



**Record No: SITE-  
25-23**

Site Plan Submittal

Status: Active

Submitted On: 12/10/2025

**Primary Location**

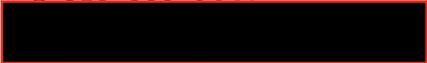
32.523523, -81.320129

**Owner**

No owner information

**Applicant**

 Joel Rousseau



 905 NW 56th Terrace,  
Suite A  
Gainesville, FL 32605

## Internal Documents

**Staff Report** 



No File Uploaded

**Staff Review Letter** 



No File Uploaded

**Board of Commissioners Meeting\*** 

—

**Map \*** 

**Parcel\*** 

**Description of Development\*** 

**Road Name\*** 

**Sketch Plan Modifications** 

**Recommended Changes for Preliminary Plan** 

## Applicant Information

**Applicant / Agent Name\***

NexTower Development Group II, LLC

**Applicant Phone Number\***



**Applicant Email Address\***



**Applicant Address\***

905 NW 56th Terrace, Suite A

**Applicant City\***

Gainesville

**Applicant State\***

FL

**Applicant Zip Code\***

32605

**Is Applicant owner of property?\***

No

## Project Information

**Proposed Name of Project\***

NXGA-226 Ciyó Cell Tower

**Map Number\***

358

**Parcel Number\***

1

**Total Acreage of Property\***

1232.95

**Number of Proposed Buildings\***

0

**Current Property Zoning\***

AR-1

**Water Provider?\***

Other

**Please explain\***

Tower will be unmanned and no water will be needed.

**Sewer Provider?\***

Other

**Please explain\***

Tower will be unmanned and no sewer services will be needed.

Variance Requested?\*

If so, please described\*

Yes

Applicant requests a waiver from the standard landscaping requirements based on the rural, agricultural character and current silvicultural use of the parent parcel, which is owned by Rayoneir. Although the property was recently harvested, it is scheduled for replanting, which will provide substantial vegetative screening for the foreseeable future. Given the remote location and minimal visual impact of the proposed tower, the applicant has provided a 10' wide natural vegetative buffer around the security fencing of the tower. Applicant proposed outfitting the perimeter fencing around the base of the tower with green plastic vertical slats (PVT), offering a minimum of 80% opacity. This low-maintenance solution aligns with the intent of the landscaping and screening standards while recognizing the land use of the site.



The undersigned (applicant)(owner), hereby acknowledges that the information contained herein is true and complete to the best of its knowledge.

Applicant\*

 Joel Rousseau  
Dec 5, 2025

Owner\*

 Rayonier Forest Resources LP  
Dec 5, 2025

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## Owner Information

Owner of Record\*

Rayonier Forest Resources LP

Owner Phone Number\*



Owner Address\*

[REDACTED]

Owner City\*

Wildlight

Owner State\*

FL

Owner Zip Code\*

32097

## Engineer Information

Engineer Company Name\*

SMW Engineering Group, LLC

Engineer \*

Jeremy D. Sharit

Engineer Phone Number\*

[REDACTED]

Engineer Address\*

158 Business Center Drive

Engineer City\*

Birmingham

Engineer State\*

AL

Engineer Zip Code\*

35244

## Surveyor Information

Surveyor\*

SMW Engineering Group, LLC

Surveyor Phone Number\*

[REDACTED]

Surveyor Address\*

158 Business Center Dr

Surveyor City\*

Birmingham

**Surveyor State\***

AL

**Surveyor Zip Code\***

35244

**EFFINGHAM COUNTY**  
**Non-Residential Site Plan Submittal Form**

**OFFICIAL USE ONLY**

Date Received: \_\_\_\_\_ Project Number: \_\_\_\_\_ Classification: \_\_\_\_\_

Date Reviewed: \_\_\_\_\_ Reviewed by: \_\_\_\_\_

Proposed Name of Project NXGA-226 Clio Cell Tower

Name of Applicant/Agent David Boeff / Alt: Joel Rousseau Phone [REDACTED]

Company Name NexTower Development Group II, LLC

Address 905 NW 56th Terrace, Suite A, Gainesville, FL 32605

Owner of Record Rayonier Forest Resources, L.P. Phone \_\_\_\_\_

Address 1 Rayonier Way, Wildlight, FL 32097

Engineer Jeremy D. Sharit / SMW Engineering Group, LLC. Phone [REDACTED]

Address 158 Business Center Drive, Birmingham, AL 35244

Surveyor Timothy Fish / SMW Engineering Group, LLC Phone [REDACTED]

Address 158 Business Center Drive, Birmingham, AL 35244

Proposed water N/A Proposed sewer N/A

Total acreage of property 1232.95 Acreage to be divided 0.15 Leased Area Number of Lots Proposed N/A

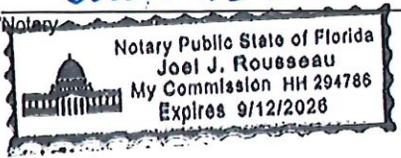
Current Zoning AR-1 Proposed Zoning AR-1 Tax map – Block – Parcel No 03580001

Are any variances requested? Yes If so, please describe: The applicant requests a waiver from the standard landscaping requirements based on rural, agricultural character and silvicultural use of the parent parcel.

The undersigned (applicant) (owner), hereby acknowledges that the information contained herein is true and complete to the best of its knowledge.

This 5 day of December, 2025.

Joel Rousseau



NexTower Development Group II, LLC.  
Applicant  
X  
Owner  
DAVID H. BOEFF, President & CEO

# EFFINGHAM COUNTY

## SITE PLAN CHECKLIST

<b>OFFICIAL USE ONLY</b>	
Subdivision Name: _____	Project Number: _____
Date Received: _____	Date Reviewed: _____ Reviewed by: _____

The following checklist is designed to inform applicants of the requirements for preparing sketch plans for review by Effingham County. Applicants should check off items to confirm that it is included as part of the submission. **CHECKLIST ITEMS OMITTED CAN RESULT IN THE APPLICATION BEING FOUND INCOMPLETE AND THEREFORE DELAY CONSIDERATION BY THE BOARD.** This checklist must be submitted with the application.

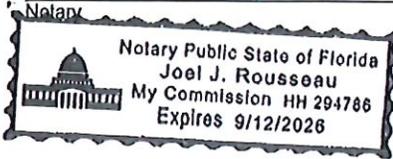
Office Use	Applicant Use	
<b>(a) Project Information:</b>		
	<input checked="" type="checkbox"/>	1. Proposed name of development.
	<input checked="" type="checkbox"/>	2. Names, addresses and telephone numbers of owner and applicant.
	<input checked="" type="checkbox"/>	3. Name, address and telephone number of person or firm who prepared the plans.
	<input checked="" type="checkbox"/>	4. Graphic scale (approximately 1"=100') and north arrow.
	<input checked="" type="checkbox"/>	5. Location map (approximately 1" = 1000').
	<input checked="" type="checkbox"/>	6. Date of preparation and revision dates.
	<input checked="" type="checkbox"/>	7. Acreage to be subdivided.
	<input checked="" type="checkbox"/>	8. A written description of proposed use of property.
<b>(b) Existing Conditions:</b>		
	<input checked="" type="checkbox"/>	1. Location of all property lines.
	<input checked="" type="checkbox"/>	2. Existing easements, covenants, reservations, and right-of-ways.
	<input checked="" type="checkbox"/>	3. Buildings and structures.
	<input checked="" type="checkbox"/>	4. Sidewalks, streets, alleys, driveways, parking areas, etc.
	<input checked="" type="checkbox"/>	5. Existing utilities including water, sewer, electric, wells and septic tanks.
	<input checked="" type="checkbox"/>	6. Natural or man-made watercourses and bodies of water and wetlands.
	<input checked="" type="checkbox"/>	7. Limits of floodplain.
	<input checked="" type="checkbox"/>	8. Existing topography.
	<input checked="" type="checkbox"/>	9. Current zoning district classification and land use.
	<input type="checkbox"/>	N/A 10. Level Three Soil Survey (if septic systems are to be used for wastewater treatment).
	<input checked="" type="checkbox"/>	11. Zoning Classification, owners' name, and existing uses of adjacent property.
<b>(c) Proposed Features:</b>		
	<input checked="" type="checkbox"/>	1. The building outline and maximum proposed height of all buildings.
	<input checked="" type="checkbox"/>	2. Proposed new sidewalks, streets, alleys, driveways, parking areas, etc (to include proposed street/road names).
	<input checked="" type="checkbox"/>	3. Proposed zoning and land use.
	<input checked="" type="checkbox"/>	4. Existing buildings and structures to remain or be removed.
	<input type="checkbox"/>	N/A 5. Existing sidewalks, streets, driveways, parking areas, etc., to remain or be removed.

<input checked="" type="checkbox"/>	6. Proposed retention/detention facilities and storm-water master plan.
<input type="checkbox"/>	N/A 7. Wastewater infrastructure master plan (to include reuse infrastructure if proposed).
<input type="checkbox"/>	N/A 8. Water distribution infrastructure master plan.
<input checked="" type="checkbox"/>	9. Undisturbed or Vegetated buffers according to Section 3.4 – Buffers of the Effingham County Zoning Ordinance.
<input checked="" type="checkbox"/>	10. Conditions from the approved Zoning Map Amendment

The undersigned (applicant) (owner), hereby acknowledges that the information contained herein is true and complete to the best of its knowledge.

This 5 day of December, 2025

Joel Rousseau



Newston Development Group II, LLC.  
Applicant  
X [Signature]  
Owner  
DAVID H. BOLETTI, President & CEO

**APPLICANT:**



005 NW 50TH TERRACE SUITE A  
CANESVILLE, FL 32905  
(352) 303-5500



**ENGINEERING GROUP, LLC**  
"TOGETHER PLANNING A BETTER TOMORROW"  
1000 W. UNIVERSITY BLVD., SUITE 100  
IRVING, MISSISSIPPI 39096  
TEL: 205-225-6988 www.saweng.com

**NEXTOWER SITE NAME**  
CLYO

**NEXTOWER SITE NUMBER**  
NXGA-220

**SITE ADDRESS**  
CLYOKILCARE ROAD  
SPANGLER, GA 31089

REV	DESCRIPTION	BY	DATE
0	SUBMITTAL	ELW	01/15/20

CAM PEFO00025



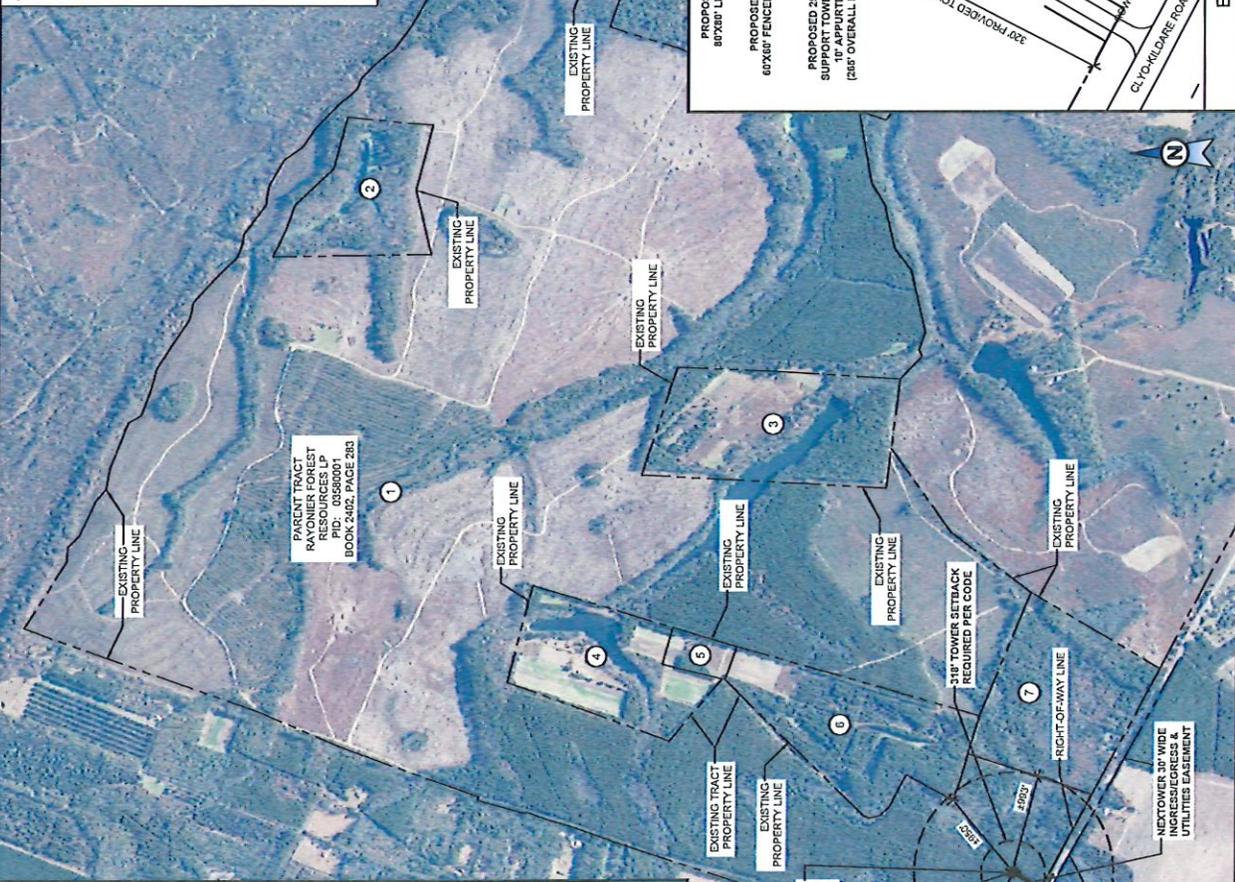
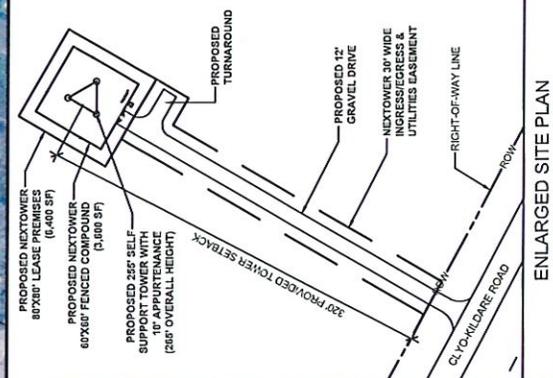
01/15/20

**SITE PLAN**

**SHEET NUMBER:**  
C1

- NOTES:**
- SUBJECT PROPERTY IS LOCATED IN PANEL 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. THE BASE FLOOD ZONE INFORMATION IS NOT IN A SPECIAL FLOOD HAZARD AREA.
  - INFORMATION FOR SITE PLAN TAKEN FROM A SURVEY BY SAW ENGINEERING, DATED 09/10/20.
  - SETBACKS:**

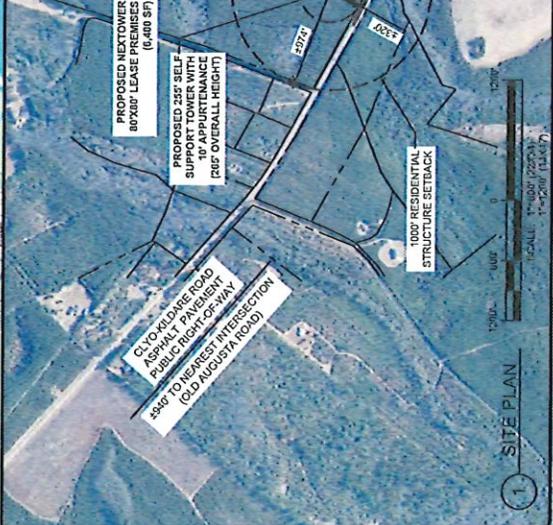
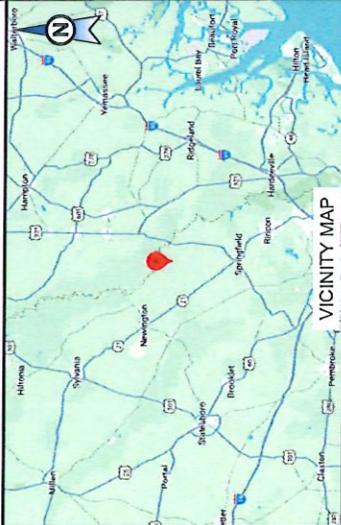
GREATER OF TOWER TO PARENT TRACT LINE:  
 NORTH..... 00'02"  
 EAST..... 00'02"  
 SOUTH..... 32'02"  
 WEST..... 32'02"
  - THESE ARE NO RESIDENTIAL STRUCTURES WITHIN 1000' OF THE PROPOSED TOWER.
  - NO ACRES ARE TO BE SUBDIVIDED AS PART OF THE PROPOSED TOWER PROJECT.
  - CURRENT ZONING CLASSIFICATION: AR-1.
  - ASSESSOR'S MAP REFERENCE: ON-SITE ENVIRONMENTAL CORP. OF AMERICA (ECA) COVERING THE TOWER LEASE AREA, INGRESS/EGRESS ROUTES, AND THE UTILITY EASEMENT. NO WETLANDS WERE IDENTIFIED ON THIS PROJECT. THE PROPOSED TOWER SITE, THEREFORE, THE PROJECT WILL NOT IMPACT ANY WETLANDS.



**PARENT TRACT OVERVIEW**

- RAYONIER FOREST RESOURCES LP  
PARCEL NO. 0328001  
ACRES: 127.04
- WURZ, CHARLES E TRUSTEE OF THE  
PARCEL NO. 0340001  
ACRES: 30.30
- MORGAN, ASHLEY A & NORMA JEAN  
PARCEL NO. 0308005  
ACRES: 30.30
- REYES, JESSE & LORETTA  
PARCEL NO. 0340002  
ACRES: 43.43
- HINLEY, GREGORY C  
PARCEL NO. 0308003  
ACRES: 50.35
- KESSLER, JEFF & KELBY  
PARCEL NO. 0308004  
ACRES: 50.35
- STONE, JERRY P  
PARCEL NO. 0310000  
ACRES: 50.00

**TOTAL ACRES: 1483.05**



358-1



2/5/2026

World\_Boundaries\_and\_Places

World\_Boundaries\_and\_Places

Roads

Parcels

Zoning

AR-1

AR-2

B-2

B-3

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

1:31,372

0 0.23 0.45 0.7 0.9 mi

0 0.35 0.7 1.4 km

Vantor, Esri, HERE, Garmin



NEXTOWER SITE NAME

**CLYO**

SITE ADDRESS  
 CLYO-KILDARE ROAD  
 SHAWNEE, GA 31303  
 EFFINGHAM COUNTY

NEXTOWER SITE NUMBER

**NXGA-226**



NEXTOWER SITE NAME  
 CLYO  
 NEXTOWER SITE NUMBER  
 NXGA-226  
 SITE ADDRESS  
 CLYO-KILDARE ROAD  
 SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625



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

TITLE SHEET & PROJECT INFORMATION

SHEET NUMBER:

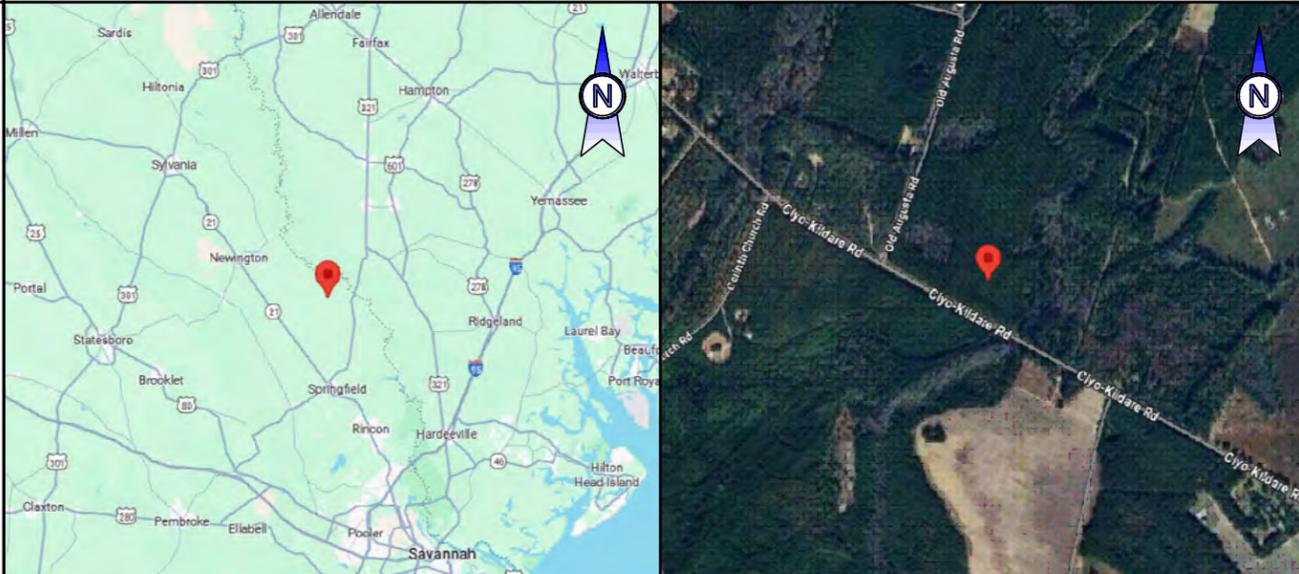
**T-1**

COMPLIANCE CODE

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

- INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2025)
  - INTERNATIONAL MECHANICAL CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2025)
  - INTERNATIONAL FUEL GAS CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2025)
  - INTERNATIONAL PLUMBING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS (2025)
  - NATIONAL ELECTRICAL CODE 2023 EDITION
  - INTERNATIONAL ENERGY CONSERVATION CODE, 2015 EDITION, WITH GEORGIA AMENDMENTS (2025)
- STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURE (TIA/EIA-222-H)

VICINITY MAP



SHEET INDEX

SHEET NO:	DESCRIPTION:
T-1	TITLE SHEET & PROJECT INFORMATION
--	SURVEY
G-1	GENERAL NOTES
C-1	OVERALL SITE PLAN OVERLAY
C-1.1	OVERALL SITE PLAN
C-1.2	ZONING MAP
C-1.3	COUNTY SETBACK MAP
C-2	COMPOUND PLAN
C-3	TOWER ELEVATION
C-4	FENCE DETAILS
C-4.1	GATE DETAILS
C-5 TO C-5.0.1	GRADING
C-5.1	ROAD PROFILES
C-5.2	SEDIMENT & EROSION CONTROL DETAILS
C-5.2.1	SEDIMENT & EROSION CONTROL DETAILS
E-1	ELECTRICAL NOTES
E-2	GROUNDING NOTES
E-3	POWER/TELCO ROUTING PLAN
E-3.1	OVERALL POWER/TELCO ROUTING PLAN
E-4	RISER DIAGRAM
E-5	COMPOUND GROUNDING PLAN
E-6	GROUNDING DETAILS

PROJECT SUMMARY

PARCEL NUMBER

03580001

PROPERTY OWNER

RAYONIER FOREST RESOURCES LP  
 1 RAYONIER WAY  
 WILDLIGHT, FL 32097

TOWER E911 ADDRESS

TBD

PROPERTY ADDRESS

CLYO-KILDARE ROAD  
 SHAWNEE, GA 31303

GEOGRAPHIC COORDINATES:

LATITUDE: 32° 31' 23.740" N / 32.523261°  
 LONGITUDE: 81° 19' 11.582" W / -81.319884°

PROJECT DESCRIPTION

PROPOSED COMMUNICATION FACILITY W/ PROPOSED 255' SELF SUPPORT TOWER TOWER W/ 10' APPURTENANCE (265' OVERALL HEIGHT)

PROJECT NOTES

- THE FACILITY IS UNMANNED.
- A TECHNICIAN WILL VISIT THE SITE APPROXIMATELY ONCE A MONTH FOR ROUTINE INSPECTION AND MAINTENANCE.
- THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT LAND DISTURBANCE OR EFFECT OF STORM WATER DRAINAGE.
- NO SANITARY SEWER, POTABLE WATER OR TRASH DISPOSAL IS REQUIRED.
- HANDICAP ACCESS IS NOT REQUIRED.

