------------|-------------|
| NO. | DATE | DESCRIPTION | DWTG |
| 0 | 02/04/20 | ANTENNA ADDITION | PUE |
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**NOT FOR CONSTRUCTION UNLESS
LABELED AS CONSTRUCTION SET**

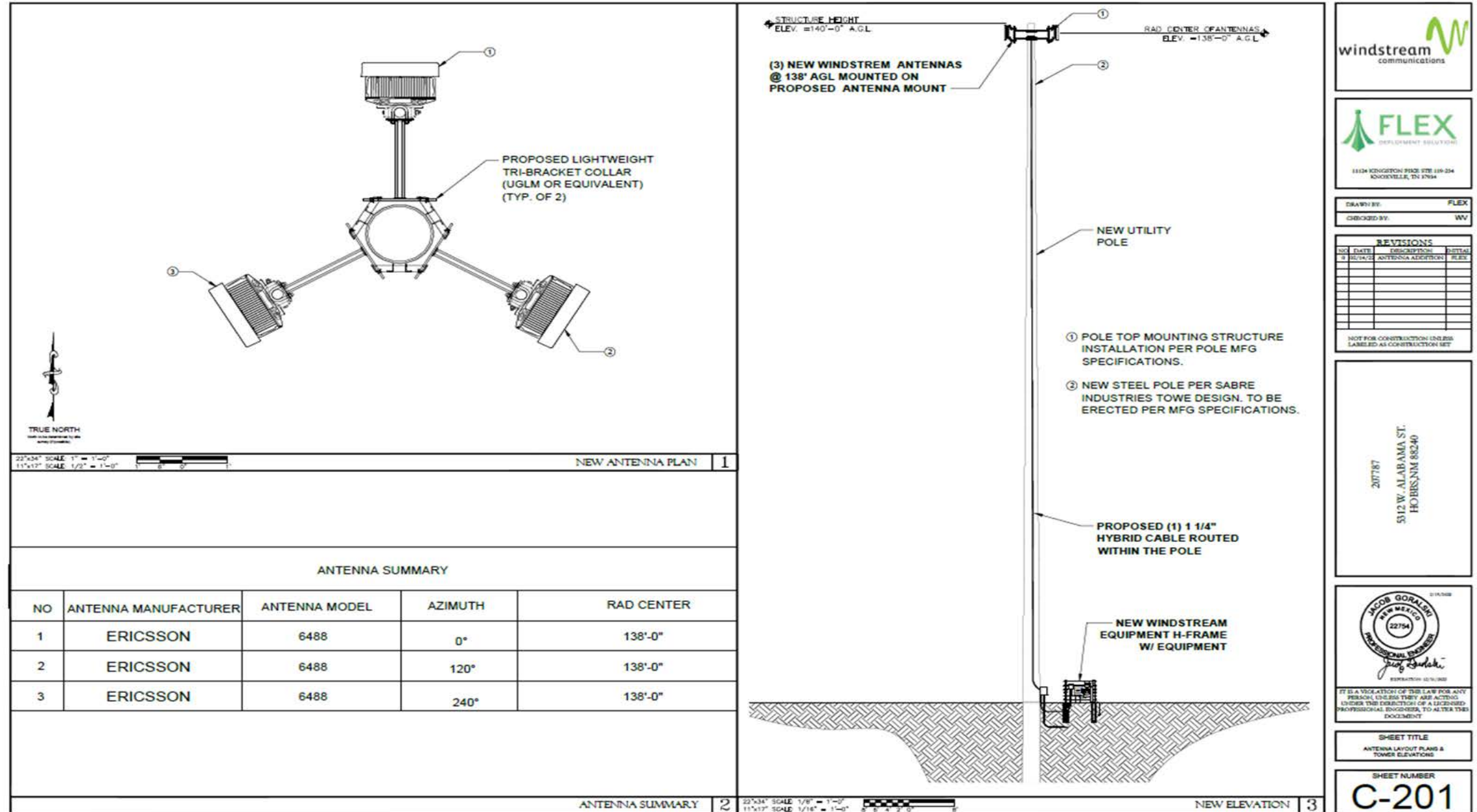
207787
5312 W. ALABAMA ST.
HOBBS, NM 88240



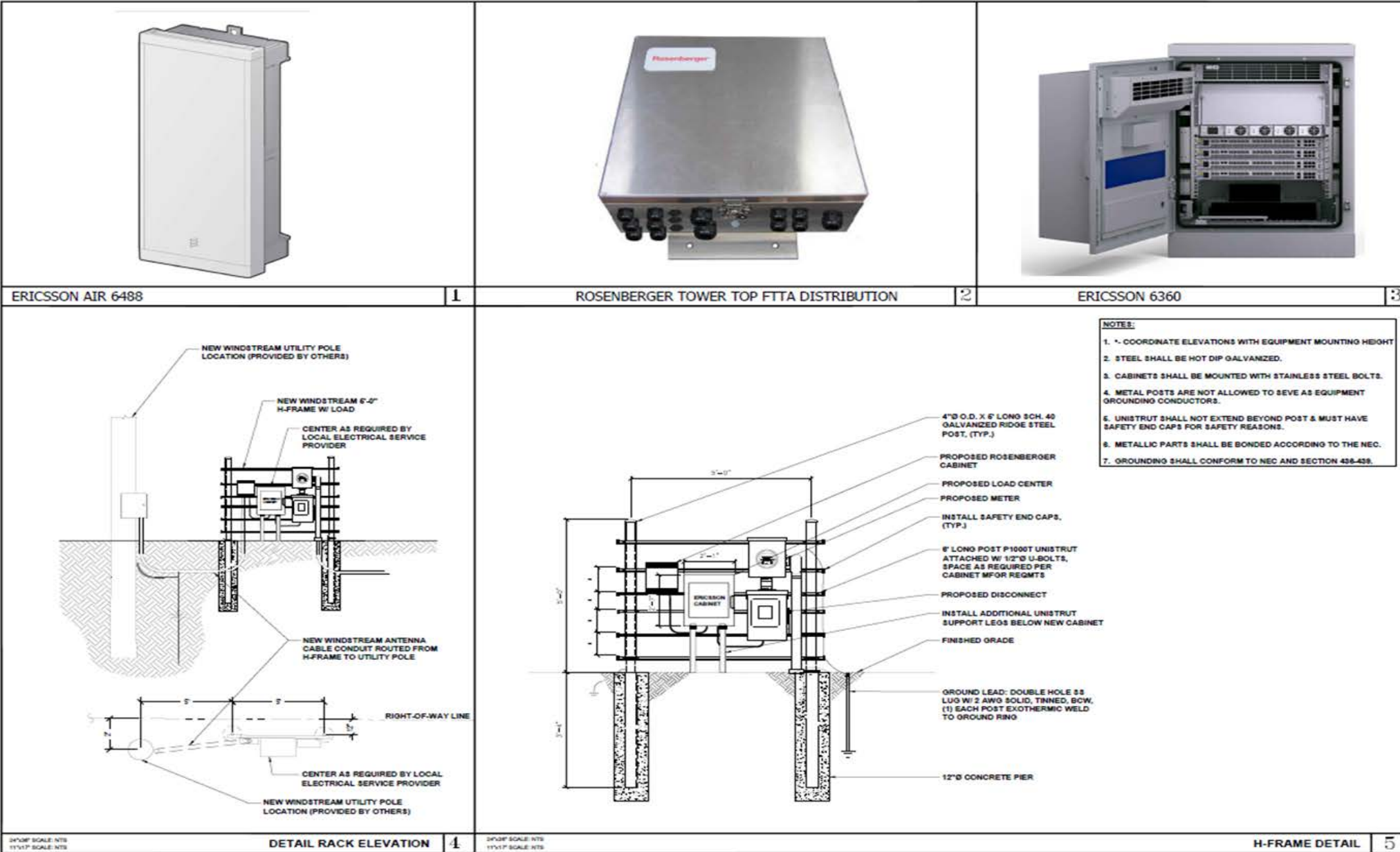
SHEET TITLE
SITE PLAN

SHEET NUMBER
C-101

Consideration of Lea County Resolution No. 22-APR-095R Regarding a Right-of-Way Permit to Windstream Communications for the Installation of 140 Foot Monopole Along Alabama Street



Consideration of Lea County Resolution No. 22-APR-095R Regarding a Right-of-Way Permit to Windstream Communications for the Installation of 140 Foot Monopole Along Alabama Street



11134 KNOXINGTON PIKE, STE 219-254
KNOXVILLE, TN 37934

DRAWN BY: FLEX

CHECKED BY: WV

| REVISIONS | | | |
|-----------|----------|--------------------|------|
| NO. | DATE | DESCRIPTION | BY |
| 1 | 05/14/22 | ANTENNA ALLOCATION | FLEX |

NOT FOR CONSTRUCTION UNLESS LABELED AS CONSTRUCTION SET

207787

5312 W ALABAMA ST.

HOBBBS, NM 88240

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

C-502

Consideration of Lea County Resolution No. 22-APR-095R Regarding a Right-of-Way Permit to Windstream Communications for the Installation of 140 Foot Monopole Along Alabama Street



Consideration of Lea County Resolution No. 22-APR-095R Regarding a Right-of-Way Permit to Windstream Communications for the Installation of 140 Foot Monopole Along Alabama Street



**LEA COUNTY BOARD OF COUNTY COMMISSIONERS****AGENDA ITEM SUMMARY FORM****LCBCC Meeting Date: Thursday, April 28, 2022**

Submit this summary form & all attachments to the Finance Director clow@leacounty.net & cc the Community Engagement Manager sstout@leacounty.net by: **Wednesday, April 20, 2022**

County Manager Approval mgallagher@leacounty.net required for all time sensitive issues that do not meet the above deadline.

| | |
|---|---|
| DATE SUBMITTED mm-dd-yyyy: 04/20/2022 | SUBMITTED BY Name, Title, Dept: |
| SUBJECT: Windstream request for installation of a 140' utility pole in Alabama Street Right of Way | ATTACHMENT(S): Construction Documents, Application |
| NO. OF ORIGINALS FOR SIGNATURE: 1 | ACTION REQUESTED: Action Item |
| BUDGET LINE ITEM NUMBER: | FISCAL BUDGET YEAR: Fy 21/22 |
| STRATEGIC PLAN Implementation of 5 Year Strategic Plan: | |
| SUMMARY: <p>Representatives of Windstream Communications have requested Lea County to permit the installation of a 140 feet tall utility pole in the right-of-way of Alabama Street near the Pool Street intersection.</p> <p>The proposed pole would be used for fixed wireless internet services. The proposed location was originally proposed on the west side of Pool Street. This location was not within Lea County Right-of-Way and could not be considered by Lea County. The proposed utility pole is not addressed in Ordinance No. 86 - Establishing Rules and Procedures Governing Use of County Right-Of-Way and therefore will be considered by the County Commission rather than staff.</p> <p>Danny Ferguson (President-State Operations for KI Field Operations ILEC) an Johnny Ethridge (Director-Field Operations - or KI Field Operations ILEC) will be presenting on behalf of Windstream Communications.</p> | |
| Requested Items Needed for Presentation Easels/Laptop/Projector/Etc.: Easel <input type="checkbox"/> Laptop <input checked="" type="checkbox"/> Projector <input checked="" type="checkbox"/> Other: _____ <small>If checked; how many:</small> | See Additional Summary Attached <input checked="" type="checkbox"/> |
| SUBMITTER'S RECOMMENDATION(S): Denial | Submitter's Signature Department Director, Etc. Corey Needham <small>Digitally signed by Corey Needham Date: 2022.04.20 12:59:43 -06'00'</small> |
| FINANCE REVIEW Fiscal Impact/Cost: There is no financial impact to Lea County with this agenda item. | Reviewed by Finance Director Henry C Low Jr <small>Digitally signed by Henry C Low Jr Date: 2022.04.20 14:51:09 -06'00'</small> |
| LEGAL REVIEW: (Note: Travel does not need legal review) | Reviewed by County Attorney |
| COUNTY MANAGER REVIEW: | Approved by County Manager to be Placed on Agenda |
| Item No. 0201 RECORDING SECRETARY'S USE ONLY ~ COMMISSION ACTION TAKEN | |
| Approved: _____ Denied: _____ Other: _____ Resolution No. <u>22-APR-095R</u> Policy No. _____ Ordinance No. _____ Continued To: _____ Referred To: _____ Comments: _____ | |

Summary Form Continued...

Staff had concerns that the proposed 140 feet tall steel monopole will not be conducive to for other utilities to co-exist in the Right-of-Way in the future. Lea County desires to have aerial installed utilities to be located as close to the right-of-way as possible. When possible, communication and electrical installation occur on the same pole and same pole line. Installation of this pole could restrict the use of other utilities due to the inability of other utilities co-existing on the steel monopole.

The are no zoning or other restrictions due to airport siting issues that would be affected by this installation.

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STATE OF NEW MEXICO
COUNTY OF LEA
RESOLUTION NO. 22-APR-095R

**A RESOLUTION APPROVING A RIGHT-OF-WAY PERMIT TO WINDSTREAM COMMUNICATIONS FOR
THE INSTALLATION OF 140 FEET MONOPOLE ALONG ALABAMA STREET**

WHEREAS, Lea County maintains and regulates the use of right-of-ways within Lea County; *and*

WHEREAS, representatives of Windstream Communications have applied to install a 140 feet tall steel monopole in Lea County right-of-way near the intersection of Alabama and Pool Streets; *and*

NOW, THEREFORE, BE IT HEREBY RESOLVED by the Board of County Commissioners of Lea County that the application for the use of right-of-way is hereby approved.

BE IT FURTHER RESOLVED that the Commission Chair and/or County Manager may finalize and sign any agreements consistent with the terms of this resolution.

PASSED AND APPROVED on this 28th day of April, 2022, by the Lea County Board of County Commissioners in an open meeting in Lovington, New Mexico.

LEA COUNTY BOARD OF COUNTY COMMISSIONERS

Dean Jackson (District 1), Chair
Voted: Yes No Abstain

Gary G. Eidson (District 3), Vice Chair
Voted: Yes No Abstain

Rebecca Long (District 2), Member
Voted: Yes No Abstain

Jonathan Sena (District 4), Member
Voted: Yes No Abstain

Pat Sims (District 5), Member
Voted: Yes No Abstain

ATTEST: Keith Manes
 Lea County Clerk

**APPROVED AS TO FORM AND LEGAL
SUFFICIENCY:**

By: _____
Teri Davis, Deputy Clerk

John W. Caldwell, County Attorney



APPLICATION FOR PERMIT TO
INSTALL UTILITY FACILITIES WITHIN
PUBLIC RIGHT OF WAY

() Renewal Permit

() Original Permit

Permit # _____

1) The **APPLICANT**:

Name of Company: FLEX Deployment Solutions

Contact Person: Blake Lowrance

Address: 11124 Kingston Pike, Suite 119-234, Knoxville, TN 37934

_____ Phone

Number: 704.904.4072

Email Address of Contact Person: blake.lowrance@flexdeploys.com

Herewith makes application to install following utility facility:

Utility Pole

(Water, sewer, oil, gas, steam, electric, telephone or other)

(Also give voltage, pressure, type of liquid if other than water or sewage)

In the following location:

West Alabama St Section _____ Township Hobbs Range _____

Road Name

2) For the purposes of this application "Within" shall be construed as meaning "on, over, across, under, above and along."

A. Road Superintendent" shall be construed as meaning the County Road Superintendent or his representative, hereinafter referred to as road superintendent.

B. "County" shall be construed as meaning: the "County of Lea, all governmental subdivisions, boards, commissions, agencies, officers and employees thereof."

C. Applicant" shall be construed as meaning: the "Individual, firm, corporation, association, governmental subdivision, or other organizations making this application, or the successors of any of the above."



D. "Board" shall mean Lea County Board of Commissioners.

E. "Utility facility" shall be construed as meaning, but not limited to, any publicly, privately, cooperatively, municipally or governmentally owned facility used for carriage, distribution or transmission of water, gas or electricity, either for power, or communications, oil and products carried by means of pipelines, conduits, wires, culverts, ditches or conveyors or other methods.

- 3) This application is for: Utility Pole installation

A "Crossing installation" is one where the smaller angle of intersection between the utility line and the centerline of the highway is greater than 45°; where the angle of intersection is less than 45° the installation will be deemed parallel.

- 4) Applicant proposes to install parallel utility facility 79' feet inside the Right of Way facility more than two (2) feet or sub-surface utility facility more than six (6) feet inside right of way line, give reasons for doing so: (Use additional page if needed.)
To be as far back from the main road as possible.

- 5) The top of all sub-surface crossing installations of utility facilities must be at least thirty-six (36) inches below lowest point of the highway cross-section along the alignment of the utility installation. The top of all parallel utility installations must be at least thirty-six (36) inches below grade along the alignment of the utility installation. If applicant proposes installation at lesser depth, give reasons: (Use additional page if needed.)

- 6) Applicant proposes to cross right of way which has finished permanent type surface pavement-asphalt, concrete, or similar paving, by **boring** or six (6) inch minimum pavement **cut**.

**Pavement cuts will not be permitted on any asphalt, concrete or chip sealed roadway.
Roadway cuts may be permitted on caliche roadway.**

Specify boring

- 7) There is attached hereto a diagrammatic or dimensioned drawing showing the location of proposed installation, width of right of way, height or depth of utility facility above or below grade, survey ties and other pertinent features. If application is for a parallel installation, the general status of land abutting right of way should be indicated as to buildup, irrigated, grazing, residential, and commercial and setbacks, etc. Installations on bridges or other highway structures require special detail drawings.

- 8) Applicant desires this permit to be in effect for 25 years. (see below)

Permits will not be issued for a period longer than 10 years except for public utilities which are for a period up to 25 years.

Permit must be renewed by Applicant upon expiration and the burden of timely renewal is on the Applicant.

