



LOWNDES COUNTY BOARD OF COMMISSIONERS
PROPOSED AGENDA
WORK SESSION, MONDAY, AUGUST 10, 2020, 8:30 A.M.
REGULAR SESSION, TUESDAY, AUGUST 11, 2020, 5:30 P.M.
327 N. Ashley Street - 2nd Floor

1. Call To Order

2. Invocation

3. Pledge Of Allegiance To The Flag

4. Minutes For Approval

- a. Work Session - July 27, 2020 & Regular Session - July 28, 2020

Recommended Action:

Documents:

5. Public Hearing

- a. REZ-2020-07 The Scruggs Company, 4621 Old US 41 N. R-1 to M-1, Well and Septic, 5.9 acres

Recommended Action: Approve

Documents:

- b. REZ-2020-08 Copeland Property Tucker Road and Johnson Road South E-A to R-A, County Water and Septic, ~6.07 acres

Recommended Action: Board's pleasure

Documents:

- c. REZ-2020-09 Richard Hill, Old Clyattville Rd. E-A to R-A, Well and Septic, ~24.46 acres

Recommended Action: Board's pleasure

Documents:

- d. TWR-2020-01 Verizon Wireless, Old State Road 0258-003, E-A, New ~165' Monopole

Recommended Action: Board's pleasure

Documents:

6. For Consideration

- a. Adoption of Millage Rate

Recommended Action: Adopt

Documents:

7. Bid

a. Ridgecrest, Woodland and Glenview Paving & Drainage Project

Recommended Action: Approve

Documents:

8. Reports - County Manager

9. Citizens Wishing To Be Heard - Please State Your Name and Address

10. Adjournment

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: REZ-2020-07 The Scruggs Company, 4621 Old US 41 N. R-1 to
M-1, Well and Septic, 5.9 acres

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT:

FUNDING SOURCE:

() Annual

() Capital

(X) N/A

() SPLOST

() TSPLOST

COUNTY ACTION REQUESTED ON: REZ-2020-07 The Scruggs Company, 4621 Old US 41 N.
R-1 to M-1, Well and Septic, 5.9 acres

HISTORY, FACTS AND ISSUES: This request represents a change in zoning on portions of the subject properties from Low Density Residential (R-1) to Light Manufacturing (M-1). The general motivation in this case is primarily to include the previously conveyed easement portion of map & parcel 0053 106 (north and west of Tract 2) that created a split-zoned parcel, and to prepare the requested portion of map & parcel 0053 108 for a possible combination with adjacent property of map & parcel 0053 106 in the future. The subject property possesses road frontage on Old US 41 N., which is a State maintained minor arterial road. Concerning the Comprehensive Plan Future Development Map, the subject property is in the Suburban Character Area and Urban Service Area. Per Comprehensive Plan guidance, M-1 zoning is not listed as a permitted zoning within a Suburban Character Area nor an Urban Service Area.

With this request the following factors are apparent: 1) the M-1 zoning of the majority of the northernmost parcel included in the request, 2) the existing business operating on the properties in this request, 3) the existing Georgia Southern & Florida Railroad buffer to the west, and 4) the depiction of the Future Development Map.

Overall, while staff finds this request inconsistent with the Comprehensive Plan Future Development Map, staff believes the continued operation of The Scruggs Company at this location and its impact on future growth in the area satisfy Goal 5 of the 2016 Comprehensive Plan, to “protect community resources through efficient and compatible uses of land that promote opportunities for investment and growth.”

Typical traffic flow capacity of an arterial road is greater than 6,000 AADT. Per the GDOT Annual Average Daily Traffic (AADT) is the average number of vehicles that pass by a counter during a 24-hour period in a certain year.

<http://www.dot.ga.gov/informationcenter/statistics/Documents/AADTDefinitions.pdf>

OPTIONS: 1. Approval
2. Board's pleasure

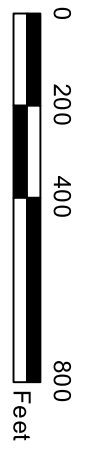
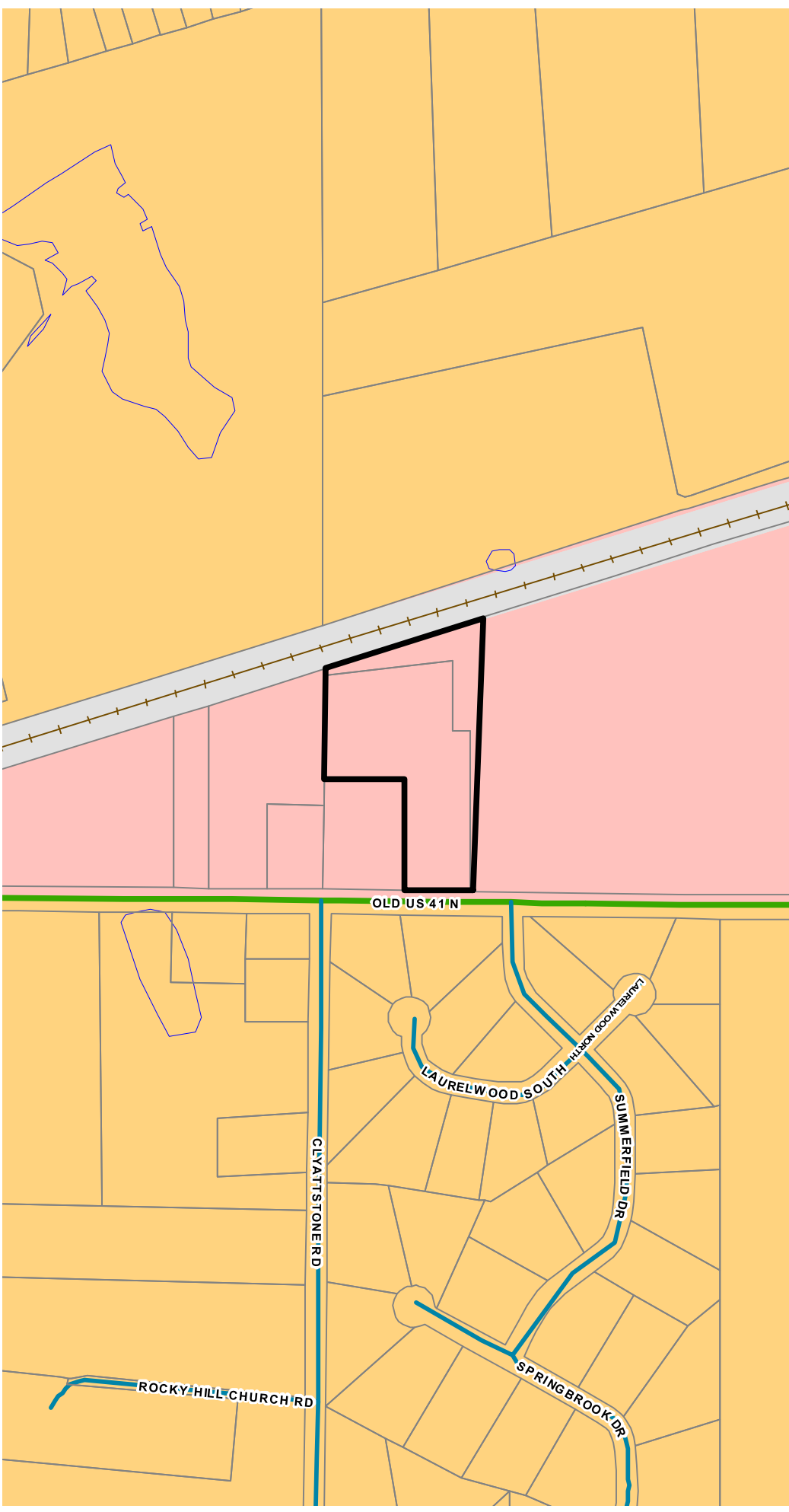
RECOMMENDED ACTION: Approve

DEPARTMENT: Planning/Zoning

DEPARTMENT HEAD: JD Dillard

ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

THE SCRUGGS COMPANY Rezoning Request



- Roads**
- Functional Classification**
- 1. INTERSTATE
 - 3. OTHER PRINCIPAL ARTERIAL
 - 4. MINOR ARTERIAL
 - 5. MAJOR COLLECTOR
 - 6. MINOR COLLECTOR
 - 7. LOCAL
- Railroads**
- Urban Service Area**
- City Limits
 - Parcels
 - Open Water
- Land Use Zones**
- Agriculture / Forestry
 - Community Activity Center
 - Downtown
 - Established Residential
 - Industrial Activity Center
 - Industrial Area
 - Institutional Activity Center
 - Linear GreenSpace/Trails
 - Mill Town
 - Moody Activity Zone
 - Neighborhood Activity Center
 - Park/Recreation/Conservation
 - Public / Institutional
 - Regional Activity Center
 - Remerton Neighborhood Village
 - Rural Activity Center
 - Rural Residential
 - Suburban Area
 - Transitional Neighborhood
 - Transportation/Communication/Utilities

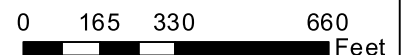
REZ-2020-07

WRPDO Site Map

Legend

- | | |
|----------------------|--------------------|
| — Roads | □ Open Water |
| — Railroads | ▒ Valdosta Airport |
| ▒ Park | ▒ Wetlands |
| ● Crashzone | ▒ 100 Yr Flood |
| ○ Crashzone West | — Hydrology |
| □ Urban Service Area | ▒ Drastic |
| | ▒ Recharge Areas |
| | ▒ Parcels |

THE SCRUGGS COMPANY Rezoning Request

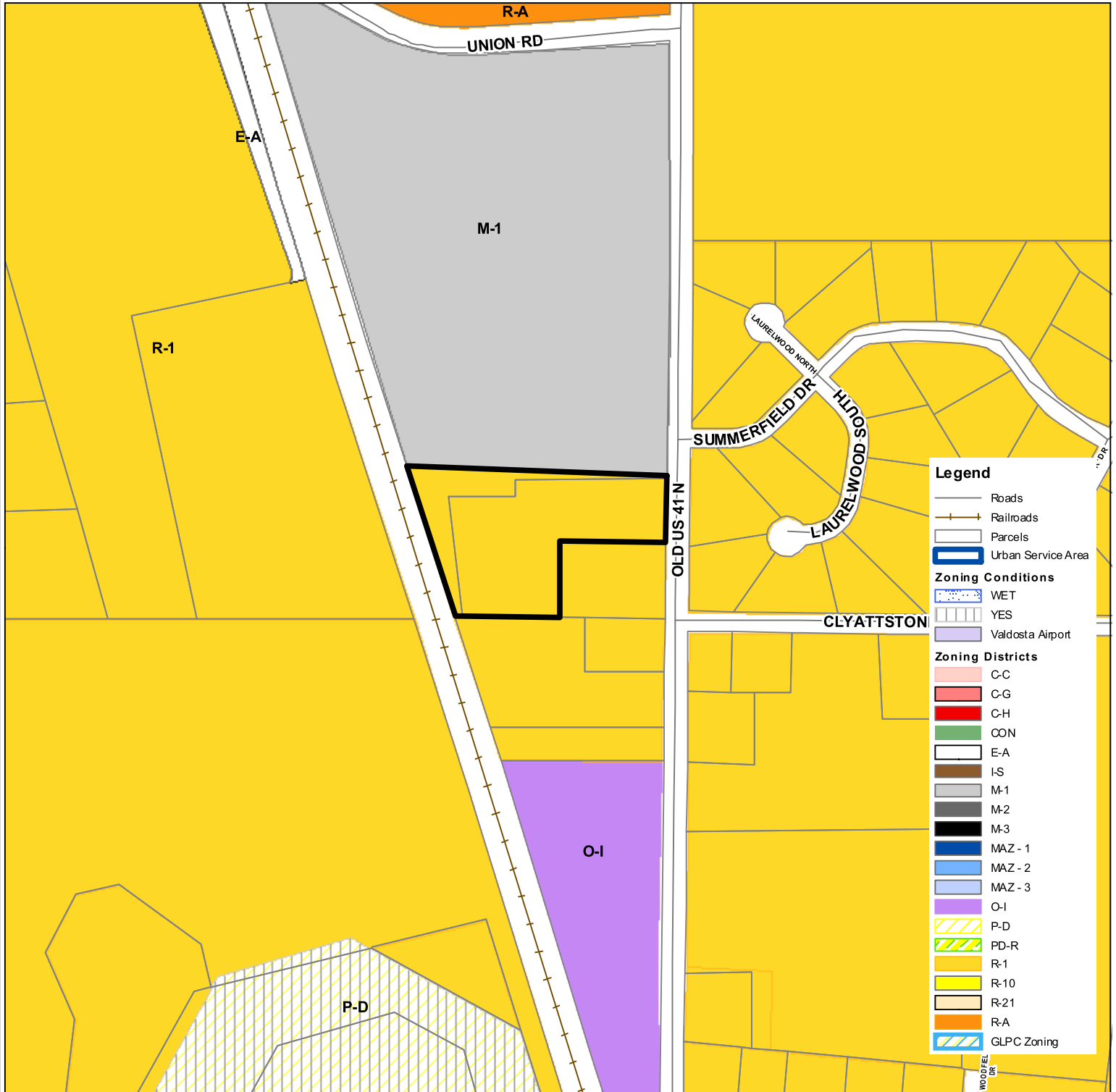


REZ-2020-07

Zoning Location Map

THE SCRUGGS COMPANY
Rezoning Request

CURRENT ZONING: R-1
PROPOSED ZONING: M-1





INNOVATE!

Engineering & Surveying

June 23, 2020
JD Dillard
327 N. Ashley Street 2nd Floor
Valdosta, Ga 31601

Letter of Intent

JD,

On behalf of The Scruggs Company, Innovate Engineering and Surveying submits this letter of intent to rezone Tract 2 attached hereon from R-1 to M-1.

We are proposing this rezoning after the sub-division plat has been approved. The property is located in a Neighborhood Activity Center according to the Greater Lowndes Comprehensive Plan and meets the objective as described in Goal 7, Policy 7.7.

Thank you for your consideration in this matter.

Sincerely,



Cody Califf

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: REZ-2020-08 Copeland Property Tucker Road and Johnson Road
South E-A to R-A, County Water and Septic, ~6.07 acres

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT:

FUNDING SOURCE:

- Annual
- Capital
- N/A
- SPLOST
- TSPLOST

COUNTY ACTION REQUESTED ON: REZ-2020-08 Copeland Property Tucker Road and Johnson Road South E-A to R-A, County Water and Septic, ~6.07 acres

HISTORY, FACTS AND ISSUES: This request represents a change in zoning on the subject property from E-A (Estate Agricultural) zoning to R-A (Residential Agricultural) zoning. The general motivation in this case is for the applicant to potentially subdivide the property and deed a portion to a family member. The subject property possesses road frontage on both Tucker Road and Johnson Road South, both County Local roads. Concerning the Comprehensive Plan Future Development Map the subject property is in the Urban Service Area and depicted as in a Transportation/Communication/Utilities Character Area. Per Comprehensive Plan guidance R-A zoning in this case, while not specifically called out, would be implied as a permitted zoning within a Transportation/Communication/Utilities Character Area as "Any other zoning district if compatible with surrounding zonings and uses...".

The GLPC heard the request at their regular July meeting and recommended Approval of the request by a unanimous vote (11-0). The TRC considered this request and had no objectionable comments.

In addition to the above information, the following factors should be considered: 1) The tied R-A zoned property to the southeast, across Johnson Road South, 2) In order for the parcel to remain in conformance with the ULDC after division, a change in zoning would be necessary as the newly created parcels will each be less than the minimum 5 acres required for E-A zoning, and 3) Any development of the property will require connection to the County Water System.

Typical traffic flow capacity of a county local road is <1500 AADT. Per the GDOT Annual Average Daily Traffic (AADT) is the average number of vehicles that pass by a counter during a 24-hour period in a certain year.

<http://www.dot.ga.gov/informationcenter/statistics/Documents/AADTDefinitions.pdf>

OPTIONS: 1. Approve

2. Board's pleasure

RECOMMENDED ACTION: Board's pleasure

DEPARTMENT: Planning/Zoning

DEPARTMENT HEAD: JD Dillard

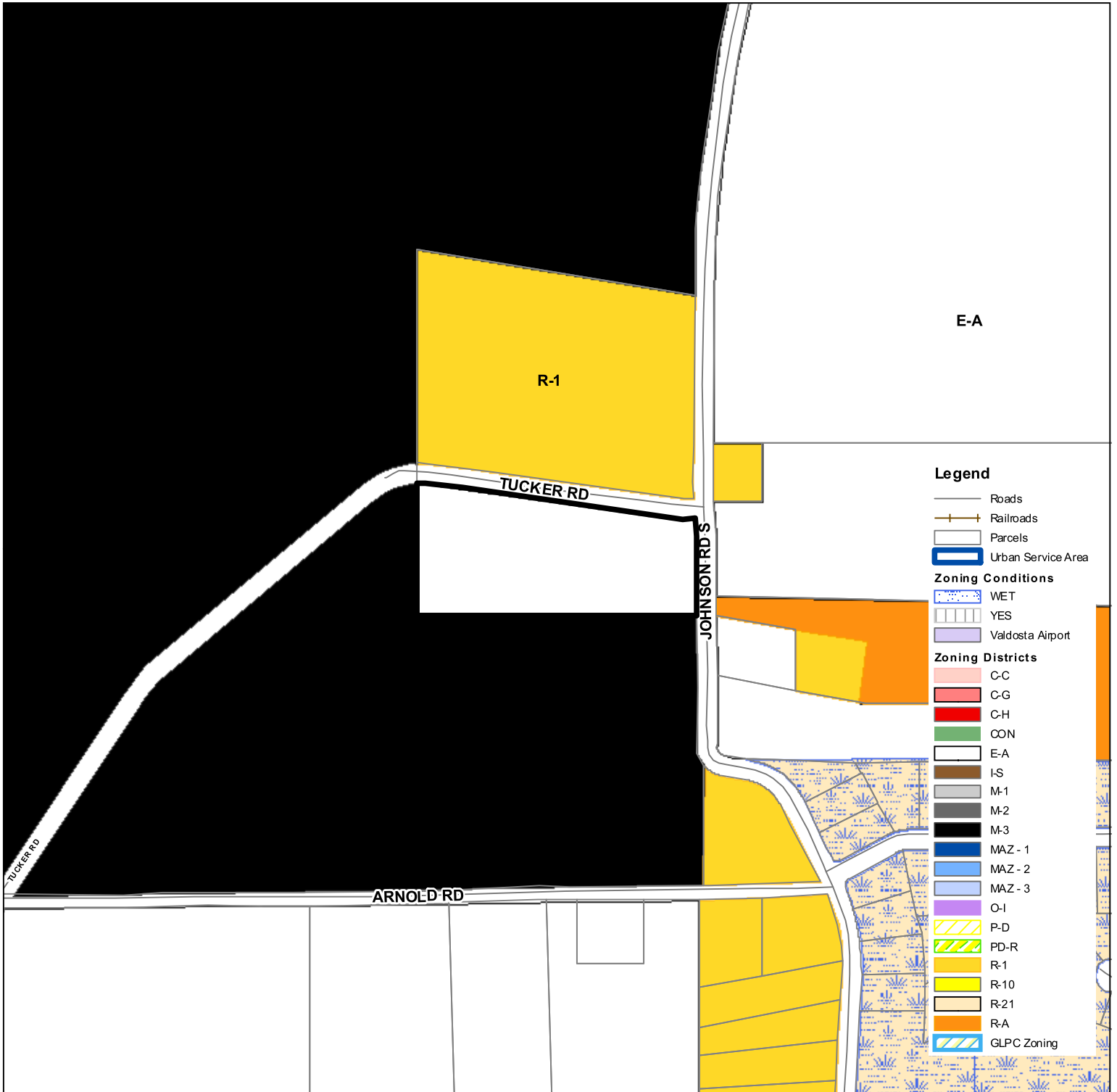
ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

REZ-2020-08

Zoning Location Map

COPELAND PROPERTY
Rezoning Request

CURRENT ZONING: E-A
PROPOSED ZONING: R-A



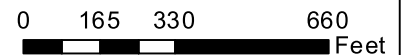
REZ-2020-08

WRPDO Site Map

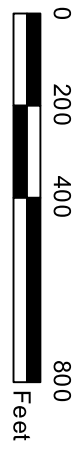
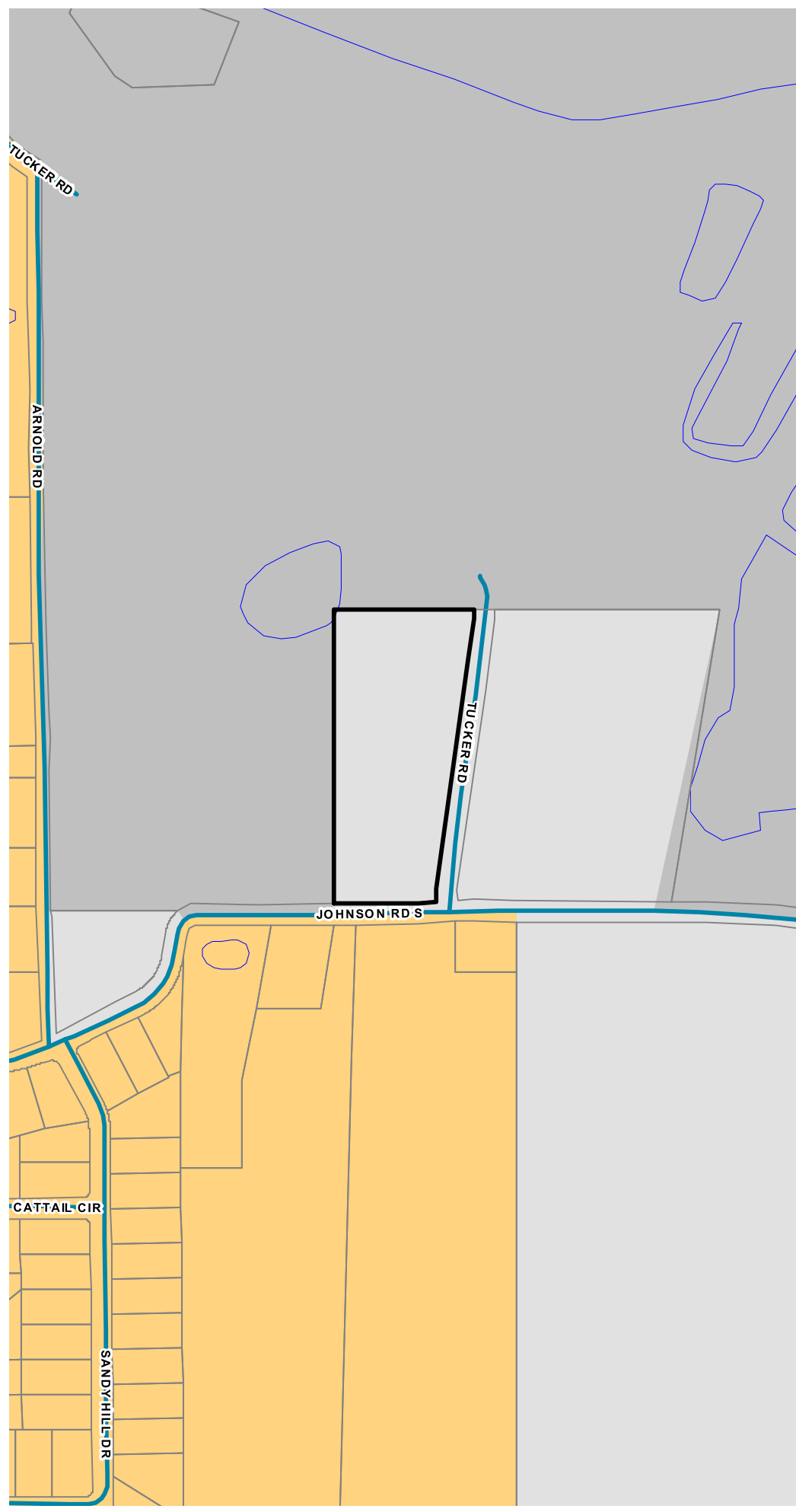
Legend

- Roads
- Railroads
- Park
- Crashzone
- Crashzone West
- Urban Service Area
- Open Water
- Valdosta Airport
- Wetlands
- 100 Yr Flood
- Hydrology
- Drastic
- Recharge Areas
- Parcels

COPELAND PROPERTY Rezoning Request



COPELAND PROPERTY Rezoning Request



- Roads**
- Functional Classification
 - 1. INTERSTATE
 - 3. OTHER PRINCIPAL ARTERIAL
 - 4. MINOR ARTERIAL
 - 5. MAJOR COLLECTOR
 - 6. MINOR COLLECTOR
 - 7. LOCAL
 - Railroads
-
- Urban Service Area
 - City Limits
 - Parcels
 - Open Water
-
- Agriculture / Forestry
 - Community Activity Center
 - Downtown
 - Established Residential
 - Industrial Activity Center
 - Industrial Area
 - Institutional Activity Center
 - Linear GreenSpace/Trails
 - Mill Town
 - Moody Activity Zone
 - Neighborhood Activity Center
 - Park/Recreation/Conservation
 - Public / Institutional
 - Regional Activity Center
 - Remerton Neighborhood Village
 - Rural Activity Center
 - Rural Residential
 - Suburban Area
 - Transitional Neighborhood
 - Transportation/Communication/Utilities

THIS PLAN AND SPECIFICATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE WITHOUT NOTICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**** PRELIMINARY ****



SUBJECT AREA
 (LOCATION IN LAND USE ZONING DISTRICT)
 (ADDRESS AND LOT IDENTIFICATION)
 (OWNER'S NAME AND ADDRESS)

GENERAL NOTES:
 1. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

**** PRELIMINARY ****


Plan Consulting Solutions
 1234 Main Street
 Anytown, CA 90123
 Phone: (555) 123-4567
 Fax: (555) 987-6543
 Email: info@plansolutions.com
 Website: www.plansolutions.com

NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
1	Excavation	100	cu yd	10.00	1000.00
2	Backfill	100	cu yd	5.00	500.00
3	Gravel	100	cu yd	15.00	1500.00
4	Asphalt	100	sq yd	20.00	2000.00
5	Concrete	100	cu yd	30.00	3000.00
6	Rebar	100	lb	0.50	50.00
7	Formwork	100	sq ft	1.00	100.00
8	Drainage	100	ft	1.00	100.00
9	Lighting	100	ft	1.00	100.00
10	Paint	100	gal	1.00	100.00
11	Landscaping	100	sq ft	1.00	100.00
12	Site Preparation	100	sq ft	1.00	100.00
13	Site Cleanup	100	sq ft	1.00	100.00
14	Site Restoration	100	sq ft	1.00	100.00
15	Site Maintenance	100	sq ft	1.00	100.00
16	Site Inspection	100	sq ft	1.00	100.00
17	Site Monitoring	100	sq ft	1.00	100.00
18	Site Reporting	100	sq ft	1.00	100.00
19	Site Archiving	100	sq ft	1.00	100.00
20	Site Review	100	sq ft	1.00	100.00



Tract B
~3.31 acres



Tracts A & C
~3.07 acres

I am proposing to rezone the property so that I can divide and deed a portion of the property to a family member. The property is located in a suburban area according to the Greater Lowndes Comprehensive Plan, and is located within the Urban Service Area. The proposed zoning meets the suburban characteristics of high to moderate building separation, low pedestrian orientation and a predominately residential use. The proposed use also meets the objective as described in Goal 4 Policy 4.6 and Goal 7, Policy 7.5.