DESIGN CRITERIA

DESIGN WIND SPEED: TBD MPH (ULTIMATE WIND SPEED)  
 EXPOSURE CATEGORY: C  
 RISK CATEGORY: II

PROJECT TEAM

ENGINEER:

SMW ENGINEERING  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 CONTACT: JEREMY SHARIT, PE  
 PHONE: 205-397-6781

APPLICANT:

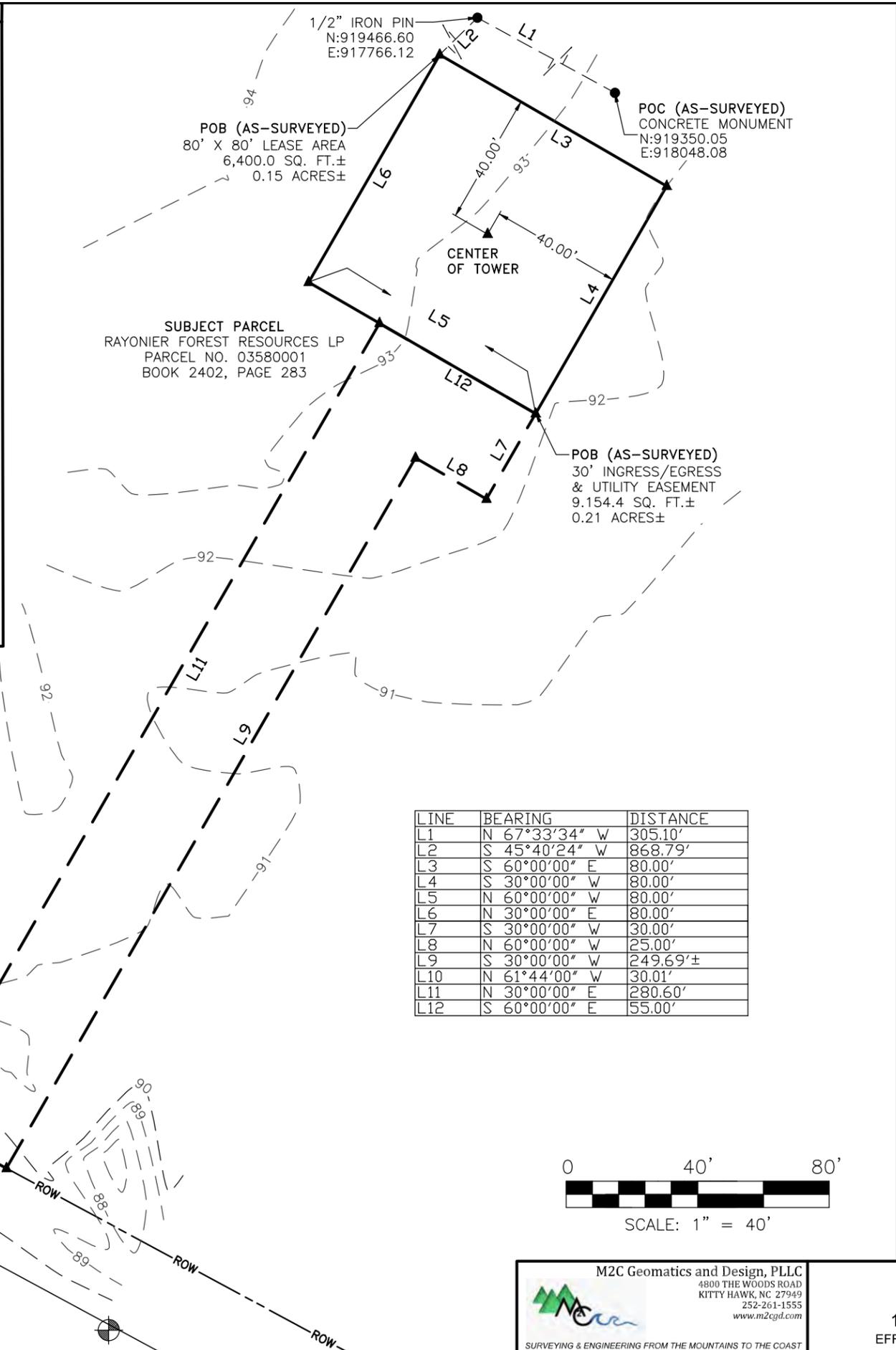
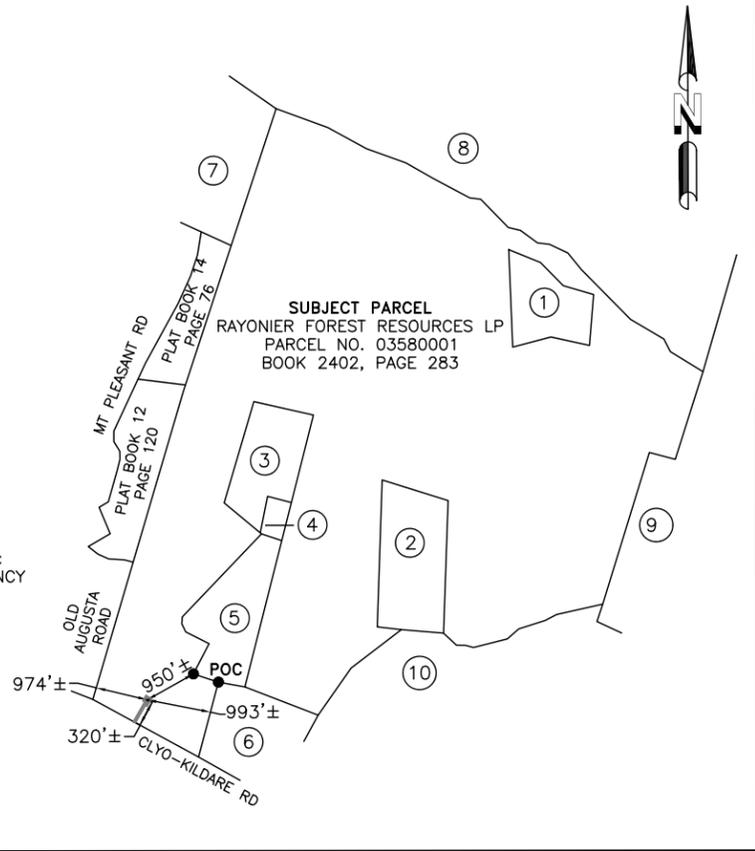
NEXTOWER DEVELOPMENT GROUP II, LLC  
 905 NW 56TH TERRACE, SUITE A  
 GAINESVILLE, FL 32605  
 PHONE: (352) 363-5560



SMW JOB #25-0533

PARENT TRACT OVERVIEW NOT TO SCALE

- 1 WURZ, CHARLES E TRUSTEE OF THE CHARLES E WURZ REVOCABLE TRUST PARCEL NO. 03800001 BOOK 2950, PAGE 822
- 2 MORGAN, ASHLEY A & NORMA JEAN PARCEL NO. 03800005 BOOK 2087, PAGE 288
- 3 HINELY, CHARLES & LORETTA PARCEL NO. 03800002 BOOK 2842, PAGE 106
- 4 HINELY, GREGORY C PARCEL NO. 03800003 BOOK 2842, PAGE 108
- 5 KESSLER, JEFF & KELBY PARCEL NO. 03800004 BOOK 2854, PAGE 476
- 6 STONE, JERRY P PARCEL NO. 03810030 BOOK 917, PAGE 231
- 7 HALL, WALTON AS TRUSTEE OF THE WALTON L. HALL REVOCABLE TRUST PARCEL NO. 03570002 BOOK 2559, PAGE 905
- 8 H AND D HUNTING CLUB INC PARCEL NO. 03790001 BOOK 284, PAGE 468
- 9 WATKINS, JOSEPH L JR. & RICHARD W & CROFT, PAMELA WATKINS & WHITTEN, NANCY PARCEL NO. 03800006 BOOK 1587, PAGE 164
- 10 PINELAND HOLDING LP PARCEL NO. 03810029 BOOK 2388, PAGE 195



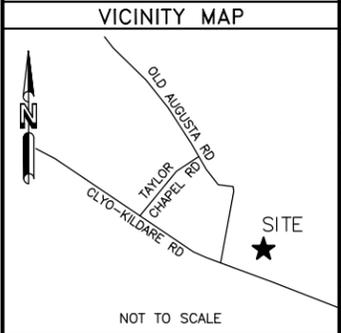
LINE	BEARING	DISTANCE
L1	N 67°33'34" W	305.10'
L2	S 45°40'24" W	868.79'
L3	S 60°00'00" E	80.00'
L4	S 30°00'00" W	80.00'
L5	N 60°00'00" W	80.00'
L6	N 30°00'00" E	80.00'
L7	S 30°00'00" W	30.00'
L8	N 60°00'00" W	25.00'
L9	S 30°00'00" W	249.69'±
L10	N 61°44'00" W	30.01'
L11	N 30°00'00" E	280.60'
L12	S 60°00'00" E	55.00'

**TOWER INFO**

CENTER OF TOWER:

LATITUDE: 32°31'23.740" NORTH  
 LONGITUDE: 81°19'11.582" WEST (NAD 83)  
 GROUND ELEVATION: 93' ABOVE MEAN SEA LEVEL (NAVD88)

SITE ADDRESS:  
 CLYO-KILDARE ROAD  
 CLYO, GA 31303



**GEORGIA EAST**

GRID NORTH

GRID TO TRUE NORTH CONVERGENCE  
 0°27'18.92989"

TRUE NORTH TO MAGNETIC DECLINATION  
 7°22' W

COMBINED SCALE FACTOR  
 0.999978000

- LEGEND**
- = 5/8" REBAR SET
  - = FOUND PROPERTY MARKER
  - POB = POINT OF BEGINNING
  - POC = POINT OF COMMENCEMENT
  - POE = POINT OF ENDING
  - ▲ = CALCULATED POINT
  - (R) = REFERENCED INFORMATION
  - (M) = MEASURED
  - ⊗ = POWER POLE
  - ⊥ = GUY ANCHOR
  - ⊞ = FIBER OPTIC CABLE MARKER
  - ⊞ = TELEPHONE PEDESTAL
  - ⊞ = TEMPORARY BENCHMARK
  - SET P.K. NAIL IN ASPHALT ELEVATION: 90.67'
- ROW --- = RIGHT-OF-WAY  
 - - - - - op - - - - - = OVERHEAD POWER

**FLOOD NOTE**

By graphic plotting only, the subject property appears to lie in Zone "X" of the Flood Insurance Rate Map Community Panel No. 13103C0075E, which bears an effective date of March 16, 2015 and IS NOT in a special flood hazard area. Zone 'X': Areas determined to be outside the 0.2% annual chance floodplain.



BY	CS
DATE	9/5/25
REVISION	TITLE
NO.	1
PROJECT NO.	25-0533
DRAWN BY: PH	CS
CHECKED BY: TM	TM
FIELD CREW: MKD	MKD
DATE: 06/12/2025	
SCALE: AS SHOWN	
SHEET 1 OF 2	

**RAWLAND TOWER SURVEY**

FOR: **NexTower**  
 905 NW 54th Terrace, Suite A  
 Greenville, SC 29615  
 Phone: 352.363.5560

**SMW Engineering Group, Inc.**  
 158 Business Center Drive  
 Birmingham, Alabama 35244  
 Ph: 205-252-6985  
 www.smweng.com

**ENGINEERING GROUP, INC.**

**M2C Geomatics and Design, PLLC**  
 4800 THE WOODS ROAD  
 KITTY HAWK, NC 27949  
 252-261-1555  
 www.m2cgd.com

SURVEYING & ENGINEERING FROM THE MOUNTAINS TO THE COAST

**CLYO NXGA-226**  
 12TH G.M. DISTRICT  
 EFFINGHAM COUNTY, GEORGIA

RESERVED FOR CLERK OF COURT RECORDING INFORMATION

**SUBJECT PARCEL (FROM TITLE)**

Derivation: This being a portion of the identical property conveyed to Rayonier Atlantic Timber Company, a Delaware corporation by deed of Fiatp Timber LLC, a Delaware limited liability company, dated April 14, 2017 and recorded April 27, 2006 in Deed Book 2402 at Page 283 in the Office of the Clerk of Superior Court for Effingham County, Georgia.

**80' X 80' LEASE AREA (AS-SURVEYED)**

Being a portion of a certain tract of land as described and recorded in Book 2402, Page 283, in the Office of the Clerk of the Superior Court, Effingham County, Georgia, and lying in the 12th G.M. District, said Effingham County, Georgia, and being more particularly described as follows;  
Commencing at a Concrete Monument found for an interior corner of said certain tract of land, and on the south line of a certain parcel of land as described and recorded in Book 2854, Page 476, in said Office of the Clerk of Superior Court, Effingham County, Georgia, and having Georgia East State Plane Coordinates of N:919350.05 E:918048.08; thence N 67°32'34" W, along said south line, a distance of 305.10 feet to a 1/2" iron pin found for an interior corner of said certain tract of land, and for the southwest corner of said certain parcel of land, having Georgia East State Plane Coordinates of N:919466.60, E:917766.12; thence S 45°40'24" W a distance of 868.79 feet to the Point of Beginning; thence S 60°00'00" E a distance of 80.00 feet to a point; thence S 30°00'00" W a distance of 80.00 feet to a point; thence N 60°00'00" W a distance of 80.00 feet to a point; thence N 30°00'00" E a distance of 80.00 feet to the Point of Beginning. Said above-described Lease Area contains 6,400.0 square feet or 0.15 acres, more or less.

**30' INGRESS/EGRESS & UTILITY EASEMENT (AS-SURVEYED)**

Being a portion of a certain tract of land as described and recorded in Book 2402, Page 283, in the Office of the Clerk of the Superior Court, Effingham County, Georgia, and lying in the 12th G.M. District, said Effingham County, Georgia, and being more particularly described as follows;  
Commencing at a Concrete Monument found for an interior corner of said certain tract of land, and on the south line of a certain parcel of land as described and recorded in Book 2854, Page 476, in said Office of the Clerk of Superior Court, Effingham County, Georgia, and having Georgia East State Plane Coordinates of N:919350.05 E:918048.08; thence N 67°32'34" W, along said south line, a distance of 305.10 feet to a 1/2" iron pin found for an interior corner of said certain tract of land, and for the southwest corner of said certain parcel of land, having Georgia East State Plane Coordinates of N:919466.60, E:917766.12; thence S 45°40'24" W a distance of 868.79 feet to a point; thence S 60°00'00" E a distance of 80.00 feet to a point; thence S 30°00'00" W a distance of 80.00 feet to a point, and the Point of Beginning; thence S 30°00'00" W a distance of 30.00 feet to a point; thence N 60°00'00" W a distance of 25.00 feet to a point; thence S 30°00'00" W a distance of 249.69 feet, more or less, to a point on the northeasterly right-of-way line of Clio-Kildare Road; thence N 61°44'00" W, along said northeasterly right-of-way line, a distance of 30.01 feet to a point; thence N 30°00'00" E a distance of 280.60 feet to a point; thence S 60°00'00" E a distance of 55.00 feet to the Point of Beginning. Said above-described Easement contains 9.154.4 square feet or 0.21 acres, more or less.

**SURVEYOR'S NOTES**

1. This is a Rawland Tower Survey, made on the ground under the supervision of a Georgia Registered Land Surveyor. Date of field survey is May 22, 2025.
2. The following surveying instruments were used at time of field visit: Topcon GM-55 and Topcon Hiper SR G.P.S. receiver, (R.T.K. network capable).
3. Bearings are based on Georgia East State Plane Coordinates NAD 83 by GPS observation.
4. No underground utilities, underground encroachments or building foundations were measured or located as a part of this survey, unless otherwise shown. Trees and shrubs not located, unless otherwise shown.
5. Benchmark used is a GPS Continuously Operating Reference Station, PID DM7137. Onsite benchmark is as shown hereon. Elevations shown are in feet and refer to NAVD 88.
6. This survey was conducted for the purpose of a Rawland Tower Survey only, and is not intended to delineate the regulatory jurisdiction of any federal, state, regional or local agency, board, commission or other similar entity.
7. Attention is directed to the fact that this survey may have been reduced or enlarged in size due to reproduction. This should be taken into consideration when obtaining scaled data.
8. This Survey was conducted with the benefit of an Abstract Title search.
9. Surveyor hereby states the Geodetic Coordinates and the elevation shown for the proposed centerline of the tower are accurate to within +/- 20 feet horizontally and to within +/- 3 feet vertically (FAA Accuracy Code 1A).
10. Survey shown hereon conforms to the Minimum Requirements as set forth by the State Board for a Class "A" Survey.
11. Field data upon which this map or plat is based has a closure precision of not less than one-foot in 15,000 feet (1':15,000') and an angular error that does not exceed 10 seconds times the square root of the number of angles turned. Field traverse was not adjusted.
12. This survey is not valid without the original signature and the original seal of a state licensed surveyor.
13. This survey does not constitute a boundary survey of the Parent Tract. Any parent tract property lines shown hereon are from supplied information and may not be field verified.

**SURVEYOR'S CERTIFICATION**

I certify that all parts of this survey and drawing have been completed in accordance with the current requirements of the Standards of Practice for Surveying in the State of Georgia to the best of my knowledge, information, and belief.

This plat is a retracement of an existing parcel or parcels of land and does not subdivide or create a new parcel or make any changes to any real property boundaries. The recording information of the documents, maps, plats, or other instruments which created the parcel or parcels are stated hereon. Recordation of this plat does not imply approval of any local jurisdiction, availability of permits, compliance with local regulations or requirements, or suitability for any use or purpose of the land. Furthermore, the undersigned land surveyor certifies that this plat complies with the minimum technical standards for property surveys in Georgia as set forth in the rules and regulations of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in O.C.G.A. Section 15-6-67.



09-10-2025

*Timothy L. Fish*  
TIMOTHY L. FISH GAPLS # 003403

RESERVED FOR CLERK OF COURT RECORDING INFORMATION

BY	DATE	REVISION	NO.
CS	9/5/25	TITLE	1
CS			
CS			
CS			

PROJECT NO. 25-0533

DRAWN BY: PH  
CHECKED BY: CS  
FIELD CREW: TM  
APPROVED BY: MKD  
DATE: 06/12/2025  
SCALE: N/A  
SHEET 2 OF 2

**PLOTTABLE EXCEPTIONS**  
Search Connect  
Title Search Report, Commitment No. 010547-11  
Date June 6, 2025 @ 8:00 am  
Schedule B, Part II

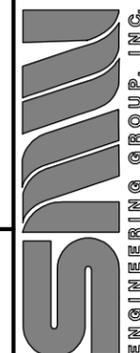
Exception No.	Instrument	Comment
1-3,16,17,19		Standard exceptions. Contain no survey matters.
④	Bk. 2402, Pg. 283 Bk. 1554, Pg. 85 Bk. 574, Pg. 348 Bk. 230, Pg. 466 Bk. 176, Pg. 74	Does affect, blanket in nature.
⑤	Bk. 318, Pg. 16	Does not affect the lease area or easement.
⑥	Bk. 317, Pg. 491	Does not affect the lease area or easement.
⑦	Bk. 313, Pg. 564	Does not affect the lease area or easement.
⑧	Bk. 284, Pg. 468	Does not affect the lease area or easement.
⑨	Bk. 317, Pg. 494	Does not affect the lease area or easement.
⑩	Bk. 98, Pg. 340 Bk. 98, Pg. 364	Supportive document not supplied.
⑪	Bk. 110, Pg. 418	Supportive document not supplied.
⑫	Bk. 176, Pg. 74	Does affect, blanket in nature.
⑬	Bk. 284, Pg. 468	Does not affect the lease area or easement.
⑭	Bk. 1554, Pg. 110 Bk. 2402, Pg. 299 Bk. 2560, Pg. 775	Does affect, blanket in nature.
⑮	Bk. 2463, Pg. 481 Bk. 2591, Pg. 122	Does affect, blanket in nature.
⑱	Plat Cab. A, Pg. 180E Plat Bk. 11, Pg. 62	Contains no easements or encumbrances that affect.