- 9) The signing of the application by the director and return to Applicant shall validate this application as a permit.

- 10) All overhead installations, including parallel facilities, shall comply with the current National Electric Safety Code, and crossings shall be installed so

that the lowest member or portion of facility will be at least eighteen (18) feet above main traveled portion of highway.

- 11) All permits are granted subject to the following express conditions and by signing this application the Applicant signifies that Applicant has read, understand and will abide these conditions.
- 12) That no permit granted hereunder shall be construed as granting any easement or property right.
- 13) That the construction work to be undertaken pursuant to the permit herein applied for will be commenced no later than 15 of June, 2022 and completed no later than 15 of September, 2022.

(Cannot be longer than 60 days between issuance of permit and actual construction).

Notice of the actual commencement of construction shall be given to Lea County Road Department at (575) 391-2940 not less than three (3) days prior to commencement of construction unless waived by notation to this effect on the application; the Lea County Road Department shall make a final inspection to determine compliance with all conditions.

- 14) That installation of utility facilities within the right of way shall be in strict conformity with this application and drawings as the same may be modified by the Road Superintendent and no departure therefrom may be made without the written consent of the Road Superintendent and all construction shall be subject to the inspection and approval of the Road Superintendent. All facilities shall be so placed that they will not interfere with or endanger any existing facility already in the right of way or any highway structure.
- 15) That all construction work undertaken pursuant to this application will be so carried on that danger, inconvenience and delay to the traveling public will be held to a minimum and where interference with traffic is unavoidable, traffic control and safety precautions shall be in accordance with any safety code adopted by the Board.
- 16) That the Applicant will, except as otherwise ordered by the Road Superintendent, restore the highway right of way and all bridges or other structures thereon or adjacent thereto which have been altered or affected by the construction work performed hereunder, to the former condition or better so as not to interfere with the reasonable use of the highway right of way, bridge, or other structures.
- 17) That if any damage is caused to the highway right of way or to any bridge, structure or improvement thereon or adjacent thereto by reason of the installation, maintenance, alteration or removal of the facilities or other appurtenances of the Applicant, the Applicant will reimburse Board the full amount thereof promptly upon demand by the Road Superintendent; provided, however, that the obligations imposed under this paragraph shall not apply in the event the damage resulted from causes beyond the control of the Applicant.
- 18) **Utility owners shall carry insurance in amounts not less than those below:**
Insurance coverage in the amount of \$1,000,000.00 for each occurrence:
\$1,000,000.00 aggregate for Bodily Injury Liability and \$500,000.00 each occurrence;
\$1,000,000.00 aggregate for Property Damage Liability,
Written on a comprehensive General Liability Form or Commercial General Liability Form
which must include the following:
 - (a) Coverage for liability arising out of the operation of independent contractors;
 - (b) Completed operations Coverage;
 - (c) Attachment of the Broad Form Comprehensive General Liability Endorsement.
 - (d) Lea County as additional named insured.

If a utility is self-insured, the utility shall provide an Owner's Protective Liability Insurance Policy, in favor of Lea County, in the amounts below specified. **Lea County as additional named insured:** The utility, its contractor or subcontractor shall have the Lea County added as an additional named insured on the Comprehensive General Liability Form or Commercial General Liability Form furnished by the Utility.

- 19) The utility owner must indemnify and hold harmless Lea County from loss due to any negligent act of the utility, the utility's employees, any agent acting on the utility's behalf, and anyone else engaged by the utility to work on the utility installations, maintenance or relocations of their facilities. Any contractor or subcontractor engaged by the utility to perform utility installations or relocations in conjunction with or prior to highway construction must also indemnify and hold harmless Lea County from loss due to any negligent act of the utility's contractor or subcontractor.

Nothing herein shall be construed to mean that the Applicant hereunder will indemnify and save harmless the County from any claim caused by or incident to any neglect, carelessness or breach of duty on the part of the County.

- 20) That all such utility facilities installed within the right of way shall at all times be kept in such repair so as not to damage the highway, inconvenience or endanger the traveling public and shall be kept free from advertisements, posters and the like.
- 21) That if the Applicant should at any time fail to promptly and fully perform any of the obligations imposed upon Applicant hereby, and after thirty (30) days' written notice thereof, the Board may at its option (a) cause the obligations to be fully carried out and performed and the Applicant will promptly reimburse the Board for all costs and expenses incident thereto, (b) may summarily order the removal of such utility facility and if Applicant fails to comply within a reasonable time, the Board may direct the removal of the utility facility with all costs and expenses incident to be borne by Applicant.
- 22) That if by any reason of any change in the location, construction, grade or any other matter affecting the highway upon which any utility facility is located because of changing traffic conditions or otherwise, it shall become advisable in the opinion of Lea County that said utility facility be removed, relocated or otherwise modified, the Applicant, upon written notice from Lea County shall remove, relocate or modify such utility facility without undue delay in such manner as Lea County may direct or approve, at the applicant's expense and at no cost to Lea County. Lea County makes no express or implied as to the continued existence of any highway in any particular location and expressly assumes no obligation with regard to the facility upon change, vacation or abandonment of any highway or portion thereof.
- 23) All utility facilities to be installed on public right of way under the dual jurisdiction of the County and another governmental entity shall comply with all applicable rules and regulations of such government entity property and lawfully in force and including provisions of local franchises not in conflict with the rules and regulations of the County.
- 24) Neither the making of this application or anything herein contained shall constitute a waiver on the part of the Applicant of any rights or claims had or made by Applicant with respect to the occupancy of the streets and highways under the Constitution and Laws of the State of New Mexico nor shall anything herein contained in anywise prejudice or impair any rights or claims

existing independently of this application with respect to the construction, operation and maintenance of the Applicant's utility system in the County of Lea.

- 25) This application is hereby granted subject to the following special provisions, changes or amendments:
- 26) Applicant shall notify Road Superintendent of removal or discontinuance of use of utility facility or any portion thereof.
- 27) Applicant can expect **3 to 5 working days** from time application is received by the road department before a response to the permit.
- 28) The company requesting the permit is responsible for any failures due to the cut in the future on this road.
- 29) The company requesting the permit is responsible for all traffic control.
- 30) If for any reason what so ever that the regulations for cutting a Lea County Road are not followed, your company will be requested to bore all roads from then on. It is the responsibility of the company requesting the road crossing permit to see that all regulations are followed.

EXECUTED at Flex Deployment Solutions, this 28 day of january 2022.
(Location where signed)

FLEX Deployment Solutions
Company Name

By: Blake Lowrance
Applicant Signature

Title

REVIEWED & RECOMMENDED:

Nick Marinovich, Road Superintendent

APPROVAL of this permit is hereby given this
_____ day of _____, 20 ____.

Corey Needham, Director of Public Works

- Make check payable and mail to:
 - Lea County Treasurer
 - 5915 Lovington Hwy.
 - Hobbs, NM 88240

**Right of Way Application Permit Fees
Per Lea County
Ordinance No. 86**

Above Ground Use Permits:

| | | | |
|---------------------------------|--------------|-----------|-----------------|
| Non-Refundable Application Fee: | <u> X </u> | \$ 500.00 | <u>\$500.00</u> |
|---------------------------------|--------------|-----------|-----------------|

| | | | |
|---|-------|-----------|-------|
| Non-Refundable Application Renewal Fee: | _____ | \$ 500.00 | _____ |
|---|-------|-----------|-------|

| | | | |
|--|-------|------------|-------|
| Initial 90-day (or portion thereof) permit: Portion Charged | _____ | \$1,000.00 | _____ |
|--|-------|------------|-------|

| | | | |
|---|-------|------------|-------|
| Second 90-day (or portion thereof) permit: Portion Charged | _____ | \$2,400.00 | _____ |
|---|-------|------------|-------|

| | | | |
|--|-------|------------|-------|
| Third 90-day (or portion thereof) permit: Portion Charged | _____ | \$7,200.00 | _____ |
|--|-------|------------|-------|

Fees and Permits Other Than Above Ground:

| | | | |
|---|--------------|-----------|-----------------|
| Application for Use of County Right-of-way: | <u> X </u> | \$ 200.00 | <u>\$200.00</u> |
|---|--------------|-----------|-----------------|

Usage Fees:

| | | | |
|---|--------------|--------------------|----------------|
| Trenching and uses below ground level: 12 in. x 36 in. to 24 in. x 48 in.: | <u> X </u> | \$0.15/linear foot | <u>\$12.00</u> |
|---|--------------|--------------------|----------------|

| | | | |
|--------------------------|-------|--------------------|-------|
| Greater width and depth: | _____ | \$0.20/linear foot | _____ |
|--------------------------|-------|--------------------|-------|

| | | | |
|--|--------------|---------------|-----------------|
| Placement of facilities above ground: First 90 lineal feet: | <u> X </u> | \$ 150.00/min | <u>\$150.00</u> |
|--|--------------|---------------|-----------------|

| | | | |
|---------------------------|-------|---------------------|-------|
| More than 90 lineal feet: | _____ | \$ 1.50/linear foot | _____ |
|---------------------------|-------|---------------------|-------|

Service hook-ups:

| | | | |
|----------------------------|--------------|-----------|---------------|
| No pavement cut necessary: | <u> X </u> | \$ 100.00 | <u>100.00</u> |
|----------------------------|--------------|-----------|---------------|

| | | | |
|-------------------------|-------|-----------|-------|
| Pavement cut necessary: | _____ | \$ 150.00 | _____ |
|-------------------------|-------|-----------|-------|

Maintenance/Repair Permit:

| | | | |
|--|-------|-----------|-------|
| Excavation to exceed 250 feet: Plus Usage | _____ | \$ 250.00 | _____ |
|--|-------|-----------|-------|

| | | | |
|------------------------------------|-------|-----------|-------|
| Reinstatement of suspended permit: | _____ | \$ 250.00 | _____ |
|------------------------------------|-------|-----------|-------|

| | | | |
|---|-------|-----------|-------|
| Appeal Right of Way Administrator Decision: | _____ | \$ 100.00 | _____ |
|---|-------|-----------|-------|

Total Permit Fees Due: \$962.00

CALICHE ROAD CUTTING RULES

- 1) All caliche cut roads will be filled with flow-able back fill 6" from the top, then filled with 6" of ¾" base type caliche and compacted to a 96% compaction rate (ASTM D698).
- 2) All other existing regulations for road crossing permits will still apply.

FLOWABLE BACKFILL

Flowable Backfill is a concrete product that can be purchased at any local concrete mixing facility. This product is required by the Lea County Road Department as the only suitable product for compaction purposes pertaining to any type of road cuts made for the purpose of installing line crossings. Please look at the two different types of mixes listed below, one works well in hot weather and the other will speed drying and evaporation of the water content during winter use.

Summer

2 sack mix with 3/8 rock with 50 to 55 gallons of water per yard

Winter

3 sack mix with concrete sand with 30 to 35 gallons of water per yard.

Notice: A dryer mix (less water) other than what is recommended will not yield suitable results as far as compaction is concerned and will result in you having to replace the product. The mixing company will be able to tell you cost difference in the two products.

Please refer to the diagram on the next page for installation process required by the Road Department.

ROAD CROSSING REQUIREMENTS

- Minimum 3' (three foot) depth, lowest point in right-of-way
- Case full right-of-way
- Vents at each end
- Pipe line markers showing owner, address and phone #
- Survey plat with cross section ties

PARALLEL LINES

- Survey plat with section corner ties
- Minimum 3' (three foot) depth
- Minimum 7' (seven foot) from shoulder or edge of pavement
- Pipe line marker at 400' intervals with owner, address and phone #
- 95% compaction as determined by ASTM-1557
- Moisture content +/- 3% of optimum
- Back slope and shoulder free of all rocks 3" (three inch) and larger



SITE NAME: KI_HBBSNM_RL02
SITE TYPE: UTILITY POLE
TOWER HEIGHT: 140'-0"

SITE ADDRESS: 5312 W. ALABAMA ST.
HOBBS, NM 88240
COUNTY: LEA

| SITE INFORMATION | |
|--|--|
| IF USING 11"X17" PLOT, DRAWINGS WILL BE HALF SCALE | |
| SITE ADDRESS: | 5312 W. ALABAMA ST. HOBBS, NM 88240 |
| COUNTY: | LEA |
| SITE NUMBER: | 207787 |
| STRUCTURE HEIGHT : | 140'-0" |
| LATTITUDE: | 32.798552455 |
| LONGITUDE: | -103.20454362 |
| LAT/LONG TYPE: | NAD83 |
| TOWER OWNER: | WINDSTREAM |

| CUSTOMER INFORMATION | |
|----------------------|--|
| COMPANY: | WINDSTREAM CORPORATION |
| ADDRESS: | 4001 N RODNEY PARHAM RD LITTLE ROCK, AR 72212 |
| CUSTOMER SITE NAME: | KI_HBBSNM_RL02 |
| CONTACT NAME: | TBD |
| CONTACT MAIL: | TBD |
| PHONE: | TBD |

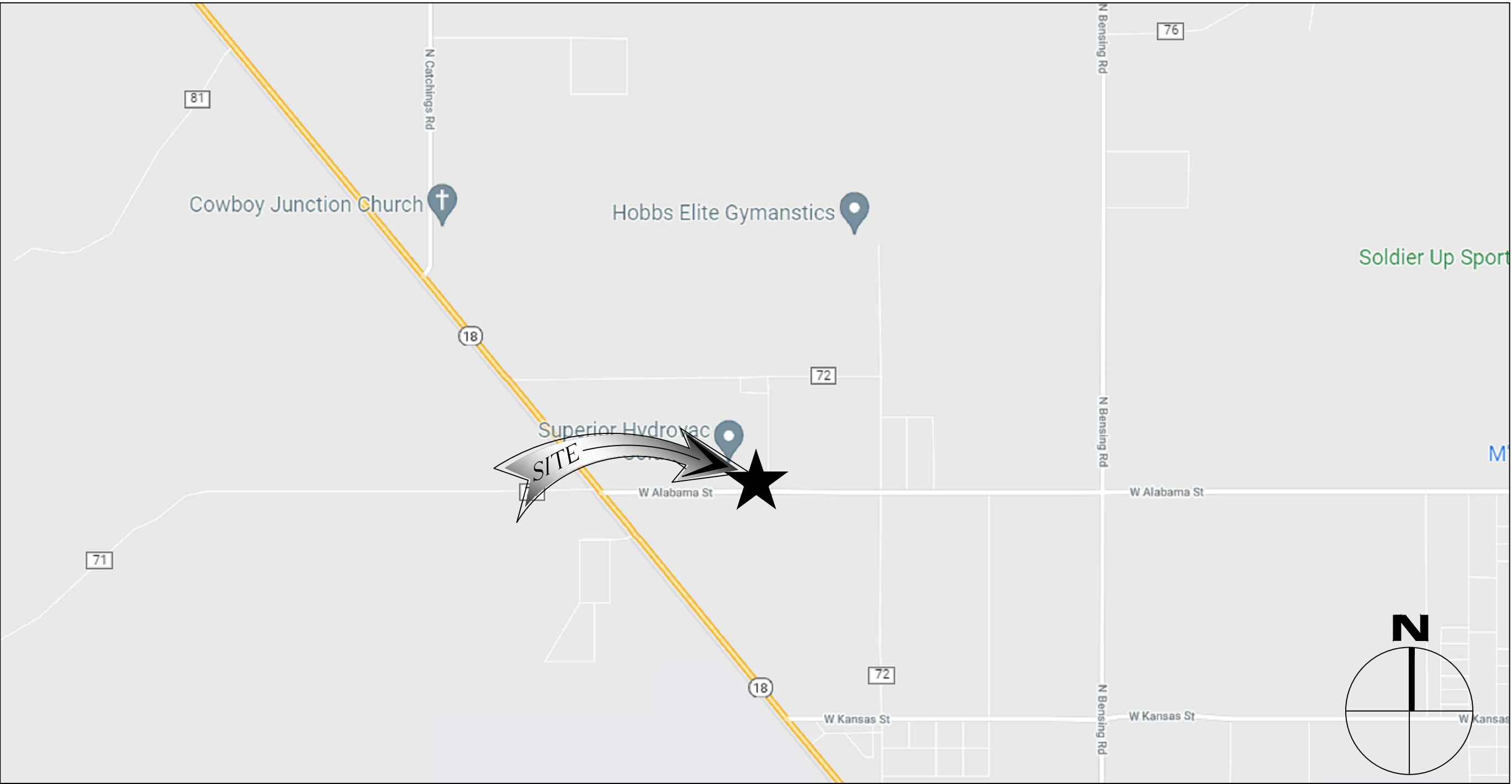
| PROJECT TEAM: | |
|-----------------------|-------------------------------------|
| CONSTRUCTION MANAGER: | SITE ACQUISITION: |
| NAME: TBD | NAME: ERNEST SNYDER |
| PHONE: TBD | PHONE: (609) 839-2995 |
| MAIL: TBD | MAIL: Ernest.Snyder@T3Broadband.com |
| TOWER OWNER CONTACT: | |
| NAME: TBD | |
| PHONE: TBD | |
| MAIL: TBD | |

| PROJECT DESCRIPTION | |
|---|--|
| THESE DRAWINGS DEPICT NEW UTILITY POLE WITH ANTENNA INSTALLATION TO PROVIDE HIGH SPEED INTERNET SERVICE IN RURAL AREAS. | |

| SHEET INDEX: | |
|--------------|---|
| SHEET: | DESCRIPTION : |
| G-001 | TITLE SHEET |
| G-002 | GENERAL NOTES |
| C-101 | SITE PLAN |
| C-201 | ANTENNA LAYOUT PLANS & TOWER ELEVATIONS |
| C-501 | CONSTRUCTION DETAILS |
| C-502 | EQUIPMENT DETAILS |
| E-101 | ELECTRICAL PLAN |
| E-102 | ONE-LINE DIAGRAM AND DETAILS |
| E-103 | GROUNDING PLANS |
| E-104 | GROUNDING DETAILS |
| E-105 | GROUNDING DETAILS |

| GENERAL NOTES | |
|---|--|
| THE FACILITY IS NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW. | |

| APPROVALS: | | | |
|-------------|------------|-----------|-------|
| | PRINT NAME | SIGNATURE | DATE |
| LANDLORD | _____ | _____ | _____ |
| CONST. MGR | _____ | _____ | _____ |
| PROJECT MGR | _____ | _____ | _____ |



| DRIVING DIRECTIONS | |
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| FROM: LEA COUNTY REGIONAL AIRPORT TO: 7319 W ALABAMA ST HOBBS, NM 88240 TAKE AIRPORT ENTRANCE RD TO US-180 E/US-62 E HEAD SOUTH ON HOBBS AIRPORT RD TURN LEFT TO STAY ON HOBBS AIRPORT RD TURN LEFT TOWARD AIRPORT ENTRANCE RD TURN LEFT ONTO AIRPORT ENTRANCE RD TAKE NM-18 N TO W ALABAMA ST TURN RIGHT ONTO US-180 E/US-62 E TURN LEFT ONTO NW COUNTY RD TURN LEFT ONTO NM-18 N TURN RIGHT ONTO W ALABAMA ST END AT: 7319 W ALABAMA ST HOBBS, NM 88240 | |