A handwritten signature in black ink, appearing to read "K. Morris" followed by a stylized flourish.

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: REZ-2020-09 Richard Hill, Old Clyattville Rd. E-A to R-A, Well and Septic, ~24.46 acres

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT:

FUNDING SOURCE:

() Annual

() Capital

(X) N/A

() SPLOST

() TSPLOST

COUNTY ACTION REQUESTED ON: REZ-2020-09 Richard Hill, Old Clyattville Rd.E-A to R-A, Well and Septic, ~24.46 acres

HISTORY, FACTS AND ISSUES: This request represents a change in zoning on the subject property from E-A (Estate Agricultural) zoning to R-A (Residential Agricultural) zoning. The general motivation in this case is for the applicant to subdivide the property into approximately seven lots for single-family dwellings, varying in size from 2.75 acres to 4.5 acres. The subject property possesses road frontage on Old Clyattville Rd., a Major Collector road, which is included in the Vision2045: Valdosta-Lowndes Metropolitan Transportation Plan for widening, from 2 to 5 lanes in the years 2026-2029. Concerning the Comprehensive Plan Future Development Map the subject property is in the Urban Service Area and depicted as in a Suburban Character Area. Per Comprehensive Plan guidance, R-A zoning is listed as a permitted zoning within a Suburban Character Area.

The GLPC heard the request at their regular July meeting and recommended Approval of the request by a unanimous vote (11-0). The TRC considered this request and had no objectionable comments.

In addition to the above information, the following factors should be considered: 1) The property was originally zoned R-A at onset of the ULDC, and changed to E-A at request of property owner in 2006, 2) The adjacent R-A zoned property at the southwest tip of the property, and 3) The R-A zoned property to the east, across Old Clyattville Road.

Typical traffic flow capacity of a major collector road is 3000 to 6000 AADT. Per the GDOT Annual Average Daily Traffic (AADT) is the average number of vehicles that pass by a counter during a 24-hour period in a certain year.

<http://www.dot.ga.gov/informationcenter/statistics/Documents/AADTDefinitions.pdf>

OPTIONS: 1. Approve
2. Board's pleasure

RECOMMENDED ACTION: Board's pleasure

DEPARTMENT: Planning/Zoning

DEPARTMENT HEAD: JD Dillard

ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

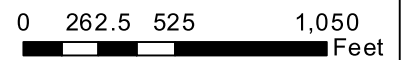
REZ-2020-09

WRPDO Site Map

Legend

- Roads
- Railroads
- Park
- Crashzone
- Crashzone West
- Urban Service Area
- Open Water
- Valdosta Airport
- Wetlands
- 100 Yr Flood
- Hydrology
- Drastic
- Recharge Areas
- Parcels

RICHARD HILL Rezoning Request

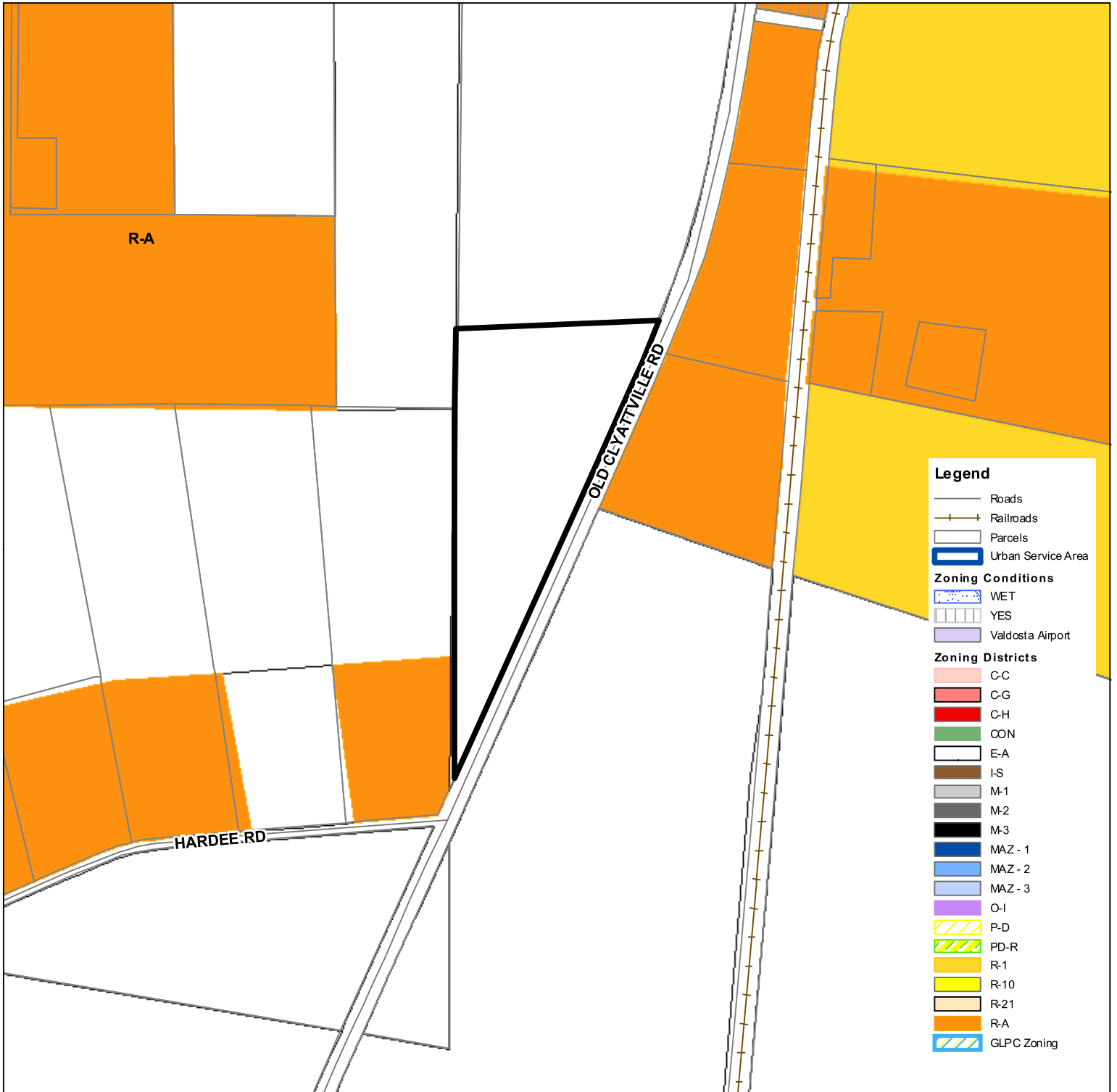


REZ-2020-09

Zoning Location Map

RICHARD HILL
Rezoning Request

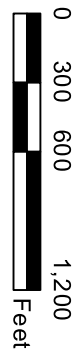
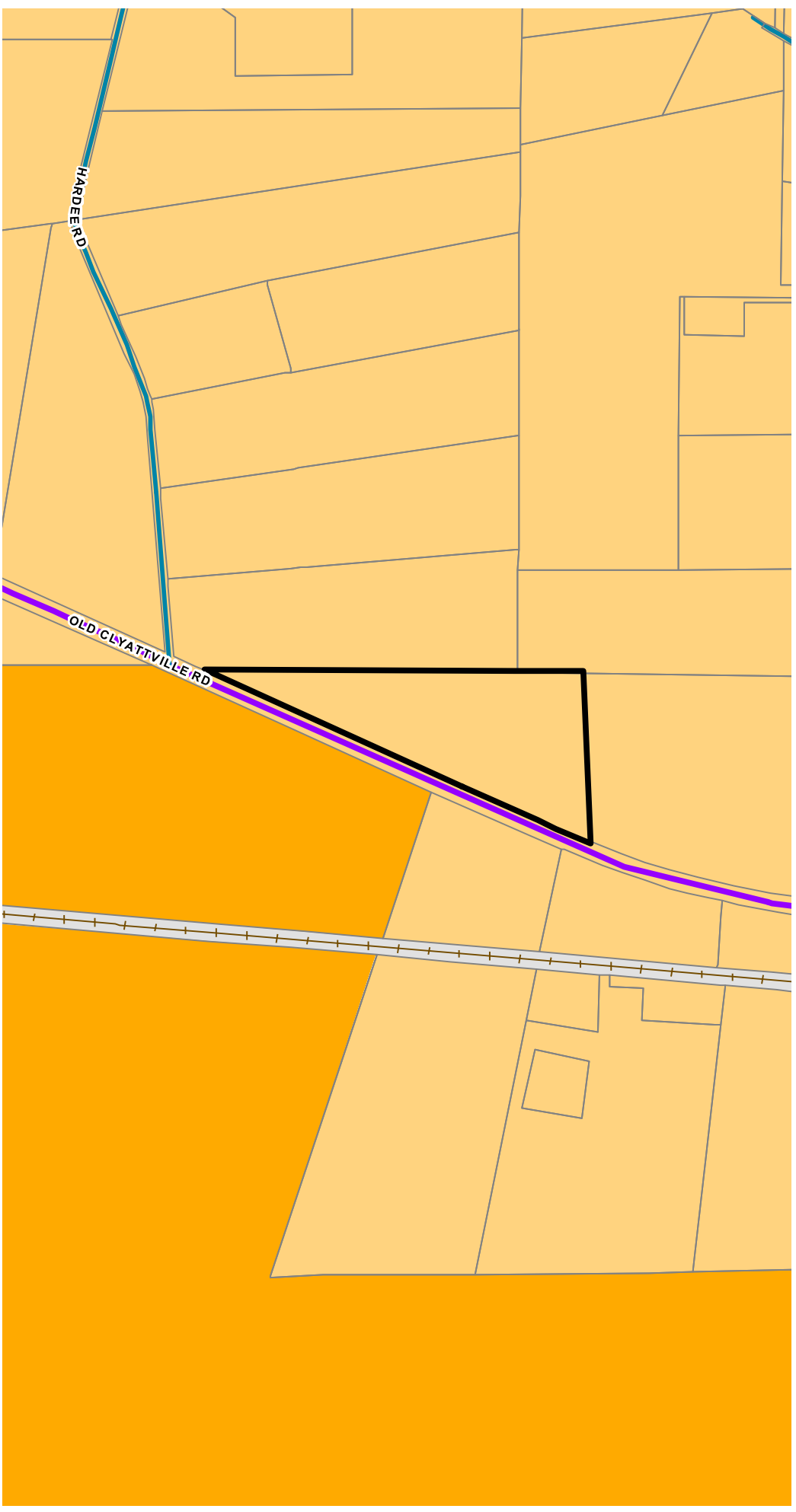
CURRENT ZONING: E-A
PROPOSED ZONING: R-A



REZ-2020-09

Future Development Map

RICHARD HILL Rezoning Request



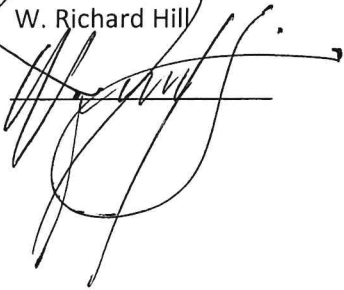
- Roads**
- Functional Classification**
- 1. INTERSTATE
 - 3. OTHER PRINCIPAL ARTERIAL
 - 4. MINOR ARTERIAL
 - 5. MAJOR COLLECTOR
 - 6. MINOR COLLECTOR
 - 7. LOCAL
- Railroads
- Urban Service Area**
- City Limits
 - Parcels
 - Open Water
- Activity Zones**
- Agriculture / Forestry
 - Community Activity Center
 - Downtown
 - Established Residential
 - Industrial Activity Center
 - Industrial Area
 - Institutional Activity Center
 - Line of Greenspace/Trails
 - Mill Town
 - Moody Activity Zone
 - Neighborhood Activity Center
 - Park/Recreation/Conservation
 - Public / Institutional
 - Regional Activity Center
 - Remerton Neighborhood Village
 - Rural Activity Center
 - Rural Residential
 - Suburban Area
 - Transitional Neighborhood
 - Transportation/Communication/Utilities

Tract 7- Old Clyattville Road

Letter of Intent

I request the rezoning of tract 7 of the Oliver Family Timberlands Tract from EA to RA-2.5. With the rezoning, I would propose subdividing this 24.46 acre tract into a subdivision of approximately seven lots varying in size from 2.75 acres to the largest lot being 4.5 acres with the average lot size being 3.5 acres. All the lots would front on Old Clyattville Road. A rough sketch is attached indicating the proposed lot lines but the final lot sizes and lines would be determined by a surveyor. The minimum lot width is proposed to be 250 feet in accordance with the existing 400 feet Corridor Overlay District requirements along Old Clyattville Road. The proposed widening of Old Clyattville Road by Lowndes County would alleviate any concerns of an increase of traffic by the subdivision of the property. All lots would be required to connect to the existing Lowndes County Utility System. I propose that a deed restriction be placed on the lots which would prohibit modular housing, limit the type of livestock allowed on the property and require a minimum of a 1400 square feet home. There are several dwellings adjacent to this property of the same size home and lot.

W. Richard Hill

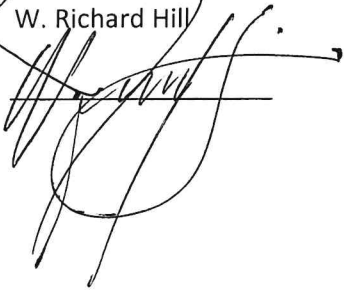
A handwritten signature in black ink, appearing to read 'W. Richard Hill', is written over a horizontal line. The signature is stylized and somewhat illegible due to the cursive style.

Tract 7- Old Clyattville Road

Letter of Intent

I request the rezoning of tract 7 of the Oliver Family Timberlands Tract from EA to RA-2.5. With the rezoning, I would propose subdividing this 24.46 acre tract into a subdivision of approximately seven lots varying in size from 2.75 acres to the largest lot being 4.5 acres with the average lot size being 3.5 acres. All the lots would front on Old Clyattville Road. A rough sketch is attached indicating the proposed lot lines but the final lot sizes and lines would be determined by a surveyor. The minimum lot width is proposed to be 250 feet in accordance with the existing 400 feet Corridor Overlay District requirements along Old Clyattville Road. The proposed widening of Old Clyattville Road by Lowndes County would alleviate any concerns of an increase of traffic by the subdivision of the property. All lots would be required to connect to the existing Lowndes County Utility System. I propose that a deed restriction be placed on the lots which would prohibit modular housing, limit the type of livestock allowed on the property and require a minimum of a 1400 square feet home. There are several dwellings adjacent to this property of the same size home and lot.

W. Richard Hill

A handwritten signature in black ink, appearing to be 'W. Richard Hill', written over a horizontal line. The signature is stylized and somewhat illegible.

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: TWR-2020-01 Verizon Wireless, Old State Road 0258-003, E-A,
New ~165' Monopole

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT:

FUNDING SOURCE:

- () Annual
- () Capital
- (X) N/A
- () SPLOST
- () TSPLOST

COUNTY ACTION REQUESTED ON: TWR-2020-01 Verizon Wireless, Old State Road
0258-003, E-A, New ~165' Monopole

HISTORY, FACTS AND ISSUES:

This case represents an attempt by the applicant to construct a new ~165' telecommunications monopole within a 455 acre wooded tract near Naylor, off Old State Road. The subject property is currently zoned Estate Agriculture (E-A) and is allowed to be used for the construction of a new telecommunications tower with GLPC review and LCBOC approval. For further reference, where towers are allowed per the various zoning districts, new towers require LCBOC approval while collocation on existing towers require only administrative approval. Additionally, if the proposed tower is determined to likely interfere with the use of aircraft traffic operations around the Valdosta Regional Airport (VLD) or Moody Air Force Base (MAFB) the application can be required to receive a letter of clearance from the aforementioned bodies. In this case, a letter of clearance is not required from either the Valdosta Regional Airport or MAFB.

The primary motivation for a new tower at the subject property is a gap in the existing coverage area. The subject property is in the Rural Service Area and depicted as Agricultural/Forestry on the Future Development Map. While the character areas comment generally on the preservation of rural areas, Goal 10 of the Comprehensive Plan cites the support of technological infrastructure.

The GLPC heard the request at their regular July meeting and recommended Approval of the request by a unanimous vote (11-0). The TRC considered this request and had no objectionable comments.

The applicant has requested relief from the landscaping requirements in favor of an undisturbed buffer given the site's remote location. Staff has found this request overall consistent with the Comprehensive Plan and the TRC had no objectionable comments regarding this request.

- OPTIONS: 1. Approve
2. Board's pleasure

RECOMMENDED ACTION: Board's pleasure

DEPARTMENT: Planning/Zoning

DEPARTMENT HEAD: JD Dillard

ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

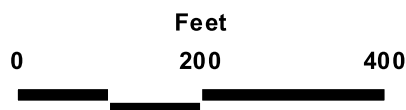
TWR-2020-01

WRPDO Site Map

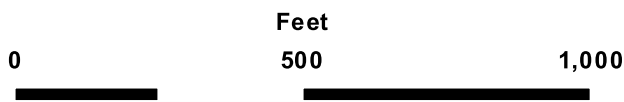
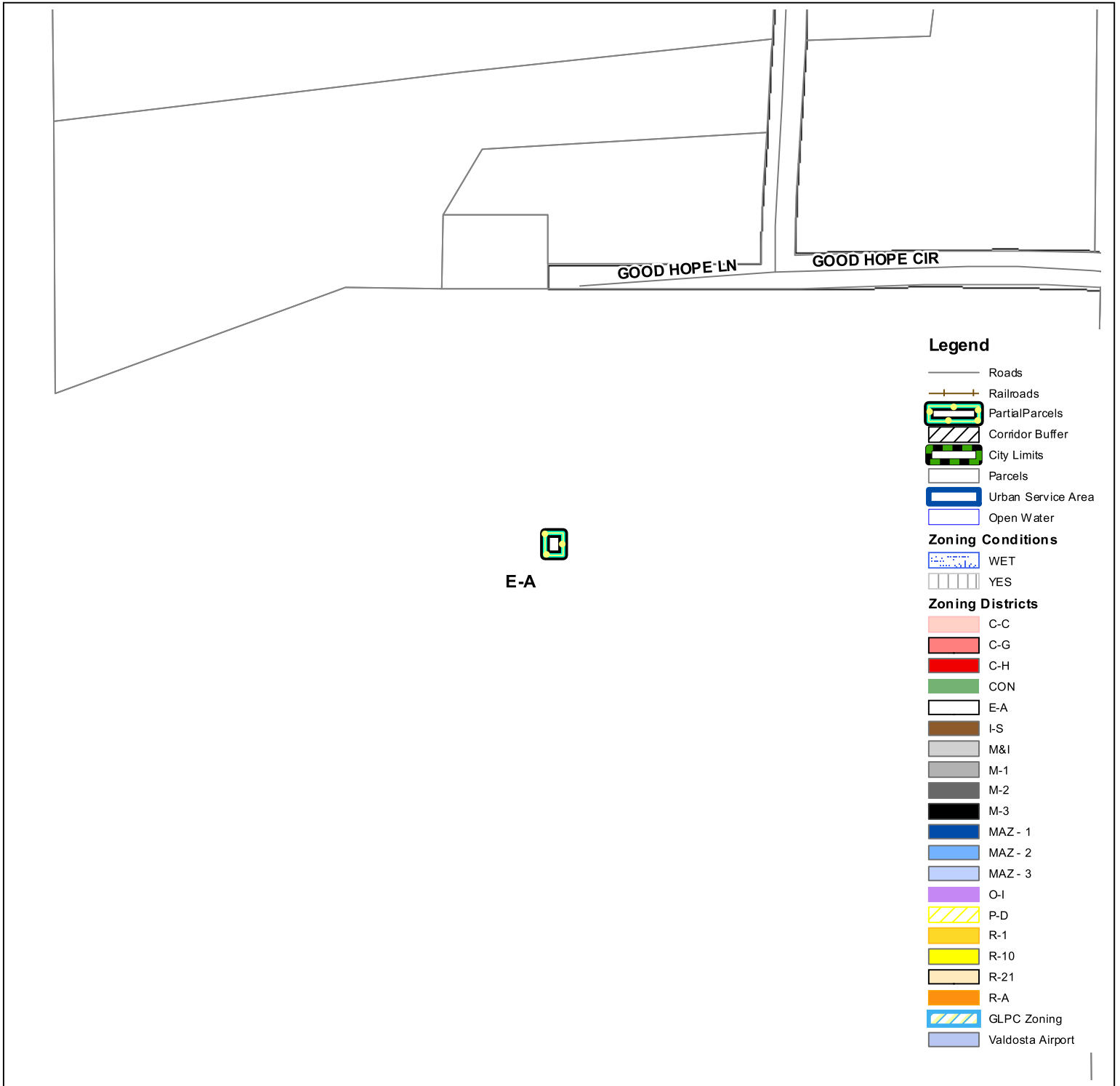
Legend

- | | |
|--------------------|------------------|
| — Roads | Open Water |
| — Railroads | Valdosta Airport |
| Park | Wetlands |
| City Limits | 100 Yr Flood |
| Crashzone | Hydrology |
| Crashzone West | Drastic |
| Urban Service Area | Recharge Areas |
| | Parcels |