RAWLAND TOWER SURVEY

FOR: **NexTower**  
905 NW 54th Terrace, Suite A  
Gainesville, FL 32605  
Phone: 352.363.5560

YOUR SIGNAL IS OUR EXPERIENCE

SMW Engineering Group, Inc.  
158 Business Center Drive  
Birmingham, Alabama 35244  
Ph: 205-252-6985  
www.smweng.com



M2C Geomatics and Design, PLLC  
4800 THE WOODS ROAD  
KITTY HAWK, NC 27949  
252-261-1555  
www.m2cgd.com

SURVEYING & ENGINEERING FROM THE MOUNTAINS TO THE COAST

CLYO  
NXGA-226  
12TH G.M. DISTRICT  
EFFINGHAM COUNTY, GEORGIA

GENERAL NOTES:

- FOR THE PURPOSES OF THESE CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:  
 OWNER - NEXTOWER  
 ENGINEER - SMW ENGINEERING GROUP, INC.  
 CONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
- PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE JOB SITE IN ORDER TO (1) VERIFY ALL EXISTING CONDITIONS, (2) CONFIRM WHETHER ALL DIMENSIONS ARE AS SHOWN ON THE PLANS AND (3) CONFIRM WHETHER THE WORK MAY BE ACCOMPLISHED AS SHOWN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER.
- A 20-FOOT HORIZONTAL CLEARANCE DISTANCE SHALL BE MAINTAINED FROM ALL EXISTING POWER LINES.
- THE CONTRACTOR'S USE OF A CONSTRUCTION STAGING AREA SHALL BE COORDINATED WITH THE OWNER WELL IN ADVANCE OF THE CONSTRUCTION START DATE.
- LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION AND TEMPORARY POWER SERVICES NECESSARY FOR AND INCIDENTAL TO COMPLETION OF ALL WORK SHALL BE PROVIDED AS INDICATED ON THE DRAWINGS AND/OR AS SPECIFIED HEREIN. LABOR AND MATERIALS SHALL BE FURNISHED AS REQUIRED FOR COMPLETE SYSTEMS, INCLUDING ALL ELEMENTS OBVIOUSLY OR REASONABLY INCIDENTAL TO A COMPLETE INSTALLATION, WHETHER OR NOT SPECIFICALLY INDICATED ON THE PLANS.
- FOR TASKS REQUIRED TO BE PERFORMED BUT NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOT START WORK ON SUCH TASKS WITHOUT HAVING RECEIVED WRITTEN AUTHORIZATION FROM THE CONSTRUCTION MANAGER TO PROCEED.
- THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND EQUIPMENT UNLESS OTHERWISE INDICATED BY DIMENSIONS OR DETAILS. EXACT EQUIPMENT LOCATIONS MAY BE MODIFIED AS REQUIRED BY ACTUAL FIELD CONDITIONS. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION FOR APPROVAL BY THE ENGINEER AND THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER ALL REQUIRED PERMITS, CERTIFICATES OF INSPECTION, INCLUDING UTILITY CONNECTION FEES, ETC., REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND SHALL DELIVER SUCH DOCUMENTS TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK.
- THE CONTRACTOR'S OPERATIONS SHALL BE CONFINED TO AREAS OF NEW CONSTRUCTION.
- ALL NECESSARY PROVISIONS SHALL BE MADE TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, GALVANIZED SURFACES, ETC. AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SAME RESULTING FROM THE CONSTRUCTION WORK. ALL DISTURBED AND DAMAGED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER UPON COMPLETION OF ALL WORK TO THE SATISFACTION OF THE CONSTRUCTION MANAGER.
- THE FOLLOWING CLEANUP TASKS SHALL BE PERFORMED AS FOLLOWS: (1) ON A DAILY BASIS, KEEP THE GENERAL AREA CLEAN AND HAZARD FREE, REMOVING ALL WASTE, DEBRIS AND TRASH FROM THE SITE AND DISPOSING OF SAME IN A LEGAL MANNER. (2) UPON COMPLETION, LEAVE THE PREMISES IN A CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE. (3) UPON COMPLETION, CONSTRUCTION AND CONSTRUCTION STAGING AREA SHALL BE LEFT IN AS GOOD OR BETTER CONDITION THAN PRIOR TO CONSTRUCTION.
- ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATIONS EXCEPT WHERE IT IS SPECIFICALLY INDICATED OTHERWISE IN THE CONTRACT DOCUMENTS OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.
- ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY HAVING JURISDICTION OVER THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AS WELL AS LOCAL AND STATE CODES, ORDINANCES AND APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AT ALL TIMES, USING THE BEST SKILLS AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR ALL OF THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK, INCLUDING CONTACT AND COORDINATION WITH THE CONSTRUCTION MANAGER AND WITH THE OWNER'S AUTHORIZED REPRESENTATIVE.
- WITHIN TEN (10) WORKING DAYS AFTER PROJECT COMPLETION, THE CONTRACTOR SHALL PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS, SWEEP TEST, CYLINDER TESTS, LIEN RELEASES, AND OTHER CLOSEOUT DOCUMENTATION AS REQUIRED BY THE OWNER. ALL SYSTEMS SHALL BE COMPLETELY ASSEMBLED, TESTED, ADJUSTED AND DEMONSTRATED TO BE READY FOR OPERATION PRIOR TO THE OWNER'S ACCEPTANCE.

SITE WORK NOTES:

- THE APPROPRIATE UTILITY LOCATING SERVICES SHALL BE CONTACTED PRIOR TO THE START OF CONSTRUCTION IN ORDER TO VERIFY THE EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITIES.
- THE INSTALLATION OF NEW UTILITIES SHALL BE COORDINATED WITH LOCAL AUTHORITIES.
- ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES. WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SUCH UTILITIES SHALL BE RELOCATED AS DIRECTED BY THE CONSTRUCTION MANAGER. EXTREME CAUTION SHALL BE USED WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES.
- RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES THAT INTERFERE WITH THE EXECUTION OF THE WORK SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS THAT WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE LANDLORD AND/OR LOCAL UTILITIES.
- DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION SHALL BE MINIMIZED.
- ANY AREAS OF THE CONSTRUCTION SITE DISTURBED BY THE WORK AND NOT COVERED BY THE TOWER, EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE. SUCH GRADING SHALL CAUSE SURFACE WATER TO FLOW AWAY FROM ANY EQUIPMENT SHELTER AND TOWER AREAS AND THE SOIL SHALL BE STABILIZED TO PREVENT EROSION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.
- THE SUB-GRADE SHALL BE COMPACTED AND BROUGHT TO A UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
- BACKFILL SHALL CONSIST OF CLEAN SAND FILL APPROVED FOR USE BY THE ENGINEER. NO UNAPPROVED MATERIAL WILL BE ALLOWED. CLEAN SAND FILL SHALL BE FREE OF ALL ROOTS, BOULDERS, OR OTHER DELETERIOUS MATERIAL.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EQUAL TO OR BETTER CONDITION THAN ORIGINAL.
- SITE SIGNAGE SHALL BE PROVIDED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR SUCH SIGNAGE AS MAY BE CONTAINED IN THESE DRAWINGS.
- IN THE EVENT THAT ARCHAEOLOGICAL AND HISTORICAL RESOURCES ARE ENCOUNTERED DURING GROUND DISTURBING ACTIVITIES, ALL WORK SHALL HALT AND THE COUNTY ENVIRONMENTAL DIVISION SHALL BE CONTACTED IMMEDIATELY.

STRUCTURAL STEEL NOTES:

- MATERIAL:
  - ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE LATEST EDITION OF THE AISC "STEEL CONSTRUCTION MANUAL".
  - ALL STRUCTURAL STEEL WF BEAMS SHALL BE ASTM A992 AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
  - ALL STRUCTURAL PLATES, ANGLES, AND CHANNELS SHALL BE ASTM A36 AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
  - ALL TS MEMBERS SHALL BE ASTM A500 GRADE B (Fy=46ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
  - ALL STRUCTURAL PIPE MEMBERS SHALL BE ASTM A500 GRADE B (Fy=42ksi), AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
  - ALL NON\_STRUCTURAL PIPE MEMBERS SHALL BE ASTM A53 GRADE B, AND "HOT DIPPED" GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STANDARDS.
- DESIGN, FABRICATION, AND CONSTRUCTION OF ALL CONNECTIONS SHALL CONFORM TO AISC STEEL CONSTRUCTION MANUAL.
- WELDING:
  - ALL WELDS, WELDERS, AND WELD INSPECTIONS SHALL CONFORM TO THE REQUIREMENTS OF AWS D 1.1, LATEST REVISION.
  - ALL WELDS SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES.
  - ALL STEEL SHALL BE SPRAY GALVANIZED AFTER WELDING.
- ALL BOLTS SHALL BE GALVANIZED 3/4" DIAMETER, A325-N, UNLESS NOTED OTHERWISE AND TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC. SECURE NUT WITH LOCKING WASHER.
- ANCHOR BOLTS SHALL CONFORM TO ASTM A307, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR/STEEL FABRICATOR SHALL LOCATE ANY REINFORCEMENT IN THE STRUCTURAL MEMBERS IN SUCH A MANNER SO THAT THERE WILL NOT BE CONFLICT WITH THE REINFORCEMENT WHEN INSTALLING ANCHORS. THE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTION.
- THE CONTRACTOR/STEEL FABRICATOR SHALL CONFORM TO THE MINIMUM EDGE DISTANCE REQUIREMENTS IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED TO FIT AT BOLTED CONNECTIONS WITHIN 1/16" INCH TOLERANCE. STRUCTURAL STEEL SHALL NOT BE FLAME CUT UNDER ANY CIRCUMSTANCES WITHOUT APPROVAL OF THE ENGINEER.
- THE CONTRACTOR/STEEL FABRICATOR SHALL CAP OR SEAL ALL PIPES AS REQUIRED TO PREVENT RAINWATER INTRUSION.
- THE CONTRACTOR/STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO ANY STEEL FABRICATION. AT THE CONTRACTOR'S OPTION, FIELD SPLICES MAY BE USED FOR ERECTION PURPOSES. IF FIELD SPLICES ARE USED, THE SHOP DRAWINGS SHALL INCLUDE ALL DETAILS FOR THE PROPOSED FIELD SPLICES.
- AT THE CONTRACTOR'S OPTION, SHOP WELDS MAY BE USED INSTEAD OF FIELD WELDS.
- SUBMIT ORIGINAL SHOP DRAWINGS, INCLUDING COMPLETE DETAILS, SCHEDULES OF FABRICATION AND ASSEMBLY, PROCEDURES, AND DIAGRAMS. INCLUDE DETAILS OF CUTS, CONNECTIONS, CAMBER, HOLE, AND OTHER PERTINENT DATA. INDICATE WELDS BY STANDARD AWS A2.1 AND A2.4 SYMBOLS, AND SHOW SIZE, LENGTH, AND TYPE OF WELD. PROVIDE SETTING DRAWINGS, TEMPLATES, AND DIRECTIONS FOR INSTALLATION OF ANCHOR BOLTS AND OTHER ANCHORAGES TO BE INSTALLED AS WORK OF OTHERS' SECTIONS.



905 NW 56TH TERRACE, SUITE A  
GAINESVILLE, FL 32605



TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 www.smweng.com

NEXTOWER SITE NAME  
CLYO  
NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625



10/29/25

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

GENERAL NOTES

SHEET NUMBER:

G-1

SMW JOB #25-0533



SUBJECT PROPERTY IS LOCATED IN PANEL #13103C0075E, DATED 03/16/2015 AND IS IN THE BASE FLOOD ZONE "X" AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

NOTE: INFORMATION FOR SITE PLAN TAKEN FROM A SURVEY BY SMW ENGINEERING, DATED 09/10/25

**TOWER SETBACKS:**  
 CENTER OF TOWER TO PARENT TRACT LINE  
 NORTH..... 950'±  
 EAST..... 993'±  
 SOUTH..... 320'±  
 WEST..... 974'±

NOTE: THERE ARE NO RESIDENTIAL STRUCTURES WITHIN 1000' OF THE PROPOSED TOWER

400' 0' 200' 400'  
 FOR 24"x36" DRAWINGS  
 GRAPHIC SCALE: 1" = 200'  
 FOR 11"x17" DRAWINGS  
 GRAPHIC SCALE: 1" = 400'

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 GAINESVILLE, FL 32605

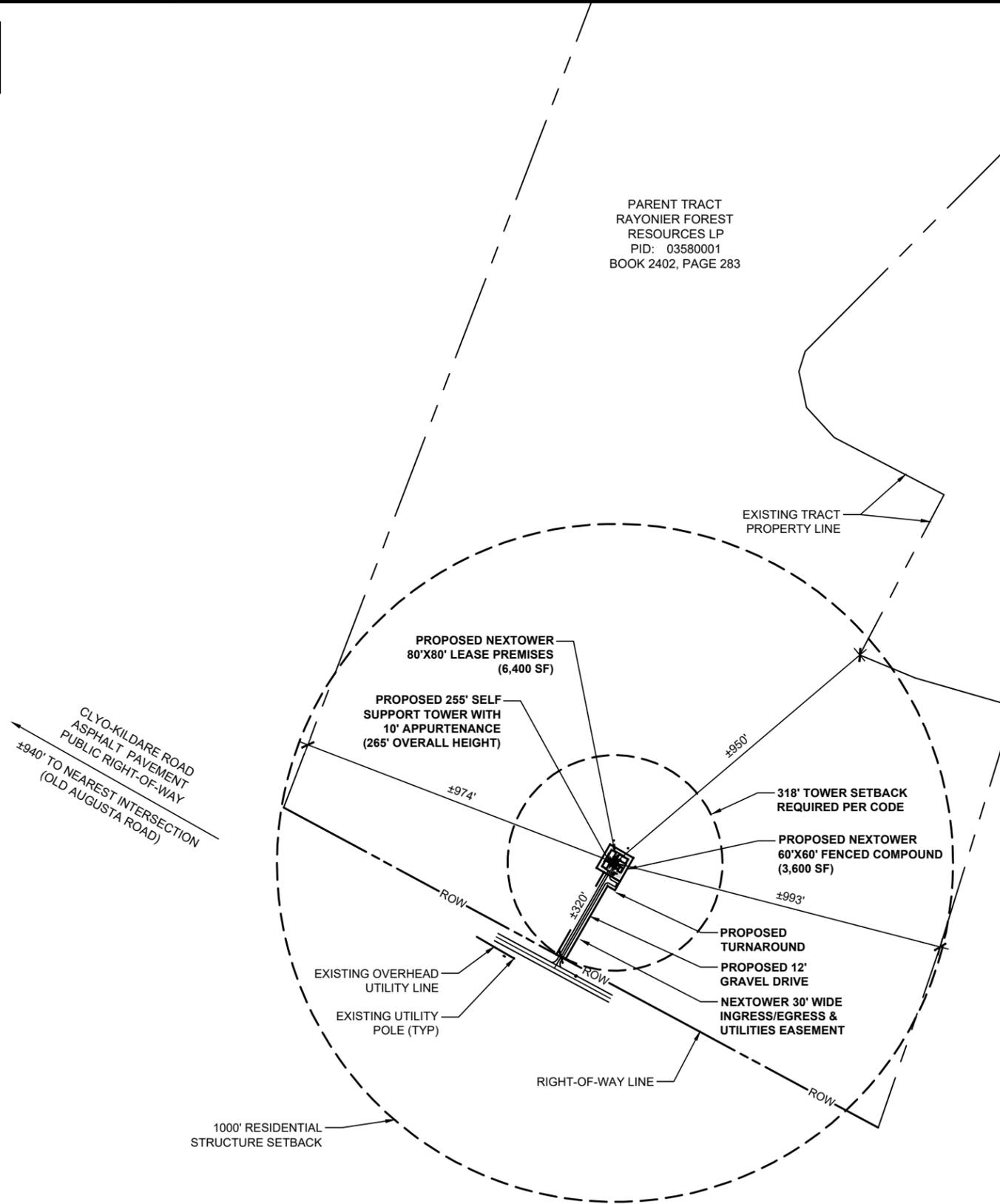
PARENT TRACT  
 RAYONIER FOREST  
 RESOURCES LP  
 PID: 03580001  
 BOOK 2402, PAGE 283

**SMW**  
 ENGINEERING GROUP, LLC  
 TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
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NEXTOWER SITE NAME  
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 SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
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0	CONSTRUCTION	CLW	10/29/25



CA# PEF005625



10/29/25

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OVERALL SITE PLAN

SHEET NUMBER:

C-1.1

1 OVERALL SITE PLAN



SMW JOB #25-0533

SUBJECT PROPERTY IS LOCATED IN PANEL #13103C0075E, DATED 03/16/2015 AND IS IN THE BASE FLOOD ZONE "X" AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

NOTE: INFORMATION FOR SITE PLAN TAKEN FROM A SURVEY BY SMW ENGINEERING, DATED 09/10/25

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 NORTH..... 950'±  
 EAST..... 993'±  
 SOUTH..... 320'±  
 WEST..... 974'±

NOTE: THERE ARE NO RESIDENTIAL STRUCTURES WITHIN 1000' OF THE PROPOSED TOWER

400' 0' 200' 400'  
 FOR 24"x36" DRAWINGS  
 GRAPHIC SCALE: 1" = 200'  
 FOR 11"x17" DRAWINGS  
 GRAPHIC SCALE: 1" = 400'

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NEXTOWER SITE NAME  
 CLYO  
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 SITE ADDRESS  
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 SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

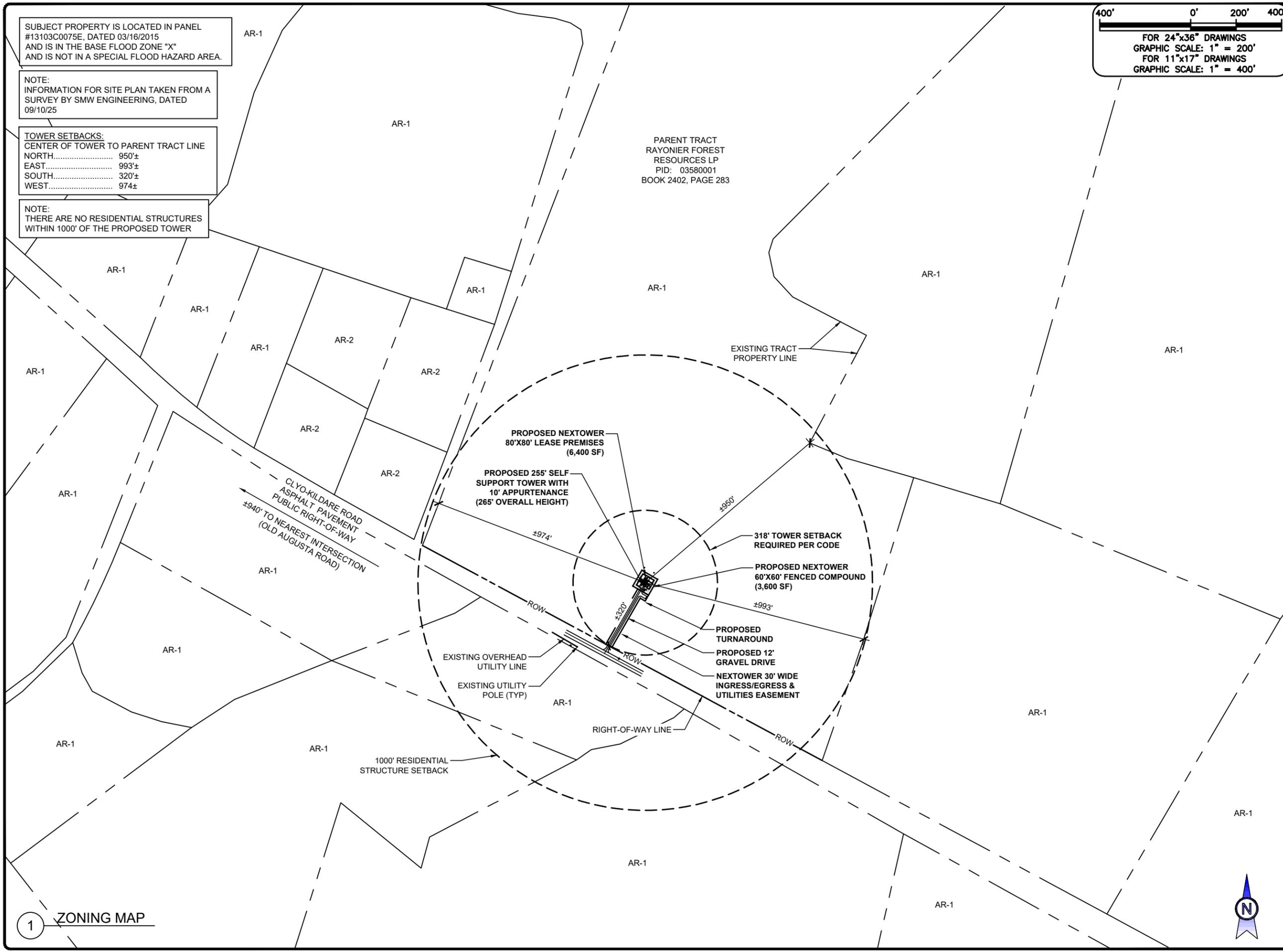
CA# PEF005625



*Jeremy D. Sharp*  
 10/29/25

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PARENT TRACT  
 RAYONIER FOREST  
 RESOURCES LP  
 PID: 03580001  
 BOOK 2402, PAGE 283



1 ZONING MAP



ZONING MAP

SHEET NUMBER:  
**C-1.2**

SMW JOB #25-0533

SUBJECT PROPERTY IS LOCATED IN PANEL #13103C0075E, DATED 03/16/2015 AND IS IN THE BASE FLOOD ZONE "X" AND IS NOT IN A SPECIAL FLOOD HAZARD AREA.