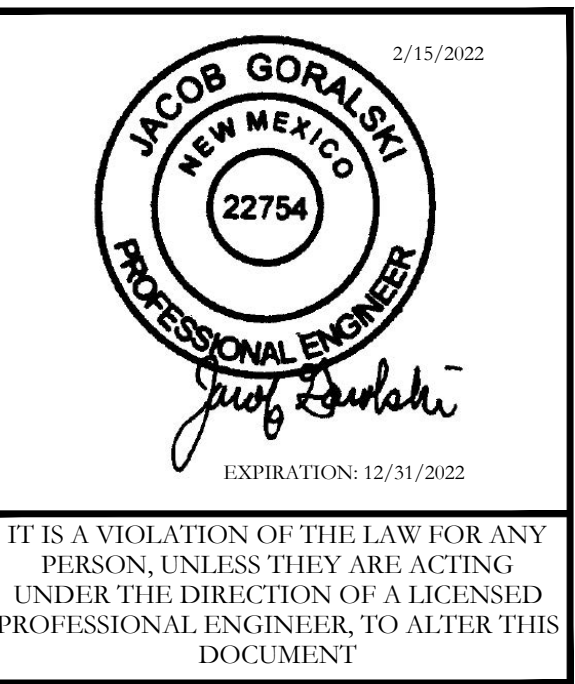
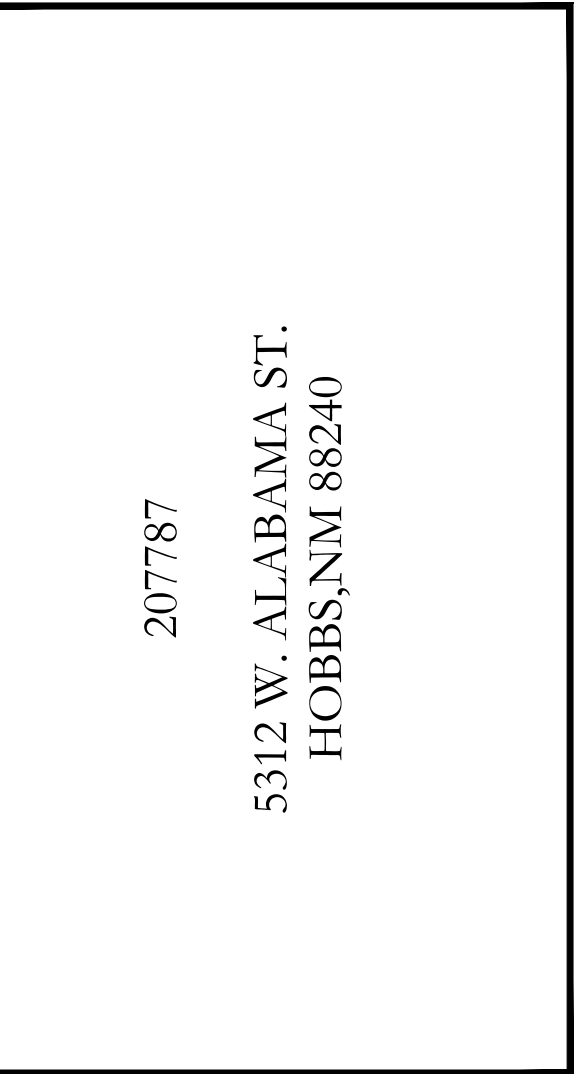
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| THE UTILITIES SHOWN HEREIN ARE FOR THE CONTRACTORS CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER/SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL THE UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO THE (E) UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. |

| APPLICABLE CODES | |
|--|--|
| ALL WORK AND MATERIALS SHALL BE PERFORMED AND 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 CONSTRUCTED TO PERMIT WORK NOT CONFORMING TO THESE CODES. 2011 NATIONAL ELECTRICAL CODE 2012 INTERNATIONAL BUILDING CODE 2012 INTERNATIONAL MECHANICAL CODE 2012 INTERNATIONAL PLUMBING CODE 2012 LIFE SAFETY CODE (NFPA 101) 2012 INTERNATIONAL FIRE CODE CITY AND/OR COUNTY ORDINANCES LOCAL BUILDING CODE(S) ANSI EIA/TIA 222-G | |



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| DRAWN BY: | FLEX |
| CHECKED BY: | WV |

| REVISIONS | | | |
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| NO | DATE | DESCRIPTION | INITIAL |
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|-------------|
| SHEET TITLE |
| TITLE SHEET |

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|--------------|
| SHEET NUMBER |
| G-001 |

GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DAMAGED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DAMAGED, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUI RED BY THE PROFESSIONAL LAND SURVEYORS ACT.
2. IMPORTANT NOTICE: CONTRACTOR SHALL CALL LOCAL UNDERGROUND LOCATE SERVICE THREE WORKING DAYS BEFORE ANY CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN PROPOSED EXCAVATIONS AND MUST MAINTAIN MINIMUM VERTICAL AND HORIZONTAL CLEARANCES AS CALLED FOR BY LOCAL CODES AND/OR ORDINANCES.
4. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY EXISTING STRUCTURES OR LANDSCAPING DAMAGED DURING CONSTRUCTION.
5. CONTRACTOR SHALL REPLACE OR REPAIR ALL TRAFFIC SIGNAL LOOPS, CONDUIT, AND LANE STRIPING DAMAGED DURING CONSTRUCTION.
6. THIS PROJECT WILL BE INSPECTED BY ENGINEERING AND FIELD ENGINEERING DIVISION.
7. ANY MANHOLES OR COVERS INSTALLED AS PART OF THIS PROJECT SHALL BE LABELED COMMUNICATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF AN EROSION CONTROL PLAN WHICH MEETS ALL APPLICABLE REQUIREMENTS OF STATE AND LOCAL AGENCIES HAVING JURISDICTION.
9. THE CONTRACTOR SHALL MAINTAIN MATERIALS AND EQUIPMENT ON SITE FOR UNFORESEEN SITUATIONS INCLUDING DAMAGE TO UNDERGROUND WATER, SEWER, AND STORM DRAIN FACILITIES WHICH COULD GENERATE FLOWS ABLE TO CAUSE EROSION AND SEDIMENT POLLUTION.

SPECIAL NOTES

1. INDEMNIFICATION CLAUSE: THE CONTRACTOR AGREES AND SHALL: ASSUME SOLE AND COMPLETE RESPONSIBILITY OF THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTIES. THESE REQUIREMENTS SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONDITIONS. THE CONTRACTOR FURTHER AGREES TO DEFEND INDEMNITY AND HOLD OWNER, REPRESENTATIVES, AND ENGINEERS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF THE WORK ON THIS PROJECT.
2. PRIOR TO START OF CONSTRUCTION AND THROUGH PROJECT COMPLETION, THE CONTRACTOR SHALL REMAIN IN FULL COMPLIANCE WITH CURRENT FEDERAL, STATE, AND LOCAL OCCUPATIONAL HEALTH AND SAFETY REGULATIONS.
3. ALL WORK SHALL CONFORM TO THE LATEST STANDARD "SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AS ADOPTED BY THE CITY, COUNTY OR STATE AND AS MODIFIED BY STANDARD PLANS AND ADDENDUMS.
4. ALL UTILITIES AND OTHER FACILITIES DEPICTED ON THE PLANS ARE BASED ON A SEARCH OF AVAILABLE RECORDS AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION START AND USE EXTREME CARE AND PROTECTIVE MEASURES TO AVOID DAMAGE TO ANY FACILITIES WETHER OR NOT INDICATED ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL FACILITIES WITHIN THE LIMITS OF WORK, WHETHER OR NOT DEPICTED ONT THESE PLANS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF ANY CITY, COUNTY OR STATE ENGINEER INSPECTION DEPARTMENT A MINIMUM TWO DAYS PRIO TO COMMENCEMENT OF ACTIVITY REQUIRING THEIRINVOLVEMENT.
6. THE EXPIRATION OF THE PERMIT FOR THIS PROJECT SHALL BE SPECIFIED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
7. ALL UNDERGROUND CONDUITS PLACED AS PART OF THIS PROJECT MUST HAVE A MINIMUM COVER OF 48 INCHES UNLESS OTHERWISE APPROVED.
8. THE CONTRACTOR SHALL TUNNEL ALL CURB AND GUTTERS AND BORE ALL CONCRETE DRIVEWAYS AND WALKWAYS AT TH E DIRECTION OF TH E CITY, COUNTY OR STATE ENGINEER HAVING JURISDICTION.
9. ALL PAVEMENT CUT OR DAMAGED AS PART OF THIS PROJECT SHALL BE REPLACED AT TH E DIRECTION OF TH E CITY, COUNTY OR STATE ENGINEER HAVING JURISDICTION.
10. ALL SHRUBS, PLANTS OR TREES DAMAGED OR DISTURBED DURING THE COURSE OF THE WORK, SHALL BE REPLANTED AND/OR REPLACED SO AS TO RESTORE THE WORK SITE TO ITS ORIGINAL CONDITION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCESSING OF ALL APPLICANT PERMIT FORMS ALONG WITH REQUIRED LIABILITY INSURANCE FORMS CLEARLY DEMONSTRATING OWNER, OWNER REPRESENTATIVES, ENGINEER, AND CITY, COUNTY OR STATE ARE ALSO INSURED WITH THE REQUIRED LIABILITY INSURANCE FOR THIS CONSTRUCTION PROJECT.
12. ALL SUBSURFACE STRUCTURES INCLUDING BUT NOT LIMITED TO VAULTS, PEDESTALS, AND CONDUITS SHALL BE AS SPECIFIED IN THESE PLANS OR AS SPECIFIED BY THE ENGINEER. ANY DEVIATONS SHALL BE APPROVED BY THE ENGINEER IN WRITING PRIOR TO INSTALLATION.
13. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO SEWER LATERALS AND WATER SERVICES, BOTH VERTICAL AND HORIZONTAL, PRIOR TO COMMENCING IMPROVEMENT OPERATIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETION OF EXPLORATION EXCAVATIONS CONDUCTED FOR THE PURPOSE OF LOCATING EXISTING FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS AS REQUIRED.
15. LOCATIONS OF EXISTING UTILITES ON THESE PLANS ARE BASED UPON EXISTING RECORDS VERIFIED WHERE POSSIBLE WITH FIELD TIES. CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF LOCATIONS SHOWN, BOTH HORIZONTAL AND VERTICALLY. PRIOR TO CONSTRUCTION, SUBSTANTIAL VARIANCES FROM THE PLANS SHALL BE COMMUNICATED TO THE ENGINEER TO FACILITATE CHANGES TO CONSTRUCTION DRAWINGS AS REQUIRED.

EROSION AND SEDIMENT CONTROL NOTES

TEMPORARY EROSION/SEDIMENT CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS SHALL BE INSTALLED BY CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

1. ALL REQUIREMENTS OF THE CITY, COUNTY AND STATE "STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY TECHNICAL REPORT (WQTR), AND/ OR WATER POLLUTION CONTROL PLAN (WPCP).
2. A GRAVEL BAG SILT BASIN SHALL BE INSTALLED IMMEDIATELY UPSTREAM OF STORM DRAIN INLETS AS INDICATED ON DETAILS.
3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES. THE CONTRACTOR SHALL INSURE WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
7. THE CONTRACTOR SHALL MAINTAIN EQUIPMENT AND WORKERS FOR EMERGENCY WORK AT ALL TIMES DURING THE RAINY SEASON. MATERIALS NECESSARY FOR EMERGENCY MEASURES SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
8. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY/COUNTY/STATE ENGINEER OR RESIDENT ENGINEER FOLLOWING ANY RUN-OFF PRODUCING RAINFALL.
9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE AND TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HERON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
12. UPON COMPLETION OF WORK EACH DAY, GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE.
13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
14. GRADING, INCLUDING CLEARING AND GRUBBING SHALL ONLY BE CONDUCTED IN AREAS WHERE THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/DEDIMENT CONTROL MEASURES.

ROW GROUND CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL REMOVE/CLEAN ALL DEBRIS, NAILS, STAPLES, OR NON-USED VERTICALS OFF THE POLE.
2. ALL WORK SHALL BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, STATE, AND FEDERAL STANDARDS AND REGULATIONS.
3. THE CONTRACTOR SHALL CALL LOCAL UNDERGROUND LOCATE SERVICE THREE WORKING DAYS BEFORE ANY CONSTRUCTION IS STARTED.
4. ALL EXISTING LANDSCAPING SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
5. ALL EQUIPMENT SHALL BE BONDED.
6. IF A METERING CABINET IS INSTALLED, A MINIMUM 3' CLEARANCE IS REQUIRED AT DOOR OPENING.
7. IF A METERING CABINET IS INSTALLED, THE CONTRACTOR SHALL CAULK THE CABINET BASE AT THE PAD.

STANDARD GROUNDING NOTES:

1. GROUND SHALL BE TESTED AT 25 OHMS OR LESS.
2. GROUND RODS SHALL BE 5/8X8'. ATTACHMENT TO GROUND RODS SHALL BE EXOTHERMIC WELD OR UL LISTED DIRECT BURY CLAMP BELOW GRADE.
3. BURIED GROUND AND BONDING WIRE SHALL BE #6 AWG.
4. MOLDING SHALL BE STAPLED EVERY 1' AND AT EACH END.

STANDARD CONDUIT NOTES:

1. SCHEDULE 40 CONDUIT SHALL BE USED UNDERGROUND.
 2. SCHEDULE 80 CONDUIT SHALL BE USED FOR RISERS.
 3. RISERS SHALL BE ATTACHED TO POLE WITH STANDARD U-CLAMPS AND LAG SCREWS.
 4. RISER U-CLAMPS TO BE INSTALLED EVERY 5'.
 5. FOR UG POWER INSTALLATIONS, 2" SDR-11 RED CONDUIT SHALL BE UTILIZED.
 6. GROUND WIRE MOLDING STAPLES MAY BE BE UTILIZED FOR ATTACHING CONDUIT LESS THAN 1" DIAMETER.
 7. ALL CONDUIT SHALL BE PROOFED WITH A MANDREL AND EQUIPPED WITH A PULL ROPE OR MULE TAPE.
5. WARNING TAPE SHALL BE INSTALLED 1'-0" ABOVE ALL CONDUITS. #18 WARNING TAPE SHALL BE INSTALLED ABOVE GROUND RING.

ROW UTILITY POLE CONSTRUCTION NOTES:

1. BOLT THREADS SHALL NOT PROTRUDE MORE THAN 1-1/2"
2. HOLES LEFT IN POLE DUE TO REARRANGEMENT OF CLIMBERS SHALL BE FILLED.
3. CLIMB STEPS ADJACENT TO CONDUIT SHALL HAVE EXTENDED STEPS.
4. CABLE SHALL NOT IMPEDE 15" CLEAR SPACE OFF POLE FACE (12:00).
5. 90° SHORT SWEEPS SHALL BE USED UNDER ANTENNA ARM. CABLES MUST TRANSISTION ON THE INSIDE OR BOTTOM OF ARMS. (NO CABLE SHALL BE INSTALLED ON TOP OF ARMS.)
6. CABLE CLAMPS SHALL BE UTILIZED TO SECURE CABLE TO ARMS; 2" CARRIER CABLE ID TAGS SHALL BE PLACED ON BOTH SIDES OF ARMS.
7. UTILIZE A 90° CONNECTOR AT CABLE CONNECTION TO ANTENNA.
8. 1/2" CABLE TO BE UTILIZED UNLESS NOTED OTHERWISE.
9. VOIDS AROUND CABLES AT CONDUIT OPENINGS SHALL BE FILLED WITH FOAM SEALANT TO PREVENT WATER INTRUSION.