Tower Request



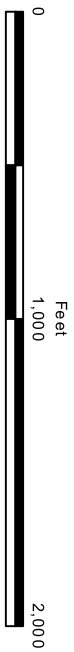
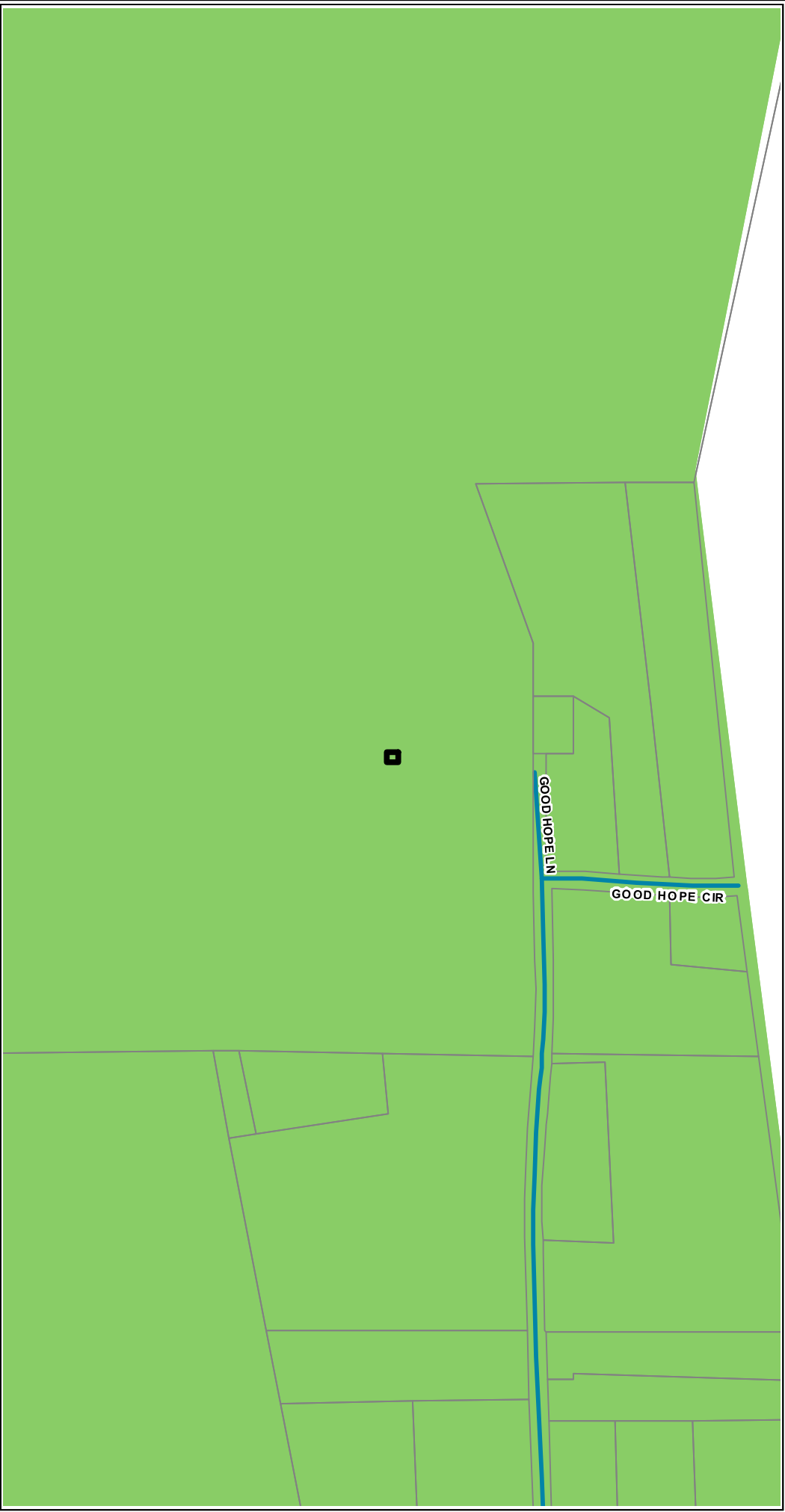
Tower Request



TWR-2020-01

Future Development Map

Tower Request



- Urban Service Area
- City Limits
- Parcels
- Railroads
- Open Water


Roads

Functional Classification

- 1. INTERSTATE
- 3. OTHER PRINCIPAL ARTERIAL
- 4. MINOR ARTERIAL
- 5. MAJOR COLLECTOR
- 6. MINOR COLLECTOR
- 7. LOCAL

Character Areas

- Agriculture / Forestry
- Community Activity Center
- Downtown
- Established Residential
- Industrial Activity Center
- Institutional Activity Center
- Linear Greenspace/Traills
- Mill Town
- Neighborhood Activity Center
- Neighborhood Village
- Park/Recreation/Conservation
- Public / Institutional
- Regional Activity Center
- Rural Activity Center
- Rural Residential
- Suburban Area
- Transitional Neighborhood
- Transportation/Communication/Utilities

A photograph of a wooded area with a grassy clearing. The foreground is filled with tall, green grass. In the background, there are several tall, thin trees, possibly pines, and some larger, leafy trees. A text box is overlaid on the left side of the image, containing the following text:

Site Approximately 803'
from Good Hope Circle.
Stakes are center line
of 30' proposed road.





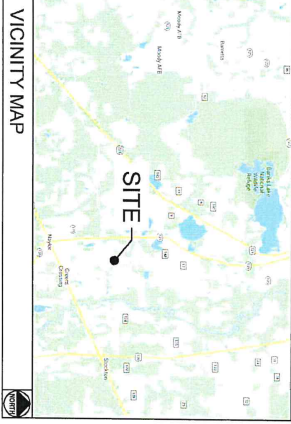
10300 OLD ALABAMA ROAD CONNECTOR
ALPHARETTA, GA 30022

OLD STATE ROAD
FUZE PROJECT ID: 15525785

NOTE:
THE DESIGN OF THIS PROPOSED TELECOMMUNICATIONS SITE IS IN ACCORDANCE WITH SECTION 5.05.00 OF THE LOWNDES COUNTY ORDINANCE 06-1392.

LOWNDES COUNTY SHERIFF
120 PRISON FARM RD
VALDOSTA, GA 31601
PHONE: (229) 671-2900
ATTN.: CUSTOMER SERVICE

LOWNDES COUNTY FIRE RESCUE
2981 US HIGHWAY 84 W
VALDOSTA, GA 31601
PHONE: (229) 671-2730
ATTN.: CUSTOMER SERVICE



FROM ALPHARETTA, GEORGE HEAD NORTH 384 FT, TURN RIGHT TOWARD OLD ALABAMA RD CON 82 FT, TURN LEFT AT THE 1ST CROSS STREET ONTO OLD ALABAMA RD CON 64 MI, TURN LEFT ONTO MANSELL RD 1.3 MI, USE THE LEFT 2 LANES TO TURN LEFT ONTO THE ROUTE 19 SHROUTE 400 S RAMP 37 FT, KEEP RIGHT AND MERGE ONTO US-19 SHHWY 400 S 0.3 MI; MERGE ONTO US-19 SHHWY 400 S 8.9 MI, KEEP LEFT TO CONTINUE ON ROUTE 19 SHROUTE 400 S 1.7 MI, KEEP LEFT TO STAY ON I-75 S 4.6 MI, KEEP LEFT TO STAY ON I-75 S 4.6 MI, KEEP RIGHT AT THE FORK TO CONTINUE ON I-75 S, FOLLOW SIGNS FOR BYPASS TO I-75 SOUTH VALDOSTA 15.6 MI, KEEP LEFT AND MERGE ONTO I-75 S 117 MI, TAKE EXIT 99 TOWARD GA-37/EAH ST 0.4 MI, TURN LEFT ONTO GA-37/EAH ST 0.2 MI, TURN RIGHT ONTO GA-37/EAH ST 0.2 MI, TURN RIGHT ONTO GA-135 MILL ST, CONTINUE TO FOLLOW GA-135 S 1.3 MI, TURN LEFT ONTO GOOD HOPE RD 4.6 MI, TURN RIGHT ONTO GOOD HOPE CIR 0.6 MI, THE DESTINATION WILL BE TO THE SOUTH.

GOOD HOPE CIRCLE
NAYLOR, GA 31641
LOWNDES COUNTY
LATITUDE: 30° 56' 33.20" N
LONGITUDE: 83° 04' 08.84" W
TAXPIN #: 0258 003
ZONING: EA

MUNICIPALITY:
LOWNDES COUNTY
STATE:
GEORGIA
TOWER TYPE:
MONOPOLE TOWER
TOWER HEIGHT:
155' (165' TO HIGHEST APPURTENANCE)
NUMBER OF CARRIERS:
PROPOSED 1 PROPOSED
USE:
PROPOSED TELECOMMUNICATIONS TOWER
AND UNMANNED EQUIPMENT

DEVELOPER
VERIZON WIRELESS
10300 OLD ALABAMA RD CON.
ALPHARETTA, GA 30022
PHONE: (678) 277-3500
ATTN: KIM NGUYEN

POWER COMPANY
SILASH PINE EMC
PHONE: (877) 205-4736
ATTN.: CUSTOMER SERVICE

PROPERTY OWNER
PHILLIP CADWELL CONNELL
PO BOX 156
LAKELAND, GA 31635
PHONE: (229) 560-1090
ATTN.: PHILLIP CONNELL

CONSULTANT
KIMLEY-HORN AND ASSOCIATES, INC.
11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
PHONE: (770) 545-6102
ATTN.: COLE EDMONSON

SHEET NO.	SHEET TITLE
T1	COVER SHEET
-	SITE SURVEY (SHEET 1 OF 3)
-	SITE SURVEY (SHEET 2 OF 3)
-	SITE SURVEY (SHEET 3 OF 3)
N1	GENERAL NOTES
C0	OVERALL PARCEL PLAN
C1	OVERALL SITE PLAN
C2	SITE PLAN
C3	EQUIPMENT PAD LAYOUT
C4	EQUIPMENT RACK DETAIL - FRONT
C5	EQUIPMENT RACK DETAIL - REAR
C6	CONCRETE PAD FOUNDATION DETAILS
C7	FENCE, GATE AND COMPOUND DETAILS
C8	GRADING AND EROSION CONTROL PLAN
C8.1	GRADING AND EROSION CONTROL PLAN
C9	GRADING AND EROSION CONTROL DETAILS
C10	ACCESS ROAD DETAILS
C11	SITE SIGNAGE DETAILS
C12	WAVEGUIDE BRIDGE DETAILS
C13	ANTENNA AND TOWER ELEVATION DETAILS
M1	MECHANICAL PLAN AND NOTES
E1	ELECTRICAL NOTES
E2	UTILITY SERVICE ROUTING PLAN
E3	OVERALL UTILITY ROUTING PLAN
E4	METER RACK DETAILS
E5	ELECTRICAL SINGLE LINE DIAGRAM
E6	PANEL SCHEDULE
E7	ELECTRICAL DETAILS
E8	GROUNDING NOTES
E9	GROUNDING PLAN
E10	GROUNDING SINGLE LINE DIAGRAM
E11	GROUNDING DETAILS
E12	GROUNDING DETAILS

LOWNDES COUNTY PLANNING & ZONING
327 NASHLEY STREET
VALDOSTA, GA 31601
PHONE: (229) 671-2430
ATTN.: CUSTOMER SERVICE

PERMIT INFORMATION

PROJECT INFORMATION:
SITE NAME:
OLD STATE ROAD
SITE NO.: 502591
FUZE PROJECT#: 15525785
GOOD HOPE CIRCLE
NAYLOR, GA 31641
LOWNDES COUNTY

PLANS PREPARED BY:
Kimley-Horn
11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
PHONE: (770) 545-6102
WWW.KHLETCO.COM

REVISIONS:
REV. DATE ISSUED FOR BY
1 06/24/20 CONSTRUCTION WCE
2 06/24/20 CONSTRUCTION WCE
3 06/24/20 CONSTRUCTION WCE
4 06/24/20 CONSTRUCTION WCE
5 06/24/20 CONSTRUCTION WCE
6 06/24/20 CONSTRUCTION WCE
7 06/24/20 CONSTRUCTION WCE
8 06/24/20 CONSTRUCTION WCE
9 06/24/20 CONSTRUCTION WCE
10 06/24/20 CONSTRUCTION WCE

LICENSER:
WILLIAM C EDMONSON
REGISTERED PROFESSIONAL ENGINEER
NO. 88981
EXPIRES 12-31-2020

CHA PROJECT NUMBER:
013509094
DRAWN BY: CHECKED BY:
TDM WCE

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
T1

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1.00 GENERAL NOTES

- 1.01 ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE, LOCAL AND NATIONAL CODES, ORDINANCES AND OR REGULATIONS APPLICABLE TO THIS PROJECT.
- 1.02 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DISCREPANCIES SHOWN AND SHALL CHECK ALL DIMENSIONS, ALL PROJECT MANAGER AND/OR ENGINEER AND BE RESPONSIBLE FOR PROCEEDING WITH WORK WHERE THERE IS A CONFLICT BETWEEN DRAWING AND VERIZON SPECIFICATIONS. THE VERIZON PROJECT ENGINEER SHOULD BE CONTACTED FOR CLARIFICATION.
- 1.03 ALL INFORMATION SHOWN ON THE DRAWINGS RELATIVE TO EXISTING CONDITIONS IS GIVEN AS THE BEST PRESENT KNOWLEDGE, BUT NOT GUARANTEED. ACCURACY WHERE ACTUAL CONDITIONS DIFFER FROM THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE PROJECT MANAGER AND/OR ENGINEER SO THAT PROPER REVISIONS MAY BE MADE WITHOUT WRITTEN APPROVAL OF THE PROJECT MANAGER AND/OR ENGINEER.
- 1.04 CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH SITE CONDITIONS AS SHOWN ON THE ATTACHED SITE PLAN AND/OR SURVEY DRAWINGS.
- 1.05 WAVEGUIDE BRIDGE AND EQUIPMENT CABINETS ARE SHOWN FOR INFORMATION. REFER TO SEPARATE DRAWINGS FOR SPECIFIC INFORMATION.
- 1.06 ALL FINISHED GRADES SHALL SLOPE MINIMUM 1/4" IN./FT. AWAY FROM EQUIPMENT IN ALL DIRECTIONS. CONTRACTOR SHALL SLOPE SWALES AS REQUIRED ALONG EXISTING TERRAIN TO DRAIN AWAY FROM COMPOUND AND ACCESS DRIVE.
- 1.07 THE PROPOSED TOWER AND TOWER FOUNDATIONS WERE DESIGNED BY OTHERS. TOWER INFORMATION PROVIDED ON THESE PLANS ARE PROVIDED FOR REFERENCE PURPOSES ONLY. NOTIFY ENGINEER OR PROJECT MANAGER OF ANY CONFLICTS OR DISCREPANCIES. CONTRACTOR TO OBTAIN COPY OF TOWER DESIGN DRAWINGS, IF AVAILABLE, FROM VERIZON PROJECT MANAGER TO CONFIRM COAX ROUTING AND ANTENNA MOUNT INFORMATION.
- 1.08 THE CONTRACTOR SHALL PROVIDE ADEQUATE EXCAVATION SLOPING, SHOULDER BRACING, BOLD AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE, AND LOCAL SAFETY ORDINANCES.
- 1.09 UPON COMPLETION OF CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY CONSTRUCTION ACTIVITIES TO THE EXISTING EXISTING ROAD AND COMPOUND GRAVEL AREAS. ANY NEW FILL MATERIALS SHALL BE COMPACTED.
- 1.10 THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND SHALL REQUEST A VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF THEIR UNDERGROUND UTILITIES AND WHERE THEY MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF IMPROVEMENTS AS SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THESE IMPROVEMENTS SHALL BE RESPONSIBLE FOR VERIFYING THE TOLL FREE NUMBER (800) 282-7411 (OR 811) ANY UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR. AT NO EXPENSE TO THE OWNER.
- 1.11 CONTRACTOR TO PROVIDE DUMPSTER AND PORTABLE TOILET FACILITY DURING CONSTRUCTION.
- 1.12 CONTRACTOR TO PROVIDE STYME LOCK OR EQUIVALENT AS APPROVED BY VERIZON PROJECT MANAGER.
- 1.13 CONTRACTOR TO PROVIDE ANY NECESSARY SIGNAGE PER VERIZON PROJECT MANAGER'S INSTRUCTIONS. SEE DETAIL ON SHEET C11.

2.00 EQUIPMENT FOUNDATION NOTES

- 2.01 FOUNDATIONS ARE DESIGNED FOR A PRESUMPTIVE ALLOWABLE SOIL BEARING CAPACITY OF 2,000 PSF. CONTRACTOR SHALL VERIFY SOIL CONDITIONS AND BEARING CAPACITY PRIOR TO CONSTRUCTION.
- 2.02 EXCAVATE A MINIMUM 18" BELOW PROPOSED EQUIPMENT FOUNDATIONS OF EXPANSIVE, ORGANIC, UNCONSOLIDATED OR OTHERWISE UNACCEPTABLE MATERIAL AND REPLACE WITH WELL-COMPACTED MATERIAL ACCEPTABLE TO VERIZON.
- 2.03 CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, PROTECTING, AND RELOCATING AS REQUIRED ALL SERVICE AND UTILITY LINES IN VICINITY OF THE WORK SITE. ALL EXCAVATIONS NEAR THESE LINES TO BE CARRIED OUT WITH EXTREME CAUTION. COORDINATE ALL RELOCATIONS WITH THE PROPERTY OWNER.
- 2.04 CONTRACTOR TO CUT/FILL EXISTING COMPOUND SUBSOIL TO PROVIDE AN AREA AS LEVEL AS POSSIBLE FOR THE EQUIPMENT FOUNDATIONS. ALL FILL AREAS ARE TO BE FILLED WITH SUITABLE MATERIALS. FILL MATERIALS ARE TO BE PLACED, COMPACTED, AND TESTED IN MAXIMUM LAYERS OF 8" COMPACTED OF ALL FILL MATERIALS. THE ACCEPTANCE OF ASTM D 1557 WITH A MOISTURE CONTENT OF 10% SHALL BE THE BASIS FOR ACCEPTANCE. ALL TESTS MUST MEET THE MINIMUM SPECIFIED SOIL BEARING CAPACITY. COMPACTION TESTING IS BY THE GEOTECHNICAL TESTING COMPANY DESIGNATED FOR THE PROJECT. SCHEDULING AND COORDINATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. REPORTS OF ALL TESTING ARE TO BE PROMPTLY DELIVERED OR FAXED TO THE VERIZON WIRELESS PROJECT MANAGER.
- 2.05 CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION TO AC-318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- 2.06 CONCRETE SHALL HAVE A SLUMP BETWEEN 3" AND 6".
- 2.07 FIBERS FOR CONCRETE SHALL BE FIBERMESH 650, 100 PERCENT WIRCON POLYPROPYLENE FIBRILLATED FIBERS, AS PATENTED TECHNOLOGY. PATENTED TECHNOLOGY CONTAINING NO REPRODUCED OLEFIN MATERIALS. THE FIBERS SHALL BE SUPPLIED IN 50 LB BAGS AND MANUFACTURED SPECIFICALLY FOR THE SECONDARY REINFORCEMENT OF CONCRETE.
- 2.08 THE FIBERS SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED MANUFACTURING FACILITY. UNLESS OTHERWISE STATED, FIBERMESH 650 BARCH-SYNTHETIC FIBERS SHALL BE ADDED TO THE CONCRETE AT 3 LBS/YD³ AND MIXED FOR A SUFFICIENT TIME (MINIMUM 5 MINUTES AT FULL MIXING SPEED) TO ENSURE UNIFORM DISTRIBUTION OF THE FIBERS THROUGHOUT THE CONCRETE. FIBEROS CONCRETE REINFORCEMENT SHALL BE MANUFACTURED BY FIBERMESH, INC. 10000 STATE ROUTE 100, CANTON, INDIANA, IN 47416 USA, TEL: 800 621-1273, WEBSITE: WWW.FIBERMESH.COM
- 2.09 AT THE REQUEST OF THE VERIZON WIRELESS PROJECT MANAGER, TEST CYLINDERS SHALL BE MOULDED AND LABORATORY CURED IN ACCORDANCE WITH ASTM C31. THREE CYLINDERS SHALL BE TAKEN FOR EACH DAY'S CONCRETE PLACEMENT. CYLINDERS SHALL BE TESTED IN ACCORDANCE WITH THE LATEST REVISION TO ASTM C39.
- 2.10 CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 3/4" x 45° CHAMFER, UNLESS OTHERWISE NOTED.
- 2.11 CONCRETE FORMWORK IS TO BE STRIPPED WITHIN 48 HOURS. VIBRATION OF THE CONCRETE MUST ASSURE THAT HONEYCOMBING WILL BE AT A MINIMUM. MECHANICAL VIBRATION OF ALL CONCRETE IS REQUIRED UNLESS OTHERWISE DIRECTED BY VERIZON WIRELESS' PROJECT MANAGER. ABOVE GRADE CONCRETE IS TO BE RUBBED AND PATCHED TO ASSURE SMOOTH FINISH AT TIME OF FORMS REMOVAL. CONTRACTOR SHALL PROVIDE A BROOM FINISH ON THE TOP SURFACE OF THE ELEMENT FOUNDATION UNLESS OTHERWISE DIRECTED BY VERIZON WIRELESS PROJECT MANAGER.
- 2.12 TOPS OF CONCRETE FOUNDATION MUST BE WITHIN 0.02' OF ELEVATION REQUIRED.
- 2.13 TOP OF FOUNDATION FINISH TO BE LEVEL ± 1/8" IN 10'.
- 2.14 TOP OF FOUNDATION TO HAVE MEDIUM BROOM FINISH.
- 2.15 CONTRACTOR SHALL REFER TO DRAWINGS OF OTHER TRADES AND VENDOR DRAWINGS FOR EMBEDDED ITEMS AND RECESSES NOT SHOWN ON THE STRUCTURAL DRAWINGS. CONTRACTOR SHALL VERIFY PLACEMENT OF EQUIPMENT AND LOCATION OF CONDUIT FOR MANUFACTURERS AND VENDORS SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL DIMENSIONS AND SLEEVES FOR PROPER DISTRIBUTION OF ALL UTILITIES.

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verizon
 1000 OLD ALABAMA ROAD, SUITE 200
 NATION, GA 30060
 PHONE: 770-330-0000

PROJECT INFORMATION:
 SITE NAME: OLD STATE ROAD
 SITE NO.: 502591
 FLUZE PROJECT#: 15525785
 6000 HOPE CIRCLE
 NATION, GA 30641
 LAMNES COUNTY

Kimley-Horn
 11700 AMERIS PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30029
 PHONE: 770-774-2000
 WWW.KIMLEY-HORN.COM

PLANS PREPARED BY:

REV#	DATE	ISSUED FOR	BY
7			
6			
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3			
2			
1	06/16/20	CONSTRUCTION WCE	
0	06/12/20	PRELIMINARY WCE	

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 WILLIAM C. EMMERT
 LICENSE NUMBER: 20000

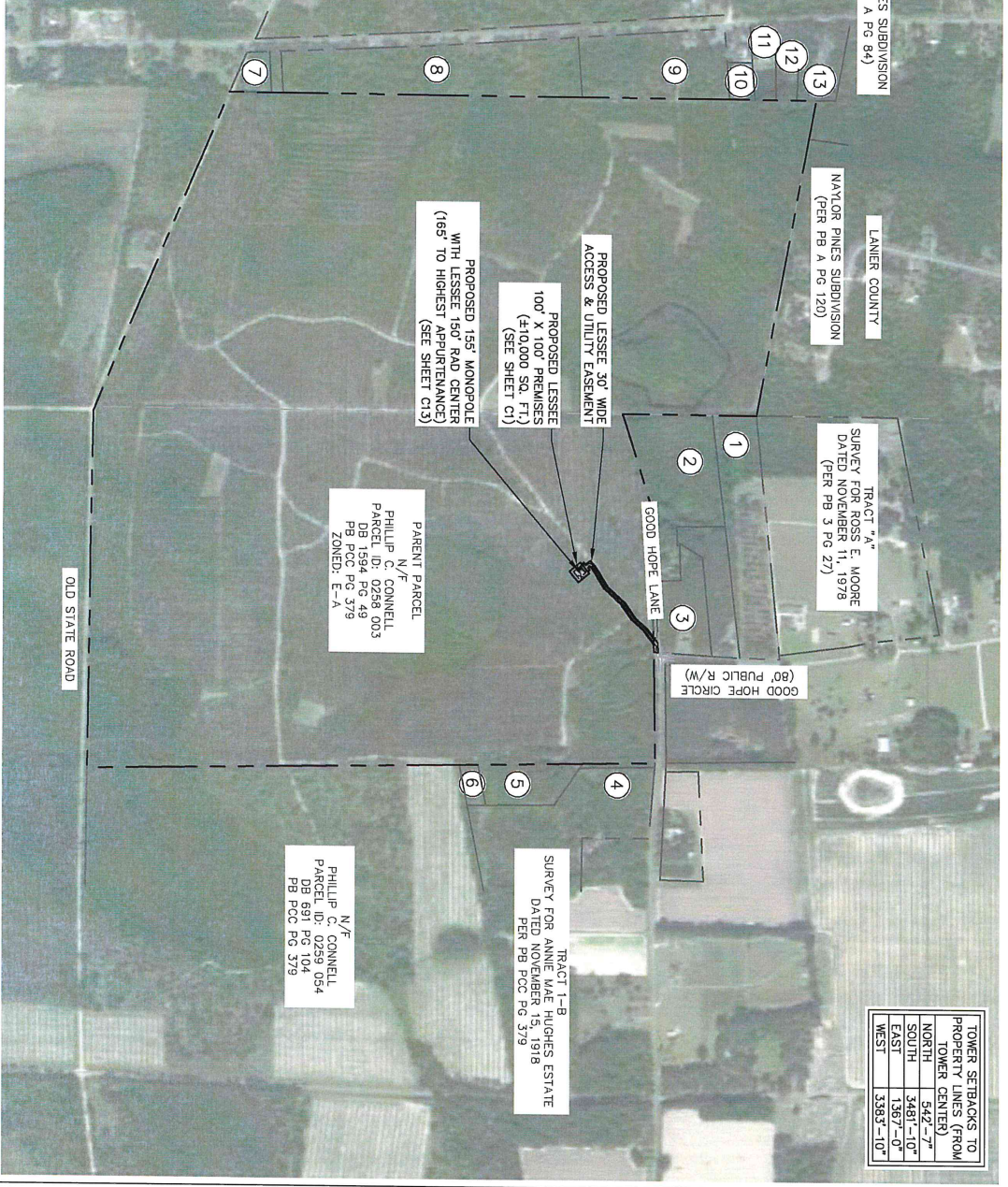
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DRAWN BY: WCE
CHECKED BY: WCE