NOTE: INFORMATION FOR SITE PLAN TAKEN FROM A SURVEY BY SMW ENGINEERING, DATED 09/10/25

**TOWER SETBACKS:**  
 CENTER OF TOWER TO PARENT TRACT LINE  
 NORTH..... 950±  
 EAST..... 993±  
 SOUTH..... 320±  
 WEST..... 974±

NOTE: THERE ARE NO RESIDENTIAL STRUCTURES WITHIN 1000' OF THE PROPOSED TOWER

80' 0' 40' 80'  
 FOR 24"x36" DRAWINGS  
 GRAPHIC SCALE: 1" = 40'  
 FOR 11"x17" DRAWINGS  
 GRAPHIC SCALE: 1" = 80'

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NEXTOWER SITE NAME  
 CLYO  
 NEXTOWER SITE NUMBER  
 NXGA-226  
 SITE ADDRESS  
 CLYO-KILDARE ROAD  
 SHAWNEE, GA 31303

ISSUED FOR:

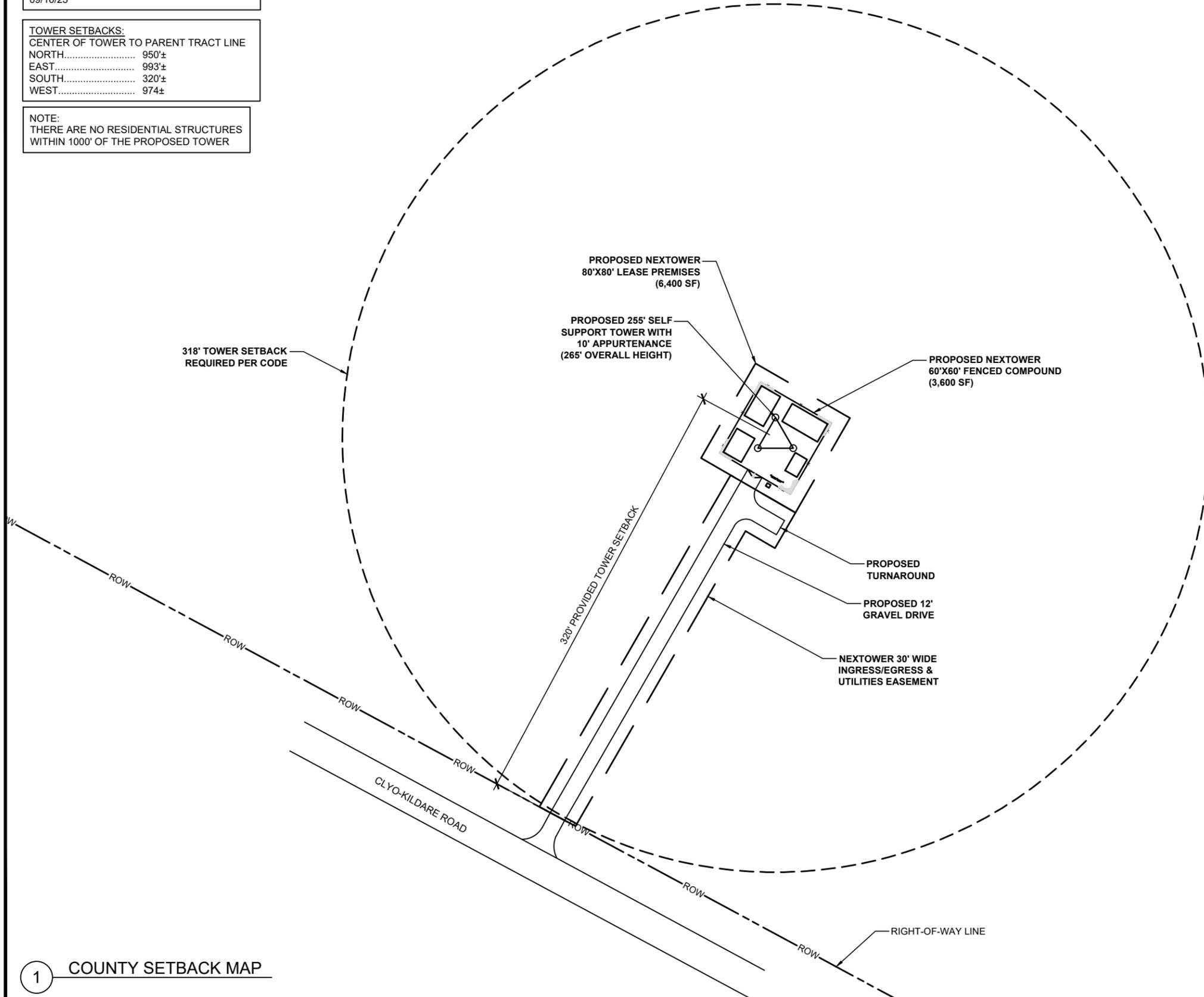
REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
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0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625



10/29/25

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1 COUNTY SETBACK MAP



COUNTY SETBACK MAP

SHEET NUMBER:  
**C-1.3**

SMW JOB #25-0533



## PROPOSED SITE CALCULATIONS

TOTAL LEASE AREA  
6,400 S.F. OR 0.15 AC

TOTAL COMPOUND AREA  
3,600 S.F. OR 0.08 AC

TOTAL COMPOUND IMPERVIOUS AREA  
(INCLUDING FUTURE AREAS)  
1,334.62 S.F. OR 0.03 AC

TOTAL COMPOUND SEMI-IMPERVIOUS AREA  
2,265.38 S.F. OR 0.05 AC

TOTAL ACCESS DRIVE SEMI-IMPERVIOUS AREA  
3,884.68 S.F. OR 0.09 AC

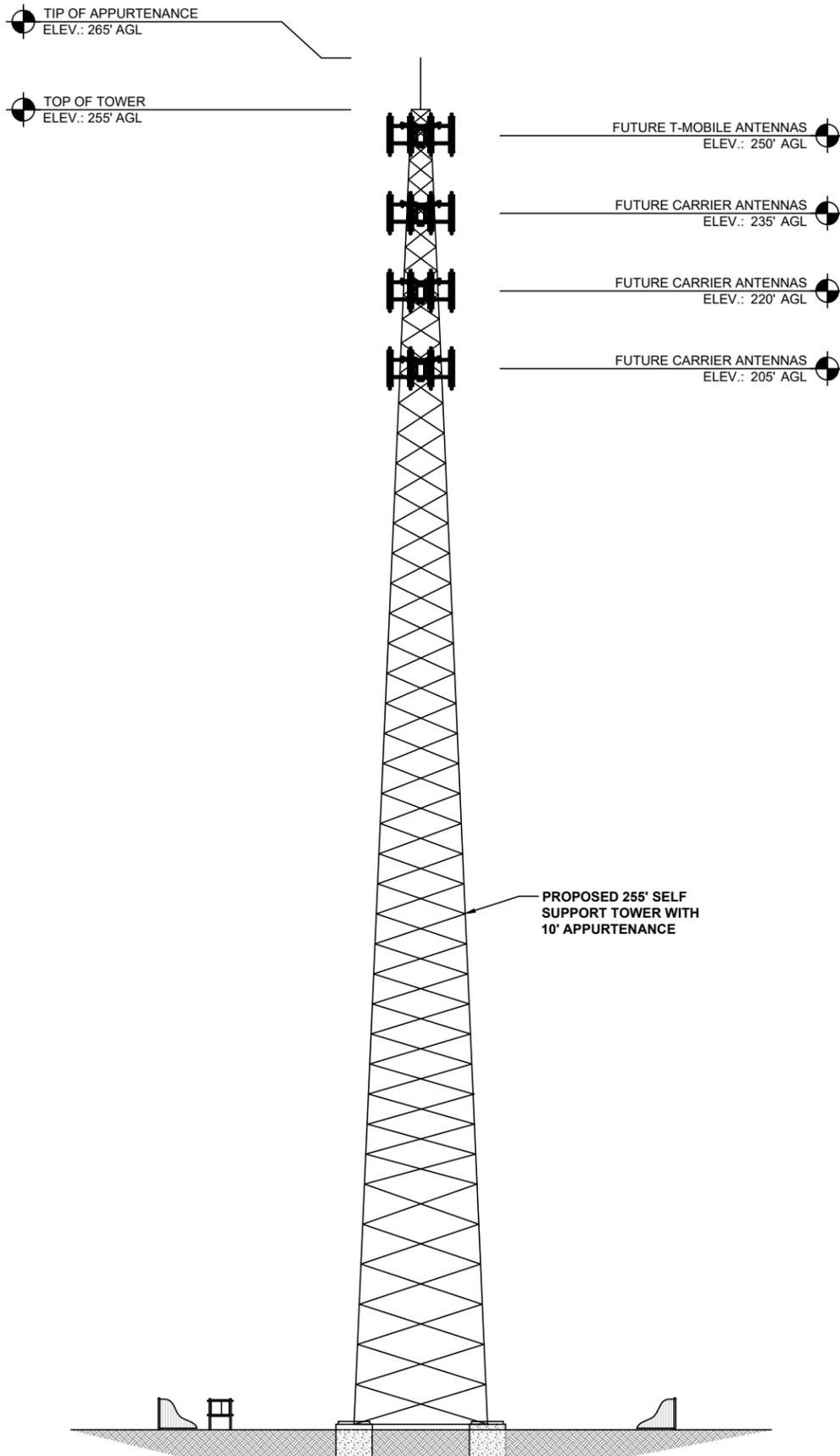
OVERALL TOTAL IMPERVIOUS / SEMI-IMPERVIOUS AREA  
7,484.68 S.F. OR 0.17 AC

## SITE DATA

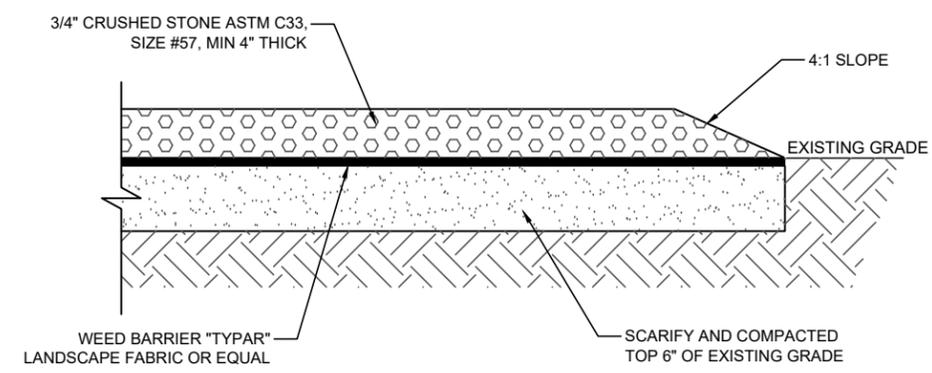
- PARCEL ID NUMBER: 03580001**  
**TOWER LEASE AREA: 6,400 SF**  
**COMPOUND AREA: ±3,600 SF**  
**PROPOSED IMPERVIOUS: ±7,484.68 SF**  
**JURISDICTION: EFFINGHAM COUNTY**  
**PROPERTY OWNER:**  
 RAYONIER FOREST RESOURCES LP  
 1 RAYONIER WAY  
 WILDLIGHT, FL 32097
- VEHICULAR USE:**  
APPROXIMATE ONE TO THREE SITE VISITS PER MONTH
- WATER AND SEWER:**  
COMMUNICATION FACILITY SHALL NOT BE SERVICED BY WATER OR SEWER
- USE:**  
UNMANNED TELECOMMUNICATIONS RELAY EQUIPMENT
- STORM WATER MANAGEMENT:**  
TOWER OWNER SHALL ENSURE THAT THE SITE SHALL COMPLY WITH ALL STATE AND LOCAL JURISDICTION STORM WATER REGULATIONS
- FAA NOTE:**  
TOWER OWNER SHALL ENSURE THAT THE SITE SHALL COMPLY TO ALL APPLICABLE FAA REGULATIONS
- TOWER OWNER TO ENSURE THAT THE PROPOSED ANTENNA INSTALLATION SHALL NOT INTERFERE WITH PUBLIC SAFETY COMMUNICATIONS AND THE USUAL AND CUSTOMARY TRANSMISSION RECEPTION OF RADIO AND TELEVISION IN THE VICINITY**
- INFORMATION FOR CONSTRUCTION PLANS TAKEN FROM A SURVEY COMPLETED BY SMW ENGINEERING, INC., DATED 09/10/25**
- TOWER OWNER TO ENSURE THAT THE TOWER SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PROVISIONS OF STANDARD CODES. REFER TO SHEET T1.**
- SETBACKS (CLOSEST CAISSON TO PARENT TRACT LINE):**  
 CENTER OF TOWER:  
 NORTH.....950'±  
 WEST.....974±  
 SOUTH.....320'±  
 EAST.....993'±

### NOTES:

- TOWER WILL REQUIRE NAVIGATIONAL HAZARD LIGHTING PER FAA REQUIREMENTS.
- TOWER SHALL HAVE A GALVANIZED FINISH COLOR.
- TOWER SHALL BE DESIGNED FOR COLOCATION OF (4) CARRIERS.



1 TOWER ELEVATION



2 COMPOUND GRAVEL DETAIL  
SCALE: N.T.S.



1" BORDER - 3" RADII  
 COLOR:  
 BACKGROUND/ WHITE  
 LEGEND AND BORDER/ BLACK

ALL LETTERS 1 1/2" SERIES C PER FDOT  
 INDEX NUMBER 17355

1" SPACING BETWEEN LINES OF TEXT

**NOTE:**  
 CONTRACTOR TO COORDINATE SITE SIGNAGE WITH NEXTOWER CM. NEXTOWER TO PROVIDE RF AND IDENTIFICATION SIGNS AT TIME OF CONSTRUCTION.

3 GATE SIGNAGE DETAIL  
SCALE: N.T.S.

**NexTower**  
 YOUR SIGNAL IS OUR EXPERIENCE  
 905 NW 56TH TERRACE, SUITE A  
 GAINESVILLE, FL 32605

**SMW**  
 ENGINEERING GROUP, LLC  
 TOGETHER PLANNING A BETTER TOMORROW  
 158 BUSINESS CENTER DRIVE  
 BIRMINGHAM, AL 35244  
 TEL: 205-252-6985 www.smweng.com

NEXTOWER SITE NAME  
 CLYO

NEXTOWER SITE NUMBER  
 NXGA-226

SITE ADDRESS  
 CLYO-KILDARE ROAD  
 SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625

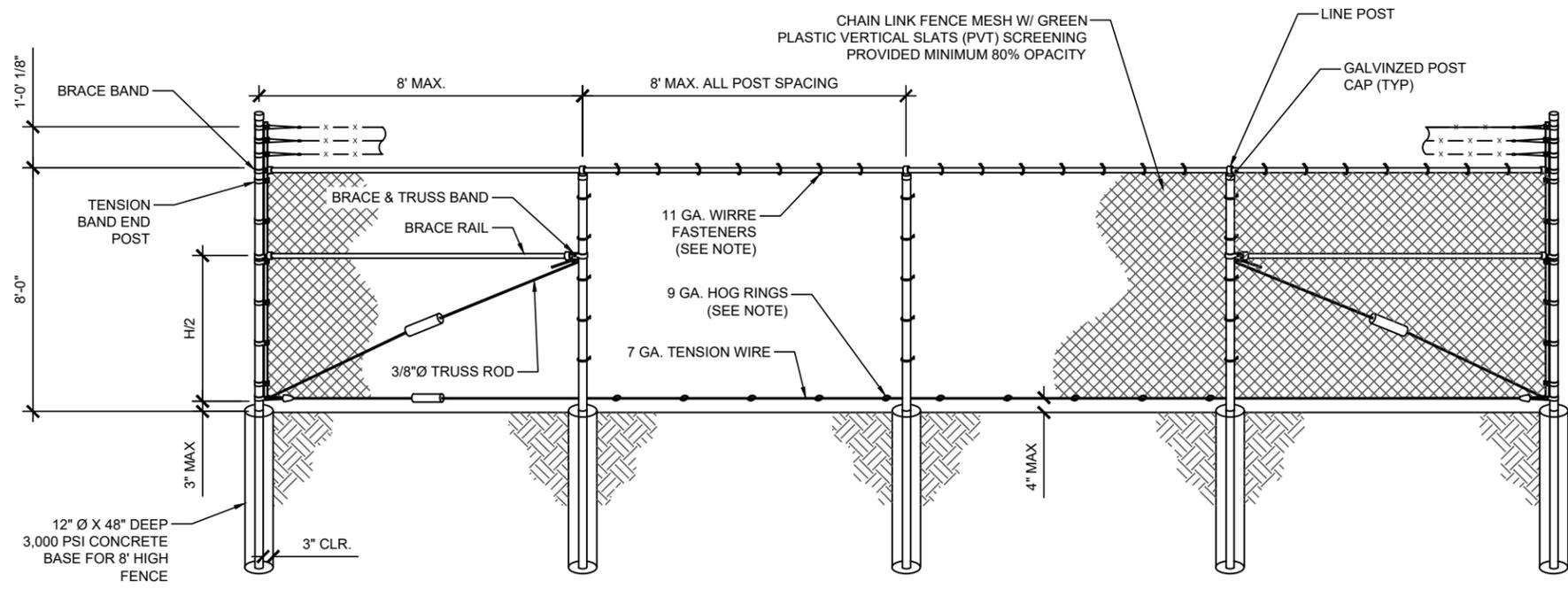
**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
 No. PE37206  
 JEREMY D. SHARP  
 10/29/25

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TOWER ELEVATION

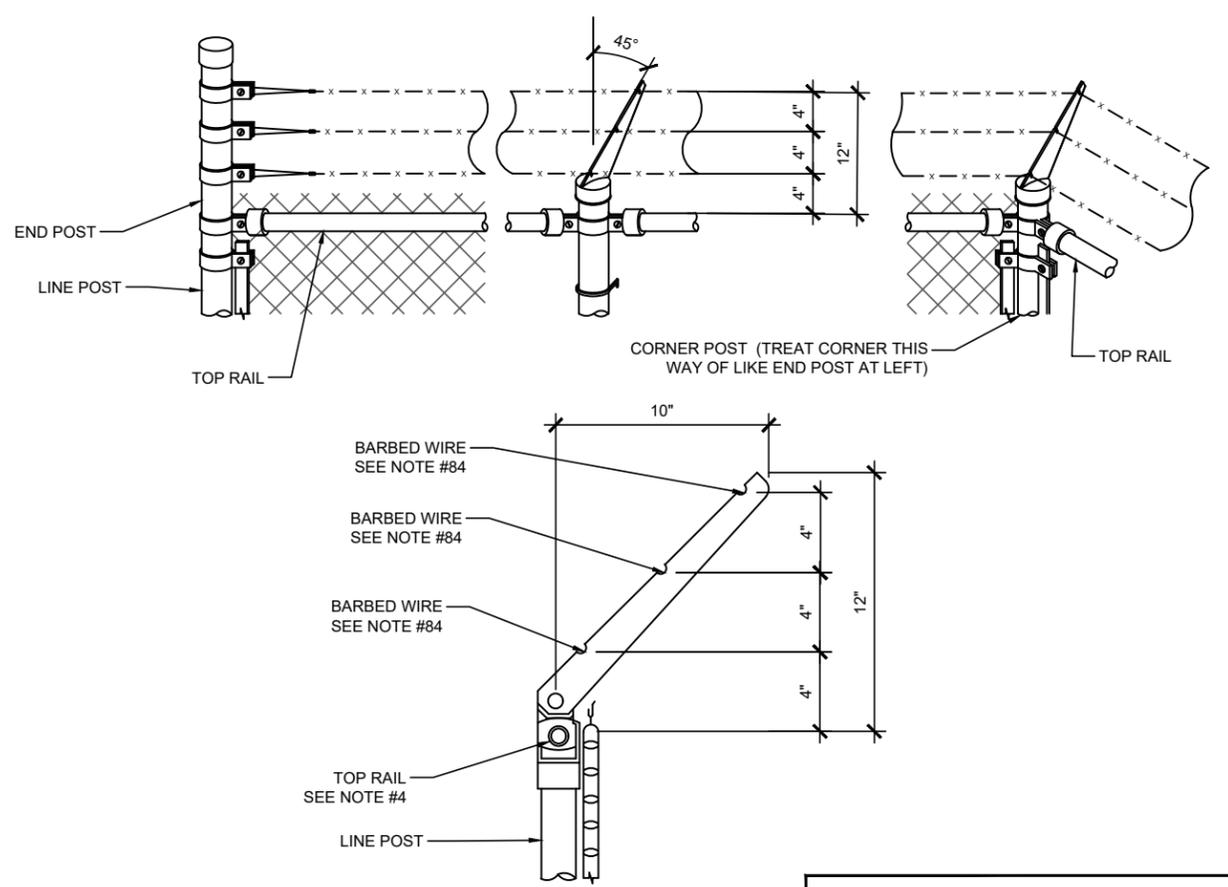
SHEET NUMBER:  
**C-3**

SMW JOB #25-0533



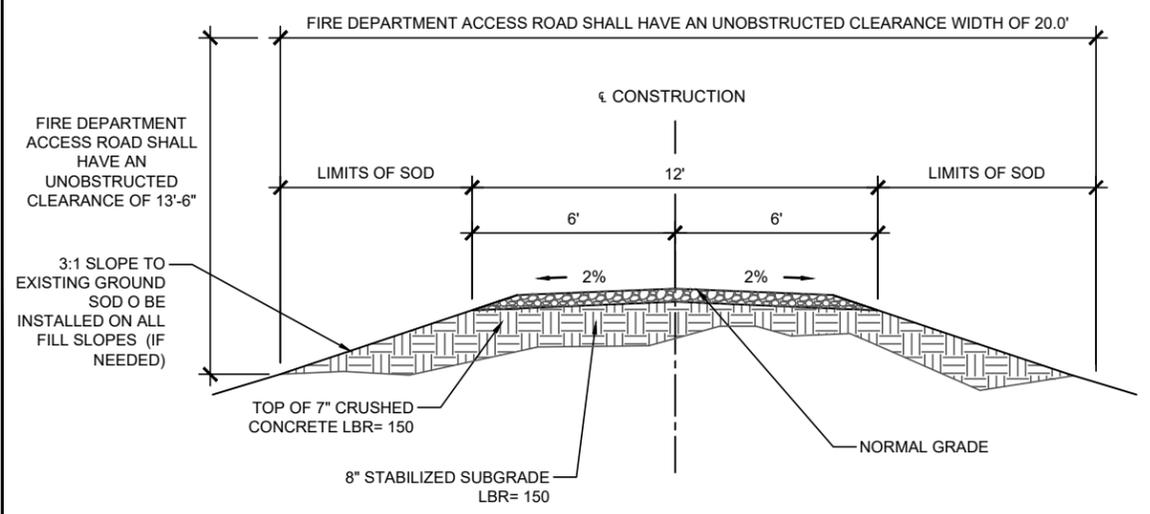
- FENCE NOTES:
- GATE POST, CORNER, TERMINAL OR PULL POST SHALL BE 2 7/8"Ø SCHEDULE 40 PIPE FOR GATE WIDTHS UP TO 8 FEET OR 12 FEET FOR DOUBLE SWING GATE PER ASTM-F1083.
  - LINE POST: 2 3/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083.
  - GATE FRAME: 1 1/2"Ø SCHEDULE 40 PIPE PER ASTM-F1083. & ASTM F900.
  - TOP RAIL & BRACE RAIL: 1 3/8"Ø SCHEDULE 40 PIPE PER ASTM-F1083.
  - FABRIC: 2" MESH No. 9 GAGE GALVANIZED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POST, BARS CONFORMING TO ASTM-A392, & AASHTO M 181.
  - TIE WIRE: MINIMUM 11 GA GALVANIZED STEEL. INSTALL A SINGLE WRAP TIE WIRE AT POSTS AND RAILS AT MAX. 12" INTERVALS VERT & 20" HORIZ. INSTALL HOG RINGS ON TENSION WIRE AT 20" INTERVALS.
  - TENSION WIRE: 7 GA. GALVANIZED STEEL.
  - BARBED WIRE: 3 STRANDS OF DOUBLE STRANDED 12 1/2 GAUGE TWISTED WIRE, 4 PT. BARBS SPACED ON APPROXIMATELY 5" CENTERS CONFORMING TO AASHTO M 280.
  - LOCAL ORDINANCE FOR BARBED WIRE PERMIT SHALL GOVERN INSTALLATION.
  - INSTALL FENCING PER CURRENT BUILDING CODE

1 FENCE DETAILS & NOTES  
SCALE: N.T.S.



- NOTES:
- SLOPE TOP OUT OF COMPOUND AT 45°.
  - BARBED WIRE OVER GATES SHALL NOT BE SLOPED.