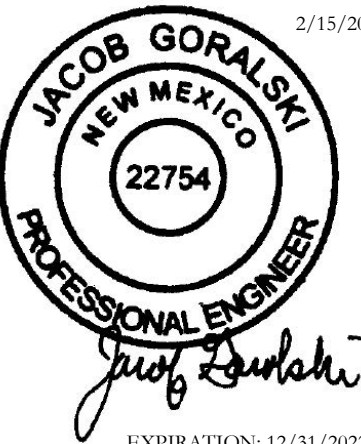
11124 KINGSTON PIKE STE 119-234
KNOXVILLE, TN 37934

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| DRAWN BY: | FLEX |
| CHECKED BY: | WV |

| REVISIONS | | | |
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| NO | DATE | DESCRIPTION | INITIAL |
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207787

5312 W. ALABAMA ST.
HOBBBS,NM 88240



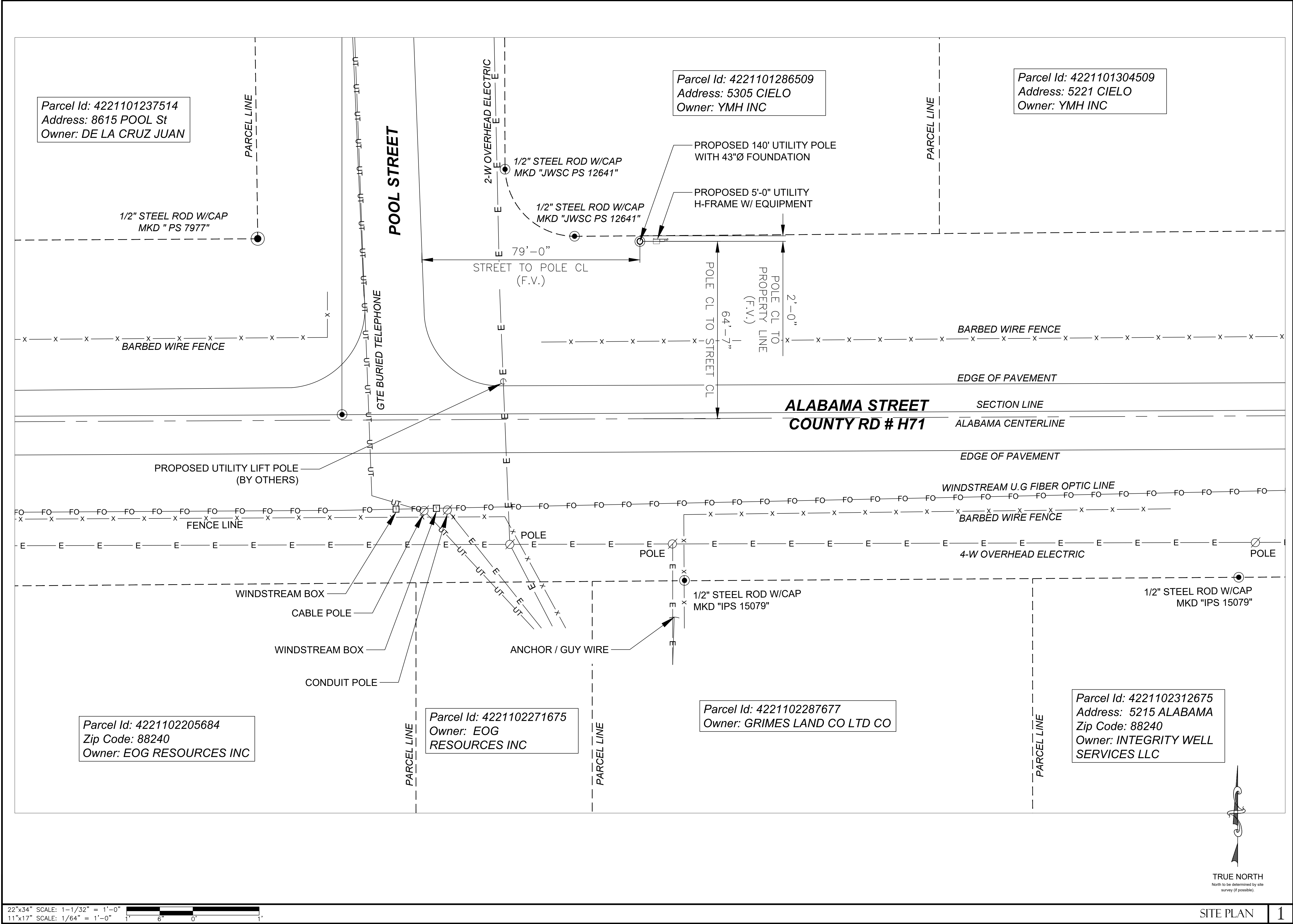
IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

G-002



22"x34" SCALE: 1-1/32" = 1'-0"
11"x17" SCALE: 1/64" = 1'-0"

SITE PLAN

1

11124 KINGSTON PIKE STE 119-234
KNOXVILLE, TN 37934

11124 KINGSTON PIKE STE 119-234
KNOXVILLE, TN 37934

DRAWN BY: FLEX

CHECKED BY: WV

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| NO | DATE | DESCRIPTION | INITIAL |
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NOT FOR CONSTRUCTION UNLESS
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207787

5312 W. ALABAMA ST.
HOBBS, NM 88240

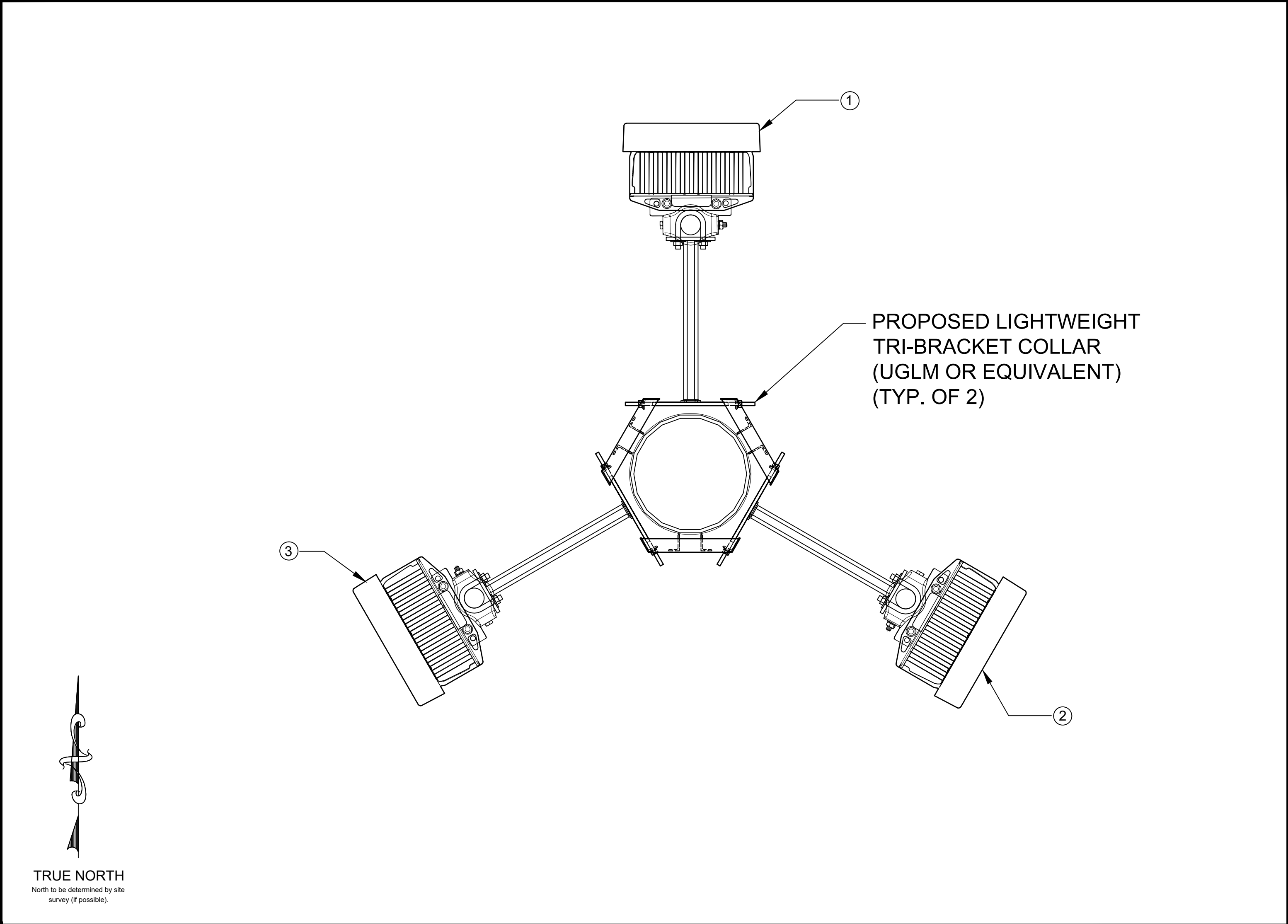
IT IS A VIOLATION OF THE LAW FOR ANY
PERSON, UNLESS THEY ARE ACTING
UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, TO ALTER THIS
DOCUMENT

SHEET TITLE

SITE PLAN

SHEET NUMBER

C-101



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

NEW ANTENNA PLAN

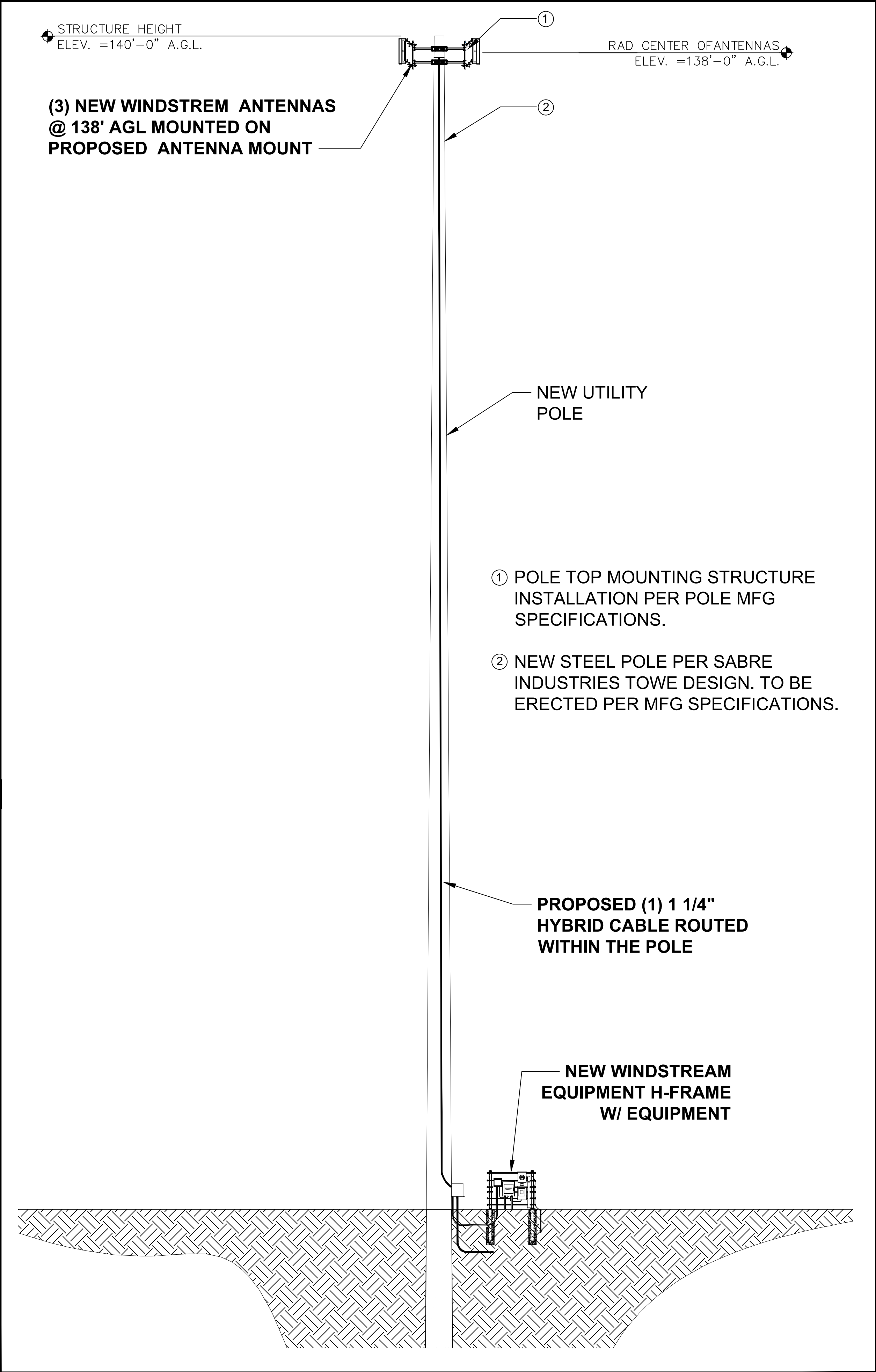
1

| ANTENNA SUMMARY | | | | |
|-----------------|----------------------|---------------|---------|------------|
| NO | ANTENNA MANUFACTURER | ANTENNA MODEL | AZIMUTH | RAD CENTER |
| 1 | ERICSSON | 6488 | 0° | 138'-0" |
| 2 | ERICSSON | 6488 | 120° | 138'-0" |
| 3 | ERICSSON | 6488 | 240° | 138'-0" |

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

ANTENNA SUMMARY

2



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

NEW ELEVATION

3

11124 KINGSTON PIKE STE 119-234
KNOXVILLE, TN 37934

DRAWN BY: FLEX

CHECKED BY: WV

| REVISIONS | | | |
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| NO | DATE | DESCRIPTION | INITIAL |
| 0 | 02/14/22 | ANTENNA ADDITION | FLEX |
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207787

5312 W. ALABAMA ST.
HOBBS, NM 88240

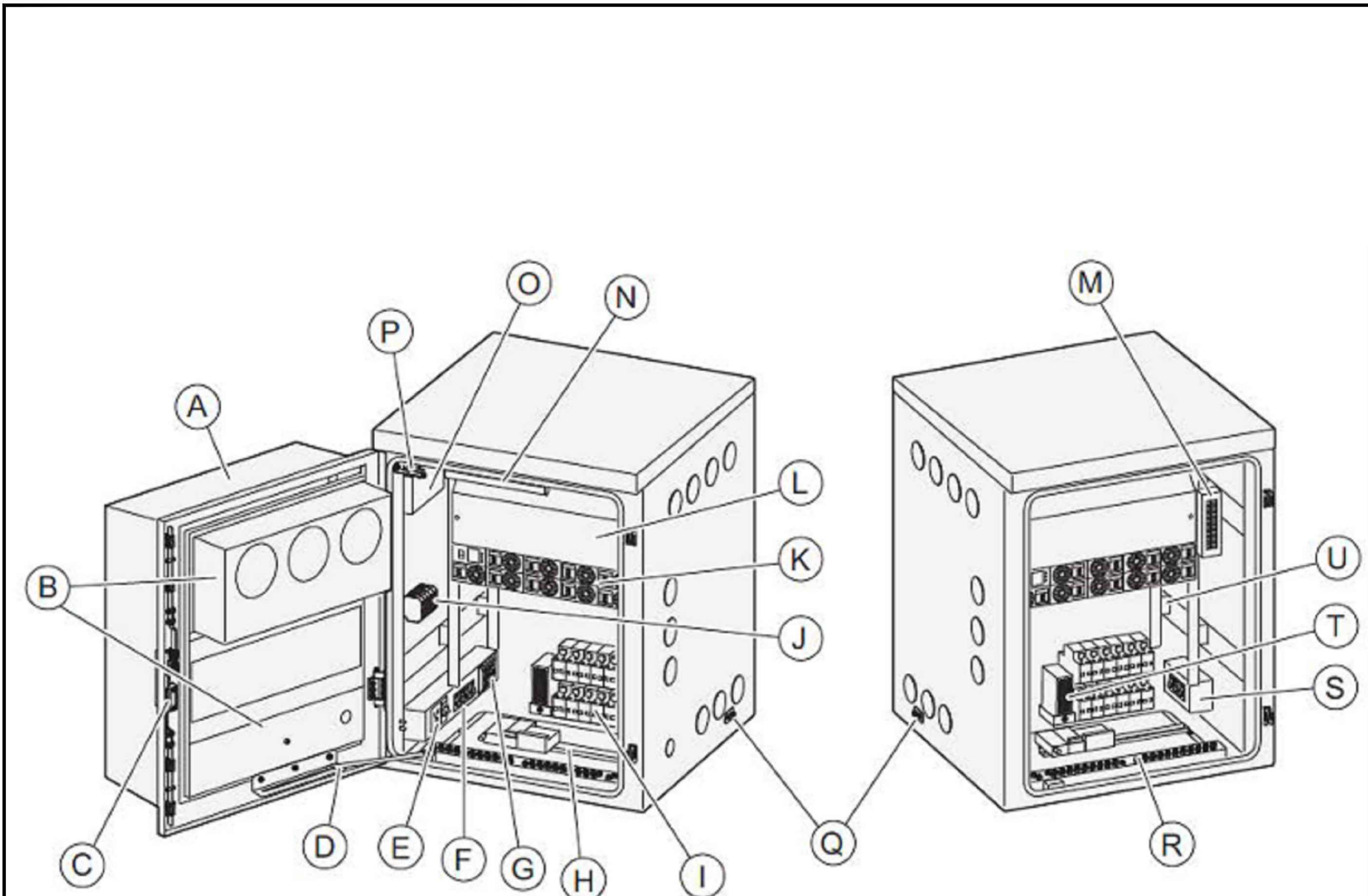
IT IS A VIOLATION OF THE LAW FOR ANY
PERSON, UNLESS THEY ARE ACTING
UNDER THE DIRECTION OF A LICENSED
PROFESSIONAL ENGINEER, TO ALTER THIS
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SHEET TITLE