SHEET TITLE:
 GENERAL NOTES

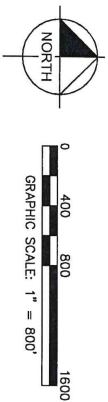
SHEET NUMBER:
 N1

ADJOINERS TABLE	
1	N/F DEBORAH L. HURPHY PARCEL ID: 0258 018 DB 5311 PG 205
2	N/F BUDD RESIDENTIAL REAL ESTATE, LLC PARCEL ID: 0258 001 DB 5381 PG 134
3	N/F LORRI & GREG E. MADDOX PARCEL ID: 0258 001A DB 1456 PG 122
4	N/F ANNIE MAE HUGHES ESTATE PARCEL ID: 0258 019 DB 6558 PG 379 PB PCC PG 379
5	N/F ALEX NESMITH PARCEL ID: 0258 004 DB 289 PG 251 PB PCC PG 379
6	N/F JOSEPH N. RHOLES & CHARLENE KELLEY PARCEL ID: 0258 004A DB 2873 PG 277 & PB PCC PG 379
7	N/F DONALD CARTER, JR. & MABLE CARTER PARCEL ID: 0247 092 DB 1791 PG 231
8	N/F JAMES A. GOLLISBY PARCEL ID: 0247 023 DB 4151 PG 151
9	N/F JAMES A. GOLLISBY PARCEL ID: 0247 018 DB 4151 PG 151
10	N/F ROBERT C. & RHONDA METTS PARCEL ID: 0247 019 DB 6024 PG 2
11	N/F ROBERT C. & RHONDA METTS PARCEL ID: 0247 020 DB 3996 PG 143
12	N/F ROBERT C. & RHONDA METTS PARCEL ID: 0247 021 DB 5689 PG 174
13	N/F JOHN ROBINSON, JR. PARCEL ID: 0247 022 DB 4689 PG 94



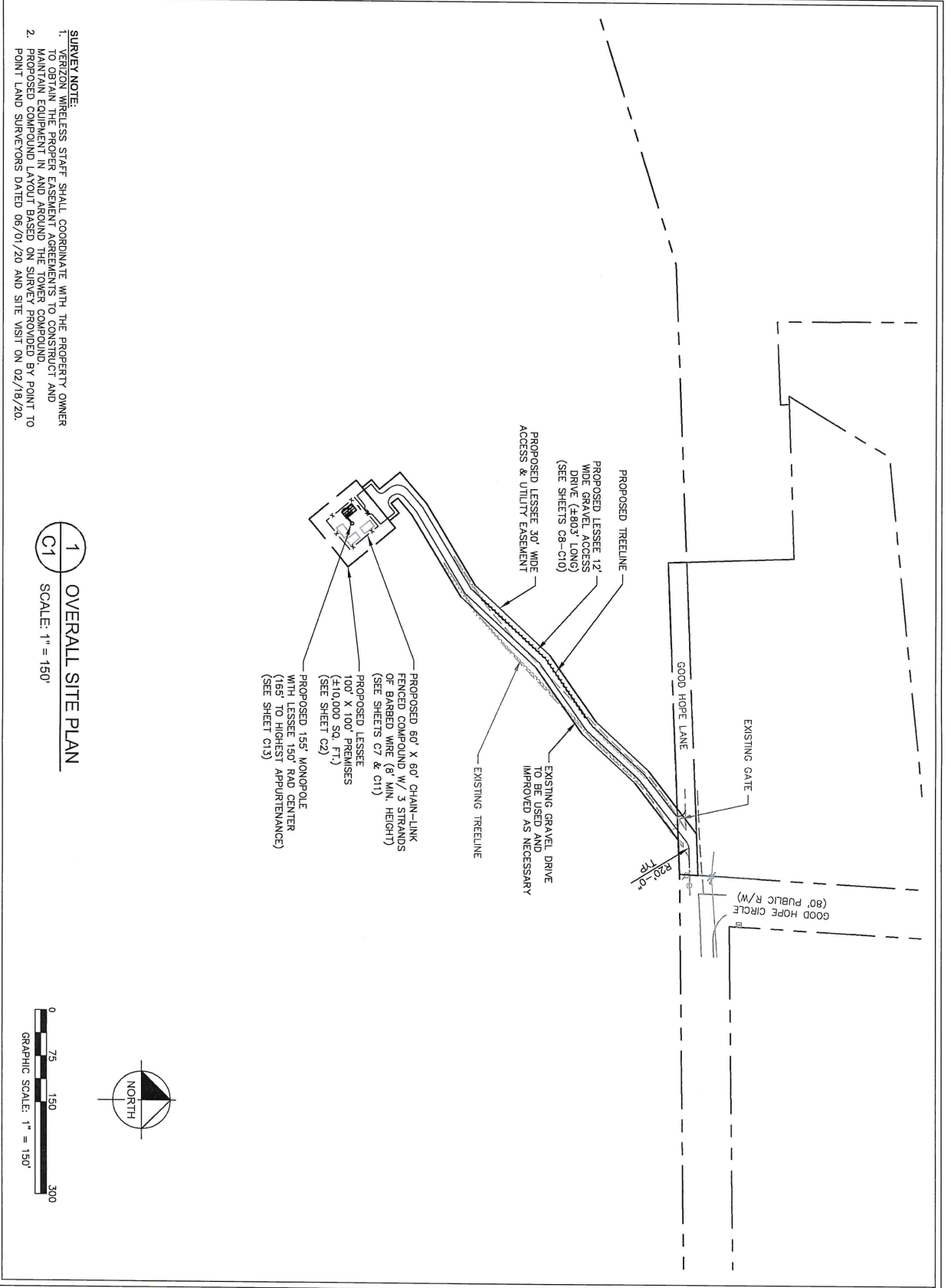
SURVEY NOTE:
 1. VERIZON WIRELESS STAFF SHALL COORDINATE WITH THE PROPERTY OWNER TO OBTAIN NECESSARY PERMITS AND AGREEMENTS TO CONSTRUCT AND MAINTAIN EQUIPMENT IN ACCORDANCE WITH THE REGULATORY FRAMEWORK.
 2. PROPOSED COMPOUND LAYOUT BASED ON SURVEY PROVIDED BY POINT TO POINT LAND SURVEYORS DATED 06/01/20 AND SITE VISIT ON 02/18/20.

1 OVERALL PARCEL PLAN
 SCALE: 1" = 800'



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<p>1000 OLD ALABAMA ROAD ALPHARETTA, GEORGIA 30223</p>	<p>PROJECT INFORMATION:</p> <p>SITE NAME: OLD STATE ROAD SITE NO.: 502991 FUZE PROJECT#: 15525785</p> <p>GOOD HOPE CIRCLE LANIER COUNTY</p> <p>PLANS PREPARED BY:</p>	<p>11720 AMESIA PARK DRIVE, SUITE 600 ALPHARETTA, GEORGIA 30223 WWW.KIMLEY-HORN.COM</p> <p>Kimley-Horn</p>	<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>ISSUED FOR</th> <th>BY</th> </tr> </thead> <tbody> <tr><td>1</td><td>06/15/20</td><td>CONSTRUCTION</td><td>WCE</td></tr> <tr><td>2</td><td>06/15/20</td><td>PRELIMINARY</td><td>WCE</td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td></tr> <tr><td>7</td><td></td><td></td><td></td></tr> </tbody> </table>	NO.	DATE	ISSUED FOR	BY	1	06/15/20	CONSTRUCTION	WCE	2	06/15/20	PRELIMINARY	WCE	3				4				5				6				7				<p>PROJECT NUMBER: 015369094</p> <p>DRAWN BY: _____ CHECKED BY: _____</p> <p>TDM _____ WCE _____</p> <p>SHEET TITLE: OVERALL PARCEL PLAN</p> <p>SHEET NUMBER: C0</p>	<p>WILLIAM C. EDMOND Professional Engineer No. 26591 STATE OF GEORGIA</p>
NO.	DATE	ISSUED FOR	BY																																		
1	06/15/20	CONSTRUCTION	WCE																																		
2	06/15/20	PRELIMINARY	WCE																																		
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SURVEY NOTE:
 1. FIELD SURVEY STAFF SHALL COORDINATE WITH THE PROPERTY OWNER TO OBTAIN NECESSARY PERMISSIONS TO ACCESS THE PROPERTY AND MAINTAIN EQUIPMENT IN AND AROUND THE TOWER COMPOUND.
 2. PROPOSED COMPOUND LAYOUT BASED ON SURVEY PROVIDED BY POINT TO POINT LAND SURVEYORS DATED 06/01/20 AND SITE VISIT ON 02/18/20.

1 OVERALL SITE PLAN
 C1 SCALE: 1" = 150'



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verizon
 1000 OLD ALABAMA ROAD CENTER
 ANDERSON, GEORGIA 30326

PROJECT INFORMATION:
 SITE NAME:
 OLD STATE ROAD
 SITE NO: 15525785
 FUZE PROJECT#: 15525785
 GOOD HOPE CIRCLE
 MARIETTA, GA 31841
 LAMNES COUNTY

PLANS PREPARED BY:
Kimley-Horn
 11729 AMES PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30029
 PHONE: 770-538-4200
 FAX: 770-538-4200
 WWW.KHENGINEERS.COM

REV: _____ DATE: _____ ISSUED FOR: _____ BY: _____

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A	05/12/20 PRELIMINARY WCE

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0	05/16/20 CONSTRUCTION WCE
A	05/12/20 PRELIMINARY WCE

WILLIAM C. EDMUNDSON
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF GEORGIA
 No. PE000011
 PROFESSIONAL

KHA PROJECT NUMBER:
 013509094

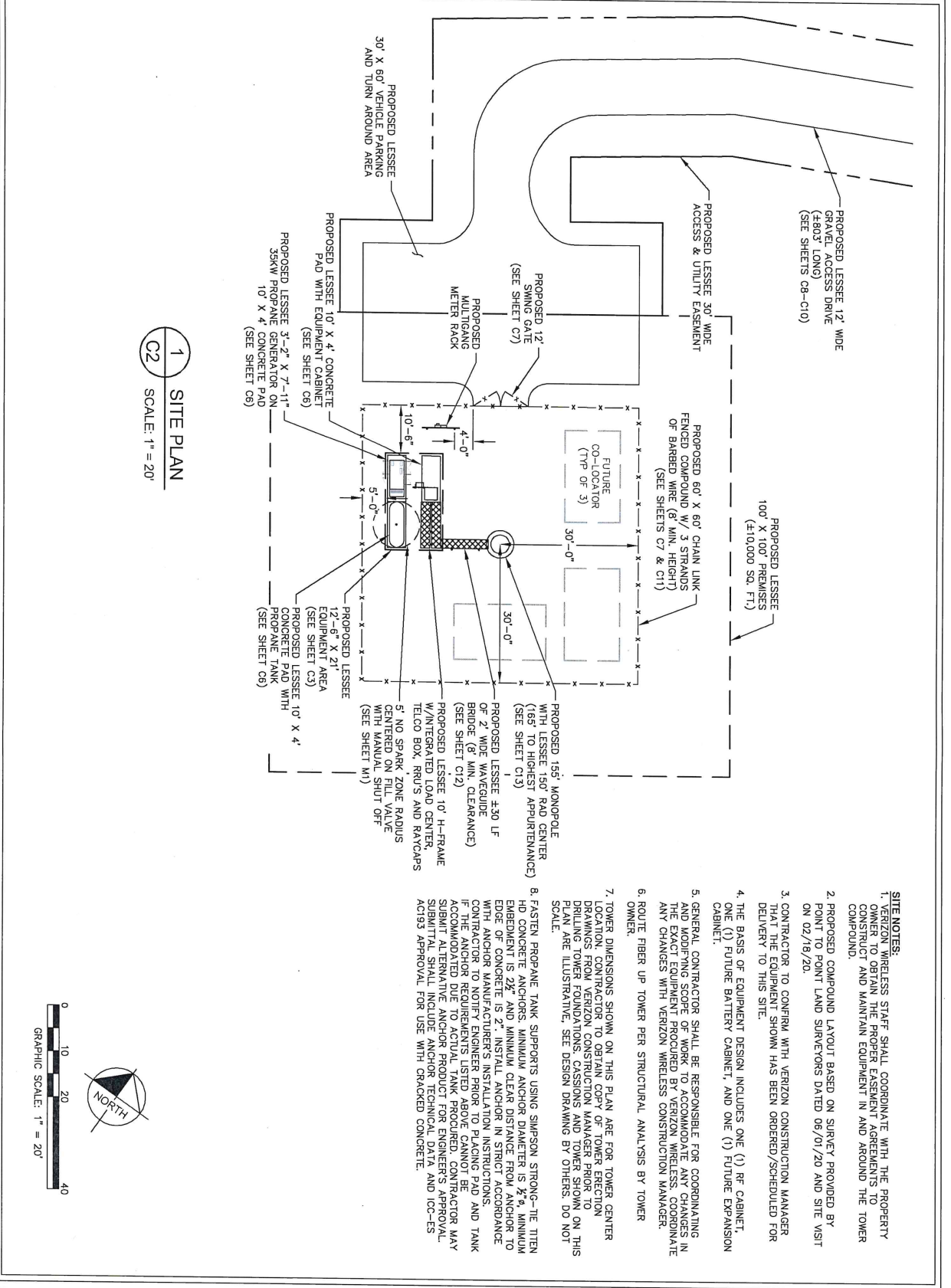
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TDM **WCE**

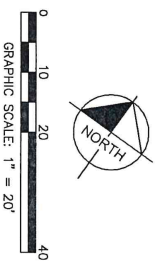
SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
 C1



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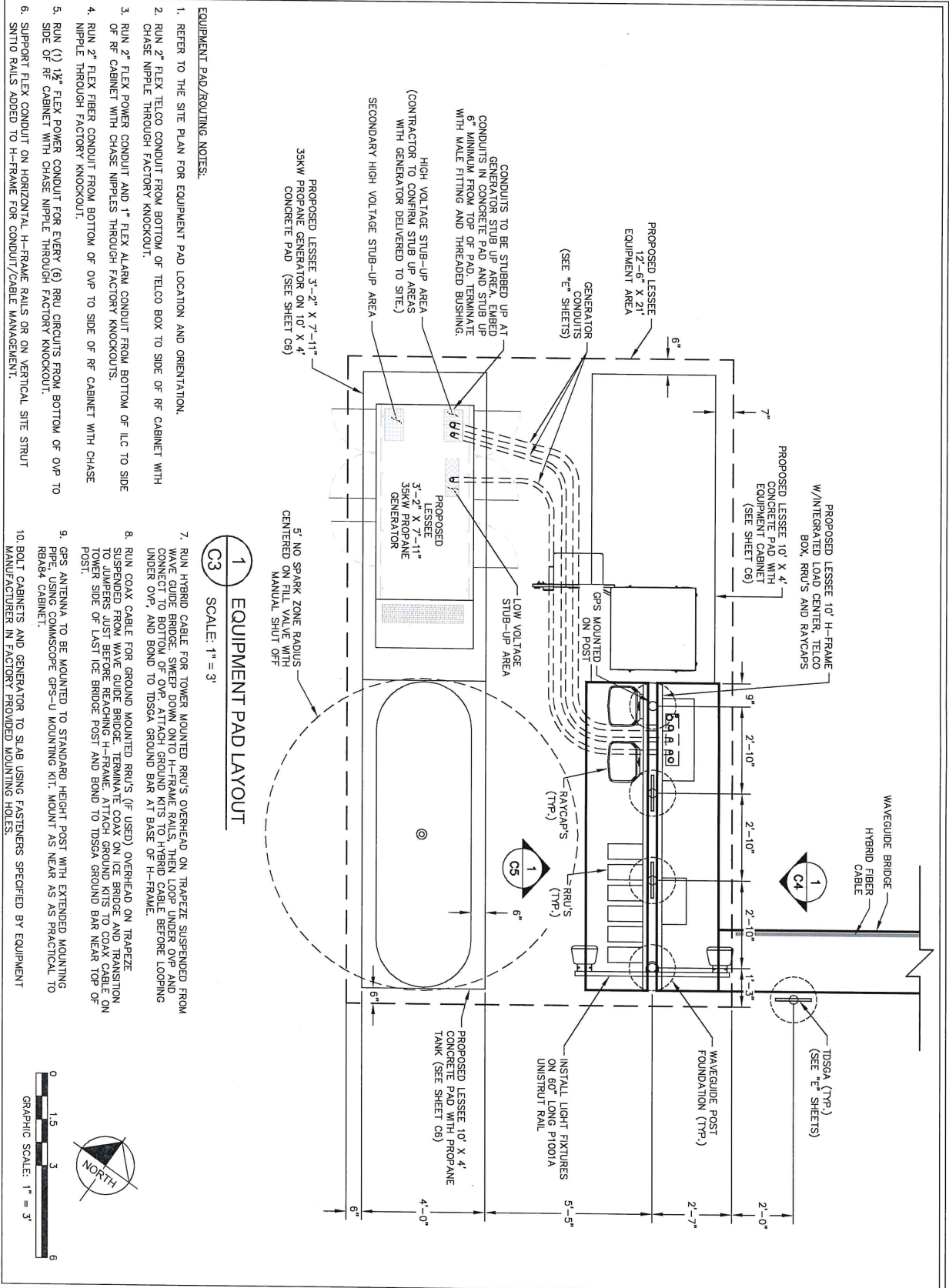


1 SITE PLAN
C2 SCALE: 1" = 20'



- SITE NOTES:**
1. GENERAL PURPOSE STAFF SHALL COORDINATE WITH THE PROPERTY OWNER TO OBTAIN THE PROPER EASEMENT AGREEMENTS TO CONSTRUCT AND MAINTAIN EQUIPMENT IN AND AROUND THE TOWER COMPOUND.
 2. PROPOSED COMPOUND LAYOUT BASED ON SURVEY PROVIDED BY POINT TO POINT LAND SURVEYORS DATED 06/01/20 AND SITE VISIT ON 02/18/20.
 3. CONTRACTOR TO CONFIRM WITH VERIZON CONSTRUCTION MANAGER THAT THE EQUIPMENT SHOWN HAS BEEN ORDERED/SCHEDULED FOR DELIVERY TO THIS SITE.
 4. THE BASIS OF EQUIPMENT DESIGN INCLUDES ONE (1) RF CABINET, ONE (1) FUTURE BATTERY CABINET, AND ONE (1) FUTURE EXPANSION CABINET.
 5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND MODIFYING SCOPE OF WORK TO ACCOMMODATE ANY CHANGES IN THE EXACT EQUIPMENT PROVIDED BY VERIZON WIRELESS. COORDINATE ANY CHANGES WITH VERIZON WIRELESS CONSTRUCTION MANAGER.
 6. ROUTE FIBER UP TOWER PER STRUCTURAL ANALYSIS BY TOWER OWNER.
 7. TOWER DIMENSIONS SHOWN ON THIS PLAN ARE FOR TOWER CENTER LOCATION. CONTRACTOR TO OBTAIN COPY OF TOWER ERECTION DRAWINGS FROM VERIZON CONSTRUCTION MANAGER PRIOR TO DRILLING TOWER FOUNDATIONS, CASSIONS AND TOWER SHOWN ON THIS PLAN. MAKE ILLUSTRATIVE, SEE DESIGN DRAWING BY OTHERS. DO NOT SCALE.
 8. FASTEN PROPAANE TANK SUPPORTS USING SIMPSON STRONG-TIE TITEN HD CONCRETE ANCHORS. MINIMUM ANCHOR DIAMETER IS 3/4", MINIMUM EMBEDMENT IS 2X" AND MINIMUM CLEAR DISTANCE FROM ANCHOR TO EDGE OF CONCRETE IS 2". INSTALL ANCHOR IN STRICT ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS. CONTRACTOR TO NOTIFY ENGINEERS PRIOR TO PLACING PAD AND TANK IF THE ANCHOR REQUIREMENTS LISTED ABOVE CANNOT BE ACCOMMODATED DUE TO ACTUAL TANK PROVIDED. CONTRACTOR MAY SUBMIT ALTERNATIVE ANCHOR PRODUCT FOR ENGINEER'S APPROVAL. SMALL TANKS SHALL BE INSTALLED WITH CONCRETE PAD AND ICC-ES AC1093 APPROVAL FOR USE WITH CRACKED CONCRETE.

 <p>1000 G.D. ALUMINUM ROAD, SUITE 2002 ANNAPOLIS, MARYLAND 20702</p>																						
<p>PROJECT INFORMATION:</p> <p>SITE NAME: OLD STATE ROAD SITE NO.: 1020901 FLUZE PROJ. NO.: 05525795 800 Upper Carrol NATLON, GA 31841 LOWMEYER COUNTY</p> <p>PLANS PREPARED BY:  <p>11720 AMES PARK DRIVE, SUITE 600 APPROPRIATE, GA 30609 PHONE: 770-538-4200 FAX: 770-538-4200 WWW.KHINC.COM</p> </p>																						
<p>REV. DATE: ISSUED FOR: BY:</p> <table border="1"> <tr><td>6</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>1</td><td>05/16/20</td><td>CONSTRUCTION WCE</td></tr> <tr><td>A</td><td>06/12/20</td><td>PRELIMINARY WCE</td></tr> </table> <p>LICENSER:</p>	6			5			4			3			2			1	05/16/20	CONSTRUCTION WCE	A	06/12/20	PRELIMINARY WCE	<p>KHA PROJECT NUMBER: 013509094</p> <p>DRAWN BY: WCE CHECKED BY: WCE TDM</p> <p>SHEET TITLE: SITE PLAN</p> <p>SHEET NUMBER: C2</p>
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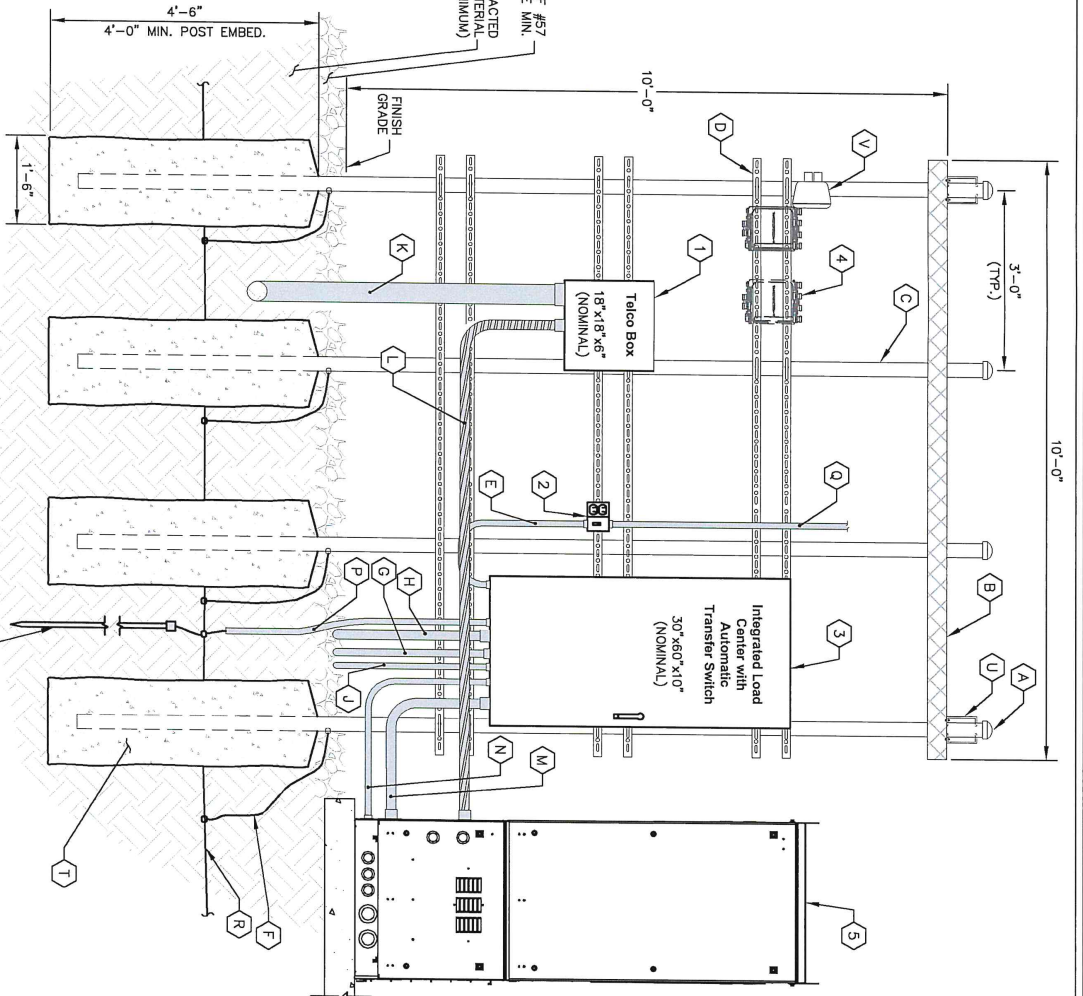
<p>1000 OLD ALABAMA ROAD CONNECTOR ADAPTION, CORONA, NC 27025</p>																																					
<p>PROJECT INFORMATION:</p> <p>SITE NAME: OLD STATE ROAD SITE # 1502901 FLUZE PROJECT#: 15525785 6000 JONES CIRCLE NATLON, GA 31841 LOWMEYER COUNTY</p> <p>PLANS PREPARED BY: WCE</p>																																					
<p>Kimley-Horn</p> <p>11720 ABERN PARK DRIVE SUITE 600 ALPHARETTA, GA 30029 PHONE: 770-538-4200 FAX: 770-538-4200 WWW.KHINC.COM</p>																																					
<p>REV: DATE: ISSUED FOR: BY:</p> <table border="1"> <tr><td>7</td><td></td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td><td></td></tr> <tr><td>0</td><td>05/16/20</td><td>CONSTRUCTION</td><td>WCE</td></tr> <tr><td>A</td><td>05/12/20</td><td>PRELIMINARY</td><td>WCE</td></tr> </table> <p>LICENSER:</p>	7				6				5				4				3				2				1				0	05/16/20	CONSTRUCTION	WCE	A	05/12/20	PRELIMINARY	WCE	<p>WILLIAM C. EDMONDSON PROFESSIONAL ENGINEER No. 15006 STATE OF GEORGIA</p>
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<p>KHA PROJECT NUMBER: 01509094</p> <p>DRAWN BY: CHECKED BY: TDM WCE</p> <p>SHEET TITLE: EQUIPMENT PAD LAYOUT</p> <p>SHEET NUMBER: C3</p>																																					

KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A GALVANIZED RIGID STEEL CAP, TYPICAL.
- B ICE BRIDGE, SEE CIVIL SHEETS FOR ADDITIONAL DETAILS.
- C 3" GALVANIZED RIGID STEEL PIPE, TYPICAL.
- D 1 1/2" X 1 1/2" GALVANIZED STEEL CHANNEL (UNISTRUT #P1000) WITH PLASTIC END CAP (UNISTRUT #P2860), TYPICAL.
- E 1" PVC CONDUIT FOR ROUTING POWER CONDUCTORS TO LIGHTS/DUPLEX OUTLET.
- F ONE (1) #2 AWG BARE SOLID TINNED COPPER BONDING CONDUCTOR (BC) FROM H-FRAME VERTICAL PIPE TO GROUND RING, EXOTHERMIC WELD BOTH ENDS.
- G 1" PVC CONDUIT FOR ROUTING GENERATOR CONTROL AND ALARM SIGNAL CABLES TO THE GENERATOR.
- H 2" PVC CONDUIT FOR ROUTING POWER CONDUCTORS TO THE GENERATOR.
- I 1" PVC CONDUIT FOR ROUTING POWER CONDUCTORS TO THE GENERATOR BATTERY CHARGER AND THE GENERATOR BLOCK HEATER.
- J 4" PVC TELCO CONDUIT, WITH TWO (2) PULL ROPES.
- K 2" FLEX CONDUIT FOR ROUTING TELCO CABLES TO RF CABINET. REFER TO ROUTING NOTES ON EQUIPMENT PAD LAYOUT.
- L 2" PVC CONDUIT FOR ROUTING POWER CONDUCTORS TO RF CABINET. REFER TO ROUTING NOTES ON EQUIPMENT PAD LAYOUT.
- M 1" PVC CONDUIT FROM INTEGRATED LOAD CENTER (ILC) TO RF CABINET FOR ALARM SIGNAL CABLE. REFER TO ROUTING NOTES ON EQUIPMENT PAD LAYOUT.
- N 3/4" PVC CONDUIT WITH ONE (1) - #2 AWG BARE TINNED COPPER GROUND LEAD FROM GROUNDING LUG IN ILC TO GROUND ROD, EXOTHERMIC WELD SEC TO GROUND ROD.
- O 1" PVC CONDUIT FOR ROUTING POWER CONDUCTORS TO AREA LIGHTS.
- P GROUND RING (SEE "E" SHEETS).
- Q GROUND ROD, EXOTHERMIC WELD TO GROUND RING (SEE "E" SHEETS).
- R CONCRETE FOUNDATION FOR H-FRAME VERTICAL PIPE. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI. AND INCLUDE FIBERMESH 650.
- S WB-K210-B15 HORSEHEAD SUPPORT BRACKET (SEE "WAVEGUIDE BRIDGE DETAILS" SHEET). THRU BOLTS REQUIRED FOR ATTACHMENT IN LIEU OF FACTORY PROVIDED U-BOLTS.
- T INSTALL LIGHT FIXTURES ON 60" LONG P1000A UNISTRUT RAIL (SEE "EQUIPMENT PAD LAYOUT" SHEET). ATTACH P1000A TO H-FRAME POST USING TWO (2) UB3 UNISTRUT CLAMPS. LIGHTS TO BE INSTALLED 7'-6" ABOVE GRADE.

KEY NOTES - ELECTRICAL EQUIPMENT

- 1 NEMA 3R ENCLOSURE TELCO BOX WITH REMOVABLE FRONT PANEL, PVC, (18" X 18" X 6" NOMINAL).
- 2 20 AMP GF-CI DUPLEX RECEPTACLE AND TIMER SWITCH, ENERLITES HET06 SERIES (OR APPROVED EQUIVALENT) IN LOCKABLE NEMA 3R ENCLOSURE, 2 GANG BOX WITH RED DOT ZOKPM-W COVER.
- 3 200 AMP, 120/240 VOLT, INTEGRATED LOAD CENTER WITH #2 SPACE PANEL AND AUTOMATIC TRANSFER SWITCH (30" X 60" X 10" NOMINAL).
- 4 DIPLEXERS *AS NEEDED*.
- 5 VERIZON RF CABINET-REAR VIEW.



NOTE: FOR CLARITY PURPOSES, THE FRONT ELEVATION OF THE "H" FRAME ONLY SHOWS EQUIPMENT AND CONDUIT ASSOCIATED WITH THE FRONT SIDE. SEE REAR SHEET FOR DETAILS ASSOCIATED WITH EQUIPMENT AND CONDUIT MOUNTED ON THE REAR SIDE OF THE "H" FRAME.

1 EQUIPMENT RACK DETAILS - FRONT
C4 NOT TO SCALE

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verizon
1000 OLD ALBANY ROAD
ALBANY, GA 31706

PROJECT INFORMATION:
SITE NAME: OLD STATE ROAD
SITE NO.: 502591
FUZE PROJECT#: 15525785
6000 HOPE CIRCLE
NAYLOR, GA 31661
LUMBLE COUNTY
PLANS PREPARED BY:

Kimley-Horn
11720 AMERS PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
WWW.KH.COM

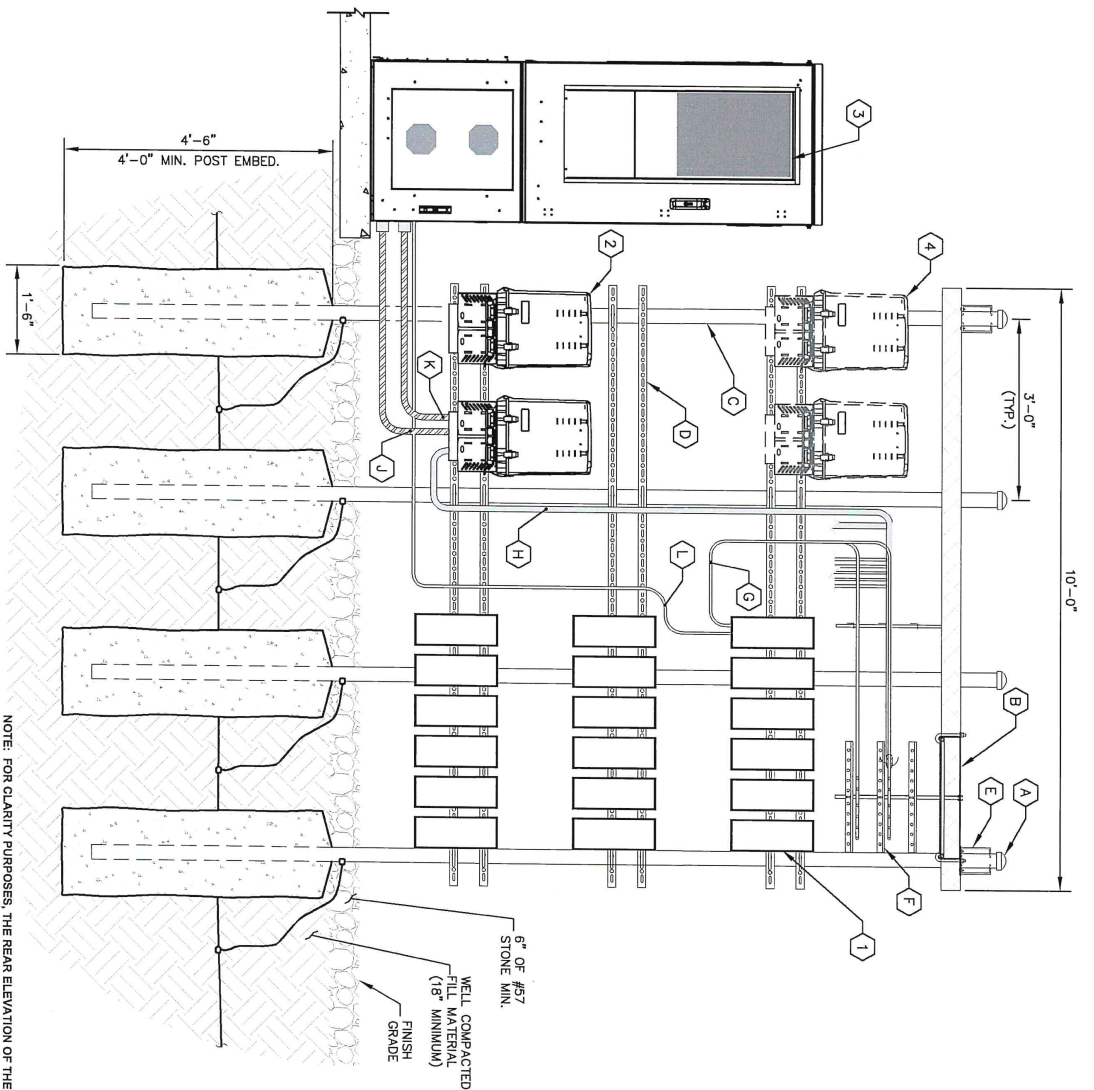
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0	05/12/20	PRELIMINARY	WCE

GEORGIA REGISTERED PROFESSIONAL ENGINEER
WILLIAM C EDMONDSON
11720 AMERS PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
WWW.KH.COM

GHA PROJECT NUMBER: 01569094
DRAWN BY: CHECKED BY:
TDM WCE
SHEET TITLE: EQUIPMENT RACK DETAIL - FRONT
SHEET NUMBER: C4

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1
EQUIPMENT RACK DETAILS - REAR
C5
NOT TO SCALE

NOTE: FOR CLARITY PURPOSES, THE REAR ELEVATION OF THE "H" FRAME ONLY SHOWS EQUIPMENT AND CONDUIT ASSOCIATED WITH THE REAR SIDE. SEE FRONT SHEET FOR DETAILS ASSOCIATED WITH EQUIPMENT AND CONDUIT MOUNTED ON THE FRONT SIDE OF THE "H" FRAME.

- KEY NOTES - CONDUIT, CONDUCTORS, & MISC**
- A GALVANIZED RIGID STEEL CAP, TYPICAL.
 - B ICE BRIDGE, SEE CIVIL SHEETS FOR ADDITIONAL DETAILS.
 - C 3" GALVANIZED RIGID STEEL PIPE, TYPICAL.
 - D 1 1/2" X 1 1/2" GALVANIZED STEEL CHANNEL (UNISTRUT #P1000) WITH PLASTIC END CAP (UNISTRUT #P2860), TYPICAL.
 - E WB-K210-B15 HORSEHEAD SUPPORT BRACKET (SEE "WAVEGUIDE BRIDGE DETAILS" SHEET), THRU BOLTS REQUIRED FOR ATTACHMENT IN LEU OF FACTORY PROVIDED U-BOLTS.
 - F ICE BRIDGE RUNNING TOWARDS TOWER (SEE "EQUIPMENT PAD LAYOUT" SHEET).
 - G COAX JUMPER CABLES INTO BOTTOM OF RRU'S, TYPICAL.
 - H HYBRID CABLES RUNNING INTO BOTTOM OF RAYCAPS, TYPICAL (SEE NOTE 7 ON "EQUIPMENT PAD LAYOUT" SHEET).
 - I 1 1/2" POWER FLEX CONDUIT RUNNING FROM BOTTOM OF RAYCAPS TO CABINET, TYPICAL (SEE "EQUIPMENT PAD LAYOUT" SHEET).
 - J 2" FIBER FLEX CONDUIT RUNNING FROM BOTTOM OF RAYCAPS TO CABINET, TYPICAL (SEE "EQUIPMENT PAD LAYOUT" SHEET).
 - K FIBER/POWER JUMPER TO RRU (TYP. FOR EACH RRU).
 - L FIBER/POWER JUMPER TO RRU (TYP. FOR EACH RRU).
- KEY NOTES - ELECTRICAL EQUIPMENT**
- 1 VERIZON RF RRU'S (MODEL, QUANTITY OF, AND CONFIGURATION DETERMINED BY RF DESIGN).
 - 2 VERIZON RAYCAPS (MODEL, QUANTITY OF, AND CONFIGURATION DETERMINED BY RF DESIGN).
 - 3 VERIZON RF CABINET-FRONT VIEW.
 - 4 FUTURE VERIZON RAYCAPS.



PROJECT INFORMATION:
 10300 OLD ALABAMA ROAD CONNECTOR
 ALBUQUERQUE, NEWMEXICO 80022
 SITE NAME:
 OLD STATE ROAD
 SITE NO.: 102901
 FLUZE PROJ. NO.: 65252785
 NAVARRO, CA 3164
 LAMAR COUNTY
 PLANS PREPARED BY:

Kimley-Horn
 11720 AMES PARK DRIVE, SUITE 600
 ALBUQUERQUE, NM 80029
 PHONE: 770-538-4200
 FAX: 770-538-4200
 WWW.KIMLEY-HORN.COM

REV. DATE: ISSUED FOR: BY:

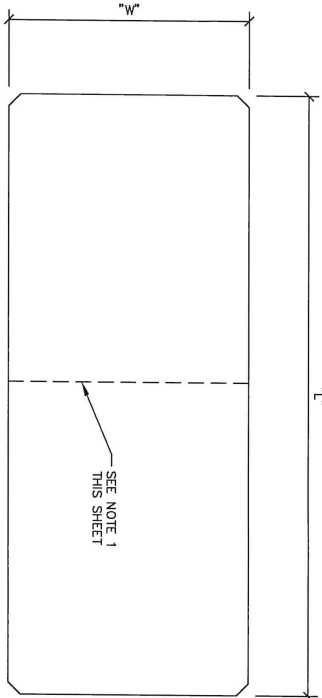
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A	05/12/20	PRELIMINARY WCE

LICENSE:
 REGISTERED PROFESSIONAL ENGINEER
 WILLIAM C. ENDRISON
 No. P60888T
 06/22/20

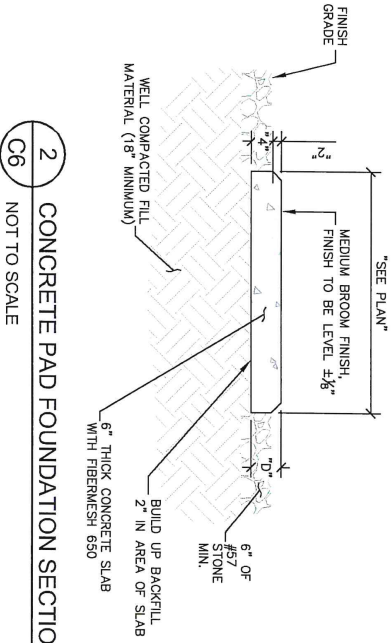
KHA PROJECT NUMBER:
 013509094
 DRAWN BY: WCE
 CHECKED BY: WCE
 SHEET TITLE:
 EQUIPMENT RACK
 DETAIL - REAR
 SHEET NUMBER:
 C5

NOTE 1: CONTRACTOR MAY ELECT TO PLACE GENERATOR AND PROPANE TANK SLAB AS 2 SEPARATE SLABS WITH $\frac{1}{2}$ " JOINT FILLER BETWEEN THEM OR PLACE A SINGLE 4'-0" x 20'-0" SLAB WITH A CONTROL JOINT PER 3'/06 AT THE MID-POINT.

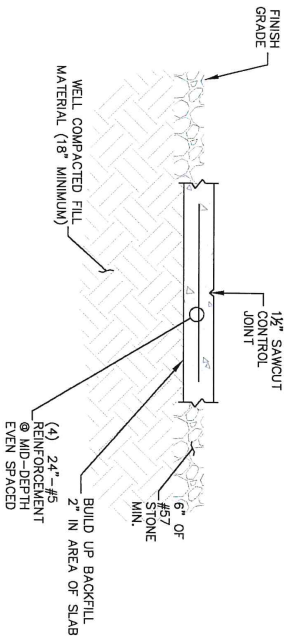
CONCRETE PAD SCHEDULE				
PAD TYPE	"L"	"W"	"D"	REINFORCEMENT
EQUIPMENT PAD	10'-0"	4'-0"	6"	SEE DETAIL 2/C6
GENERATOR PAD	10'-0"	4'-0"	6"	SEE DETAIL 2/C6 AND NOTE 1 THIS SHEET
PROPANE TANK PAD	10'-0"	4'-0"	6"	SEE DETAIL 2/C6 AND NOTE 1 THIS SHEET



1 CONCRETE PAD PLAN
C6 NOT TO SCALE



2 CONCRETE PAD FOUNDATION SECTION
C6 NOT TO SCALE



3 CONTROL JOINT
C6 NOT TO SCALE



1000 OLD ALBANY ROAD
ALBANY, GA 31706

PROJECT INFORMATION:

SITE NAME:
OLD STATE ROAD
SITE NO.: 502591
FUZE PROJECT#: 15525785
GOOD HOPE CIRCLE
NAYLOR, GA 31641
LUMBER COUNTY

PLANS PREPARED BY:

Kimley-Horn

11720 AMES PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
WWW.KHOLECZKI-HORN.COM

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LICENSER:



KHA PROJECT NUMBER:

DRAWN BY: CHECKED BY:

DATE: WCE

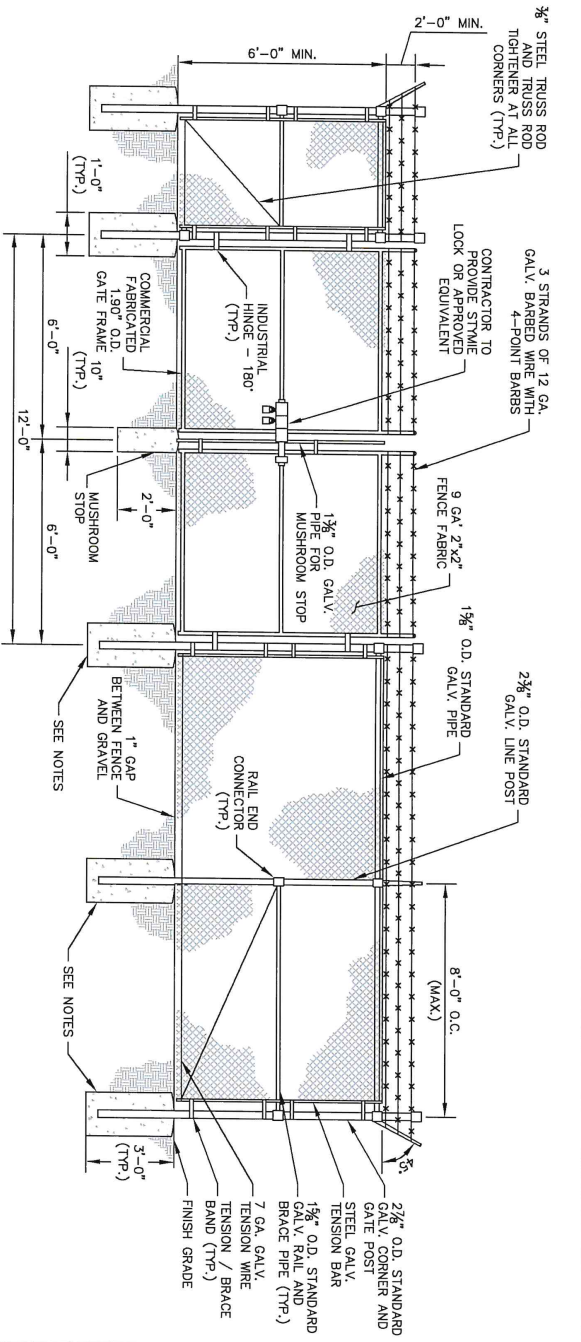
SHEET TITLE:

CONCRETE PAD
FOUNDATION
DETAILS

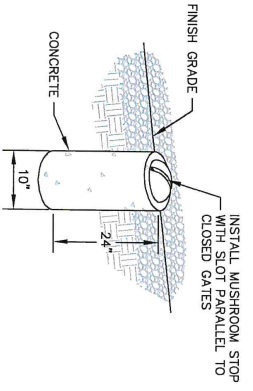
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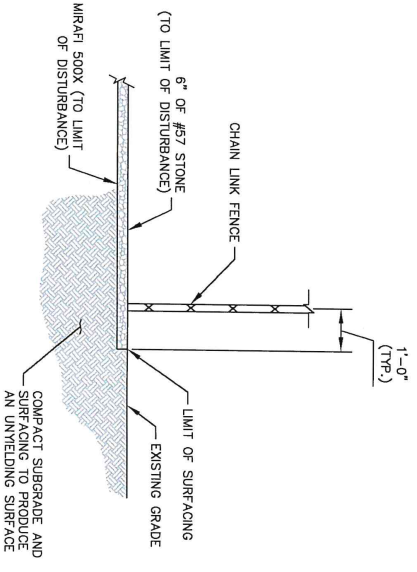
- FENCE NOTES:**
- USE 3,000-PSI CONCRETE FULLY CONSOLIDATED AROUND THE POST.
 - WHERE THE POST IS SET IN ROCK OR CONCRETE, CORE A HOLE 12" DEEP AND SET THE POST AND GROUT IN PLACE USING NON-SHRINK GROUT.
 - ALL POSTS MUST BE PLUMB AND ALIGNED WITH ONE ANOTHER IN BOTH HORIZONTAL AND VERTICAL PLANES.
 - CORNERS AND GATEPOSTS FOR CHAIN LINK FENCES SHALL EXTEND ABOVE THE TOP STRAND OF BARBED WIRE TO PROVIDE TENSIONING FOR THE BARBED WIRE.
 - PROVIDE MIRRASIS AND BRACING AT ALL CHANGES DIRECTION WHERE THE FENCE CHANGES DIRECTION BY MORE THAN 30 DEGREES.
 - THE GRADE OF THE SITE AND INSTALLATION OF THE FENCE SHALL PROVIDE FOR NO MORE THAN A 1" GAP BETWEEN THE BOTTOM OF THE FENCE MATERIAL AND FINISH GRADE.
 - CONTRACTOR SHALL PROVIDE HOLD OPEN DEVICES FOR ALL GATES AT THE SPECIFIED OPEN POSITIONS. DRIVEN PIPE TYPE RECEIVERS ARE NOT AUTHORIZED.
 - CONTRACTOR SHALL ALSO PROVIDE A MUSHROOM TYPE RECEIVER AT THE CLOSE POSITION.