2 BARBED WIRE TOP DETAIL  
SCALE: N.T.S.



3 GRAVEL ACCESS DRIVE  
SCALE: N.T.S.



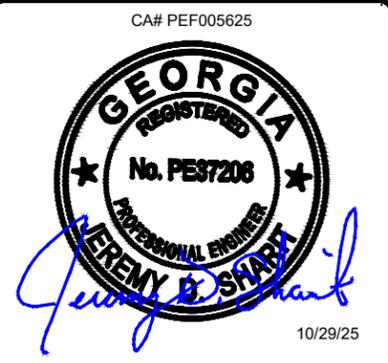
NEXTOWER SITE NAME  
CLYO

NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

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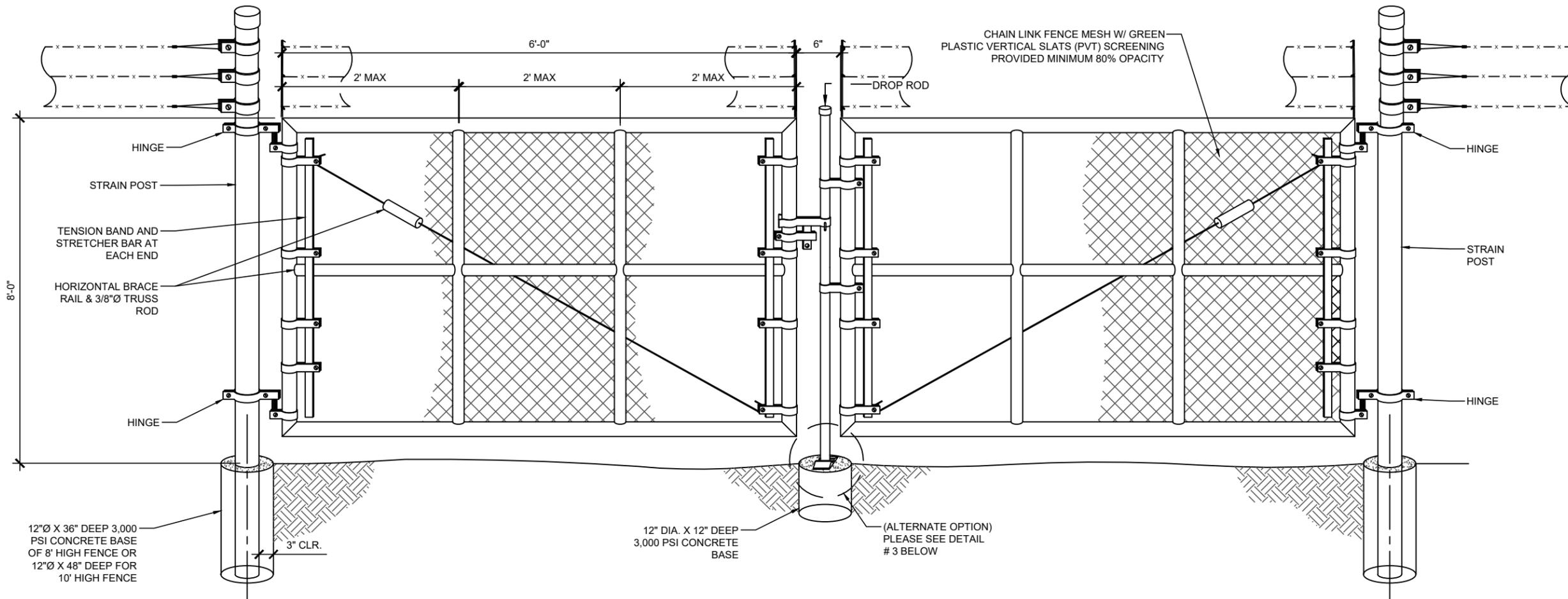


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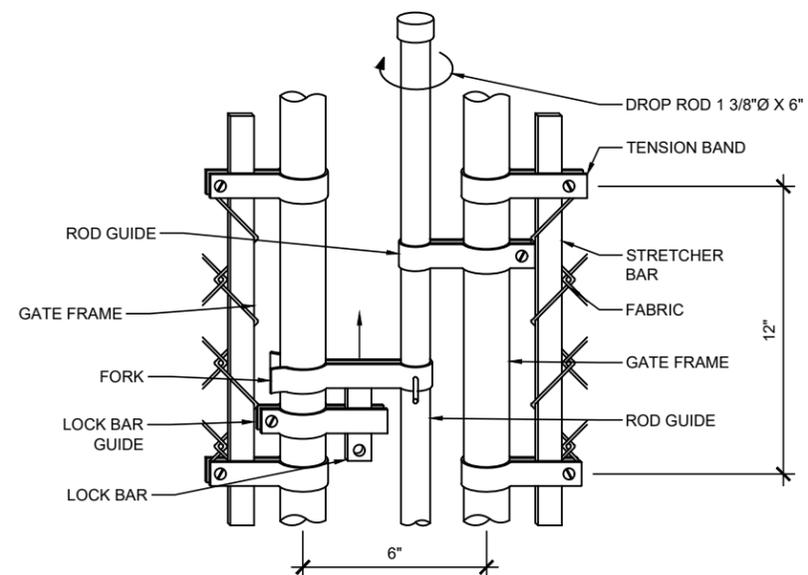
FENCE DETAILS

SHEET NUMBER:  
C-4

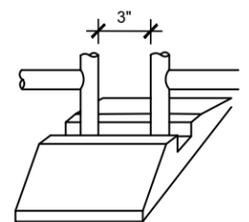
SMW JOB #25-0533



1 **DOUBLE GATE DETAIL**  
SCALE: N.T.S.



2 **TYPICAL DROP ROD ASSEMBLY**  
SCALE: N.T.S.



NOTE:  
DROP ROD IS OPTIONAL IF GATE  
FRAMES EXTEND DOWN TO  
CENTER REST. USE LATCH SHOWN  
FOR WALK OR SINGLE GATE

3 **DETAIL**  
SCALE: N.T.S.

**NexTower**  
YOUR SIGNAL IS OUR EXPERIENCE  
905 NW 56TH TERRACE, SUITE A  
GAINESVILLE, FL 32605

**SMW**  
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158 BUSINESS CENTER DRIVE  
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TEL: 205-252-6985 www.smweng.com

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NEXTOWER SITE NUMBER  
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SITE ADDRESS  
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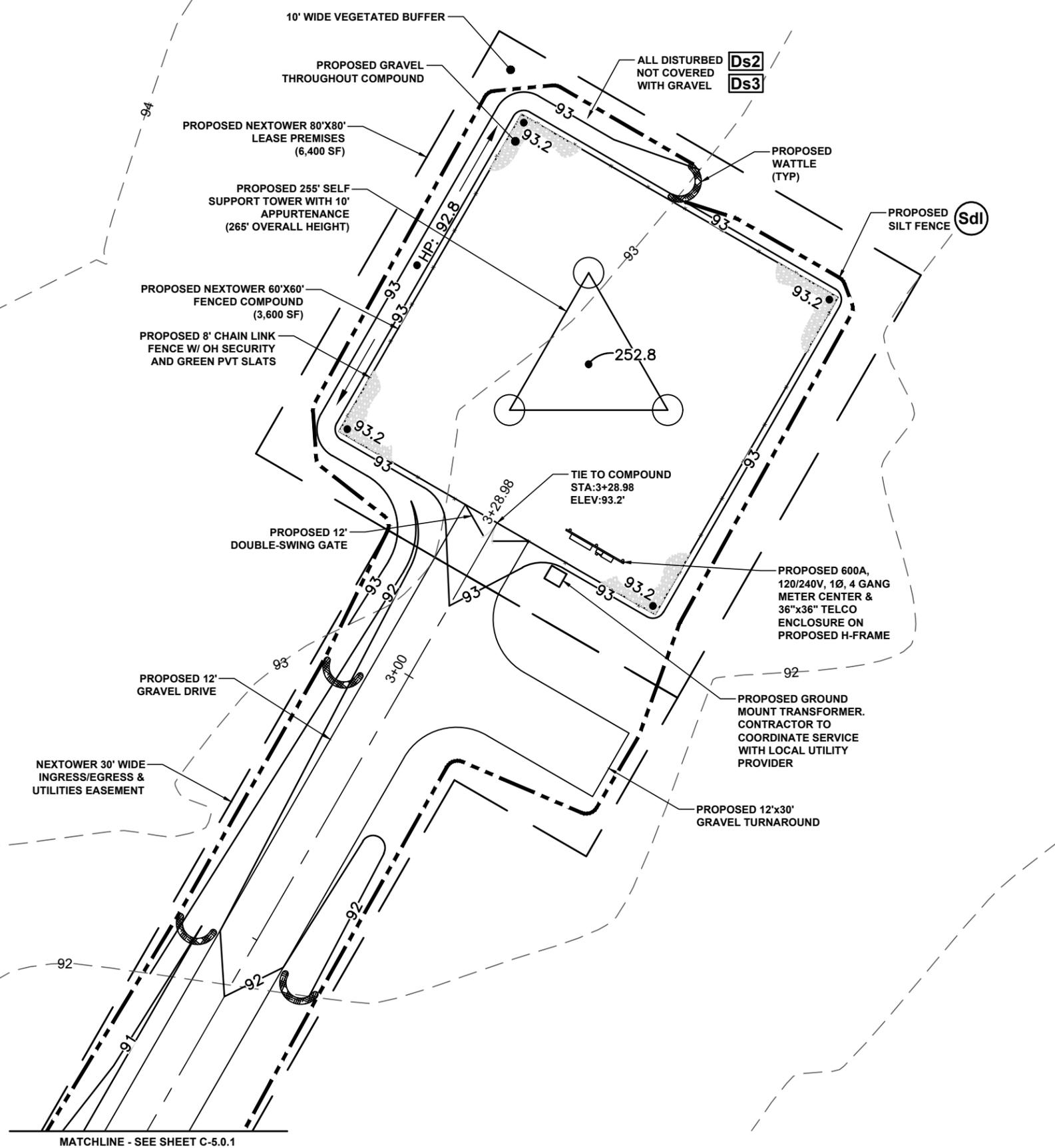
CA# PEF005625  
**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
No. PE37206  
*Jeremy D. Sharp*  
10/29/25

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GATE DETAILS

SHEET NUMBER:  
**C-4.1**

SMW JOB #25-0533



**GRADING NOTES:**

THE PROPOSED ACCESS ROAD OUTSIDE THE FENCED COMPOUND SHALL BE SURFACES AS FOLLOWS:

- MINIMUM 7" CRUSHER CONCRETE LBR = 150 FINISHED DRIVE SURFACE
- MINIMUM 8" STABILIZED SUBGRADE LBR = 40
- FILL AREAS - CONTRACTOR TO PLACE FILL IN 1' LIFTS AND COMPACTED/STABILIZED SUBGRADE

THE PROPOSED EQUIPMENT AREA INSIDE THE FENCED COMPOUND SHALL BE SURFACE AS FOLLOWS:

- 4" MINIMUM OF 3/4" CRUSHED STONE ASTM C33, #57 GRAVEL FINISHED SURFACE
- WEED BARRIER "TYPAR" LANDSCAPE FABRIC (OR EQUIVALENT)
- SCARIFY AND COMPACTED TOP 6" OF EXISTING GRADE
- FILL AREAS - CONTRACTOR TO PLACE FILL IN 1' LIFTS AND COMPACTED/STABILIZED SUBGRADE

[Co] CONSTRUCTION EXIT - TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHT-OF-WAYS, STREETS, ALLEYS, SIDEWALKS, OR PARKING AREAS.

[Sdl] TYPE C SEDIMENT BARRIER - TO PREVENT ANY SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE & ENTERING NATURAL DRAINAGE AREAS OR STORM DRAINAGE SYSTEMS.

[Ds2] DISTURBED AREA STABILIZATION (TEMPORARY) - TO ESTABLISH A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDS ON DISTURBED AREAS.

[Ds3] DISTURBED AREA STABILIZATION (PERMANENT) - TO ESTABLISH A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREA.

[Du] DISTURBED AREA DUST CONTROL - TO CONTROL THE SURFACE AND AIR MOMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.



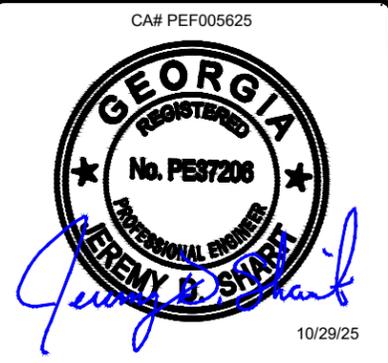
NEXTOWER SITE NAME  
CLYO

NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

ISSUED FOR:

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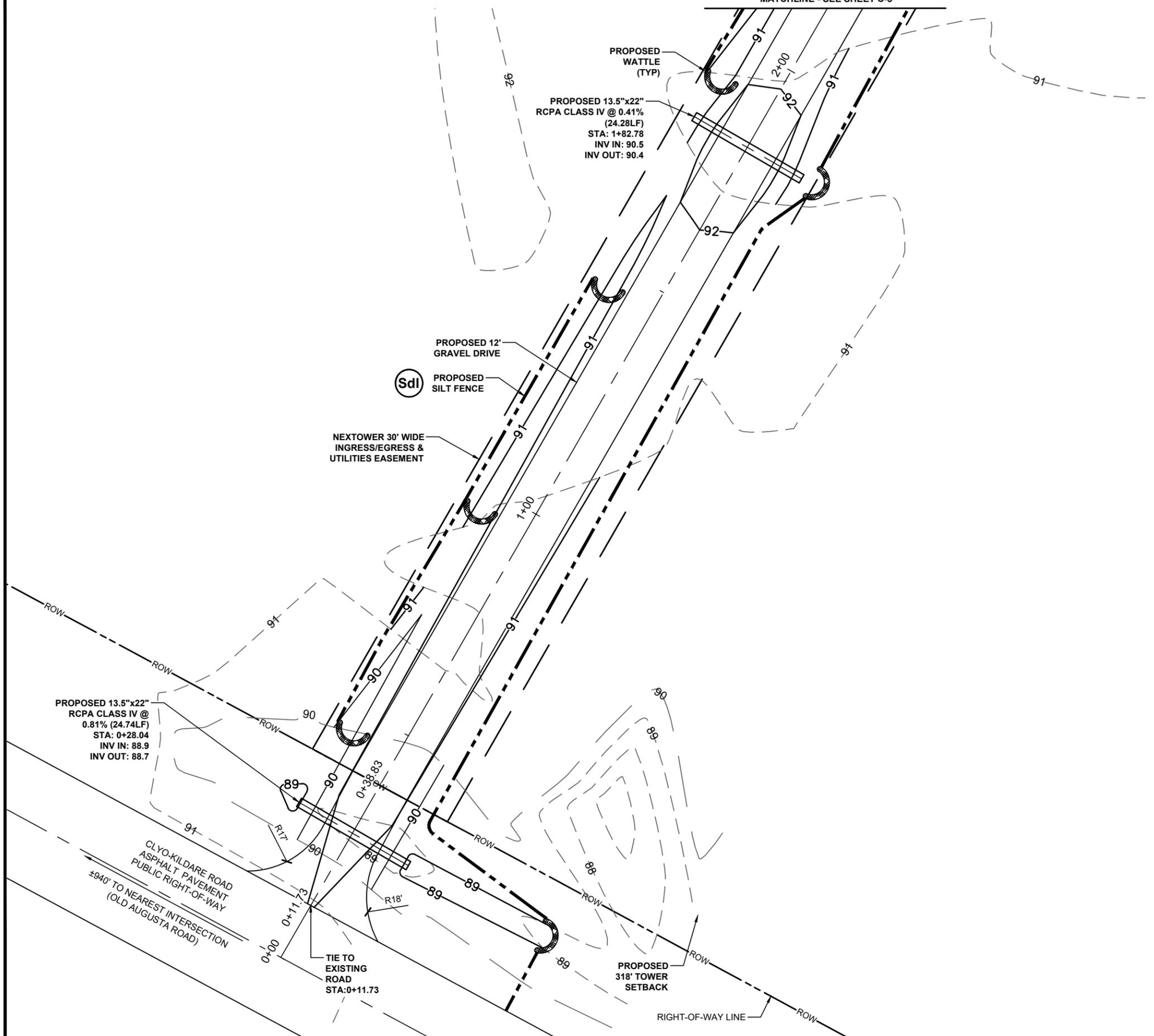
GRADING

SHEET NUMBER:  
**C-5**



SMW JOB #25-0533

MATCHLINE - SEE SHEET C-5



**GRADING NOTES:**

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- FILL AREAS - CONTRACTOR TO PLACE FILL IN 1' LIFTS AND COMPACTED/STABILIZED SUBGRADE

- Co** CONSTRUCTION EXIT - TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHT-OF-WAYS, STREETS, ALLEYS, SIDEWALKS, OR PARKING AREAS.
- SdI** TYPE C SEDIMENT BARRIER - TO PREVENT ANY SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE & ENTERING NATURAL DRAINAGE AREAS OR STORM DRAINAGE SYSTEMS.
- Ds2** DISTURBED AREA STABILIZATION (TEMPORARY) - TO ESTABLISH A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDS ON DISTURBED AREAS.
- Ds3** DISTURBED AREA STABILIZATION (PERMANENT) - TO ESTABLISH A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, SOD, OR LEGUMES ON DISTURBED AREA.
- Du** DISTURBED AREA DUST CONTROL - TO CONTROL THE SURFACE AND AIR MOMENT OF DUST ON CONSTRUCTION SITES, ROADWAYS, AND SIMILAR SITES.

**NextTower**  
YOUR SIGNAL IS OUR EXPERIENCE

905 NW 56TH TERRACE, SUITE A  
GAINESVILLE, FL 32605

**SMW**  
ENGINEERING GROUP, LLC

TOGETHER PLANNING A BETTER TOMORROW

158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 www.smweng.com

NEXTOWER SITE NAME  
CLYO

NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

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CA# PEF005625

10/29/25

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GRADING

SHEET NUMBER:  
**C-5.0.1**



SMW JOB #25-0533



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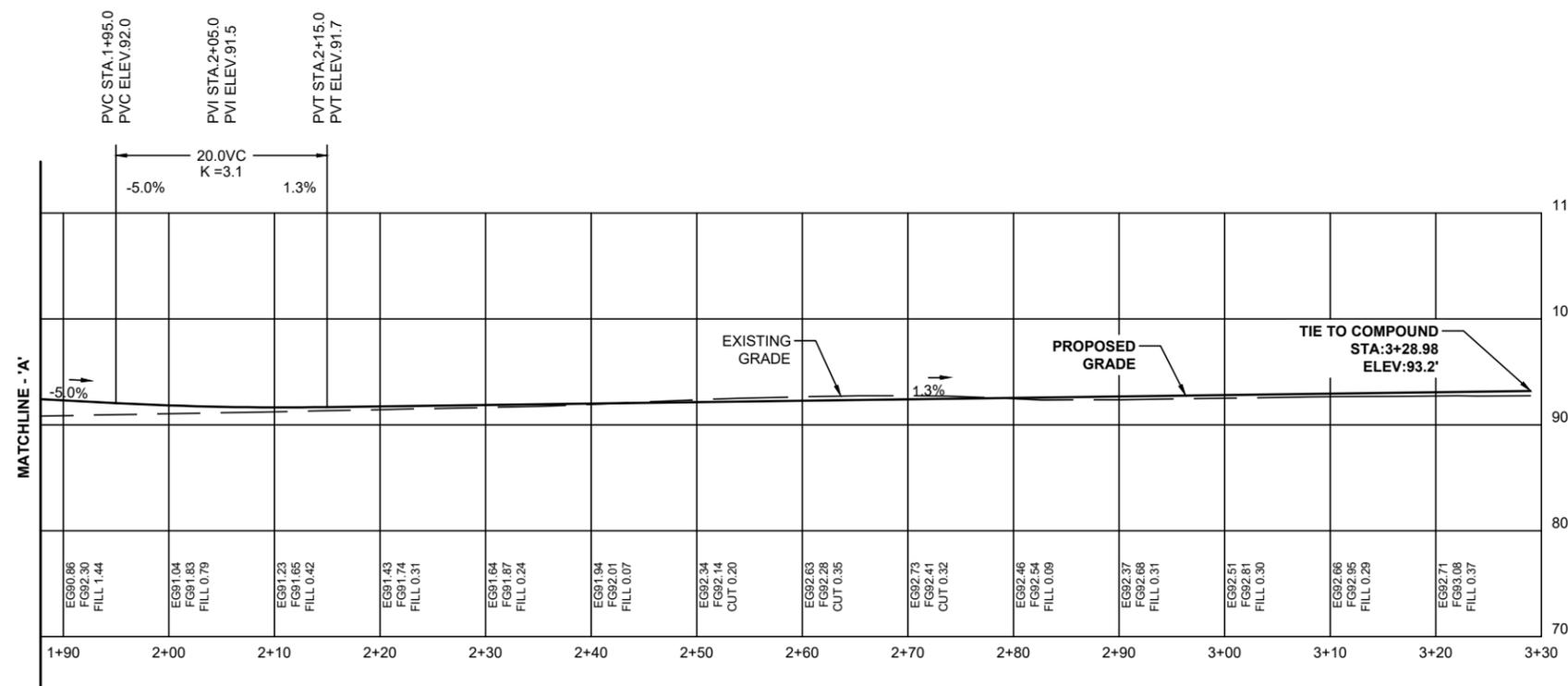
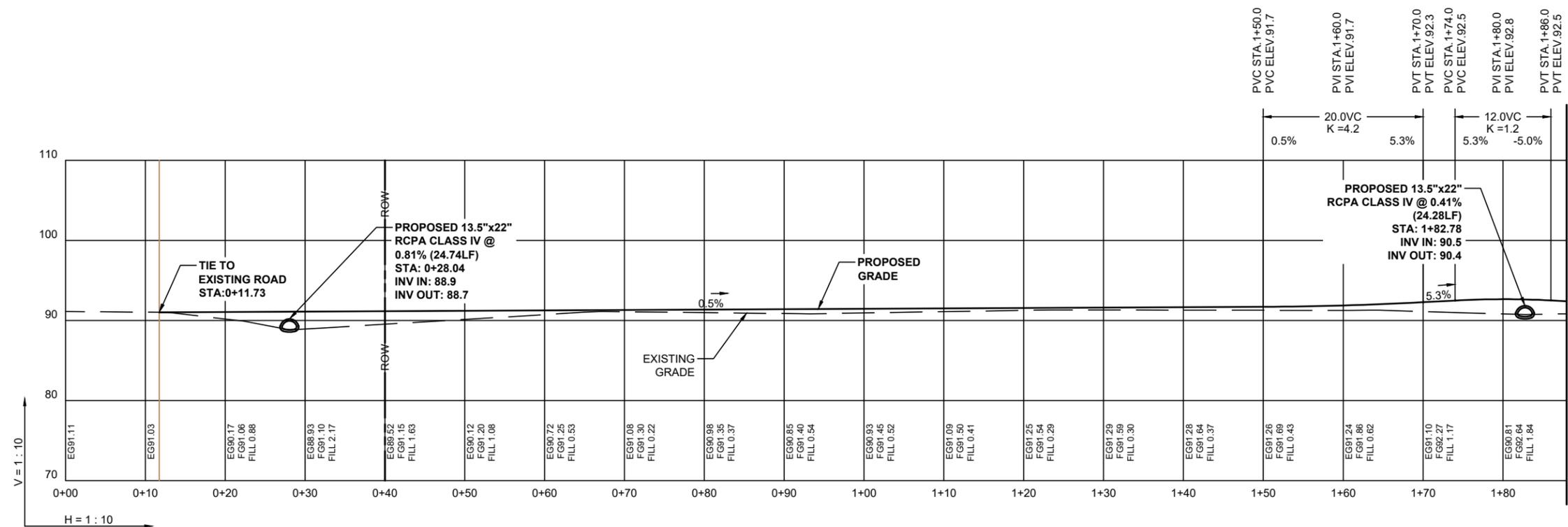
10/29/25