ANTENNA LAYOUT PLANS &
TOWER ELEVATIONS

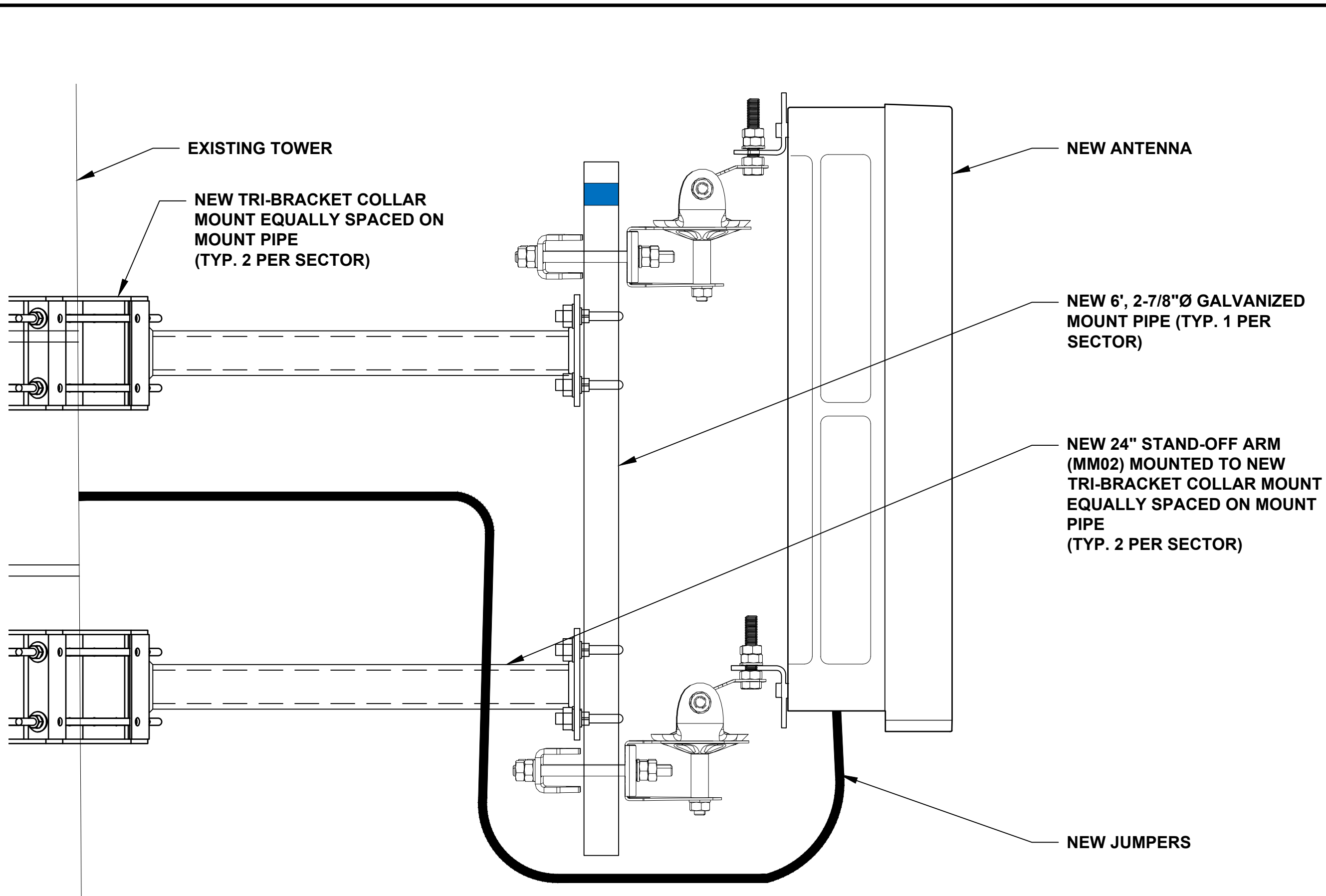
SHEET NUMBER

C-201



| Position | Name of Unit | Description |
|----------|--|--|
| A | Cabinet door | Cabinet door including HEX climate system. |
| B | HEX climate system | Climate system including three internal fans, three external fans, climate control board, temperature sensor, and a heater (optional). The internal fans are located behind a cover on the upper part of the door. The external fans are located behind a cover on the lower part of the door. |
| C | Cylinder lock | Lock for cabinet door. |
| D | Door latch | The latch holds the door in position. |
| E | AC service outlet | AC service outlet and Residual Current Breaker (RCB). |
| F | AC circuit breakers, AC input terminal | Incoming AC power interface. |
| G | AC SPD | The SPDs protect the power system from lightning and surge. |

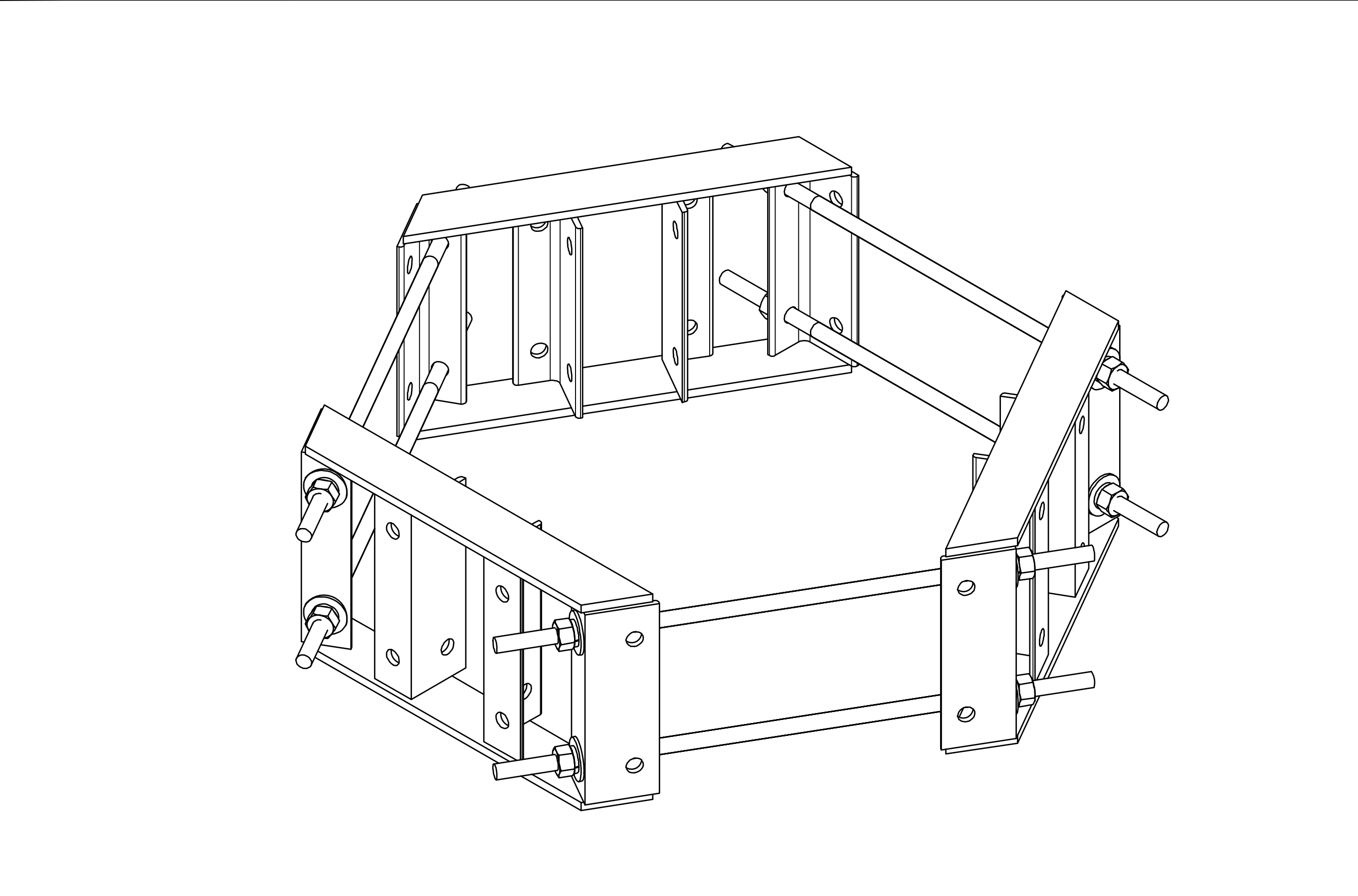
| Position | Name of Unit | Description |
|----------|----------------------------------|--|
| H | DIN rail | DIN rail to be used for installing optional equipment, such as OVP and GNSS. |
| I | DIN rail | DIN rail to be used for installing optional equipment, such as DC SPDs. |
| J | AC terminal | AC terminal |
| K | Power subrack | Includes DC distribution unit, power controller and rectifiers. |
| L | DCDU | DC distribution unit including 21 circuit breakers. |
| M | SCU | Remote control and monitor of the enclosure through Internet Protocol (IP) connectivity. |
| N | Internal lamp | Service lamp to facilitate installation and maintenance work. |
| O | Fuses | Fuses for internal equipment such as climate system, SCU, and heater. |
| P | Door switch and light switch | The door switch sends an alarm signal to indicate door open when the door is open. The light switch turns the light on or off when the door is opened or closed. |
| Q | External grounding point | The grounding connection point comprises an Main Earthing Terminal (MET). |
| R | Internal grounding bar | Grounding bar that comprises the MET. Also used to connect the cable shield from signal cables. |
| S | Battery input terminal | Battery power interface. |
| T | DC Heater | The DC heater. |
| U | User space for 19-inch equipment | User space compartment for optional 19-inch equipment. |



N.T.S.

ANTENNA MOUNT DETAIL

2



N.T.S.

TRI-COLLAR BRACKET MOUNT ISOMETRIC

3

11124 KINGSTON PIKE STE 119-234
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2/15/2022

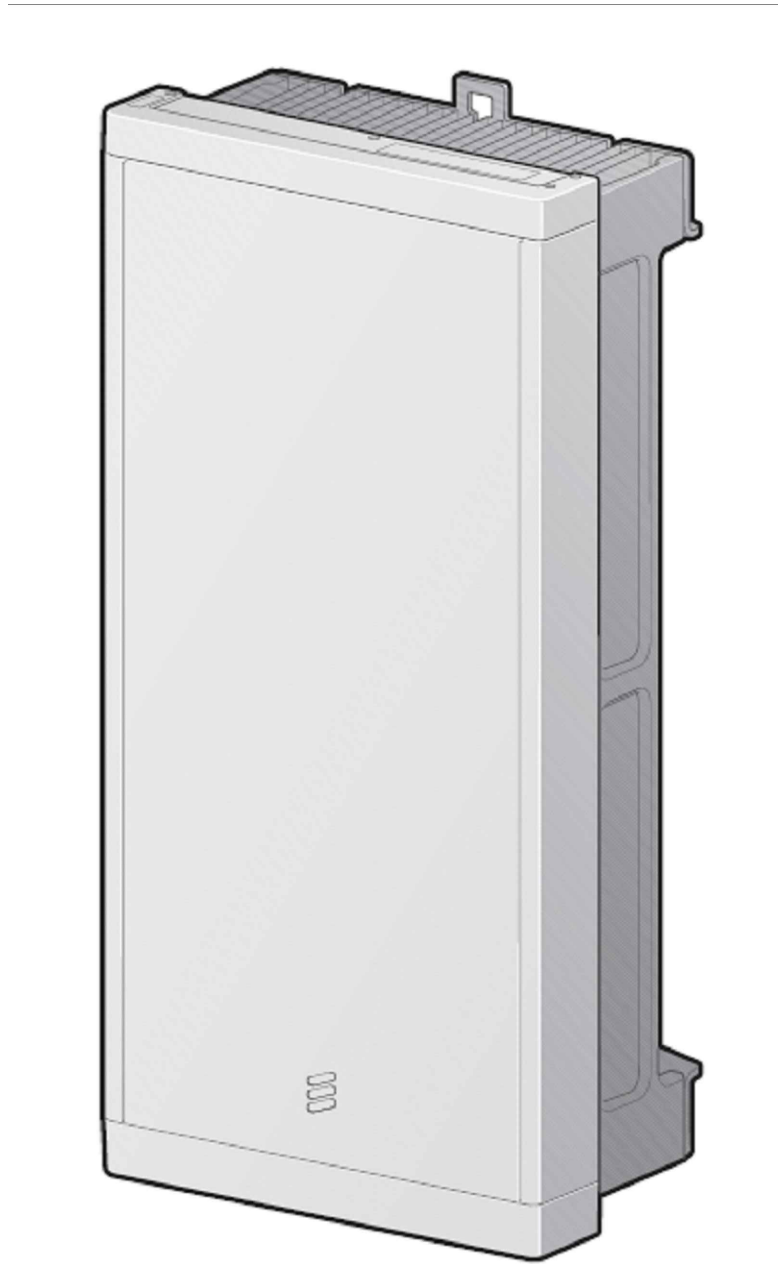
It is a violation of the law for any person, unless they are acting under the direction of a licensed professional engineer, to alter this document.

SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

C-501



ERICSSON AIR 6488

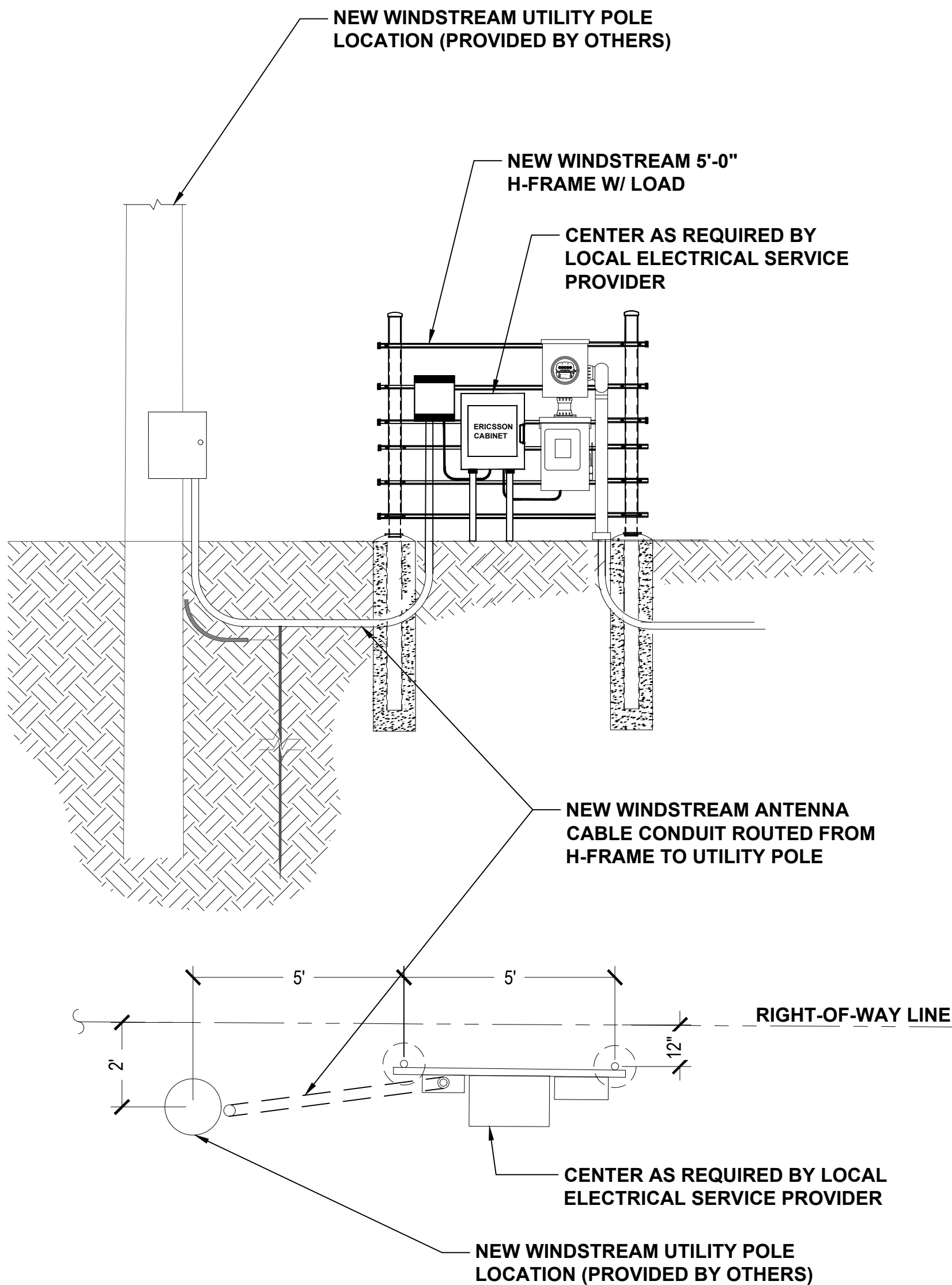
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ROSENBERGER TOWER TOP FTTA DISTRIBUTION