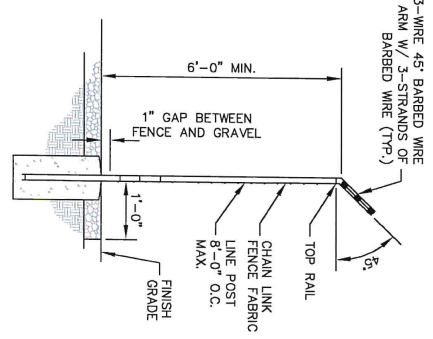
1 CHAIN LINK FENCE AND GATE ELEVATION
NOT TO SCALE



2 MUSHROOM STOP
NOT TO SCALE



3 SITE COMPOUND SURFACE DETAIL
NOT TO SCALE



4 SECTION AT FENCE
NOT TO SCALE

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1050 OLD ALABAMA ROAD SUITE 200
ALABAMA, GEORGIA 30022

PROJECT INFORMATION:
SITE NAME: OLD STATE ROAD
SITE NO.: 802891
FLUZE PROJECT #: 15528785
MAYNARD @ 31541
LONDRE COUNTY

PLANS PREPARED BY:
Kimley-Horn
11720 AMESBURY AVE SUITE 800
PHOENIX, AZ 85028
PHONE: 770-588-4250
WWW.KIMLEY-HORN.COM

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1	06/16/20	CONSTRUCTION	WCE
0	05/12/20	PRELIMINARY	WCE

REGISTERED PROFESSIONAL ENGINEER
WILLIAM C EDWARDS
No. 06097
Professional Seal
11-12-11-12

SHA PROJECT NUMBER: 015350904
DRAWN BY: CHECKED BY: TDM WCE
SHEET TITLE: FENCE, GATE AND COMPOUND DETAILS
SHEET NUMBER: C7

NOTE:
 CURRENT DESIGN ANTICIPATES APPROXIMATELY 22,509± SQ. FT. (0.52 ACRES) OF CLEARING AND GRADING FOR THE PROPOSED PROJECT. IF ADDITIONAL CLEARING IS REQUIRED BEYOND WHAT IS SHOWN IN THE PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR PROJECT MANAGER.

- GRADING NOTES:**
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEERS SPECIFICATIONS. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
 2. ELEVATIONS REFLECT FINISHED GRADES. CONTRACTOR SHALL BLEND EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
 3. PORTIONS OF THE SITE NOT SPECIFICALLY MENTIONED WITHIN THE GEOTECHNICAL REPORT SHALL BE COMPACTED TO 95 PERCENT OF THE MATERIALS MAXIMUM DRY DENSITY WITHIN 5 PERCENT OF OPTIMUM MOISTURE CONTENT.
 4. FILL SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS.
 5. UNDISTURBED AREAS WITHIN 30' INGRESS/EGRESS EASEMENT NOT NEEDED FOR UTILITY ROUTING TO BE LEFT UNDISTURBED.
 6. GROUND WATER DEPTH SHALL BE RESPONSIBLY MOISTURE CONDITIONING THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE INCLUDED IN THE CONTRACT PRICE.
 7. SEED ALL DISTURBED AREAS NOT TOPPED WITH GRAVEL PER SEEDING SCHEDULE ON DETAIL ON SHEET C9.
 8. OTHERWISSE NOTED.
 9. MAXIMUM FILL SLOPE = 3H:1V UNLESS OTHERWISE NOTED.
 10. MAXIMUM FILL SLOPE = 3H:1V UNLESS OTHERWISE NOTED.

LEGEND

EXISTING CONTOURS _____

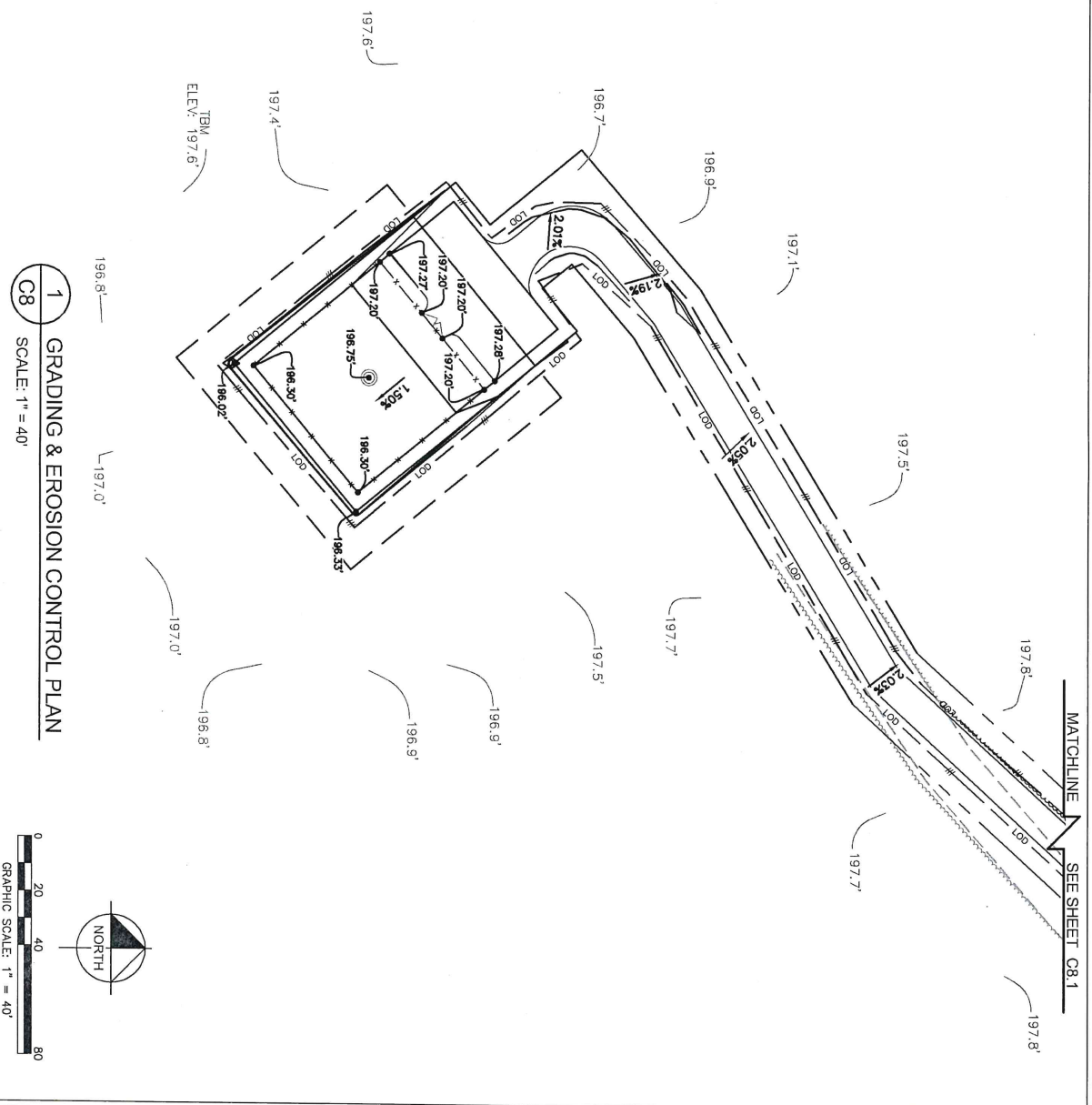
PROPOSED CONTOURS _____

LOD/SILT FENCE _____ LOD _____

TPF _____ TPF _____

EXISTING SPOT ELEVATION x XXX

PROPOSED SPOT ELEVATION • XXX



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verizon
 10000 OLD ALABAMA ROAD CENTER
 ALABAMA, 36826

PROJECT INFORMATION:
 SITE NAME: OLD STATE ROAD
 SITE NO.: 8022991
 FLZE PROJECT #: 052525785
 PROJECT ENGINEER: TIM MERCHANT
 NATIONAL: SA 31841
 LOMDES COUNTY

Kimley-Horn
 11720 ALBERT PARK DRIVE, SUITE 800
 ALPHARETTA, GA 30009
 PHONE: 770-898-4200
 WWW.KIMLEY-HORN.COM

PLANS PREPARED BY:

REV.	DATE	ISSUED FOR	BY
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1	05/16/20	CONSTRUCTION	WCE
0	05/12/20	PRELIMINARY	WCE

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. PE008811
 WILLIAM C. ENDRISON
 2016-2020

KHA PROJECT NUMBER: 013590994
DRAWN BY: WCE
CHECKED BY: WCE
TDM
SHEET TITLE: GRADING AND EROSION CONTROL PLAN
SHEET NUMBER: C8

GRAVING AND EROSION CONTROL PLAN
 C8

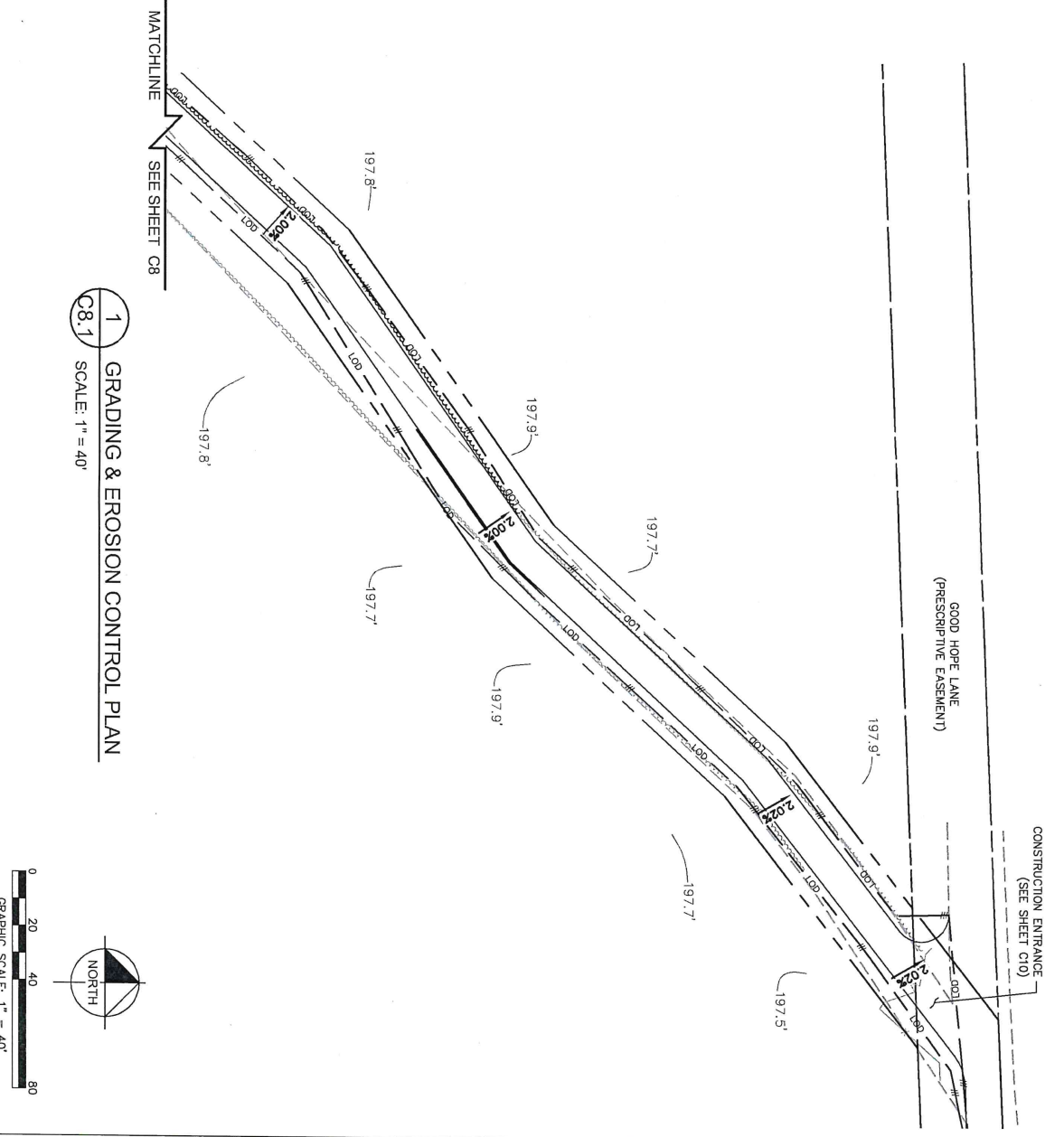
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NOTE:
 CURRENT DESIGN ANTICIPATES APPROXIMATELY 22,509± SQ. FT. (0.52 ACRES) OF CLEARING AND GRADING FOR THE PROPOSED PROJECT. IF ADDITIONAL CLEARING IS REQUIRED BEYOND WHAT IS SHOWN IN THE PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR PROJECT MANAGER.

- GRADING NOTES:**
1. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND MOISTURE CONDITION ALL FILL PER THE PROJECT GEOTECHNICAL ENGINEERS SPECIFICATIONS. FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
 2. PROPOSED SPOT ELEVATIONS, SPOT ELEVATIONS REFLECT FINISHED GRADES. CONTRACTOR SHALL BLEND EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.
 3. PORTIONS OF THE SITE NOT SPECIFICALLY MENTIONED WITHIN THE GEOTECHNICAL REPORT SHALL BE COMPACTED TO THE PERCENT OF FINISHED GRADES DRY DENSITY WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT.
 4. FILL SHALL BE PLACED IN MAXIMUM 8 INCH LOOSE LIFTS.
 5. UNDISTURBED AREAS WITHIN 30' INGRESS/EGRESS EASEMENT NOT NEEDED FOR UTILITY ROUTING TO BE LEFT UNDISTURBED.
 6. GROUND WATER SHOULD BE REASONABLY PROTECTED FROM DRAINING OR MOISTURE CONDITIONING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHOULD BE INCLUDED IN THE CONTRACT PRICE.
 7. SEED ALL DISTURBED AREAS NOT TOPPED WITH GRAVEL PER SEEDING SCHEDULE ON METAL ON SHEET C9.
 8. MAXIMUM SLOPE = 2H:1V UNLESS OTHERWISE NOTED.
 9. MAXIMUM FILL SLOPE = 3H:1V UNLESS OTHERWISE NOTED.

LEGEND

EXISTING CONTOURS	---
PROPOSED CONTOURS	---
LOD/SILT FENCE	---
TPF	---
EXISTING SPOT ELEVATION	x
PROPOSED SPOT ELEVATION	•



1 GRADING & EROSION CONTROL PLAN
 C8.1 SCALE: 1" = 40'



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 1000 OLD STATE ROAD CENTER
 ALPHARETTA, GEORGIA 30201

PROJECT INFORMATION:

SITE NAME: OLD STATE ROAD
 SITE NO.: 502591
 FLUZE PROJECT#: 15525785
 GOOD HOPE CORSE
 NATION, CA 31641
 LINDSEY COUNTY

PLANS PREPARED BY:

Kimley-Horn
 11720 AMES PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30209
 PHONE: 404-479-0900
 WWW.KH.COM

REV: DATE: ISSUED FOR: BY:

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0	06/16/20	CONSTRUCTION	WCE
A	06/12/20	PRELIMINARY	WCE

LICENSER:

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. PEG00811
WILLIAM C EDMONSON
 ENGINEER

KHA PROJECT NUMBER:
 013509094

DRAWN BY: WCE
 CHECKED BY: WCE

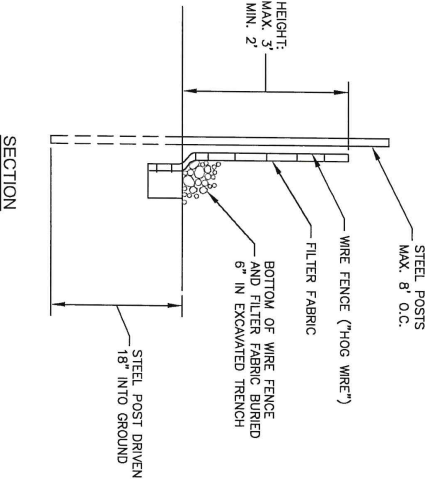
SHEET TITLE:
 GRADING AND EROSION CONTROL PLAN

SHEET NUMBER:
 C8.1

This document, together with the concepts and designs presented herein, is intended only for the specific project and shall be void without the signature and seal of the engineer of record. It is not to be used for any other project or purpose without the written authorization and approval of the engineer of record. It is not to be used for any other project or purpose without the written authorization and approval of the engineer of record.

EROSION CONTROL NOTES:

1. EROSION CONTROLS SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN SEDIMENT ON SITE.
2. ALL EXCAVATED SOILS NOT NEEDED ON SITE FOR BACKFILL OPERATIONS SHALL BE PROPERLY STOCKPILED AND STORED. EXCESS SOILS SHALL BE TAKEN OFF SITE AND LEGALLY DISPOSED OF.
3. SOIL REMAINING ON SITE SHALL HAVE SILT FENCE TIGHTLY PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PILE.
4. PROVIDE EROSION CONTROLS AS NECESSARY TO PREVENT EXISTING SOILS FROM DRAINING OFF SITE OR INTO EXISTING DRAINAGE STRUCTURES.
5. ERECTION OF EROSION CONTROLS SHALL BE IN ACCORDANCE WITH STATE AND LOCAL EROSION CONTROL REGULATIONS.



1 SEDIMENT FENCE (SILT FENCE)
C9 NOT TO SCALE

SEEDING SCHEDULE FOR WINTER / SPRING CONSTRUCTION ACTIVITIES

SEEDING MIXTURE	Rate (lb/acre)
Species Rye (Grain) Annual lespedeza (Koba in Piedmont and Coastal Plain, Kora in Mountains)	120
Onit annual lespedeza when duration of temporary cover is not to extend beyond June.	50

SEEDING DATES

Mountains— Feb 15 - May 15
 Piedmont— Jan. 1 - May 1
 Coastal Plain— Dec. 1 - Apr. 15

SOIL AMENDMENTS

Apply 4,000 lb/acre straw, Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

MULCH

Apply 4,000 lb/acre straw, Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

MAINTENANCE

Reestablish if growth is not fully adequate. Re-seed, re-fertilize and mulch immediately following erosion or other damage.

SEEDING SCHEDULE FOR SUMMER CONSTRUCTION ACTIVITIES

SEEDING MIXTURE	Rate (lb/acre)
Species Common Bermudagrass	40-80 (1-2 lb/1,000 sq. ft.)
SEEDING DATES Coastal Plain—Apr. 15 - July 30 Piedmont—Apr. 15 - June 30	

SOIL AMENDMENTS

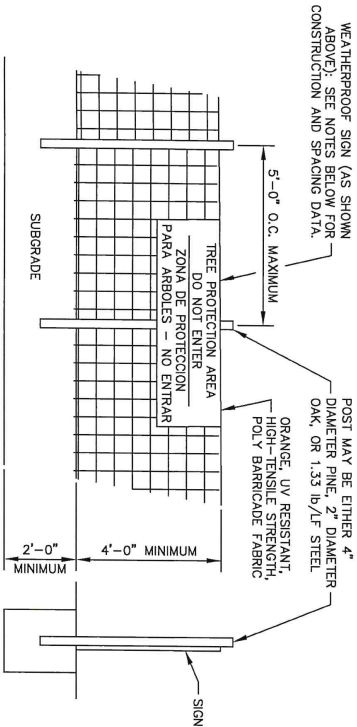
Apply lime and fertilizer according to soil tests, or apply 3,000 lb/acre ground agricultural limestone and 500 lb/acre 10-10-10 fertilizer.

MULCH

Use 1/4" excelsior matting or other effective channel lining material to cover the bottom of channels and ditches. The lining should extend above the highest calculated depth of flow. On channel side slopes above this height, and in ditches not requiring temporary lining, apply 4,000 lb/acre grain straw and anchor straw by tacking matting over the top.

MAINTENANCE

A minimum of 3 weeks is required for establishment. Inspect and report mulch frequently. Re-fertilize the following Apr. with 50 lb/acre nitrogen.



2 TREE PROTECTION FENCE
C9 NOT TO SCALE

NOTES:
 1. INSTALL TREE PROTECTION FENCE AND SIGNAGE PRIOR TO CALLING FOR SITE INSPECTION. MAINTAIN TREE PROTECTION SIGNS THROUGHOUT DURATION OF PROJECT. ADDITIONAL SIGNS MAY BE REQUIRED BASED ON ACTUAL FIELD CONDITIONS.

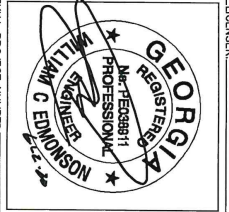


PROJECT INFORMATION:
 SITE NAME:
 OLD STATE ROAD
 SITE NO.: 50291
 FUZE PROJECT#: 15525785
 6000 HOPE CIRCLE
 NAYLOR, GA 31841
 LONDRES COUNTY

PLANS PREPARED BY:
Kimley-Horn
 11720 AMBER PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30009
 WWW.KH.COM

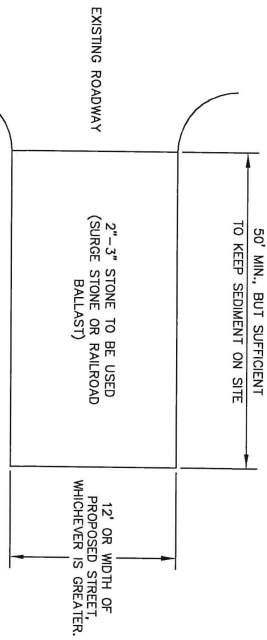
REV.	DATE	ISSUED FOR	BY
1	06/16/20	CONSTRUCTION	WCE
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LICENSE NUMBER:
 A 09/12/20 PRELIMINARY WCE

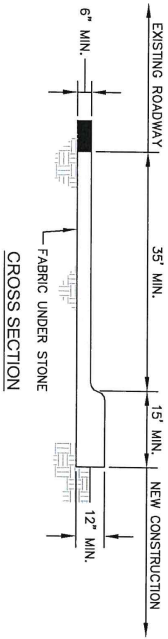


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 DRAWN BY: CHEEKED BY:
 TDM WCE
 SHEET TITLE:
 GRADING AND EROSION CONTROL DETAILS
 SHEET NUMBER:
 C9

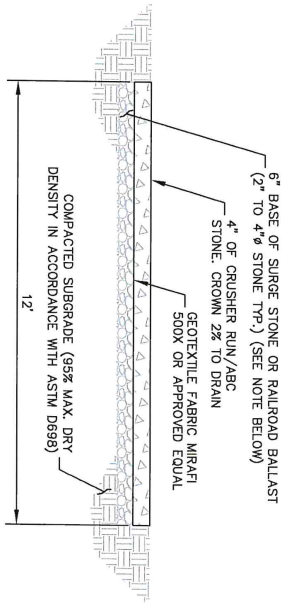
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- NOTES:**
1. PUT SILT FENCE OR TREE PROTECTION FENCE UP TO ENSURE CONSTRUCTION ENTRANCE IS USED.
 2. IF CONSTRUCTION ON THE SITES ARE SUCH THAT THE MUD IS WASHED INTO THE PUBLIC ROAD, THEN THE TRES OF THE VEHICLES ENTERING THE PUBLIC ROAD. IF A PROJECT CONTINUES TO PULL MUD AND DEBRIS ON TO THE PUBLIC ROAD, THE GOVERNING AUTHORITY WILL CLEAN THE AREA AND INVOICE THE FINANCIALLY RESPONSIBLE PERSON AS INDICATED ON THE FINANCIAL RESPONSIBILITY FORM.