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ROAD PROFILES

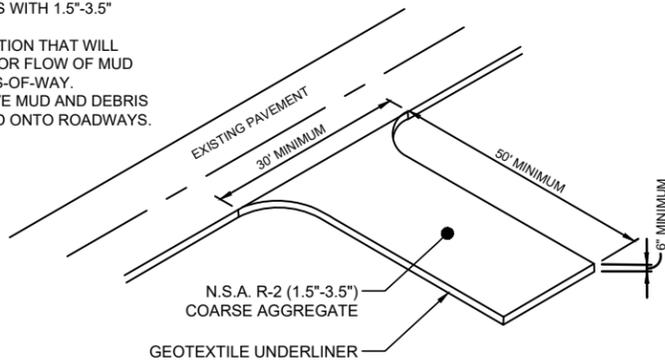
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C-5.1

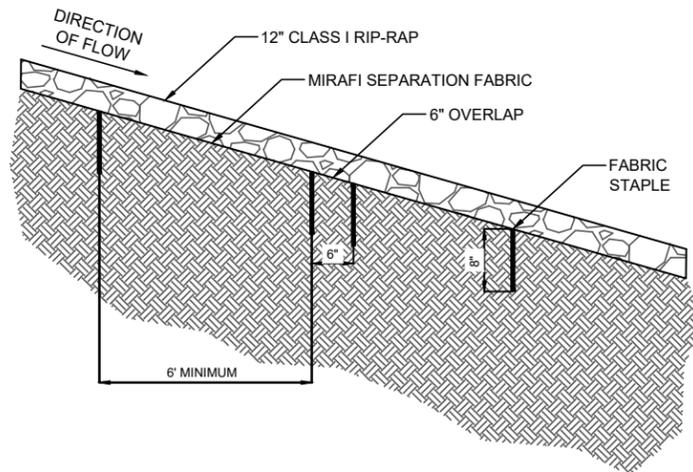


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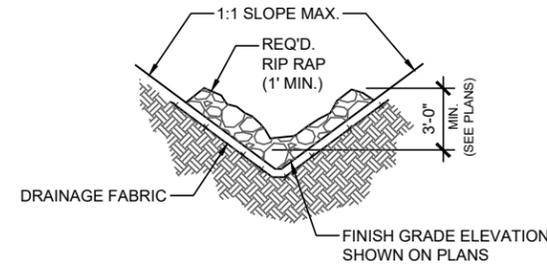
- MAINTENANCE:
1. PERIODICALLY DRESS WITH 1.5"-3.5" STONE.
  2. MAINTAIN IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY.
  3. IMMEDIATELY REMOVE MUD AND DEBRIS TRACKED OR SPILLED ONTO ROADWAYS.



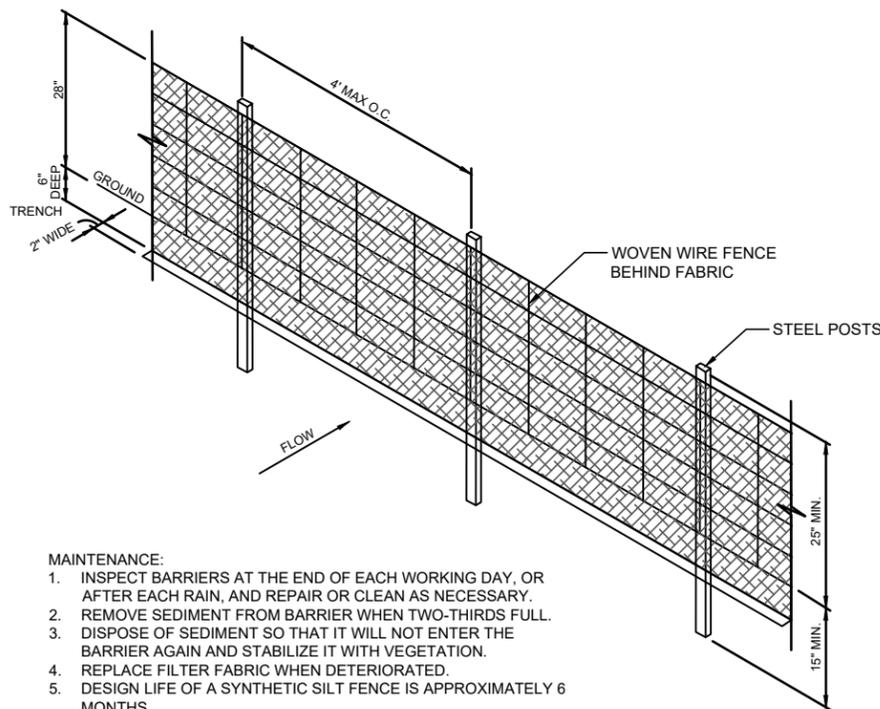
**Co 1 CONSTRUCTION EXIT DETAIL**  
SCALE: NOT TO SCALE



**2 RIP RAP SLOPE DETAIL**  
SCALE: NOT TO SCALE

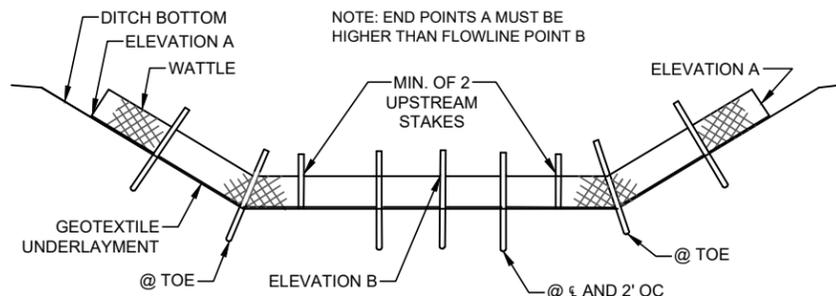
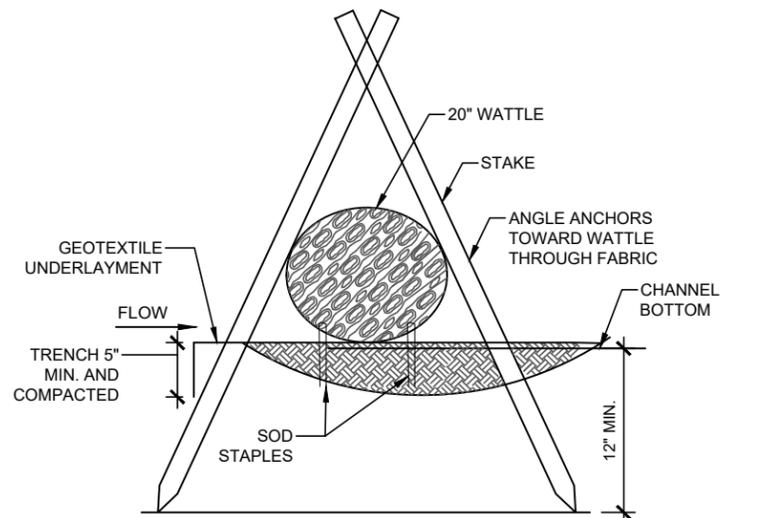


**3 TYPICAL RIP RAP DITCH DETAIL**  
SCALE: NOT TO SCALE



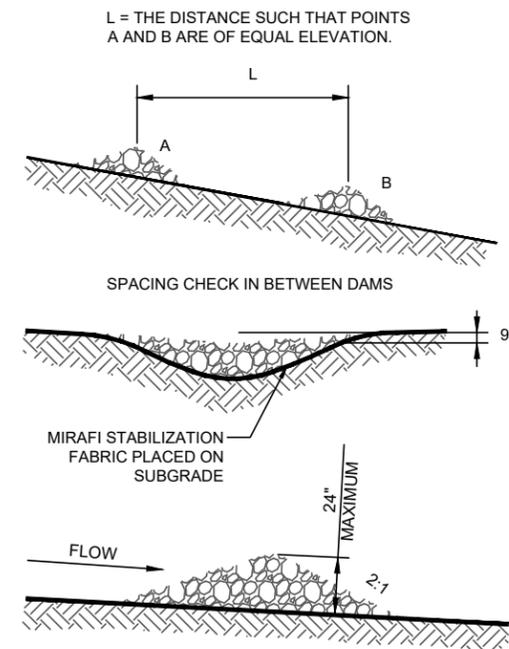
- MAINTENANCE:
1. INSPECT BARRIERS AT THE END OF EACH WORKING DAY, OR AFTER EACH RAIN, AND REPAIR OR CLEAN AS NECESSARY.
  2. REMOVE SEDIMENT FROM BARRIER WHEN TWO-THIRDS FULL.
  3. DISPOSE OF SEDIMENT SO THAT IT WILL NOT ENTER THE BARRIER AGAIN AND STABILIZE IT WITH VEGETATION.
  4. REPLACE FILTER FABRIC WHEN DETERIORATED.
  5. DESIGN LIFE OF A SYNTHETIC SILT FENCE IS APPROXIMATELY 6 MONTHS.
  6. MAINTAIN UNTIL THE PROJECT IS VEGETATED OR OTHERWISE STABILIZED.
  7. REMOVE BARRIERS AND ACCUMULATED SEDIMENT AND STABILIZE THE EXPOSED AREA WHEN THE PROJECT IS STABILIZED.

**Sdl 4 TYPE C SEDIMENTATION BARRIER DETAIL**  
SCALE: NOT TO SCALE



- NOTES:
1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 50 FEET UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER.
  2. ANCHORING STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF TWO FEET.
  3. SECURE GEOTEXTILE UNDERLAYMENT BY PLACING STAPLES 18 INCHES APART ALONG THE CHANNEL EDGES AND DOWN THE CENTER OF THE CHANNEL. SPACE STAPLES 10 INCHES APART ACROSS THE UPSTREAM AND DOWNSTREAM EDGES.
  4. PLACE STAPLES ON BOTH SIDES OF WATTLE AT 10" SPACING.

**5 WATTLE**  
SCALE: NOT TO SCALE



- NOTES:
1. CHECK DAMS TO BE CONSTRUCTED OF GRADED SIZE 2 - 10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO INSURE COMPLETE COVERAGE OF ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF DAM IS LOWER THAN EDGES.
  2. SEDIMENT TO BE REMOVED WHEN A LEVEL OF 1/2 THE ORIGINAL DAM HEIGHT OR LESS IS REACHED. REMOVE CHECK DAMS AT COMPLETION OF

**Cd 6 CHECK DAM**  
SCALE: NOT TO SCALE



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NEXTOWER SITE NUMBER  
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SITE ADDRESS  
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10/29/25

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SEDIMENT & EROSION  
CONTROL DETAILS

SHEET NUMBER:

C-5.2

SMW JOB #25-0533

**PIEDMONT VEGETATIVE COVERS**

CALENDAR MONTH	TEMPORARY SEED	APPLICATION RATE/ACRE	PERMANENT SEED	APPLICATION RATE/ACRE
1. CALENDAR	RYE GRASS	20-40 LB.	UNHULLED BERMUDA SERICEA LESPEDEZA	8-10 LB. 30-40 LB.
2. FEBRUARY			UNHULLED BERMUDA SERICEA LESPEDEZA FESCUE	8-10 LB. 30-40 LB. 30-50 LB.
3. MARCH	RYE ANNUAL LESPEDEZA WEeping LOVE GRASS	2-3 BU. 20-25 LB. 4-6 LB.	UNHULLED BERMUDA SERICEA LESPEDEZA FESCUE	8-10 LB. 30-40 LB. 30-50 LB.
4. APRIL	RYE BROWN TOP MULLET ANNUAL LESPEDEZA SUDAN ANNUAL	2-3 BU. 30-40 LB. 20-25 LB. 35 LB.	WEeping LOVE GRASS HULLED BERMUDA BAJA	4-6 LB. 5-6 LB. 40-60 LB.
5. MAY	WEeping LOVE GRASS SUDAN GRASS BROWN TOP MULLET	4-6 LB. 35 LB. 30-40 LB.	WEeping LOVE GRASS HULLED BERMUDA BAJA	4-6 LB. 5-6 LB. 40-60 LB.
6. JUNE	WEeping LOVE GRASS SUDAN GRASS BROWN TOP MULLET	4-6 LB. 35 LB. 30-40 LB.	WEeping LOVE GRASS HULLED BERMUDA BAJA	4-6 LB. 5-6 LB. 40-60 LB.
7. JULY	WEeping LOVE GRASS SUDAN GRASS BROWN TOP MULLET	4-6 LB. 35 LB. 30-40 LB.		
8. AUGUST	RYE GRASS WEeping LOVE GRASS	4050 LB. 4-6 LB.		
9. SEPTEMBER			TALL FESCUE	30-50 LB.
10. OCTOBER	WHEAT	2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA FESCUE	8-10LB. 30-40LB. 30-50 LB.
11. NOVEMBER	WHEAT	2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA FESCUE	8-10LB. 30-40LB. 30-50 LB.
12. DECEMBER	RYE RYE GRASS WHEAT	2-3 BU. 40-50 LB. 2-3 BU.	UNHULLED BERMUDA SERICEA LESPEDEZA FESCUE	8-10LB. 30-40LB. 30-50 LB.

1. USE A MINIMUM OF 40 LBS. SCARIFIES SEED. THE REMAINING MAY BE UN SCARIFIED, CLEAN HULLED SEED
- 2 USE EITHER COMMON SERIAL OR INTERSTATE SERICEA LESPEDEZA

**Ds2** DISTURBED AREA STABILIZATION  
(WITH TEMPORARY SEEDING)

**Ds3** DISTURBED AREA STABILIZATION  
(WITH PERMANENT VEGETATION)

**GENERAL**

THIS VEGETATIVE PLAN WILL BE CARRIED OUT IN ROAD CUT AND FILL SLOPES, SHOULDERS, AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

**SOIL CONDITIONS**

DUE TO GRADING AND CONSTRUCTIONS, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

**TREATMENT SPECIFICATIONS**

HYDRAULIC SEEDING EQUIPMENT WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OF SEEDED PREPARATIONS WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER MULCH WILL BE MIXED WITH WATER AND SUPPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS.  
A. SEEDING WITH MULCH: (HYDRAULIC SEEDING EQUIPMENT ON SLOPES 3:1 AND STEEPER)

AGRICULTURAL LIMESTONE #75 400 LBS/ ACRE  
FERTILIZER, 05-10-15 500 LBS/ ACRE  
MULCH (STRAW OR HAY OR 5000LBS/ACRE  
WOOD CELLULOSE FIBER MULCH 1000LBS/ACRE

SEED SPECIES	APPLICATION RATE/ACRE	PLANTING DATES
SERICIA LESPEDEZA, SCARIFIED WEeping LOVE GRASS, OR COMMON BERMUDA, HULLED	60 LBS 4 LBS. 6 LBS.	3/1-6/15
FESCUE SERICEA LESPEDEZA, UNCERTIFIED	40 LBS. 60 LBS.	4/1-10/31
FESCUE SERICEA LESPEDEZA, UNCERTIFIED RYE	40 LBS. 75 LBS. 50 LBS.	11/1-12/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS.	6/15-8/31

- B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL  
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS/ACRE
- C. SECOND YEAR TREATMENT:  
FERTILIZER (0-20-20 OR EQUIVALENT) 500 LBS/ACRE

**GENERAL**

THIS VEGETATIVE PLAN WILL BE CARRIED ON ROAD CUT AND FILL SLOPES, SHOULDERS AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTIONS. SEEDING WILL BE DONE AS SOON AS CONSTRUCTION IN AN AREA IS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGE FROM, SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY & BEAUTY OF THE DEVELOPMENT AREA.

**SOIL CONDITIONS**

DUE TO GRADING & CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATES. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIALS ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

**TREATMENT SPECIFICATIONS**

CONVENTIONAL SEEDING EQUIP GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER, IN DRY FORM, WILL SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED, AND FIRMED. SEEDING WILL BE DONE WITH A CULTIPACKER-SEEDER ROTARY SEEDER, OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESH PREPARED SEEDBED AND COVERED LIGHTLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF HE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD BY EITHER BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT WAS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION ARE AS FOLLOWS:

- A. SEEDING WITH MULCH: (CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)  
AGRICULTURAL LIMESTONE #15 4000 LBS/ACRE  
FERTILIZE, 5-10-15 1500 LBS/ACRE  
MULCH (STRAY OR HAY) 5000 LBS/ACRE

SEED SPECIES	APPLICATION RATE/ACRE	PLANTING DATES
HULLED COMMON BERMUDA GRASS	10 LBS	3/1-6/15
FESCUE	50 LBS	9/1-10/31
FESCUE RYEGRASS	50 LBS 50 LBS	11/1-2/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS	6/15-8/31

- B. TOP DRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL  
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS/ACRE
- C. SECOND YEAR TREATMENT:  
FERTILIZER (0-20-20 OR EQUIVALENT) 800 LBS/ACRE



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NEXTOWER SITE NAME  
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NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

**ISSUED FOR:**

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625



10/29/25

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SEDIMENT & EROSION  
CONTROL DETAILS

SHEET NUMBER:

**C-5.2.1**

SMW JOB #25-0533

**A - GENERAL**

- A1. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE (EDITION ADOPTED BY LOCAL JURISDICTION) AND APPLICABLE LOCAL CODES.
- A2. GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE.
- A3. ALL ELECTRICAL EQUIPMENT AND ACCESSORIES SHALL BE U.L. APPROVED OR LISTED.
- A4. ALL POWER WIRING SHALL BE STRANDED COPPER, TYPE THHN/THHW, AND 90 DEGREES C RATED.
- A5. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE, TIN COATED COPPER AND EQUIPMENT GROUND CONDUCTORS SHALL BE GREEN INSULATED, UNLESS OTHERWISE NOTED.
- A6. ALL POWER WIRING SHALL BE INSTALLED IN GALVANIZED RIGID STEEL CONDUIT, PVC, OR FLEXIBLE LIQUIDTIGHT CONDUIT, AS INDICATED.
- A7. CONTRACTOR SHALL OBTAIN ALL PERMITS, PAY PERMIT FEES, AND SCHEDULE INSPECTIONS.
- A8. CONTRACTOR SHALL APPLY FOR ELECTRICAL SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS, SERVICE ROUTING, AND METER SOCKET TYPE WITH LOCAL POWER COMPANY.
- A9. CONTRACTOR SHALL APPLY FOR TELEPHONE SERVICE AS SOON AS POSSIBLE AND COORDINATE REQUIREMENTS AND SERVICE ROUTING WITH TELEPHONE COMPANY.
- A10. PROVIDE ALL LABOR AND MATERIAL DESCRIBED ON THIS DRAWING, AND ALL ITEMS INCIDENTAL TO COMPLETING AND PRESENTING THIS PROJECT AS FULLY OPERATIONAL.
- A11. WHERE LONG POWER CABLE RUNS PREVAIL, CONTRACTOR SHALL CALCULATE THE VOLTAGE DROP AND SIZE WIRES AND CONDUIT ACCORDINGLY.
- A12. WHERE TRANSFORMER IS REQUIRED FOR ELECTRICAL SERVICE, TRANSFORMER SECONDARY SHALL BE GROUNDED PER N.E.C., ARTICLE 250-26.
- A13. REFER TO SITE SPECIFIC DWGS FOR ELEVATIONS.
- A14. ALL ELECTRICAL DEVICES EXPOSED TO WEATHER SHALL BE OF RAINPROOF CONSTRUCTION AND SHALL REQUIRE WATER TIGHT CONDUIT HUBS. NEMA 3R TYPICAL
- A15. CONTRACTOR SHALL COIL CABLES AT HANDHOLE WITH LENGTHS AS REQUIRED BY ELECTRICAL UTILITY FOR CONNECTION BY UTILITY.
- A16. ALL UNDERGROUND SERVICE ENTRANCE POWER CABLES SHALL BE TYPE FOR SUCH USE. CONTRACTOR SHALL CALCULATE VOLTAGE DROP AND RE-SIZE CABLES PER NEC REQUIREMENTS FOR CABLE RUNS EXCEEDING 250 FEET.

**B - POWER CABLE AND SERVICE**

- B1. CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING TO BTS AND VERIFY EXACT CONDUIT ROUTING. RACEWAY SYSTEM MATERIALS AND DEVICES FURNISHED SHALL BE IN ACCORDANCE WITH APPLICABLE STANDARDS OF ANSI, NEMA, AND UL. RACEWAY SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF THE N.E.C.
- B2. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS THROUGH WALLS, FLOORS AND ROOFS TO PREVENT MOISTURE PENETRATION OR VERMIN INFESTATION.
- B3. CONDUCTORS RUNNING ALONG HORIZONTAL SURFACES (ROOF TOP OR SLAB) SHALL BE INSTALLED IN RIGID CONDUIT SUPPORTED ON ELECTRICAL CONDUIT SUPPORT.
- B4. ALL VERTICAL RUNS OF POWER CABLE EXCEEDING 80 FEET IN LENGTH SHALL BE SUPPORTED PER N.E.C. ARTICLE 300 USING KELLEMS GRIPS OR ACCEPTABLE EQUAL CABLE SUPPORT SYSTEM.
- B5. WHERE A SEPARATE ELECTRICAL SERVICE DROP IS ADDED, CONTRACTOR SHALL INSTALL PERMANENT SERVICE DISCONNECT OR GROUPING THEREOF, DENOTING ALL OTHER SERVICE ENTRANCES, LOCATION OF EACH AND THE AREAS SERVED BY EACH.
- B6. WHERE ELECTRICAL POWER IS TO BE SUB-FED FROM AN EXISTING DISTRIBUTION SYSTEM, THE FOLLOWING SHALL APPLY:
  - A) CONTRACTOR SHALL PERFORM LOAD TESTING TO DETERMINE MAXIMUM FEEDER DEMAND PER N.E.C. ARTICLE 220-35.
  - B) CONTRACTOR SHALL VERIFY WHETHER EXISTING FEEDER CAPACITY EXCEEDS VALUE CALCULATED PER N.E.C. ARTICLE 220-35
  - C) EACH BRANCH CIRCUIT PROTECTIVE DEVICE SHALL HAVE SAME INTERRUPTING RATING AS EQUIPMENT SUPPLYING IT.
  - D) PREFERRED MEANS OF SUPPLY SHALL BE A BRANCH CIRCUIT PROTECTIVE DEVICE LOCATED IN EXISTING PANEL.
  - E) IF A BRANCH CIRCUIT PROTECTIVE DEVICE CANNOT BE OBTAINED OR SPACE IS NOT AVAILABLE, A BRANCH CIRCUIT MAY BE TAPPED FROM EXISTING FEEDER CONDUCTORS USING AN INSTALLED 2-POLE FUSED DISCONNECT AND METER BASE PER N.E.C. ARTICLE 240-21 WITH TEN FOOT (10) MAXIMUM TAP CONDUCTORS. FUSED DISCONNECT SHALL BE LISTED SAME OR BETTER INTERRUPTING RATING AS EXISTING SOURCE OF SUPPLY.