2

ERICSSON 6360

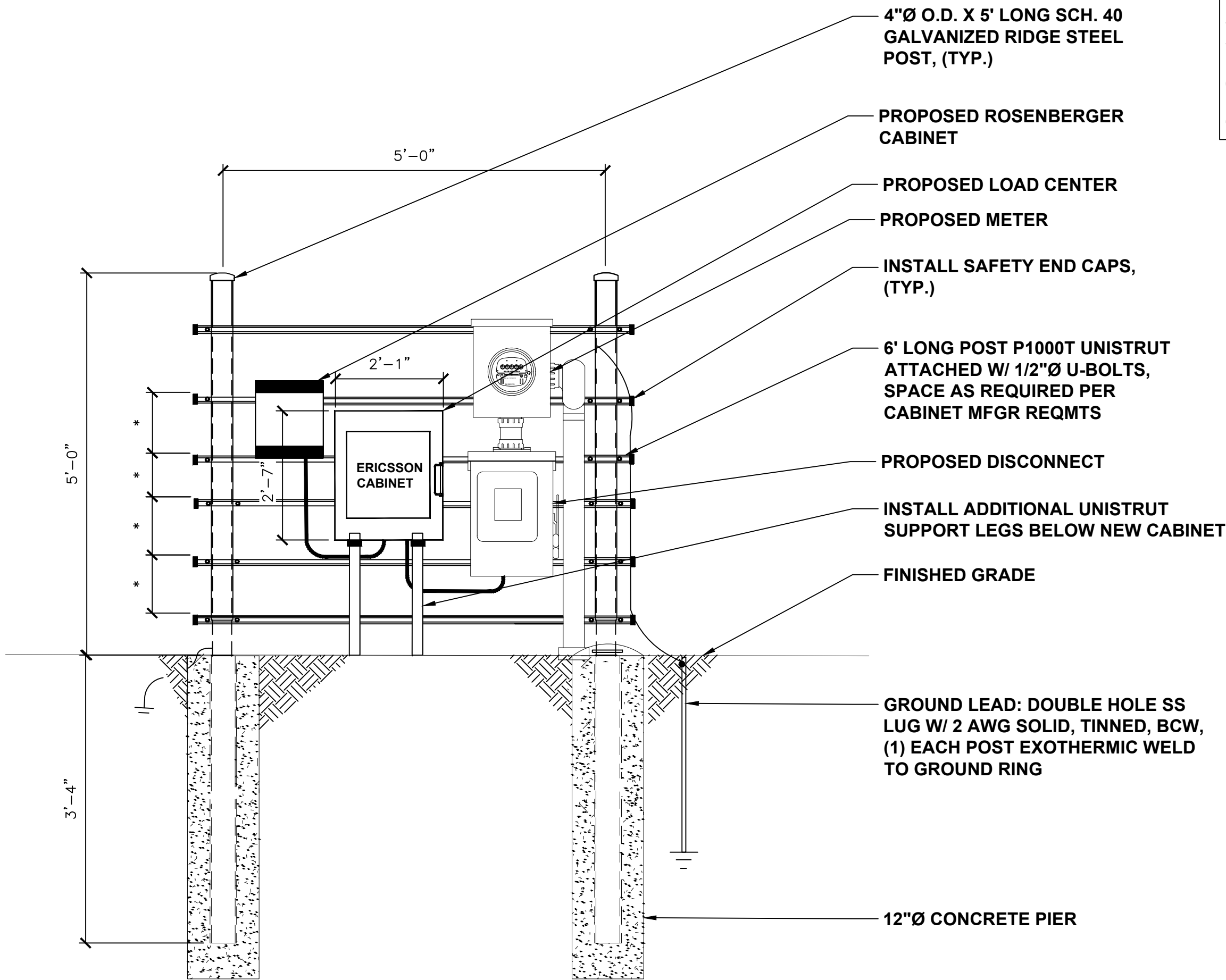
3



24"x36" SCALE: NTS
11"x17" SCALE: NTS

DETAIL RACK ELEVATION

4



24"x36" SCALE: NTS
11"x17" SCALE: NTS

H-FRAME DETAIL

5

NOTES:

- *- COORDINATE ELEVATIONS WITH EQUIPMENT MOUNTING HEIGHT
- STEEL SHALL BE HOT DIP GALVANIZED.
- CABINETS SHALL BE MOUNTED WITH STAINLESS STEEL BOLTS.
- METAL POSTS ARE NOT ALLOWED TO SEVE AS EQUIPMENT GROUNDING CONDUCTORS.
- UNISTRUT SHALL NOT EXTEND BEYOND POST & MUST HAVE SAFETY END CAPS FOR SAFETY REASONS.
- METALLIC PARTS SHALL BE BONDED ACCORDING TO THE NEC.
- GROUNDING SHALL CONFORM TO NEC AND SECTION 436-439.

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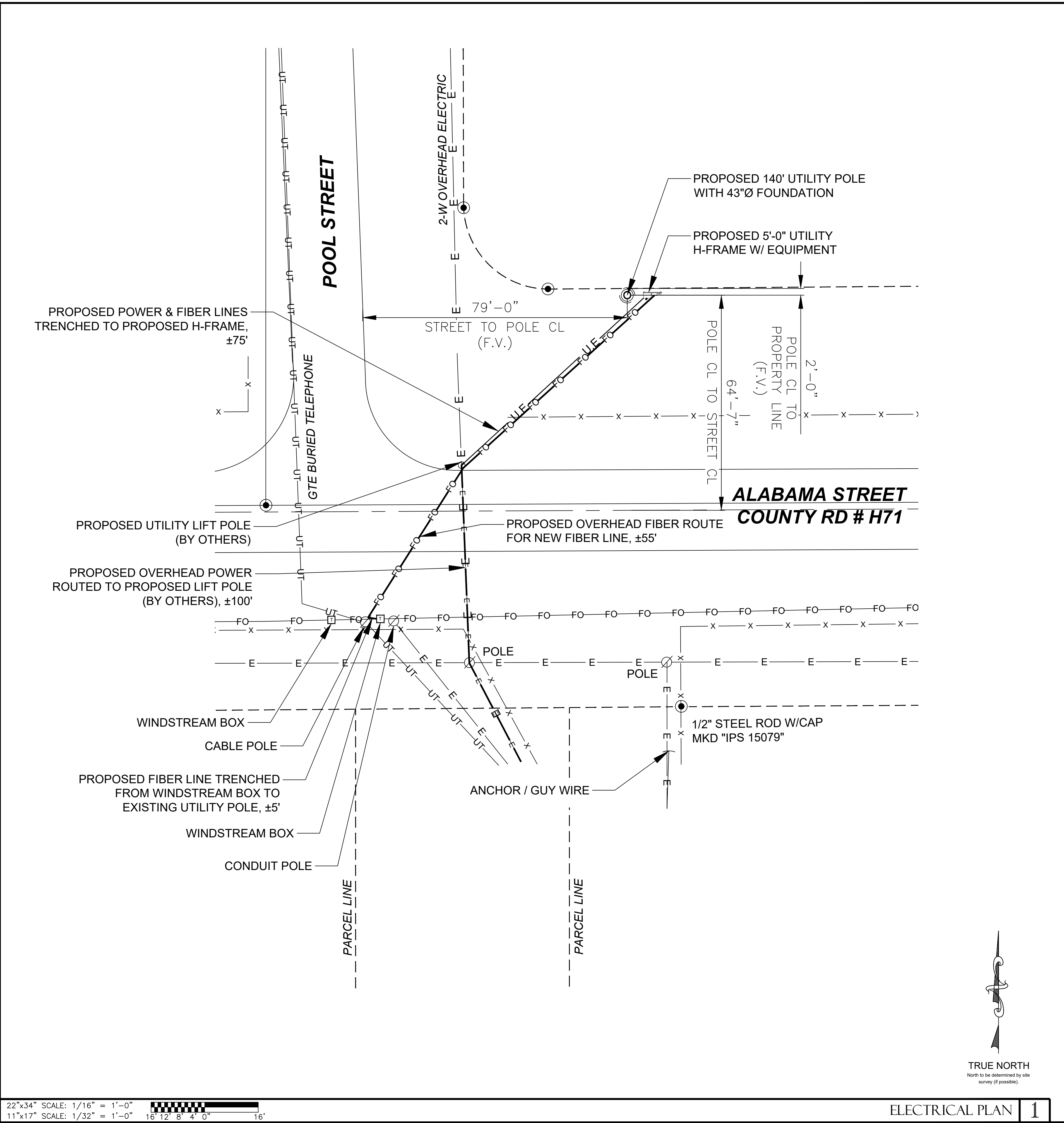
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NOTES AND SPECIFICATIONS

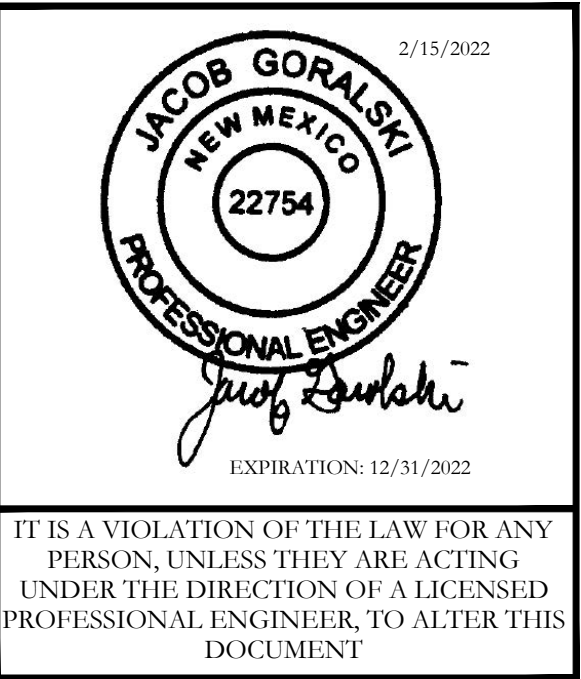
1. ALL ELECTRICAL WORK SHALL COMPLY WITH NEC, STATE, AND LOCAL CODES.
2. CONTRACTOR SHALL OBTAIN OWNER/TENANT SPECIFICATIONS AND REVIEW FOR ADDITIONAL DETAILS AND REQUIREMENTS THAT MAY NOT BE SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL COMPLY WITH ANY ADDITIONAL OWNER/TENANT SPECIFICATIONS AND REQUIREMENTS.
3. CONTRACTOR SHALL COORDINATE WITH THE ELECTRIC UTILITY FOR THE EXACT TRANSFORMER LOCATION, METERING REQUIREMENTS, AND SERVICE ROUTING. CONTRACTOR SHALL COORDINATE WITH THE TELEPHONE UTILITY FOR THE EXACT TELEPHONE REQUIREMENTS AND SERVICE ROUTING.
4. PRIOR TO PURCHASING EQUIPMENT, THE CONTRACTOR SHALL CONTACT THE ELECTRIC COMPANY AND OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT AT THE UTILITY SERVICE POINT. THE CONTRACTOR SHALL ENSURE ALL ELECTRICAL EQUIPMENT, CIRCUIT BREAKERS, DISCONNECTS, FUSES, AND PANELBOARDS HAVE A FAULT CURRENT INTERRUPTING RATING GREATER THAN THE AVAILABLE FAULT CURRENT. IN NO CASE SHALL THE FAULT CURRENT INTERRUPTING RATING BE LESS THAN 10,000 AMPS.
5. CONTRACTOR TO PROVIDE 2-200 LB TEST POLYETHYLENE PULL CORDS SECURELY FASTENED AT EACH END OF POWER AND TELCO CONDUIT. PROVIDE CAPS ON END OF UNUSED CONDUIT.
6. CONTRACTOR TO PROVIDE A REBAR MARKER WITH AT LEAST 2 FEET EXPOSED ABOVE GRADE AND PAINTED BRIGHT ORANGE TO INDICATE LOCATION OF CONDUIT CAPPED BELOW GRADE.
7. PRIOR TO TRENCHING CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES. CONTRACTOR SHALL REPAIR AT CONTRACTOR'S EXPENSE ANY DAMAGE TO EXISTING UTILITIES.
8. CONTRACTOR TO VERIFY EXACT ROUTING OF POWER AND TELCO CONDUIT WITH LOCAL UTILITIES AND OWNER/TENANT. ENSURE ALL CONDUIT STUB-UPS ACCOMMODATE EQUIPMENT REQUIREMENTS.
9. UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE. USE SCHEDULE 80 PVC UNDER ROADS.
10. CONDUIT RUNS SHALL HAVE A CONTINUOUS SLOPE DOWNWARDS AND AWAY FROM THE EQUIPMENT TO ALLOW WATER TO FLOW AWAY FROM THE EQUIPMENT AND SHELTER. EXCAVATE TRENCHES ALONG STRAIGHT LINES PRIOR TO INSTALLING CONDUIT TO ACCOMMODATE ADJUSTING THE ELEVATION, AS NEEDED.
11. CONDUIT ENTERING EQUIPMENT SHALL BE SEALED WITH A SEALANT THAT IS IDENTIFIED FOR USE WITH THE CABLE/CONDUCTOR INSULATION, SHIELDING, ETC.
12. THE OWNER SHALL FURNISH AND THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNAGE TO BE LOCATED AT THE COMPOUND FENCE. CONTRACTOR SHALL COORDINATE WITH OWNER/TENANT CONSTRUCTION MANAGER FOR PLACEMENT OF SIGNAGE.
13. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE LANDSCAPING AREA.
14. CONTRACTOR TO ENSURE A MIN. 3' CLEARANCE IN FRONT OF ELECTRICAL PANELS PER NEC.
15. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LABEL TESTED BY AN APPROVED THIRD PARTY TESTING AGENCY.