1
C10 CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTE:
IF DETERMINED NECESSARY DURING GRADING AND CONSTRUCTION OF THE ACCESS ROAD BY THE VERIZON WIRELESS PROJECT MANAGER, THE CONTRACTOR SHALL INSTALL 6\"/>

2
C10 STANDARD ACCESS ROAD AND TURN-AROUND DETAIL
NOT TO SCALE



1000 OLD ALPHARETTA ROAD, SUITE 600
ALPHARETTA, GA 30009
WWW.VERIZON.COM

PROJECT INFORMATION:

SITE NAME:
OLD STATE ROAD
SITE NO.: 5025971
FUZE PROJECT#: 155225785
GOOD HOPE CIRCLE
NAYLOR, GA 31841
LOWMEYER COUNTY

PLANS PREPARED BY:



11720 AUBURN PARK DRIVE, SUITE 600
ALPHARETTA, GA 30009
WWW.KH-CORP.COM

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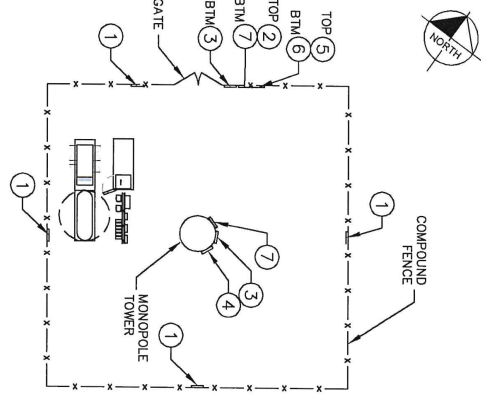
REGISTERED PROFESSIONAL ENGINEER
GEORGIA
No. 1608871
TIM MARCHANT
Professional Seal

KHA PROJECT NUMBER: 013509094
DRAWN BY: WCE
CHECKED BY: WCE
SHEET TITLE: ACCESS ROAD DETAILS
SHEET NUMBER: C-10

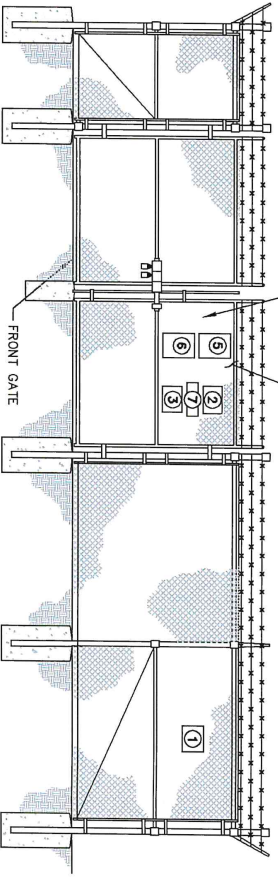
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1 SIGN PLACEMENT PLAN VIEW
C11 NOT TO SCALE

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

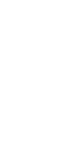
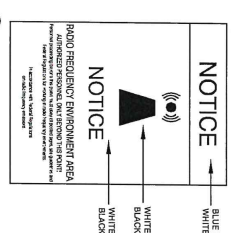
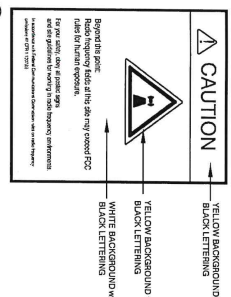
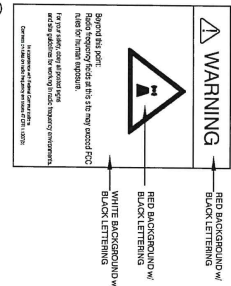
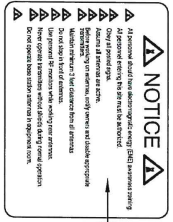
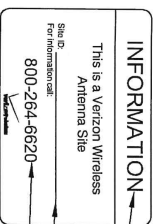


HERE AND ON ANY GATED ACCESS ENTRY



3 SIGN PLACEMENT FRONT GATE VIEW
C11 NOT TO SCALE

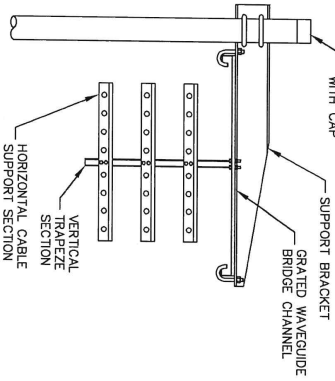
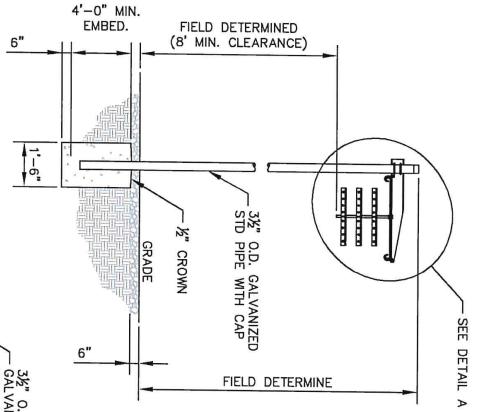
2 TYPICAL SIGNS AND SPECIFICATIONS
C11 NOT TO SCALE



SIGNAGE NOTES:
1. SIGNS SHALL BE FABRICATED FROM CORROSION RESISTANT PRESSED METAL, AND PAINTED WITH LONG LASTING FINISH.
2. SIGNS (EXCEPT WHERE NOTED OTHERWISE) SHALL BE MOUNTED TO THE TOWER, GATE, AND FENCE USING A MINIMUM OF 9 GAUGE ALUMINUM WIRE, HOOK RINGS (AS UTILIZED IN FENCE INSTALLATIONS) OR BRACKETS WHERE NECESSARY. BRACKETS SHALL BE OF SIMILAR METAL AS THE STRUCTURE TO AVOID GALVANIC CORROSION.

<p>1000 OLD ALABAMA ROAD ALBUQUERQUE, NM 87102</p>	<p>Kimley-Horn</p> <p>11720 AMERS PARK TRAIL, SUITE 600 ALPHARETTA, GA 30009 WWW.KH-CORP.COM</p>	<p>SITE NAME: OLD STATE ROAD SITE NO.: 502931 FUZE PROJECT#: 15525785 6000 HOPE CIRCLE NAYLOR, GA 31661 LOWMEYER COUNTY</p> <p>PLANS PREPARED BY:</p>	<p>PROJECT INFORMATION:</p>	<p>REGISTERED PROFESSIONAL ENGINEER</p> <p>WILLIAM C. EMMETT, P.E.</p> <p>NO. 15599994</p>	<p>DATE: ISSUED FOR: BY:</p> <table border="1"> <tr><td>7</td><td></td><td></td></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>1</td><td>06/18/20</td><td>CONSTRUCTION</td></tr> <tr><td>0</td><td>05/12/20</td><td>PRELIMINARY</td></tr> </table> <p>LICENSER: WCE</p>	7			6			5			4			3			2			1	06/18/20	CONSTRUCTION	0	05/12/20	PRELIMINARY	<p>SHA PROJECT NUMBER:</p> <p>DRAWN BY: CH94</p> <p>CHECKED BY: WCE</p> <p>TDM: WCE</p> <p>SHEET TITLE:</p> <p>SITE SIGNAGE DETAILS</p> <p>SHEET NUMBER: C11</p>
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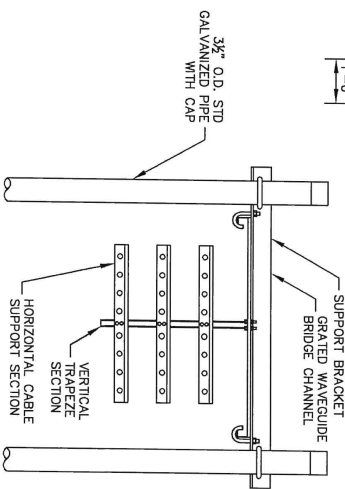
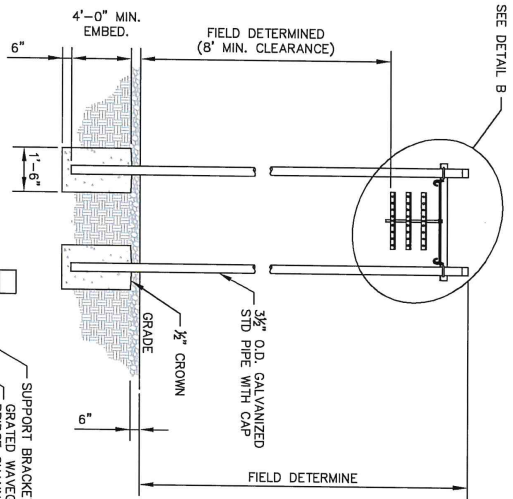
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DETAIL A
 ANDREW 1 POST WAVEGUIDE BRIDGE
 KIT (PART #WB-K210-B15, OR
 APPROVED EQUIVALENT)

NOTE:
 1. ALL MATERIALS FURNISHED BY CONTRACTOR
 UNLESS OTHERWISE NOTED.

1 WAVEGUIDE BRIDGE DETAIL
 C12 NOT TO SCALE



DETAIL B
 ANDREW 2 POST WAVEGUIDE BRIDGE
 KIT (PART #WB-K410-B15, OR
 APPROVED EQUIVALENT)

NOTE:
 1. ALL MATERIALS FURNISHED BY CONTRACTOR
 UNLESS OTHERWISE NOTED.

2 WAVEGUIDE BRIDGE DETAIL (ALT DESIGN - 2 PIPE COLUMNS)
 C12 NOT TO SCALE

verizon
 10300 OLD ALABAMA ROAD CONVENT
 ALABAMA, CONVENT, 36022

PROJECT INFORMATION:
 SITE NAME:
 OLD STATE ROAD
 SITE No.: 1502901
 FLZE PROJECT#: 15525785
 GOOD AFTER CARE
 NATION, GA 31841
 LOWMEYER COUNTY

PLANS PREPARED BY:

Kimley-Horn
 11720 ABERN PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30009
 PHONE: 770-968-2000
 WWW.KHINC.COM

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A	06/12/20	PRELIMINARY	WCE

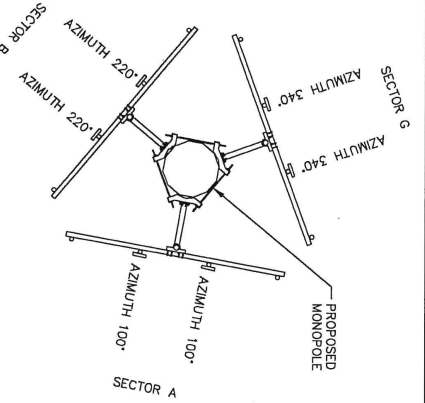
GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. PER00011
 WILLIAM C. EDWARDS, P.E.
 LICENSE NO. 12020

SHA PROJECT NUMBER:
 013509094

DRAWN BY: CHECKED BY:
 TDM WCE

SHEET TITLE:
 WAVEGUIDE BRIDGE DETAILS

SHEET NUMBER:
 C12



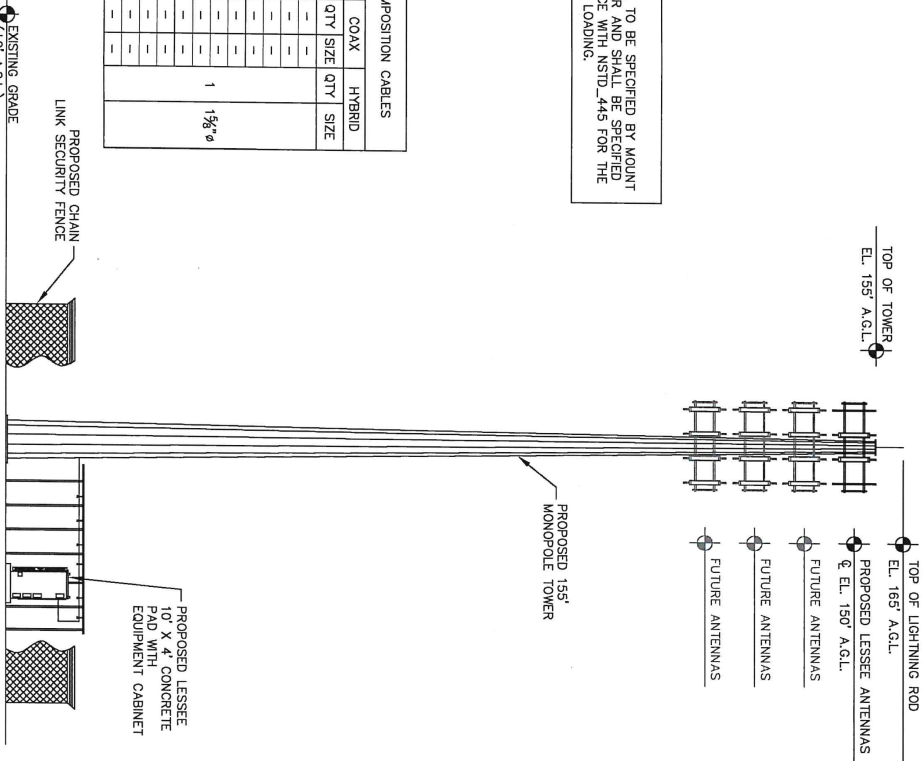
NOTE:
 MODEL TO BE SPECIFIED BY MOUNT MANUFACTURER AND SHALL BE SPECIFIED IN ACCORDANCE WITH NSTD_445 FOR THE PROPOSED RF LOADING.

1 ANTENNA ORIENTATION PLAN
 (NOT TO SCALE FOR ILLUSTRATIVE PURPOSES ONLY, SEE STRUCTURAL ANALYSIS BY OTHERS TO CONFIRM ANTENNA MOUNT TYPE)

ANTENNA POSITION	AZIMUTH IN DEGREES	MECHANICAL DOWN TILT	LICENSED FREQUENCY	ANTENNA* (QTY) MAKE/MODEL	REMOTE RADIO UNIT (QTY) MAKE/MODEL	RAYCAPS (QTY) MAKE/MODEL	COMPOSITION CABLES						
							LENGTH	COAX QTY	HYBRID QTY	SIZE			
A1	100°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
A2	100°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								
A3	100°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
A4	100°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								
B1	220°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
B2	220°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								
B3	220°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
B4	220°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								
G1	340°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
G2	340°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								
G3	340°	0°	700/850	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/4449								
G4	340°	0°	1900/2100	(1) COMMSCOPE/NHH 65C R2B	(1) ERICSSON/8843								

NOTES:
 1. ALL INFORMATION ON THIS PAGE IS PROVIDED BY VERIZON WIRELESS AND/OR OTHERS AND IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL CONTACT THE VERIZON WIRELESS CONSTRUCTION MANAGER PRIOR TO CONSTRUCTION FOR ALL DETAILED ANTENNA, AND COAX CABLE INFORMATION.
 2. REFER TO STRUCTURAL ANALYSIS BY TOWER OWNER FOR ANALYSIS OF PROPOSED TOWER.
 3. IT IS UNDERSTOOD THAT KIMLEY-HORN MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, FINDINGS, DESIGN RECOMMENDATIONS, SPECIFICATIONS, OPINION, OR PROFESSIONAL ADVICE RELATING TO THE STRUCTURAL ADEQUACY OF THE PROPOSED TOWER OR ATTACHMENT OF ANTENNAS OR OTHER APPURTENANCES.

2 MONOPOLE TOWER ELEVATION - NW VIEW (FACING SE)
 (NOT TO SCALE)



NOTES:
 1. ALL PROPOSED ATTACHMENTS TO TOWER BASED ON TOWER DESIGN DRAWINGS BY OTHERS (SEE GENERAL NOTE 1.07, SHEET N1).
 2. THE TOWER ELEVATION SHOWN IS FOR REFERENCE ONLY.
 3. FIBER CABLE LENGTHS ARE APPROXIMATE. CONTRACTOR TO VERIFY CORRECT LENGTH IN FIELD AT TIME OF CONSTRUCTION.
 4. PROPOSED TOWER WILL BE GALVANIZED STEEL—GRAY IN COLOR.

verizon
 1000 50 ALABAMA ROAD CORNER
 ALABAMA CENTER
 ALABAMA CENTER
 ALABAMA CENTER

PROJECT INFORMATION:
 SITE NAME: OLD STATE ROAD
 SITE NO.: 502581
 FLZE PROJECT#: 15525785
 6000 HOPE CIRCLE
 NATION, GA 31841
 LOMBARD COUNTY

PLANS PREPARED BY:
Kimley-Horn
 11720 AMBER PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30009
 (770) 774-2000
 WWW.KH-CORP.COM

REV: DATE: ISSUED FOR: BY:

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0	05/12/20	PRELIMINARY	WCE

LICENSER:

FOR ILLUSTRATIVE PURPOSES ONLY - NO SIGNATURE REQUIRED

KHA PROJECT NUMBER:
 013509094

DRAWN BY: CHECKED BY:
 TDM WCE

SHEET TITLE:
 ANTENNA AND TOWER ELEVATION DETAILS

SHEET NUMBER:
 C-13

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KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A 1" SCHEDULE 40 STEEL PIPE, PIPE MATERIAL TO COMPLY WITH SECTION 403.4.2 OF THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE. PIPE SIZED FOR AN INLET PRESSURE OF 11" IN W.C.I. AND A MAXIMUM LENGTH OF 50 FT.
- B 1" POLYETHYLENE PIPE WITH A TRACER WIRE. PIPE MATERIAL TO COMPLY WITH SECTION 403.6 OF THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE. PIPE SIZED FOR INLET PRESSURE OF 11" IN W.C.I. AND A MAXIMUM LENGTH OF 50 FT. TRACER WIRE SHALL COMPLY WITH SECTION 620.1 OF THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE.
- C 4" SCHEDULE 80 PVC SLEEVE.

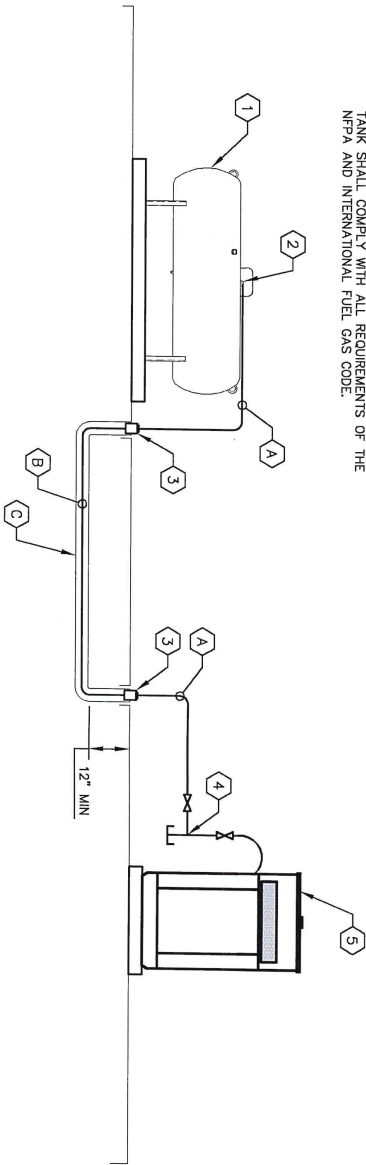
KEY NOTES - EQUIPMENT

- 1 LIQUID PROPANE TANK WITH AN INTEGRAL MANUAL SHUTOFF VALVE, SIZE AND TYPE PER VERIZON WIRELESS, NFPA AND INTERNATIONAL FUEL GAS CODE.
- 2 FIRST STAGE REGULATOR PER NFPA 98 SECTION 6.8.1.1.
- 3 4" PVC CAP.
- 4 PROPOSED VALVE, DRIP LEG, SECOND STAGE REGULATOR, AND FLEXIBLE CONNECTORS, ALL MATERIALS SHALL BE INSTALLED PER THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE.
- 5 PROPOSED LP GENERATOR.

ADDITIONAL NOTES

1. UPON COMPLETION OF ASSEMBLY, PIPING SYSTEMS (INCLUDING HOSE) SHALL BE TESTED AND PROVED FREE OF LEAKS PER SECTION 406 OF THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE.
2. GENERATOR SUPPLY LINE UPSTREAM OF SECOND STAGE REGULATOR SIZED FOR 632 THOUSAND BTU AT 30 FEET MAXIMUM PIPING LENGTH. LINES SIZED PER TABLES 402.4(2B) AND 402.4(3S) OF THE 2018 INTERNATIONAL FUEL GAS CODE WITH 2020 GEORGIA AMENDMENTS FUEL GAS CODE. THE INSTALLATION OF THE SERVICE LINES CANNOT BE MADE IN CONNECTION WITH THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ORDERING MATERIALS TO RECEIVE DIRECTION.
3. COORDINATE ALL ROUTING WITH OTHER TRADES SHOWN ON CIVIL AND ELECTRICAL DRAWINGS.
4. MINIMUM SEPARATION BETWEEN POINT OF DISCHARGE OF CONTAINER PRESSURE RELIEF VALVE VERSUS A FIXED MAXIMUM LIQUID LEVEL GAUGE ON A CONTAINER, AND THE CONTAINER FILLING CONNECTION TO EXTERIOR SOURCES SHALL BE NO LESS THAN FIVE FEET TO ANY SPARK SOURCE. NOTE THAT THIS SEPARATION IS DETERMINED BY SECTION 6.26.3 OF THE NFPA AND IS ONLY VALID IF A MANUAL SHUT OFF VALVE IS INSTALLED.

LIQUID PROPANE TANK WITH AN INTEGRAL MANUAL SHUTOFF VALVE, SIZE AND TYPE PER VERIZON WIRELESS, NFPA AND INTERNATIONAL FUEL GAS CODE.



1 MECHANICAL PLAN AND NOTES
M1 NOT TO SCALE



1500 OLD ALABAMA ROAD
ALBANY, GEORGIA 31707

PROJECT INFORMATION:

SITE NAME:
OLD STATE ROAD
SITE NO.: 802891
FLIZE PROJECT#: 15529785
DATE: 06/19/20
DRAWN BY: TMM
CHECKED BY: WCE
LORNER COUNTY

PLANS PREPARED BY:



1729 JONES HWY. SUITE 600
ALBANY, GEORGIA 31707
PHONE: 770-893-4300
WWW.KH-engineers.com

REV. DATE ISSUED FOR BY:

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LICENSED:



KHA PROJECT NUMBER:

013509094

DRAWN BY: CHECKED BY:

TMM WCE

SHEET TITLE:

MECHANICAL PLAN AND NOTES

SHEET NUMBER:

M1

ELECTRICAL NOTES

1.00 CODES, STANDARDS, & SPECIFICATIONS

- 1.01 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL MATERIALS AND LABOR RELATED DIRECTLY OR INDIRECTLY TO ALL ELECTRICAL WORK DOCUMENTED IN THESE DRAWINGS SHALL BE PROVIDED AND PERFORMED IN CONFORMANCE WITH ALL CURRENT CODES, STANDARDS, AND PROFESSIONAL STANDARDS OF CARE TO INCLUDE THE NATIONAL ELECTRICAL CODE (NEC), MATERIALS (ASTM), UNDERWRITERS LABORATORY (UL), NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA), AMERICAN STANDARDS ASSOCIATION (ASA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND THE NATIONAL ELECTRICAL CODE (NEC).
- 1.02 MATERIALS SHALL BE NEW AND SHALL CONFORM TO ALL APPLICABLE CURRENT STANDARDS ESTABLISHED FOR EACH ITEM BY ASTM, UL, NEMA, ASA, AND NFPA.
- 1.03 ALL ELECTRICAL WORK SHALL CONFORM WITH ALL APPLICABLE STATE, COUNTY, AND MUNICIPAL CODES, ORDINANCES, AS WELL AS ALL CURRENT GOVERNING STANDARDS AND PRACTICES AS REQUIRED BY NEC, NEMA, ANSI, NFPA, UL, IEEE, AND THE LOCAL UTILITY COMPANY.
- 1.04 ALL ELECTRICAL GROUNDING SHALL COMPLY WITH THE CURRENT EDITION OF THE NEC.
- 1.05 CONTRACTOR SHALL MAINTAIN UL LISTED FIRE RATINGS AT ALL WALL PENETRATIONS.
- 1.06 CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 36" IN FRONT OF ALL ELECTRICAL EQUIPMENT AS REQUIRED BY NEC. MINIMUM CLEARANCE SHALL BE OBSERVED FOR BOTH THE FRONT AND THE REAR OF THE METER H-FRAME RACK AND THE EQUIPMENT H-FRAME RACK.

2.00 GENERAL

- 2.01 CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND ASSOCIATED FEES RELATED TO THE PROJECT AND SHALL DELIVER A COPY OF ALL PERMITS TO THE VERIZON REPRESENTATIVE.
- 2.02 CONTRACTOR SHALL SCHEDULE AND SHOULD ATTEMPT ALL INSPECTIONS REQUIRED BY THE JURISDICTION HAVING AUTHORITY.
- 2.03 CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC., FOR A COMPLETE WORKING ELECTRICAL INSTALLATION.
- 2.04 ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH APPLICABLE BUILDING CODES AND LOCAL ORDINANCES, INSTALLED IN A NEAT MANNER, AND SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER.
- 2.05 CONTRACTOR SHALL PROTECT ADJACENT EQUIPMENT AND FINISHES FROM DAMAGE AND SHALL REPAIR TO ORIGINAL CONDITION ANY ITEMS DAMAGED AS A RESULT OF THE WORK.
- 2.06 CONTRACTOR SHALL REPAIR ANY LANDSCAPING DISTURBED DURING CONSTRUCTION.
- 2.07 IF CONDUIT RUNS HAVE MORE THAN THREE (3) CONSECUTIVE 90 DEGREE TURNS, THE CONTRACTOR SHALL INSTALL PULL BOXES AS REQUIRED BY NEC.
- 2.08 CONTRACTOR SHALL INDICATE THE LOCATION OF ALL CARPED UNDERGROUND SPARE CONDUIT ON THE RECORD DRAWINGS SUBMITTED TO THE OWNER.
- 2.09 CONTRACTOR SHALL COORDINATE EXACT ROUTING OF CONDUIT WITH OWNER. ALL CONDUIT SHALL BE ROUTED WITHIN 3 FEET, EITHER SIDE, OF PERIMETER FENCING.