**C - RF (COAX) AND LOW VOLTAGE CABLE**

- C1. RF CABLES AND LOW VOLTAGE CABLING BETWEEN BTS, LNA OR TMA AND ANTENNA SHALL BE SUPPORTED USING ANDREW "SNAP-IN" HANGERS OR ACCEPTABLE EQUAL.
- C2. RF CABLES AND LOW VOLTAGE CABLING BETWEEN BTS, LNA OR TMA AND ANTENNA SHALL BE ROUTED AS FOLLOWS:
  - A) RUNNING ALONG HORIZONTAL SURFACES: USE WAVEGUIDE SUPPORTS OR BRIDGE KIT MOUNTED ON CONCRETE SLEEPERS.
  - B) RUNNING ALONG VERTICAL TOWER FACE: WAVEGUIDE LADDER W/HANGERS OR KELLEMS GRIPS.
  - C) RUNNING ALONG OR ADJACENT TO BTS PLATFORM: USE 12 X 3 OPEN OR COVERED ELECTRICAL LADDER TRAY.

**D- IDENTIFICATION**

- D1. LOCATE NAMEPLATE, MARKING, OR OTHER IDENTIFICATION MEANS ON OUTSIDE EQUIPMENT OR BOX FRONT COVERS.
- D2. PROVIDE NAMEPLATE ENGRAVED WITH EQUIPMENT DESIGNATION FOR EACH SAFETY SWITCH AND ALL OTHER ELECTRICAL CABINETS, ETC.
- D3. DURING TRENCH BACK-FILLING FOR EACH UNDERGROUND ELECTRICAL, TELEPHONE, SIGNAL AND COMMUNICATIONS LINE, PROVIDE A CONTINUOUS UNDERGROUND WARNING TAPE TWELVE INCHES BELOW FINISHED GRADE.



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ELECTRICAL NOTES

SHEET NUMBER:  
**E-1**

SMW JOB #25-0533

**A - GENERAL**

- A1. INSTALLATION OF GROUNDING ELECTRODE SYSTEM SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND WITH ALL BUILDING CODES OF AUTHORITIES HAVING JURISDICTION.
- A2. GROUNDING CONDUCTORS SHALL BE #2 AWG TINNED SOLID BARE COPPER BELOW AND ABOVE GRADE, UNLESS OTHERWISE NOTED AND SHALL BE ROUTED IN A DOWNWARD PATH TOWARDS GROUND BARS.
- A3. GROUNDING CONDUCTORS SHALL BE KEPT AS SHORT AND DIRECT AS POSSIBLE WITH MINIMUM BEND RADIUS OF 12 INCHES.
- A4. ALL BELOW GRADE CONNECTIONS SHALL BE CADWELD TYPE CONNECTIONS AND ALL CONNECTIONS TO EQUIPMENT AND GROUND BARS SHALL BE 2-HOLE BRONZE COMPRESSION CONNECTORS UNLESS OTHERWISE NOTED.
- A5. CONTRACTOR SHALL INSTALL NEW PCS GROUNDING SYSTEM PER SPECIFICATIONS AND INTERCONNECT NEW SYSTEMS TO ANY EXISTING GROUNDING SYSTEMS AS REQUIRED BY NFPA 70 AND 780 (THIS APPLIES TO ELECTRICAL POWER DISTRIBUTION GROUNDING SYSTEM, LIGHTNING PROTECTION GROUNDING SYSTEM, COAX CABLE GROUNDING SYSTEM AND ANY OTHER EXISTING GROUNDING SYSTEMS).
- A6. GROUNDING CONDUCTORS SHALL BE BONDED TO CABLE SUPPORTS, ANTENNA FRAMES, AND ANY SUPPORT FRAMES OR RACKS USING CADWELD OR MECHANICAL CONNECTIONS.
- A7. CONTRACTOR SHALL PROVIDE LOCK WASHERS FOR ALL MECHANICAL CONNECTIONS FOR GROUND CONDUCTORS, STAINLESS STEEL HARDWARE SHALL BE USED THROUGHOUT.
- A8. GROUNDING CONDUCTORS EMBEDDED IN CONCRETE OR PENETRATING WALLS AND FLOORS SHALL BE ENCASED IN PVC CONDUIT. NO METALLIC CONDUIT SHALL BE USED FOR GROUNDING CONDUCTORS UNLESS REQUIRED BY LOCAL CODES OR OTHERWISE INDICATED ON DRAWINGS. CONTRACTOR SHALL SEAL AROUND ALL CONDUIT PENETRATIONS TO PREVENT MOISTURE PENETRATION AND VERMIN INFESTATION.
- A9. CONTRACTOR SHALL BOND PCS GROUNDING SYSTEM VIA THE MASTER GROUND BAR TO ALL METAL OBJECTS WITHIN 12 FEET OF EQUIPMENT, CONDUIT AND CABLES.
- A10. BONDING OF GROUNDED CONDUCTOR (NEUTRAL) AND GROUNDING CONDUCTOR SHALL BE AT SERVICE DISCONNECTING MEANS. BONDING JUMPER SHALL BE INSTALLED PER N.E.C. ARTICLE 250-28.
- A11. CONTRACTOR SHALL VERIFY EXACT CONDUIT ROUTING FOR GROUNDING CONDUCTORS WHERE APPLICABLE.
- A12. A GROUND LEAD IS REQUIRED ONLY FOR BTS SUPPORTED ON STEEL FRAME. AN ADDITIONAL GROUND LEAD IS REQUIRED IF CABLE TRAY IS USED.
- A13. CONNECTIONS TO CGB SHALL BE ARRANGED IN THE FOLLOWING THREE GROUPS:
  - \* SURGE PRODUCERS (COAXIAL CABLE GROUND KITS, TELCO CABINET AND POWER PEDESTAL GROUND).
  - \* SURGE ABSORBERS (GROUNDING ELECTRODE RING OR BUILDING STEEL).
  - \* NON-SURGING OBJECTS (EGB GROUND IN BTS).
- A14. DOUBLING OR STACKING OF ANY GROUNDING CONNECTIONS IS NOT ACCEPTABLE.
- A15. ALL GROUND BARS SHALL BE INSTALLED WITH STAND OFF INSULATORS.

**B - PREPARATION**

- B1. SURFACES: ALL CONNECTIONS SHALL BE MADE TO BARE METAL. ALL PAINTED SURFACES SHALL BE FIELD INSPECTED TO ENSURE PROPER CONTACT. ALL GALVANIZED SURFACES ON WHICH GALVANIZING HAS BEEN REMOVED BY CUTTING, DRILLING, OR ANY OTHER OPERATION SHALL BE RE-GALVANIZED IN ACCORDANCE WITH ASTM A780 USING "ZINC RICH" COATING AS MANUFACTURED BY ZRC CHEMICAL PRODUCTS COMPANY (LOCATED IN QUINCY, MASSACHUSETTS), OR ACCEPTABLE EQUAL. NO WASHERS ARE ALLOWED BETWEEN ITEMS BEING GROUNDED. ALL CONNECTIONS ARE TO HAVE A NON-OXIDIZING AGENT ("COPPER SHIELD") APPLIED PRIOR TO INSTALLATION.
- B2. GROUND BAR: ALL COPPER GROUND BARS SHALL BE CLEANED, POLISHED AND A NON-OXIDIZING AGENT ("COPPER SHIELD") APPLIED. NO FINGER PRINTS OR DISCOLORED COPPER SHALL BE PERMITTED.

**C - BUILDINGS**

- C1. ELECTRICAL CONTRACTOR SHALL PERFORM REQUIRED TESTING ON GROUNDING SYSTEM ONCE GROUNDING SYSTEM IS COMPLETELY CONSTRUCTED AND BEFORE SERVICE POWER AND GROUND IS CONNECTED (SEE NOTE T1 FOR TEST DESCRIPTION).
- C2. A #4/0 AWG COPPER CONDUCTOR SHALL BE ROUTED FROM MASTER GROUND BAR AT BTS SITE TO MAIN METAL COLD WATER PIPE AND BONDED TO PIPE WITH BRONZE 2-HOLE PIPE CLAMP. CLAMP SHALL BE CONNECTED TO WATER PIPE WITHIN 5 FEET OF ENTRY OF PIPE INTO BUILDING WITH NO DEVICES BETWEEN ENTRY POINT AND CONNECTION AND SHALL COME IN CONTACT WITH PIPE FOR A MINIMUM DISTANCE OF 4 INCHES.
- C3. METAL RACEWAYS, ENCLOSURES, FRAMES AND OTHER NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT SHALL BE KEPT AT LEAST 6 FEET AWAY FROM LIGHTNING ROD CONDUCTORS OR THEY MUST BE BONDED TO LIGHTNING ROD CONDUCTORS AT THE LOCATION WHERE SEPARATION DISTANCE IS LESS THAN 6 FEET.
- C4. A MASTER GROUND BAR (MGB) SHALL BE INSTALLED NEAR BTS WITH BUILDING PRINCIPAL GROUND BAR (BPG) INSTALLED NEAR ENTRANCE OF MAIN METAL COLD WATER PIPE INTO BUILDING. A #4/0 AWG STRANDED COPPER DOWN CONDUCTOR (VERTICAL GROUND RISER) SHALL BE USED TO INTERCONNECT GROUND BARS.
- C5. VERTICAL RISER SHALL CONSIST OF A #4/0 AWG (THWN) STRANDED COPPER CONDUCTOR INSIDE 3/4" CONDUIT.
- C6. CONTRACTOR SHALL BOND BUILDING PRINCIPAL GROUND BAR (BPG) NEAR MAIN METAL COLD WATER PIPE TO EXISTING BUILDING GROUND RING AS WELL AS TO MAIN METAL COLD WATER PIPE WITH #4/0 AWG (THWN) STRANDED COPPER CONDUCTOR.
- C7. ANTENNA GROUND BARS (AGB) SHALL BE INSTALLED NEAR ANTENNAS AND SHALL BE BONDED TO MASTER GROUND BAR (MGB) WITH #2 AWG TINNED SOLID BARE COPPER CONDUCTOR.
- C8. IF CODES REQUIRE VERTICAL RISER TO BE ISOLATED IN CONDUIT, PVC CONDUIT IS PREFERRED. IF METALLIC CONDUIT IS USED, GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH END OF THE CONDUIT AND BONDED TO GROUND BARS USING #2 AWG (THWN) STRANDED COPPER CONDUCTORS WITH GREEN INSULATION.

**D - LAND BUILDS AND CO-LOCATES**

- D1. THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS UNIFORMLY SPACED AROUND THE EQUIPMENT FOUNDATION AND AROUND THE PERIMETER OF THE TOWER FOUNDATION. THE GROUND RODS SHALL BE 5/8" X 10'-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 SOLID TINNED BARE COPPER GROUND CONDUCTOR TO FORM A GROUND RING AT A DEPTH OF 30 INCHES BELOW THE SURFACE OF THE SOIL. A MINIMUM OF 1 FOOT AND A MAXIMUM OF 3 FEET CLEARANCES SHALL BE MAINTAINED FROM FOUNDATIONS. TOWER AND EQUIPMENT GROUND RINGS SHALL BE INTERCONNECTED WITH TWO GROUNDING CONDUCTORS OF EQUAL LENGTH AND MATERIALS.
- D2. GROUND RODS SHALL BE BONDED TO GROUND RINGS AND INTERCONNECTING CONDUCTORS AT EQUAL INTERVALS OF APPROXIMATELY 10 FEET.
- D3. WAVEGUIDE BRIDGE SHALL BE BONDED TO GROUND RINGS OR INTERCONNECTING CONDUCTORS WITH GROUNDING CONDUCTORS BONDED TO DIAGONALLY OPPOSED SUPPORT POSTS.
- D4. GROUND BARS SHALL BE BONDED TO GROUND RING WITH SINGLE GROUNDING CONDUCTOR.
- D5. BONDS TO ANTENNA MASTS, FENCE POSTS, WAVEGUIDE BRIDGE, TOWER STEEL (UNLESS PROHIBITED BY TOWER MANUFACTURER) AND THOSE BELOW GRADE SHALL BE EXOTHERMIC TYPE (CADWELD). ALL OTHER BONDS SHALL BE BRONZE 2-HOLE COMPRESSION FITTINGS UNLESS OTHERWISE NOTED.
- D6. GROUNDING CONDUCTORS MAKING A TRANSITION FROM ABOVE TO BELOW GRADE SHALL BE INSULATED FROM EARTH CONTACT BY PASSING THROUGH PVC CONDUIT. THE CONDUIT SHALL EXTEND AT LEAST 6 INCHES ABOVE AND 12 INCHES BELOW GRADE LEVEL.

**E - LIGHTNING PROTECTION**

- E1. IF EXISTING BUILDING HAS AN NFPA 780 AIR TERMINAL SYSTEM, EXISTING SYSTEM SHALL BE BONDED TO A GROUND BAR TO BOND THE EXISTING SYSTEM TO THE NEW SYSTEM. SHOULD THE EXISTING SYSTEM COME WITHIN 8 FEET OF ANTENNA STRUCTURES, EXISTING SYSTEM SHALL ALSO BE BONDED TO COAX GROUND BARS.
- E2. IF SITE IS IN A HIGH RISK AREA AND ANTENNAS DO NOT FALL WITHIN EXISTING CONE OF PROTECTION FOR BUILDING, AIR TERMINALS SHALL BE INSTALLED AT ANTENNAS. A SINGLE AIR TERMINAL MAY BE USED WHEN TWO ANTENNAS ARE MOUNTED ON SAME STRUCTURE AND IT HAS BEEN DETERMINED THAT BOTH ANTENNAS WILL FALL WITHIN LIGHTNING CONE OF PROTECTION FOR SINGLE AIR TERMINAL.

**T - GROUNDING REQUIREMENTS**

- T1. CONTRACTOR SHALL INSPECT AND TEST ANY NEW OR EXISTING NEXTOWER GROUNDING SYSTEM WITH A BIDDLE-MEGGER TESTER UTILIZING THE FALL OF POTENTIAL METHOD AND CONTACT CONSTRUCTION MANAGER IF RESISTANCE EXCEEDS 5 OHMS AND SHALL FIELD MODIFY GROUNDING SYSTEM AS NECESSARY TO ACHIEVE COMPLIANCE. TEST RESULTS AND CONCLUSIONS SHALL BE RECORDED FOR PROJECT CLOSE-OUT DOCUMENTATION.
- T2. COAX CABLE OUTER CONDUCTORS (SHIELDS) SHALL BE GROUNDED USING COAX GROUNDING KITS AT A MINIMUM OF TWO POINTS, INCLUDING AT ANTENNA AND AT MASTER GROUND BAR. THE COAXIAL CABLE SHALL NOT EXCEED 100 FEET BETWEEN GROUNDING KITS.
- T3. GROUNDING CONDUCTOR CONSISTING OF 2-#2 AWG TINNED SOLID BARE COPPER WIRE SHALL BE BONDED TO WAVEGUIDE ENTRY GROUND BAR USING CADWELD CONNECTIONS.
- T4. COAX CABLE ENTERING A BUILDING SHALL BE GROUNDED WITH COAX GROUNDING KITS TO AN INSULATED COAX GROUND BAR WHICH SHALL BE INSTALLED ON THE OUTSIDE FACE OF THE BUILDING, BELOW THE CABLE ENTRY PORTS.
- T5. WHEN COAX CABLES ENTER A BUILDING FROM A TOWER, THE COAX GROUND BAR AT THE BUILDING SHALL BE CONNECTED TO THE EXTERNAL GROUND RING USING 2-#2 AWG BARE TINNED SOLID COPPER ISOLATED IN PVC CONDUIT.
- T6. WHEN COAX CABLES ENTER A BUILDING FROM A ROOF TOP, THE COAX GROUND BAR AT THE BUILDING SHALL BE CONNECTED TO THE MASTER GROUND BAR NEAR THE BTS USING #2 AWG STRANDED INSULATED COPPER CONDUCTOR (SEE BUILDINGS NOTES ON THIS DRAWING FOR CONNECTION TO PRINCIPLE GROUND BAR AND BUILDING GROUND).



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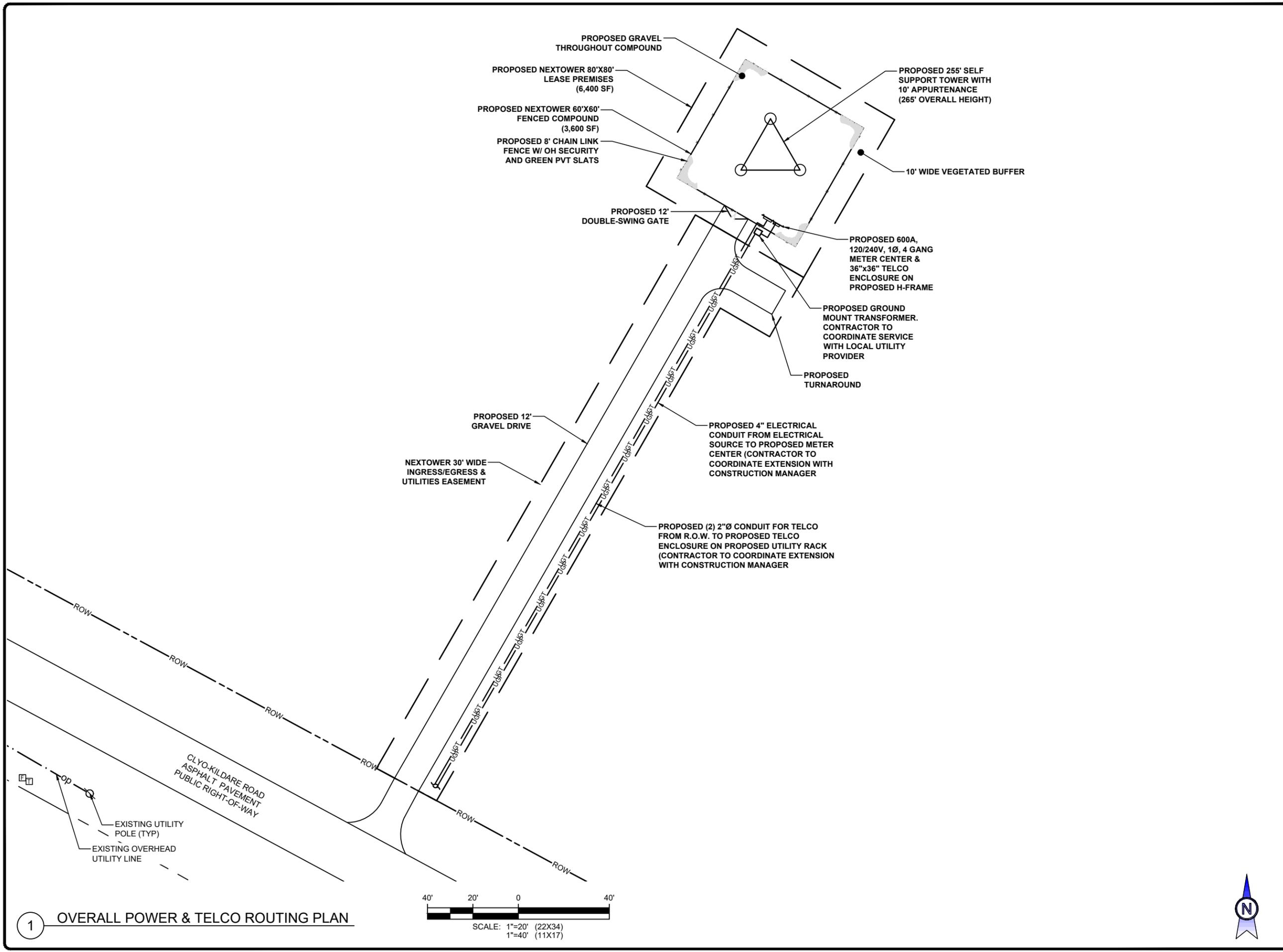
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GROUNDING NOTES

SHEET NUMBER:

E-2

SMW JOB #25-0533



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**SMW**  
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TEL: 205-252-6985 www.smweng.com

NEXTOWER SITE NAME  
CLYO

NEXTOWER SITE NUMBER  
NXGA-226

SITE ADDRESS  
CLYO-KILDARE ROAD  
SHAWNEE, GA 31303

ISSUED FOR:

REV	DESCRIPTION	BY	DATE
A	CLIENT REVIEW	CLW	08/14/25
B	CLIENT REVIEW	CLW	08/19/25
0	CONSTRUCTION	CLW	10/29/25

CA# PEF005625

**GEORGIA REGISTERED PROFESSIONAL ENGINEER**  
No. PE37206  
*Jeremy D. Sharp*  
10/29/25

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OVERALL POWER/TELCO ROUTING PLAN

SHEET NUMBER:  
**E-3**

1 OVERALL POWER & TELCO ROUTING PLAN



SMW JOB #25-0533



905 NW 56TH TERRACE, SUITE A  
GAINESVILLE, FL 32605



ENGINEERING GROUP, LLC

TOGETHER PLANNING A BETTER TOMORROW  
158 BUSINESS CENTER DRIVE  
BIRMINGHAM, AL 35244  
TEL: 205-252-6985 www.smweng.com