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SHEET TITLE
ELECTRICAL PLAN

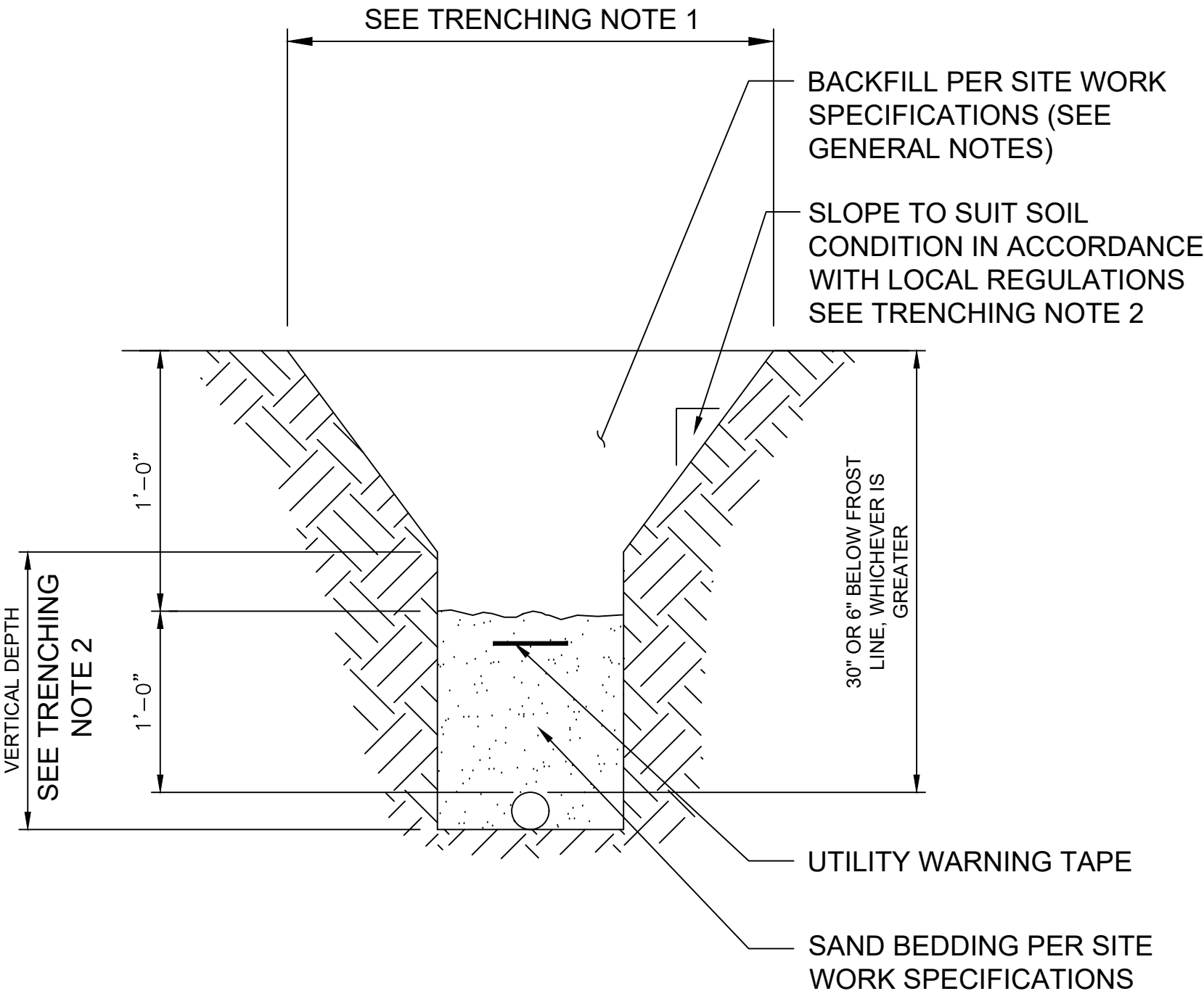
SHEET NUMBER
E-101



NOT USED 1

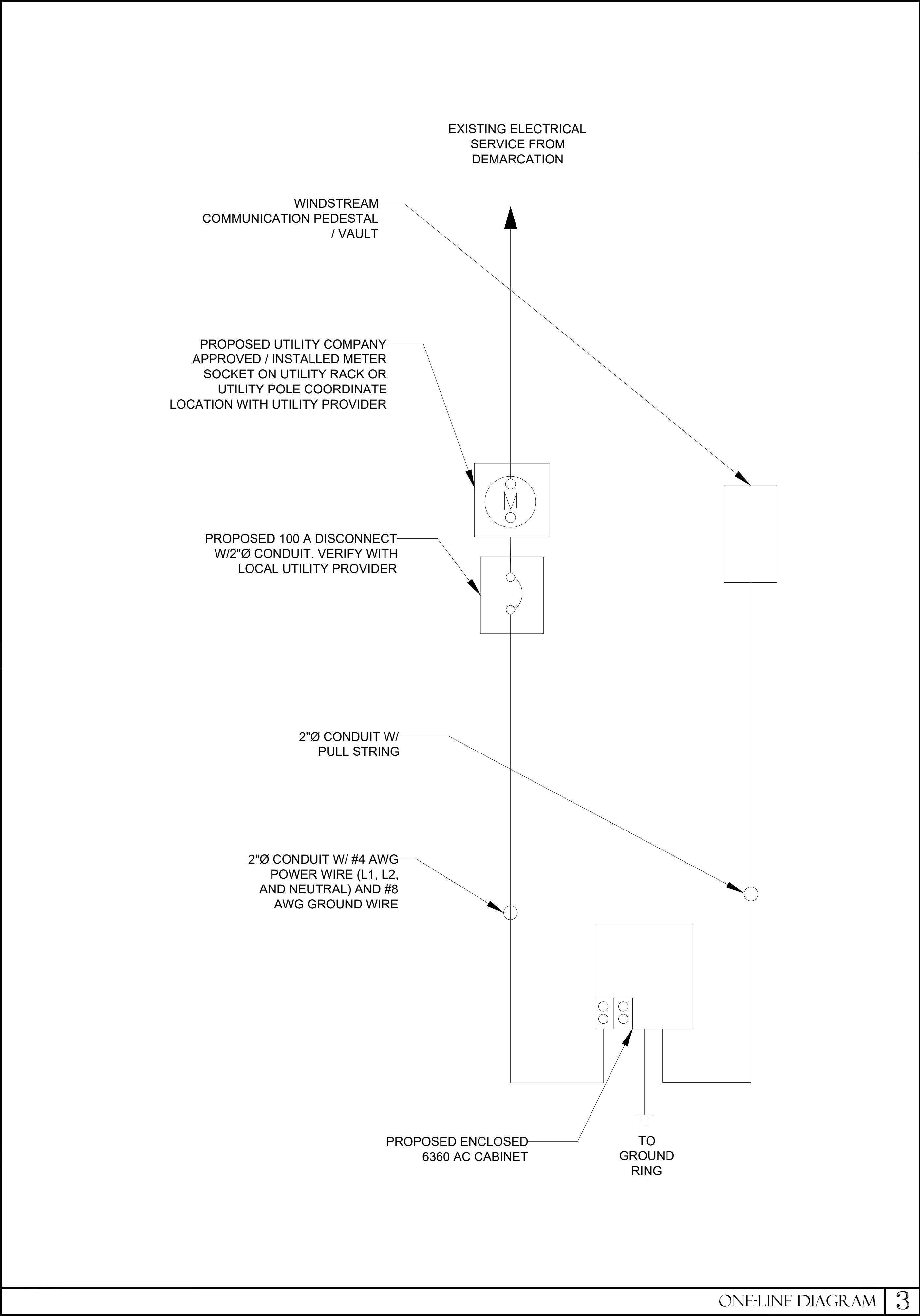
TRENCHING NOTES

- 1. CONTRACTOR SHALL RESTORE THE TRENCH TO ITS ORIGINAL CONDITIONS BY EITHER SEEDING OR SODDING GRASS AREAS, OR REPLACING ASPHALT OR CONCRETE AREAS TO ITS ORIGINAL CROSS SECTION.
- 2. TRENCHING SAFETY; INCLUDING, BUT NOT LIMITED TO SOIL CLASSIFICATION, SLOPING, AND SHORING, SHALL BE GOVERNED BY THE CURRENT OSHA TRENCHING AND EXCAVATION SAFETY STANDARDS.
- 3. ALL CONDUITS SHALL BE INSTALLED IN COMPLIANCE WITH THE CURRENT NATIONAL ELECTRIC CODE (NEC) OR AS REQUIRED BY THE LOCAL JURISDICTION, WHICHEVER IS THE MOST STRINGENT.



TYPICAL UNDERGROUND TRENCH DETAIL 2

N.T.S.



ONE-LINE DIAGRAM 3

windstream communications

FLEX DEPLOYMENT SOLUTIONS

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Jacob Goralski
PROFESSIONAL ENGINEER
NEW MEXICO
22754
EXPIRATION: 12/31/2022

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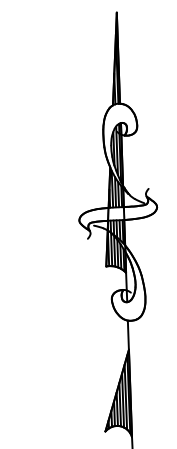
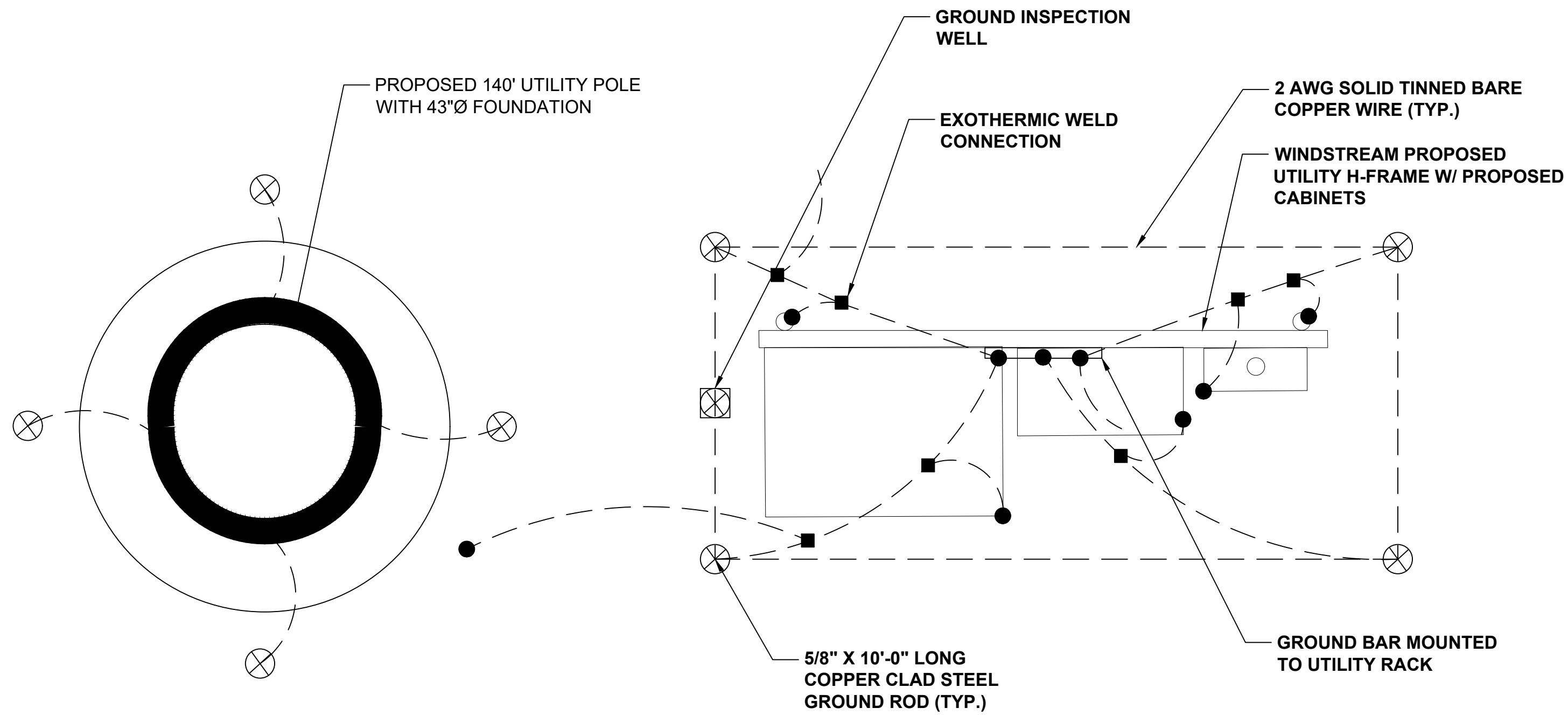
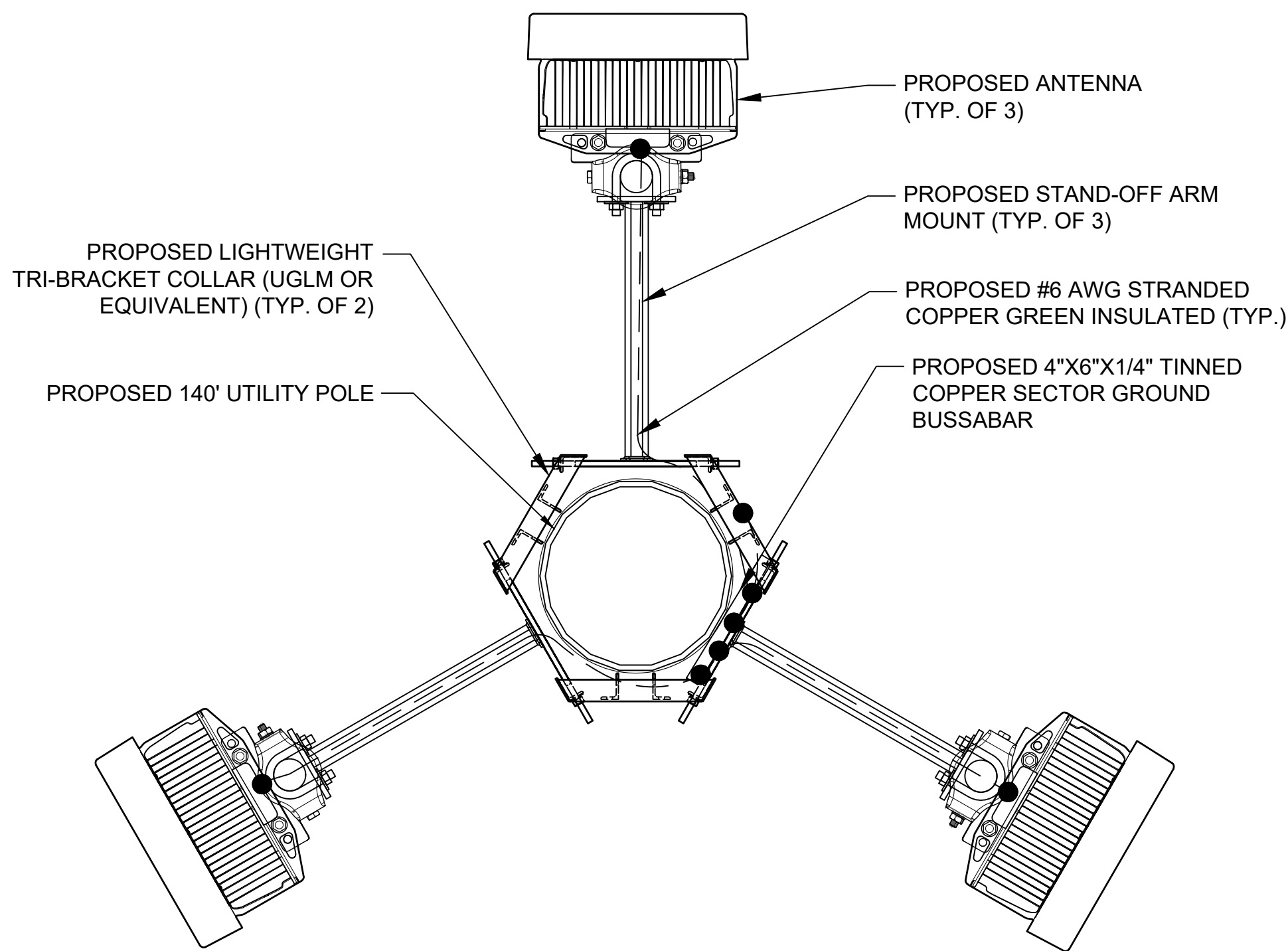
ONE-LINE DIAGRAM AND DETAILS

SHEET NUMBER

E-102

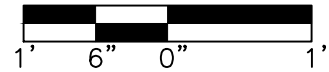
- NOTES:
1. GROUNDING IS SHOWN DIAGRAMMATICALLY ONLY.
 2. CONTRACTOR SHALL GROUND ALL EQUIPMENT AS A COMPLETE SYSTEM. GROUNDING SHALL BE IN COMPLIANCE WITH NEW SECTION 250 AND MANUFACTURER'S SPECIFICATIONS.
 3. ALL GROUND CONDUCTORS SHALL BE COPPER, NO ALUMINUM CONDUCTORS SHALL BE USED.

NOTE:
ANTENNAS AND RRUS ARE GENERIC
AND NOT REFERENCING TO A SPECIFIC
MANUFACTUERER. THIS LAYOUT IS FOR
REFERENCE ONLY



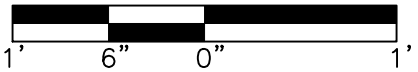
TRUE NORTH
North to be determined by site
survey (if possible).

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



ANTENNA GROUNDING PLAN 1

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



GROUNDING PLAN 2

windstream
communications

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GROUNDING PLANS

SHEET NUMBER
E-103

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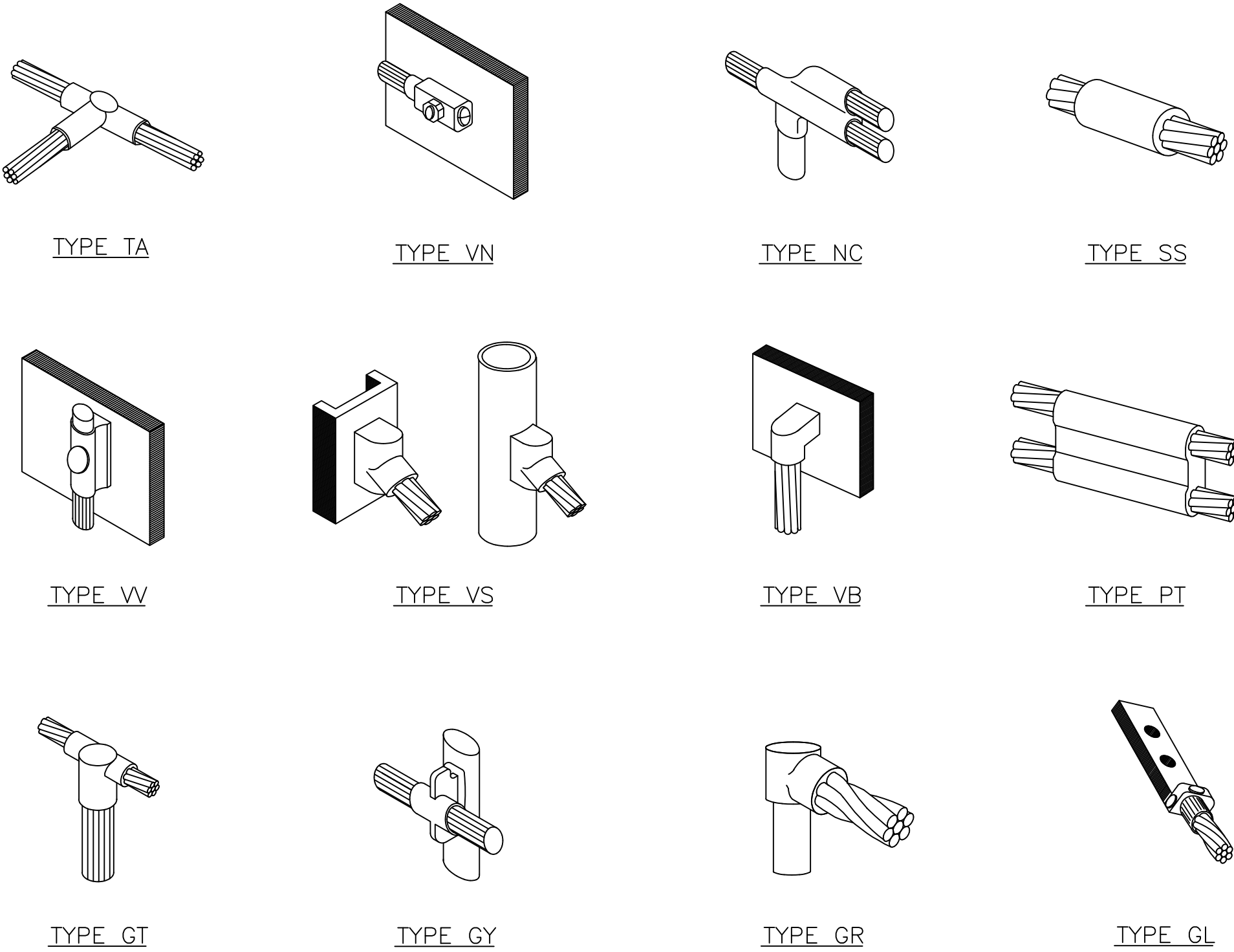
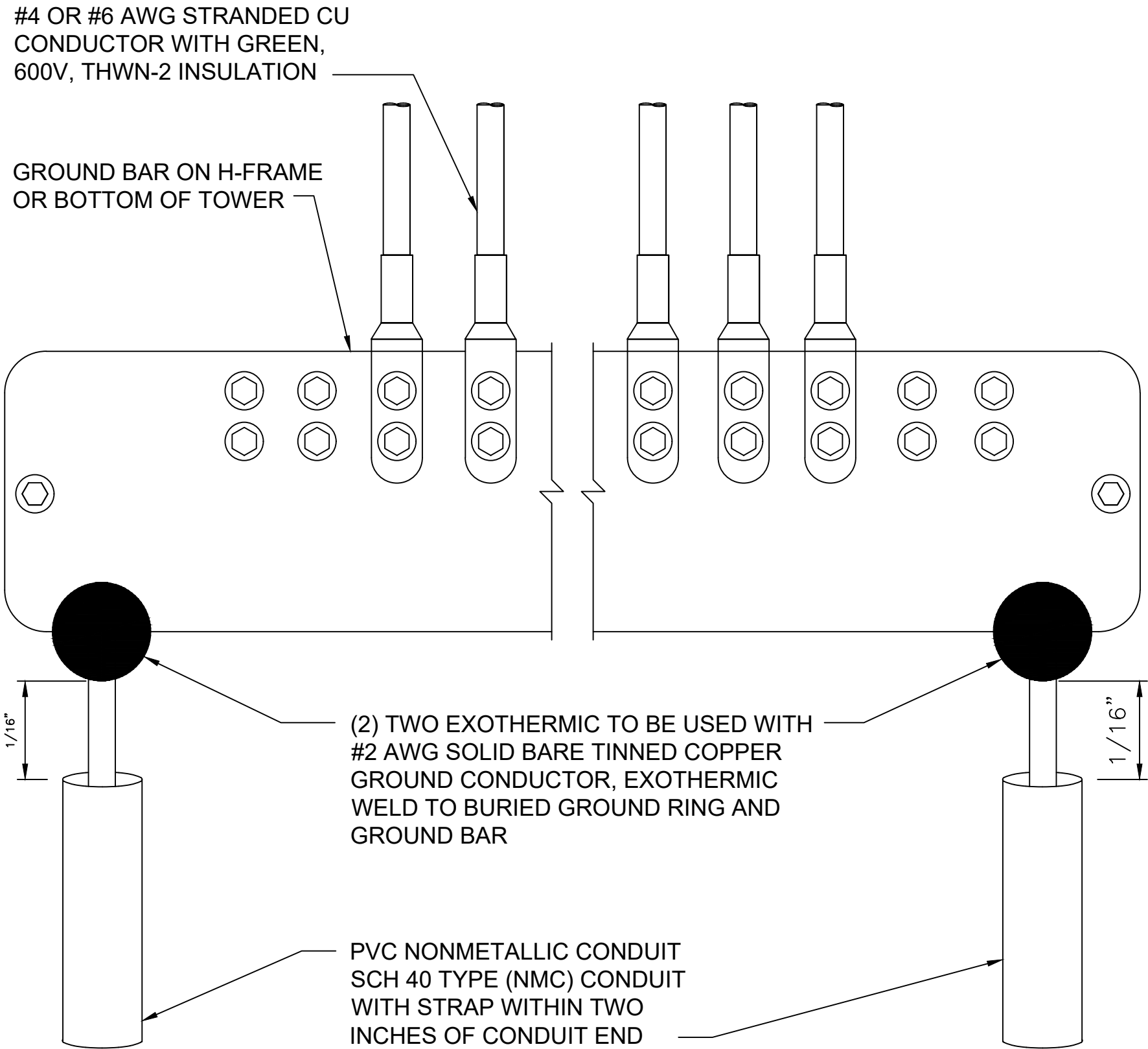
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E-104

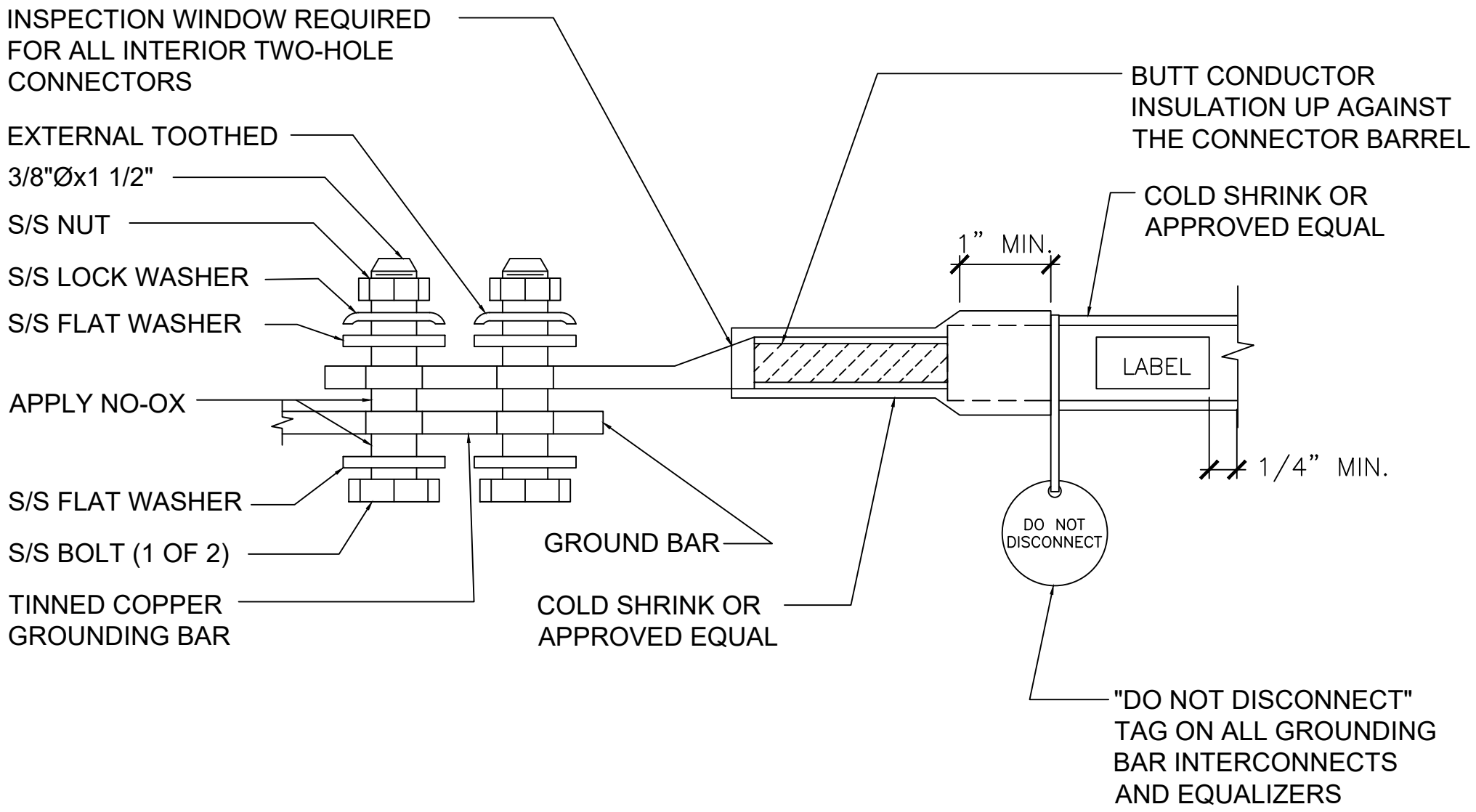


GROUND BAR DETAILS

1

CALDWELL DETAILS

2



N.T.S.

EXTERIOR TWO HOLE LUG DETAIL

3

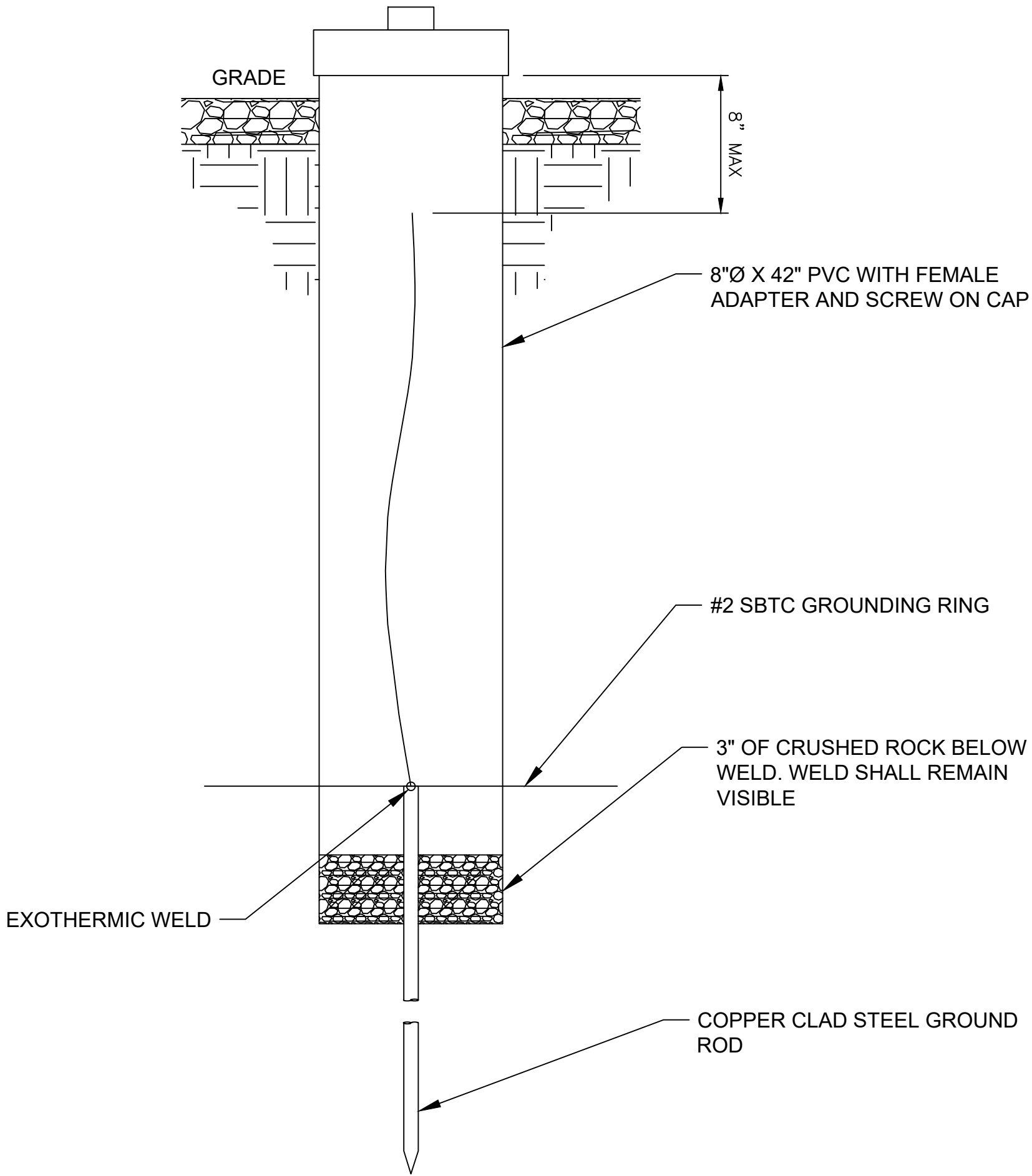
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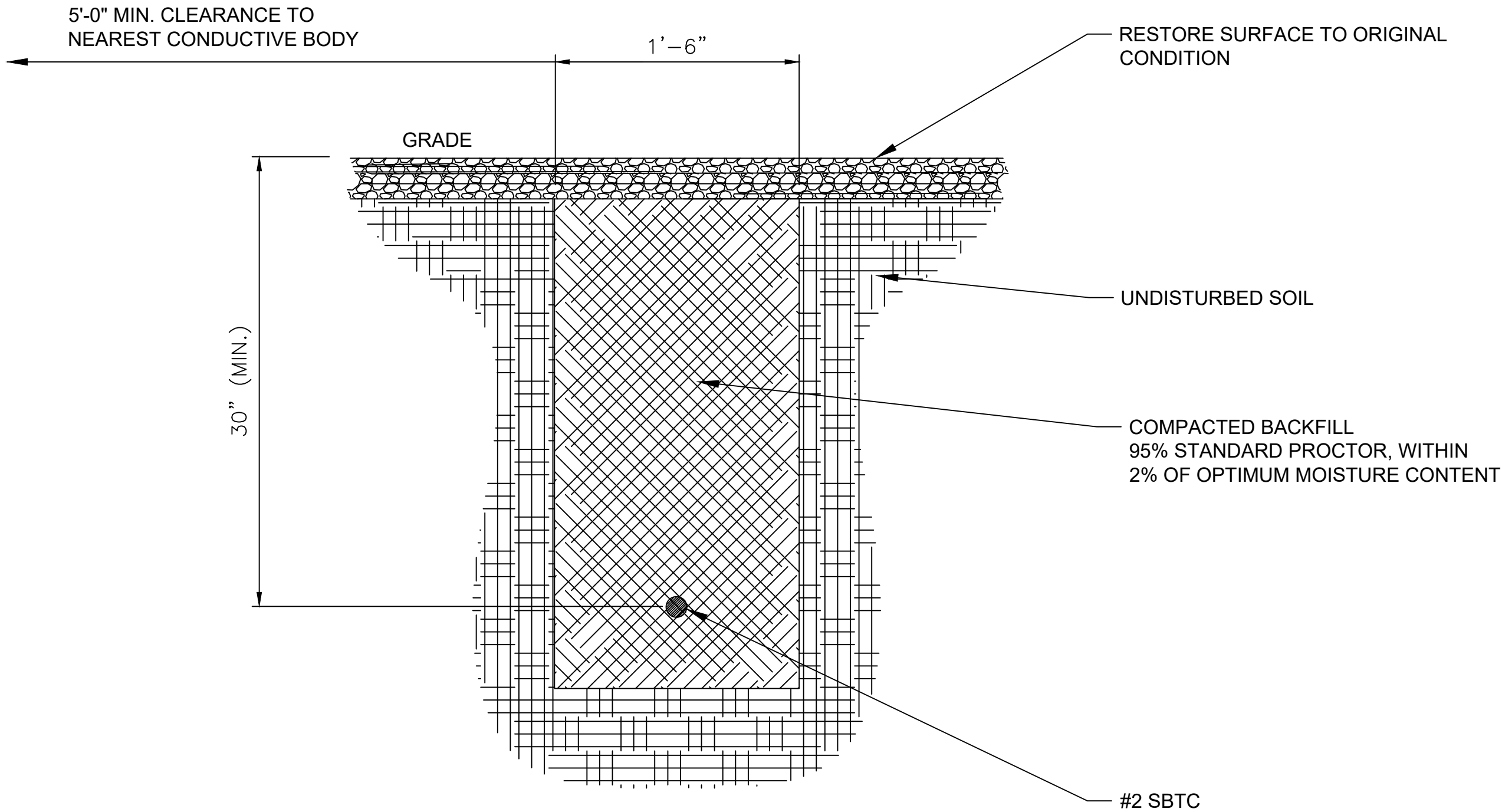
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- NOTES:
1. EXTERIOR GROUND RING: #2 AWG SOLID COPPER, BURIED AT A DEPTH OF AT LEAST 30" BELOW GRADE OR 6" BELOW THE FROST LINE AND APPROXIMATELY 24" FROM THE EXTERIOR WALL OR FOOTING.
 2. INTERIOR GROUND RING: #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTOR EXTENDED AROUND THE PERIMETER OF THE EQUIPMENT AREA. ALL NON-TELECOMMUNICATIONS RELATED METALLIC OBJECTS FOUND WITHIN A SITE SHALL BE GROUNDED TO THE INTERIOR GROUND RING WITH #6 AWG STRANDED GREEN INSULATED CONDUCTOR.
 3. BOND TO INTERIOR GROUND RING: #2 AWG SOLID TINNED COPPER WIRE PRIMARY BONDS SHALL BE PROVIDED AT LEAST AT FOUR POINTS ON THE INTERIOR GROUND RING, LOCATED AT THE CORNERS OF THE BUILDING.
 4. GROUND ROD: UL LISTER COPPER CLAD STEEL. MINIMUM 1/2"Ø BY EIGHT FEET LONG. AT LEAST ONE GROUND ROD SHALL BE INSTALLED WITH INSPECTION SLEEVES. GROUND RODS SHALL BE DRIVEN TO THE DEPTH OF GROUND RING CONDUCTOR.
 5. CELL REFERENCE GROUND BAR: POINT OF GROUND REFERENCE FOR ALL COMMUNICATIONS EQUIPMENT FRAMES. ALL BONDS ARE MADE WITH #2 AWG UNLESS NOTED OTHERWISE. STRANDED GREEN INSULATED COPPER CONDUCTORS. BOND TO GROUND RING WITH (2) (#2) SOLID TINNED COPPER CONDUCTORS.
 6. HATCH PLATE GROUND BAR: BOND TO THE INTERIOR GROUND RING WITH (2) #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS. WHEN A HATCH-PLATE AND A CELL REFERENCE GROUND BAR ARE BOTH PRESENT, THE CRGB MUST BE CONNECTED TO THE HATCH-PLATE AND TO THE INTERIOR ROUND RING USING (2) #2 AWG STRANDED GREEN INSULATED COPPER CONDUCTORS EACH.
 7. EXTERIOR CABLE ENTRY PORT GROUND BARS: LOCATED AT THE ENTRANCE TO THE CELL SITE BUILDING, BOND TO GROUND RING WITH A #2 AWG SOLID TINNED COPPER CONDUCTORS WITH AN EXOTHERMIC WELD AND INSPECTION SLEEVE.
 8. TELCO GROUND BAR: BOND TO BOTH CELL REFERENCE GROUND BAR AND EXTERIOR GROUND RING.
 9. INTERIOR UNIT BONDS: METAL FRAMES, CABINETS AND INDIVIDUAL METALLIC UNITS LATED WITH THE ARE OF THE INTERIOR GROUND RING REQUIRE A #6 AWG STRANDED GREEN INSULATED COPPER BOND TO THE INTERIOR GROUND RING.
 10. ICE BRIDGE SUPPORTS: EACH ICE BRIDGE LEG SHALL BE BONDED TO THE GROUND RING WITH #2 AWG BARE TINNED COPPER CONDUCTOR, PROVIDE EXOTHERMIC WELDS AT BOTH THE ICE BRIDGE LEG AND BURIED GROUND RING.
 11. DURING ALL DC POWER SYSTEM CHANGES INCLUDING CD SYSTEM CHANGE OUTS, RECTIFIER REPLACEMENTS OR ADDITIONS, BREAKER DISTRIBUTION CHANGES, BATTERY ADDITIONS, BATTERY REPLACEMENTS AND INSTALLATIONS OR CHANGES TO DC CONVERTER SYSTEMS IT SHALL BE REQUIRED THAT SERVICE CONTRACTORS VERIFY ALL DC POWER SYSTEMS ARE EQUIPMMENT WITH A MASTER DC SYSTEM RETURN GROUND CONDUCTOR FROM THE DC POWER SYSTEM COMMON RETURN BUS DIRECTLY TO THE CELL SITE REFERENCE GROUND BAR.
 12. TOWER TOP COLLECTOR BUSS BAR IS TO BE MECHANICALLY BONDED TO PROPOSED ANTENNA MOUNT.



TEST WELL DETAIL

1



GROUND CONNECTION TRENCH DETAIL (STD.)

2



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GROUNDING DETAILS

SHEET NUMBER

E-105