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10/29/25

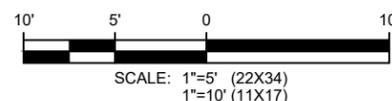
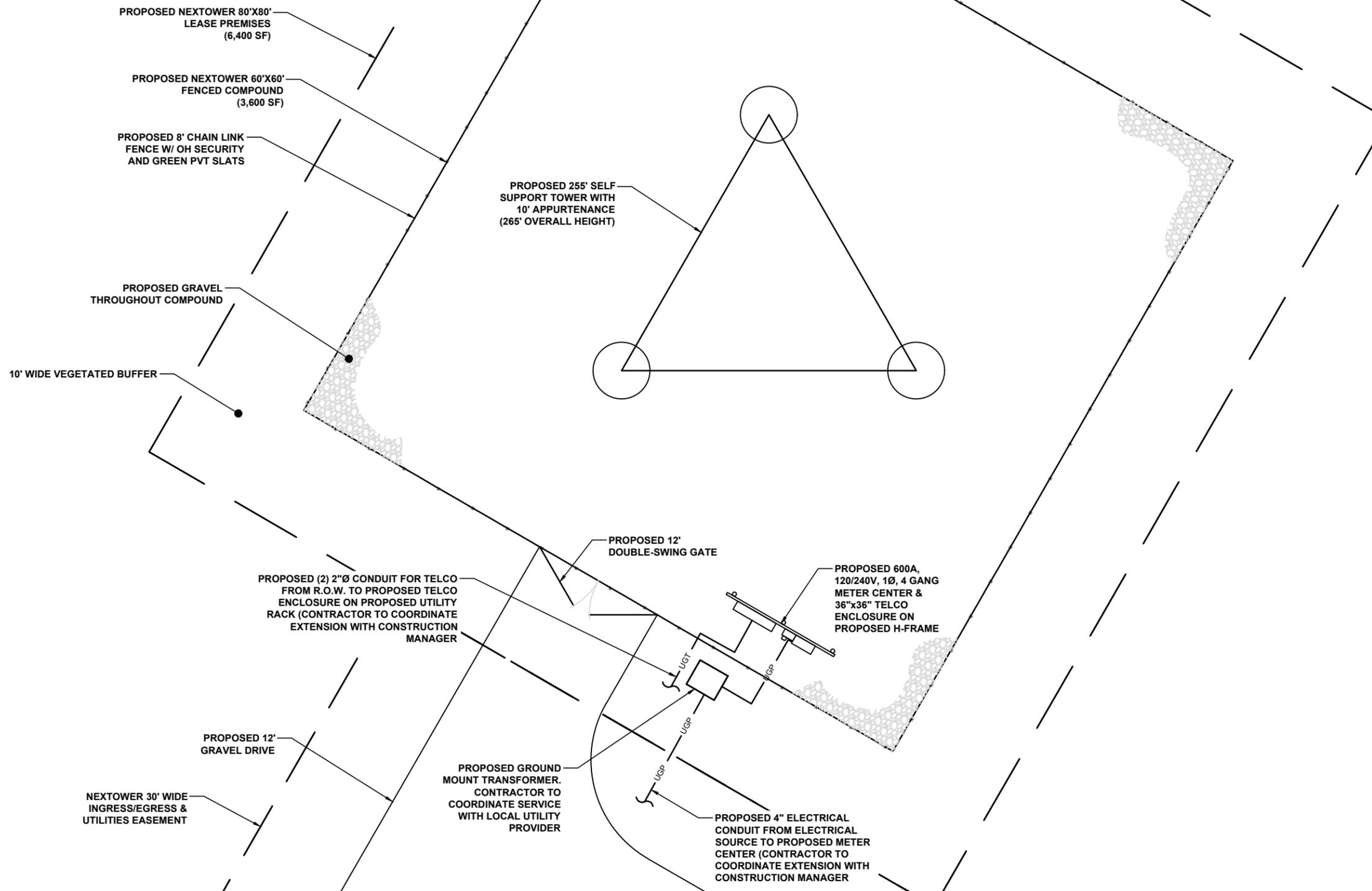
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POWER/TELCO  
ROUTING PLAN

SHEET NUMBER:

E-3.1

SMW JOB #25-0533



1

POWER & TELCO ROUTING PLAN

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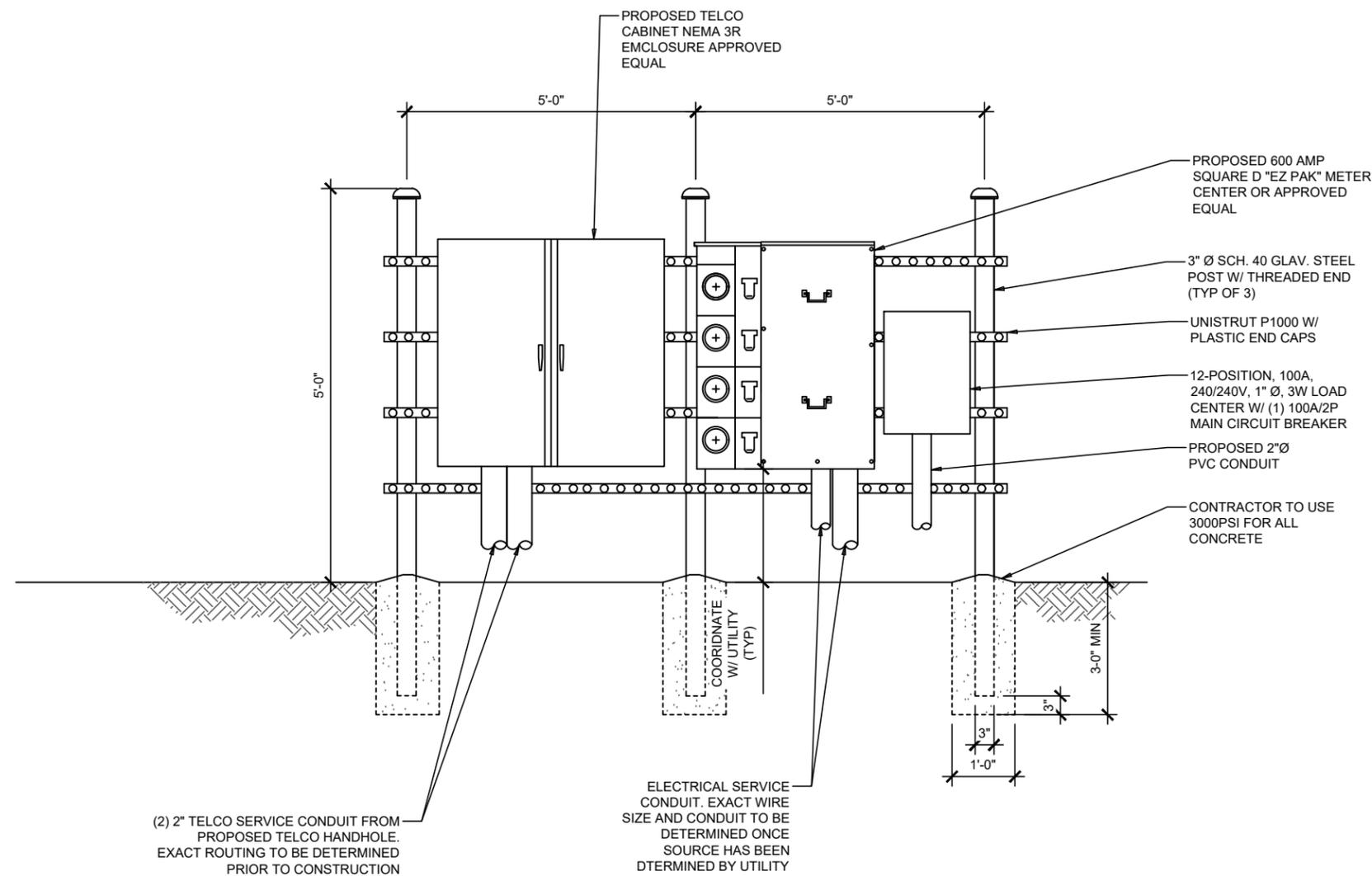
10/29/25

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RISER DIAGRAM

SHEET NUMBER:

E-4

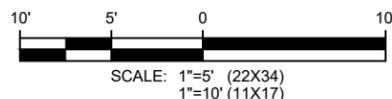
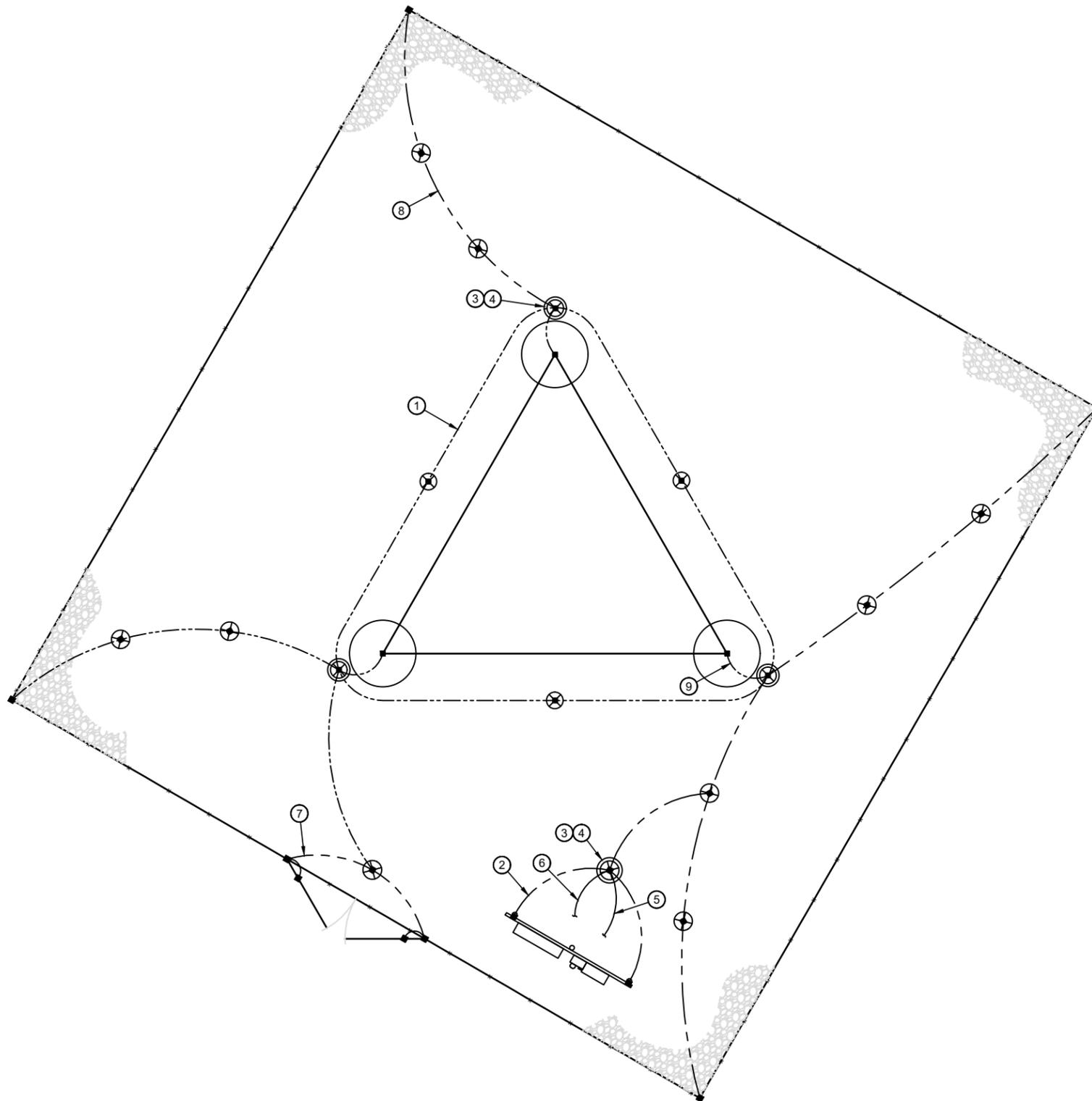


**GROUNDING KEY NOTES**

1. PROVIDE A #2 AWG SOLID BARE TINNED COPPER GROUND RING AROUND THE TOWER, AS SHOWN. ALL EXTERIOR GROUNDING CONDUCTORS SHALL BE BURIED A MINIMUM OF 18" BELOW GRADE. THE GROUND RING SHALL BE INSTALLED 1'-0" AWAY FROM FOUNDATIONS (MINIMUM UNLESS SHOWN OTHERWISE ON DRAWINGS). WHERE REQUIRED DUE TO SOIL CONDITIONS AND THE PRESENCE OF ROCK, THE ROUTING OF THE GROUND RING MAY BE ADJUSTED (WITH APPROVAL FROM NEXTOWER). ALL BONDS TO THE BURIED GROUND RING SHALL BE WITH EXOTHERMIC WELDS.
2. BOND UTILITY RACK POSTS TO BURIED GROUND RING. EXOTHERMICALLY WELD A #2 AWG SOLID BARE TINNED COPPER CONDUCTOR TO EACH POST AT 12" ABOVE GRADE AND CONNECT TO THE BURIED GROUND RING. PROVIDE CONDUCTOR LENGTH AS REQUIRED TO MAKE CONNECTION.
3. PROVIDE 6" DIAMETER PVC INSPECTION SLEEVE WITH REMOVABLE COVER IN LOCATION SHOWN. SEE GROUND ROD INSPECTION WELL DETAIL, SHEET E6, FOR TYPICAL GROUND RING INSPECTION SLEEVE. NOTE: INSPECTION SLEEVE CAN BE USED AS A TEST WELL FOR GROUND WATER LEVEL INSPECTION AND GROUND RESISTANCE TESTING.
4. INSTALL 5/8" x 10' LONG COPPER-CLAD STEEL GROUND RODS. SPACING BETWEEN RODS NOT TO EXCEED 16' (NONLINEAR). TYPICAL FOR ALL GROUND RODS SHOWN, UNLESS NOTED OTHERWISE. SEE GROUND ROD INSPECTION WELL DETAIL, SHEET E6. IF ROCK IS ENCOUNTERED, GROUND ROD MAY BE INSTALLED WITH A MAXIMUM VARIATION OF 30° FROM VERTICAL AND CONTRACTOR SHALL BE PREPARED TO CORE DRILL TO INSTALL GROUND RODS AND BACKFILL WITH GROUND ENHANCEMENT MATERIAL.
5. #2 AWG CASE BOND
6. #3-0 AWG SERVICE GROUND CONDUCTOR, IN 3/4" PVC CONDUIT
7. #2 AWG GATE BOND CONDUCTOR (SEE DETAIL SHEET E6)
8. #2 AWG FENCE BOND CONDUCTOR
9. TOWER BOND: #2 AWG BOND FROM TOWER STEEL TO BURIED GROUND RING IN (4) PLACES, 90° APART.

**KEY**

- BOND
- ⊗ GROUND ROD
- ⊗ INSPECTION WELL



1 GROUNDING PLAN



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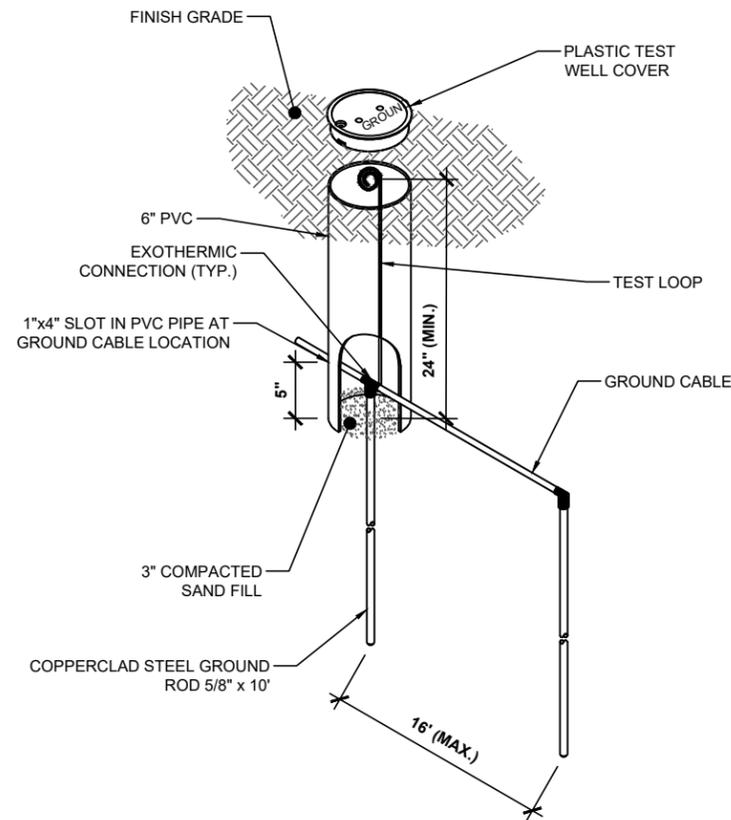
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COMPOUND  
GROUNDING PLAN

SHEET NUMBER:

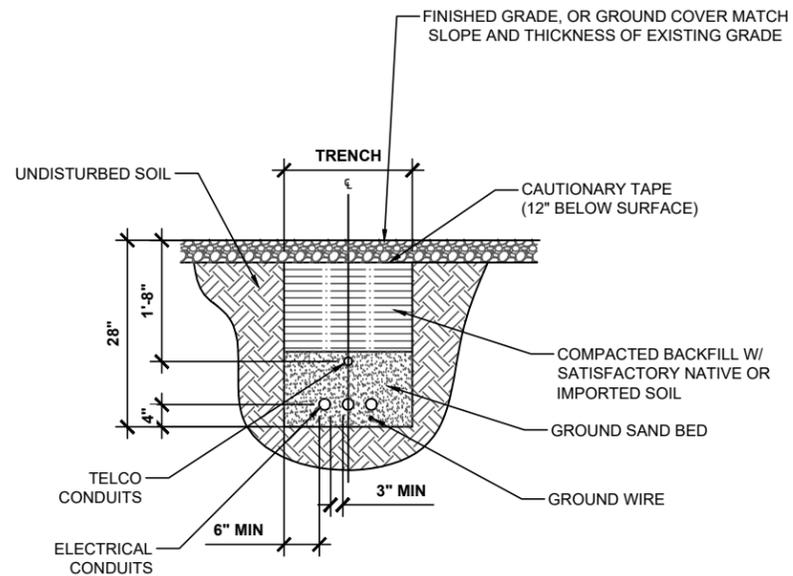
E-5

SMW JOB #25-0533



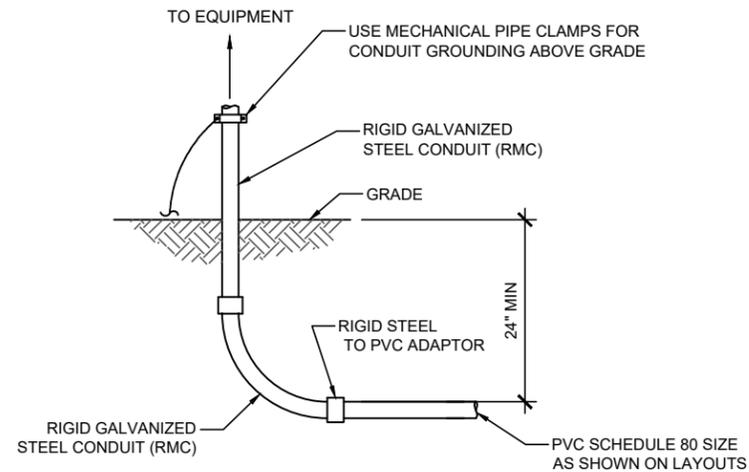
NOTE:  
ALL WORK SHALL CONFIRM  
TO THE LOCAL BUILDING  
CODES. DEPTH MAY VARY

1 GROUND ROD INSPECTION WELL  
SCALE: N.T.S.

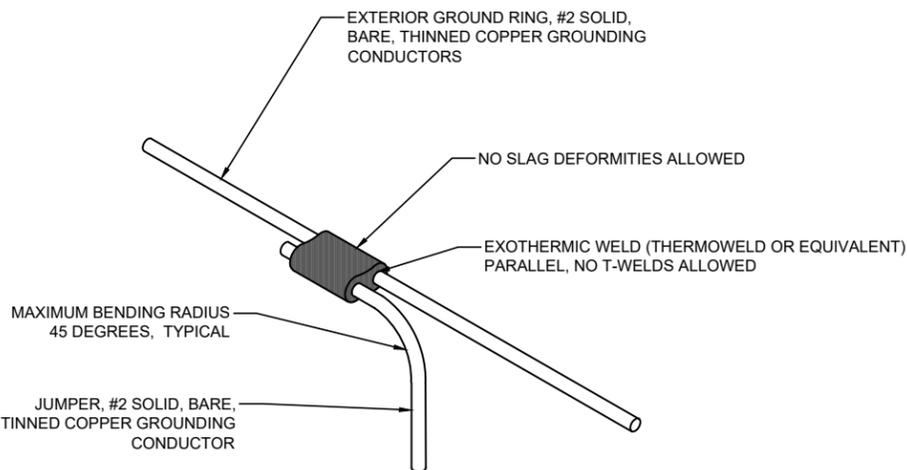


\* CONDUIT SIZE, TYPE, QUANTITY  
AND SEPARATION DIMENSION TOP  
BE VERIFIED WITH LOCAL UTILITY  
COMPANY REQUIREMENTS

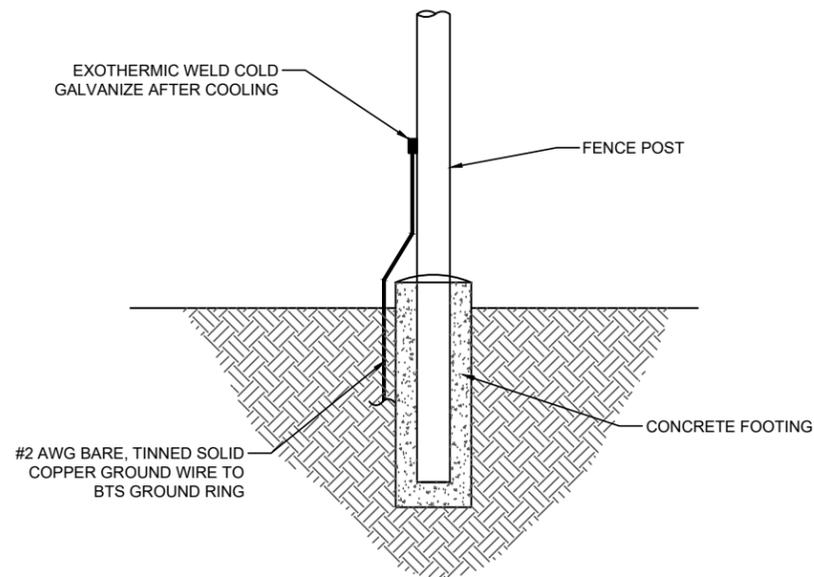
2 TRENCHING DETAIL  
SCALE: N.T.S.



3 CONDUIT STUB UP DETAIL  
SCALE: N.T.S.



4 EXOTHERMIC WELD DETAIL  
SCALE: N.T.S.



5 UTILITY RACK POST/FENCE POST DETAIL  
SCALE: N.T.S.

**NexTower**  
YOUR SIGNAL IS OUR EXPERIENCE  
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GROUNDING DETAILS

SHEET NUMBER:

E-6

SMW JOB #25-0533