3.00 MATERIALS

- 3.01 ALL EQUIPMENT AND MATERIALS SHOWN SHALL BE CONSIDERED NEW UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- 3.02 FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURER'S APPROVED WIRING DIAGRAMS, DETAILS, AND MATERIALS. ELECTRICAL CONTRACTOR SHALL PROVIDE MANUFACTURER'S APPROVED COMPATIBLE WITH EQUIPMENT SUPPLIED BY VERIZON.
- 3.03 CONTRACTOR SHALL PROVIDE AN UPDATED PANELBOARD DIRECTORY FOR THE PANEL FROM WHICH THE NEW VERIZON EQUIPMENT CIRCUIT WILL BE CONNECTED. CONTRACTOR SHALL SUBMIT UPDATED DIRECTORY IN A PLASTIC COVER TO THE BUILDING OWNER FOR APPROVAL PRIOR TO INSTALLATION.
- 3.04 CONTRACTOR SHALL FIELD DETERMINE ACTUAL CONDUIT ROUTING AND SHALL OBTAIN APPROVAL FROM THE TOWER OWNER OF THE PROPOSED ROUTING PRIOR TO CONDUIT INSTALLATION.
- 3.05 ALL CONDUITORS SHALL BE COPPER WITH THWN INSULATION DEGREE 90.
- 3.06 ALL NEUTRAL CONDUCTORS SHALL HAVE WHITE INSULATION, ALL GROUND CONDUCTORS SHALL HAVE GREEN INSULATION, COLOR TAPE IDENTIFICATION OF THESE CONDUCTORS IS NOT PERMITTED.
- 3.07 CONTRACTOR SHALL SEAL ALL CONDUITS ENTERING AN ENCLOSURE WITH CONDUIT SEALANT TO PREVENT WATER INFILTRATION.
- 3.08 CONDUIT RUNS SHALL HAVE A CONTINUOUS DOWNWARD SLOPE AWAY FROM ALL EQUIPMENT TO PREVENT WATER INFILTRATION.
- 3.09 ALL CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE ON THE DRAWINGS. CONDUIT SHALL BE INSTALLED UNDER A ROADWAY, SCHEDULE 80 PVC CONDUIT SHALL BE UTILIZED. MANUFACTURED BEND RADI SHALL BE PER NEC.
- 3.10 CONTRACTOR SHALL PROVIDE TWO (2) 200 POUND TEST POLYETHYLENE PULL CORDS IN ALL CONDUITS AND ALL INNERDUITS. PULL CORDS SHALL BE SECURED AT EACH END OF CONDUIT RUNS. ALL SPARE CONDUIT ENDS SHALL BE CAPPED WITH MANUFACTURED PVC FITTINGS.
- 3.11 CONTRACTOR SHALL BOND EACH METALLIC CONDUIT ENTERING A METALLIC ENCLOSURE WITH A #8 MIN AWG INSULATED COPPER BONDING JUMPER PER NEC. CONTRACTOR SHALL BOND ALL ELECTRICAL EQUIPMENT TO THE H-FRAME RACK ON WHICH EQUIPMENT IS MOUNTED WITH #8 MIN AWG INSULATED COPPER BONDING JUMPERS PER NEC.
- 3.12 CONTRACTOR SHALL IDENTIFY THE END OF ALL SPARE UNDERGROUND CONDUITS AND PROVIDE AND INSTALL 90 DEGREE ELBOWS WITH VERTICAL CONDUIT EXTENSIONS TO EXTEND 3" ABOVE FINISHED GROUND ASSESS TO GRADE. CONTRACTOR SHALL TERMINATE CONDUITS WITH MANUFACTURED CONDUIT CAPS THAT THE CONTRACTOR HAS PAINTED ORANGE.
- 3.13 CONTRACTOR SHALL PROVIDE AND INSTALL AN ENGRAVED PHENOLIC PLATE ON THE FRONT OF THE TRANSFORMER LOAD CENTER. THE WORDING ON THE PLATE SHALL READ AS FOLLOWS: "MAXIMUM DRAW OF ALL RECIPIERS AND EQUIPMENT ON THE LOAD CENTER CANNOT EXCEED 35KW. IF ADDITIONAL POWER IS REQUIRED, THE EXISTING 35KW GENERATOR MUST BE REPLACED."

4.00 PRE-CONSTRUCTION COORDINATION

- 4.01 CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND NOTE EXISTING CONDITIONS THAT MIGHT AFFECT THEIR WORK. ALL SUCH CONDITIONS SHALL BE REPORTED TO THE ENGINEER PRIOR TO BID.
- 4.02 THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND SURVEY TO THE LOCAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 4.03 CONTRACTOR SHALL VERIFY, PRIOR TO ROUGH-IN, THAT SITE CONDITIONS ALLOW FOR THE PLACEMENT OF THE ELECTRICAL EQUIPMENT AS SHOWN ON THE PLANS.
- 4.04 CONTRACTOR SHALL COORDINATE WITH LOCAL ELECTRICAL UTILITY REGARDING THE EXACT LOCATION OF THE TRANSFORMER, ALL METERING REQUIREMENTS, AND CONDUIT ROUTING BETWEEN TRANSFORMER AND METERS.
- 4.05 CONTRACTOR SHALL COORDINATE WITH LOCAL TELCO UTILITY REGARDING THE EXACT LOCATION OF THE TELCO SERVICE ENTRY POINT.
- 4.06 CONTRACTOR SHALL COORDINATE WITH AUTHORITY HAVING JURISDICTION REGARDING LOCAL FROST LINE REQUIREMENTS FOR FACEWAY MATERIAL SELECTION AND INSTALLATION.
- 4.07 CONTRACTOR SHALL PERFORM AN ARC FLASH ANALYSIS AT THE INTEGRATED LOAD CENTER AND PROVIDE ARC FLASH LABEL PER NEC.
- 4.08 ALL CIRCUIT BREAKERS AND EQUIPMENT SHALL HAVE A MINIMUM ARC RATING OF 10,000 AMPS. IF THE RATING OF THE UTILITY TRANSFORMER PROVIDING THE ELECTRICAL SERVICE IS GREATER THAN 75 KVA, THE CONTRACTOR SHALL PERFORM A SHORT CIRCUIT ANALYSIS TO DETERMINE THE REQUIRED ARC RATING FOR THE CIRCUIT BREAKERS AND EQUIPMENT. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE UTILITY SERVICE POINT TO OBTAIN IN WRITING THE MAXIMUM AVAILABLE FAULT CURRENT. (FCD) AT THE UTILITY SERVICE POINT. PROVIDE MAX. ARC SNOGAGE AS REQUIRED PER NEC 110.24. 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.

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verizon
 1800 OLD VERIZON ROAD
 ALPHARETTA, GEORGIA 30202

PROJECT INFORMATION:
 SITE NAME:
 OLD STATE ROAD
 SITE NO.: 502597
 FUZE PROJECT#: 15525785
 6000 HOPKINS CIRCLE
 LAWRENCE COUNTY
 GEORGIA

PLANS PREPARED BY:
Kimley-Horn
 11720 AMBER PARK DRIVE, SUITE 800
 FARMERS BRANCH, GA 30204
 PHONE: 770-593-4999
 WWW.KIMLEY-HORN.COM

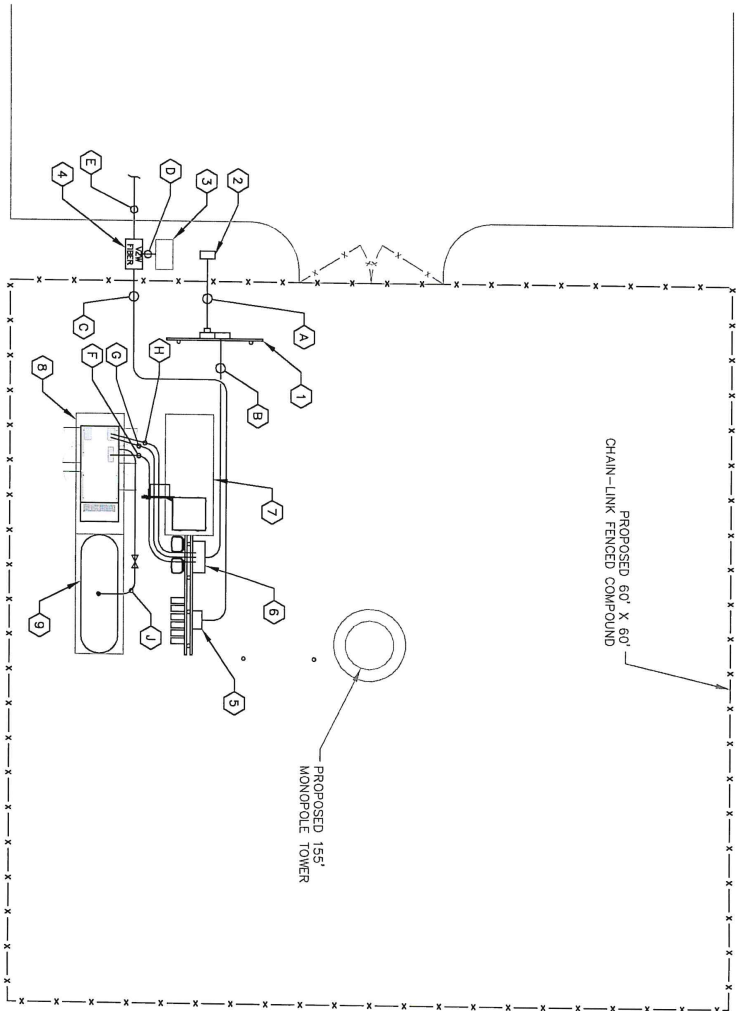
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GENERAL CONTRACTOR
 ENGINEER
COBBIN C HIRD
 07/20

SHA PROJECT NUMBER:
 01350994
 DRAWN BY: WCE
 CHECKED BY:
 TDM

SHEET TITLE:
ELECTRICAL NOTES
 SHEET NUMBER:
E1

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1 UTILITY SERVICE ROUTING PLAN
E2 SCALE: 1" = 10'

KEY NOTES - ELECTRICAL EQUIPMENT

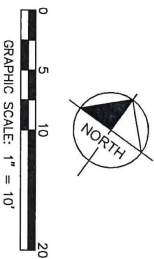
- ① UTILITY METER H-FRAME (SEE DETAIL 1/E4).
- ② POWER STUB UP (SEE NOTE 4.04 ON SHEET E1).
- ③ EXISTING LIT FIBER HANDHOLE/PEDESTAL. (CONTRACTOR TO CONFIRM EXISTENCE AND LOCATION).
- ④ TRAFFIC RAISED TELCO VAULT LABELLED "VZW FIBER". (SEE NOTE 4.05 ON SHEET E1)
- ⑤ TELCO BOX (SEE SHEET C4).
- ⑥ INTEGRATED LOAD CENTER (SEE SHEET C4).
- ⑦ VERIZON CONCRETE EQUIPMENT PAD (SEE SHEET C6).
- ⑧ VERIZON CONCRETE GENERATOR PAD (SEE SHEET C6).
- ⑨ PROPANE TANK (SEE SHEET M1)

KEY NOTES - CONDUIT, CONDUCTORS, & MISC.

- ① TWO (2) 4" PVC POWER CONDUITS FOR INCOMING SERVICE LATERALS FROM LOCAL UTILITY (SEE TRENCH DETAIL 2/E7).
- ② 2" PVC POWER CONDUIT FROM PROPOSED METER RACK TO EQUIPMENT RACK (SEE TRENCH DETAIL 2/E7).
- ③ 4" PVC TELCO CONDUIT WITH TWO (2) PULL ROPES (SEE TRENCH DETAIL 2/E7).
- ④ 4" PVC BRIDGE FIBER CONDUIT. (IF NO EXISTING LIT FIBER HANDHOLE/PEDESTAL IS PRESENT CONTRACTOR TO PROVIDER A 5" LONG CAPPED STUB BRIDGE CONDUIT).
- ⑤ TWO (2) 2" PVC CONDUITS FROM RIGHT OF WAY W/TWO (2) PULL ROPES (SEE TRENCH DETAIL 2/E7 AND SHEET E3).
- ⑥ 2" PVC POWER CONDUIT TO THE GENERATOR (SEE TRENCH DETAIL 2/E7).
- ⑦ 1" PVC CONDUIT FOR ROUTING GENERATOR CONTROL AND ALARM SIGNAL CABLES TO THE GENERATOR (SEE TRENCH DETAIL 2/E7).
- ⑧ 1" PVC CONDUIT FOR ROUTING POWER CONDUCTOR TO THE GENERATOR BATTERY CHARGER AND THE GENERATOR BLOCK HEATER (SEE TRENCH DETAIL 2/E7).
- ⑨ PROPANE SERVICE LINE (SEE SHEET M1)

NOTES:

GENERAL CONTRACTOR IS TO CONFIRM WITH VERIZON CONSTRUCTION MANAGER WHETHER INSTALLATION OF THE TWO (2) 2" PVC CONDUITS WILL BE PART OF THE INITIAL CONSTRUCTION.



 10300 OLD ALABAMA ROAD ALABAMA, GEORGIA 30022	PROJECT INFORMATION: SITE NAME: OLD STATE ROAD SITE NO: 020981 FLIZE PROJ. I.D.C.T#: 15525785 8000 JONES CIRCLE NAYLOR, GA 31841 LOWMYER COUNTY	PLANS PREPARED BY: 11720 AUBURN PARK DRIVE, SUITE 400 ASPENHURST, GA 30009 PHONE: 770-581-4200 FAX: 770-581-4200 WWW.KH1.COM	REV. DATE: ISSUED FOR: BY: 7 6 5 4 3 2 1 0 05/16/20 CONSTRUCTION COH A 05/12/20 PRELIMINARY COH	LICENSED: GEORGE G. HARDY ENGINEER 06/21/20	KHA PROJECT NUMBER: 013509094 DRAWN BY: CHECKED BY: TDM WCE SHEET TITLE: UTILITY SERVICE ROUTING PLAN SHEET NUMBER: E2
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POWER NOTES:

1. CONTRACTOR TO CONTACT CARTHIEL GUESS (CGUESS@SLASHPINEEMG.COM), 877-205-4736, PRIOR TO CONSTRUCTION.
2. SLASH PINE EMC TO INSTALL PRIMARY CONDUCTOR OVERHEAD FROM EXISTING UTILITY POLE TO PROPOSED UTILITY POLE TO THE PROPOSED PAD-MOUNTED TRANSFORMER.
3. CONTRACTOR TO INSTALL CONDUIT FROM METER RACK TO PAD-MOUNTED TRANSFORMER. LOCATION OF PAD-MOUNTED TRANSFORMER TO BE COORDINATED WITH SLASH PINE EMC PRIOR TO CONSTRUCTION. SLASH PINE EMC TO PULL SECONDARY CONDUCTOR THROUGH CONTRACTOR INSTALLED CONDUIT
4. SLASH PINE EMC TO OBTAIN ANY ADDITIONAL EASEMENTS.
5. THERE WILL BE AN ESTIMATED FEE OF \$475 FOR UNDERGROUND SERVICE AND \$8 PLF FOR UNDERGROUND CONDUCTOR. (DUE TO MARKET FLUCTUATIONS, THIS ESTIMATE EXPIRES AFTER 90 DAYS. CONTRACTOR TO CONTACT CARTHIEL GUESS FOR AN UPDATED ESTIMATE.)

KEY NOTES - ELECTRICAL EQUIPMENT

1. EXISTING LIT FIBER HANDHOLE/PEDESTAL.
2. TRAFFIC RATED TELCO VAULT LABELLED "VZW FIBER". (SEE NOTE 4.05 ON SHEET E1)
3. TRAFFIC RATED TELCO VAULT FOR "VZW FIBER" (SPACED EVERY 500' AT MAJOR TRANSITIONS AND AS NEEDED TO ALLOW DARK FIBER TO BE PULLED).
4. PROPOSED PAD-MOUNTED TRANSFORMER, FURNISHED AND INSTALLED BY SLASH PINE EMC
5. PROPOSED UTILITY POLE, FURNISHED AND INSTALLED BY SLASH PINE EMC
6. EXISTING UTILITY POLE.

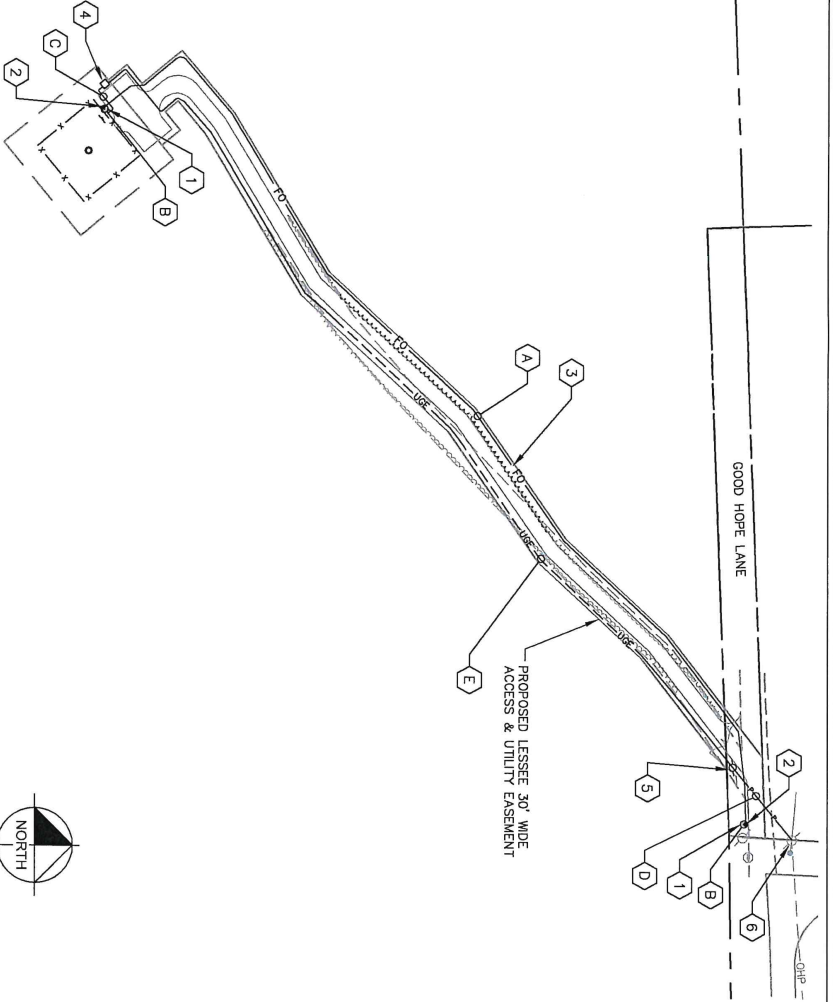
KEY NOTES - CONDUIT, CONDUCTORS, & MISC.

- A. TWO (2) 2" PVC CONDUIT FOR "VZW FIBER" WITH TWO (2) PULL PORTS (SEE DETAIL E1) APPROXIMATELY 885 ± LIFT GENERAL CONTRACTOR TO PROVIDE AND HANDHOLE AT RIGHT OF WAY WITH VERIZON CONSTRUCTION MANAGER.
- B. 4" PVC BRIDGE FIBER CONDUIT. (IF NO EXISTING LIT FIBER LONG CAPPED STUB BRIDGE CONDUIT).
- C. CONTRACTOR TO FURNISH AND INSTALL CONDUIT FROM METER RACK TO PAD-MOUNTED TRANSFORMER. SLASH PINE EMC TO PULL SECONDARY CONDUCTOR THROUGH CONTRACTOR INSTALLED CONDUIT WITH PULL SIZES AND 90 DEGREE RIGID METALLIC OVERHEADS, FURNISHED AND INSTALLED BY SLASH PINE EMC.
- D. SLASH PINE EMC TO FURNISH AND INSTALL PRIMARY CONDUCTOR OVERHEAD FROM EXISTING UTILITY POLE TO PROPOSED UTILITY POLE.
- E. SLASH PINE EMC TO FURNISH AND INSTALL PRIMARY CONDUCTOR UNDERGROUND FROM PROPOSED UTILITY POLE TO PROPOSED PAD-MOUNTED TRANSFORMER.

NOTES:

GENERAL CONTRACTOR IS TO CONFIRM WITH VERIZON CONSTRUCTION MANAGER WHETHER INSTALLATION OF THE TWO (2) 2" CONDUITS WILL BE PART OF THE INITIAL CONSTRUCTION, PROPOSED VERIZON TELCO VAULT WITHIN RIGHT OF WAY LOCATED APPROXIMATELY 30 56 38.67N, 83 04 02.28W BASED ON GOOGLE EARTH IMAGERY.

1 OVERALL UTILITY SERVICE ROUTING PLAN
E3 SCALE: 1" = 100'



1000 OLD ALABAMA ROAD DIRECTOR
NATION, GA 31654

PROJECT INFORMATION:
SITE NAME: OLD STATE ROAD
SITE NO.: 502891
FUZE PROJECT#: 15525785
GOOD HOPE CIRCLE
NATION, GA 31654
LOWDES COUNTY

PLANS PREPARED BY:
Kimley-Horn

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ALPHARETTA, GA 30029
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REV: DATE: ISSUED FOR: BY:

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1	05/16/20	CONSTRUCTION	CCH
0	05/12/20	PRELIMINARY	CCH

LICENSER:

Professional Engineer
No. PER00871
GABRIEL C. HARDY
6/21/20

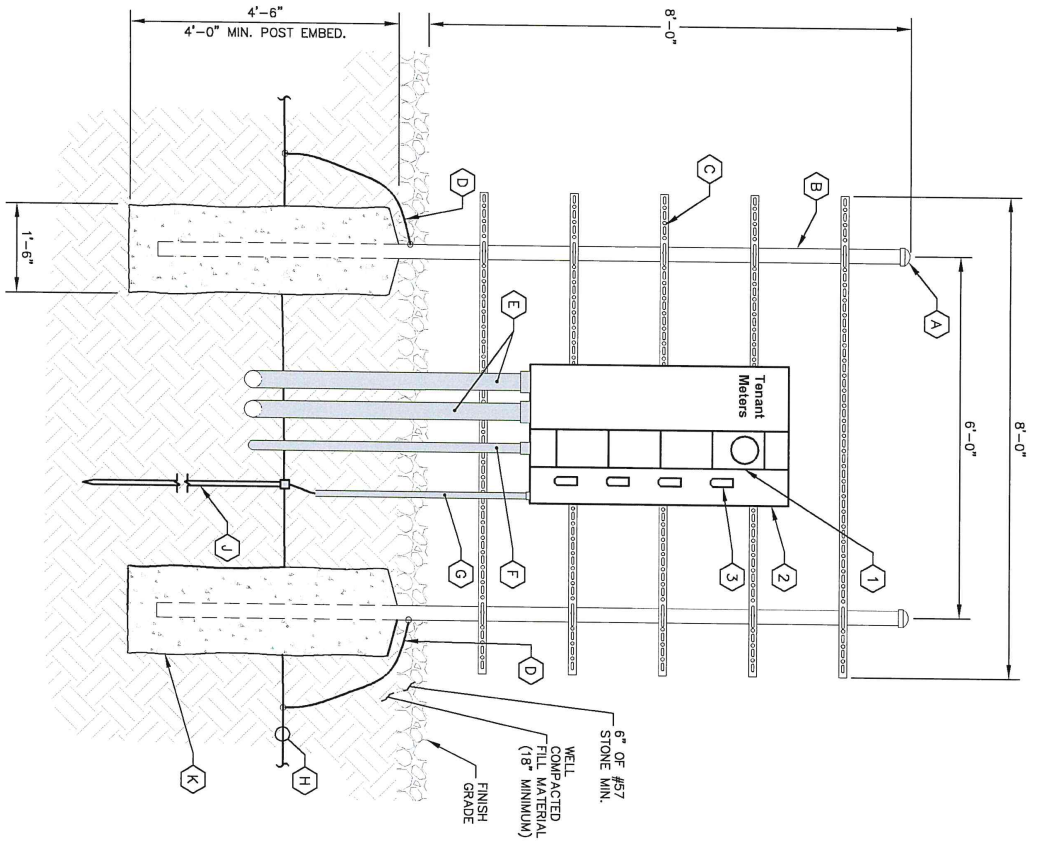
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SHEET TITLE:
OVERALL UTILITY ROUTING PLAN

SHEET NUMBER:
E3

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1 METER RACK DETAILS
E4 NOT TO SCALE

NOTE: FOR CLARITY PURPOSES, THE FRONT ELEVATION OF THE "H" FRAME ONLY SHOWS EQUIPMENT AND CONDUIT ASSOCIATED WITH THE FRONT SIDE. SEE SHEET E4.1 FOR DETAILS ASSOCIATED WITH EQUIPMENT AND CONDUIT MOUNTED ON THE REAR SIDE OF THE "H" FRAME.

KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A GALVANIZED RIGID STEEL CAP, TYPICAL.
- B 3" GALVANIZED RIGID STEEL PIPE, TYPICAL.
- C 1 1/2" x 1 1/2" GALVANIZED STEEL CHANNEL (UNISTRUT #P1000 OR APPROVED EQUIVALENT) WITH PLASTIC END CAP (UNISTRUT #P2860), TYPICAL.
- D ONE (1) #2 AWG BARE SOLID TINNED COPPER BONDING CONDUCTORS (BC) FROM H-FRAME VERTICAL PIPE TO GROUND RING, EXOTHERMIC WELD BOTH ENDS.
- E 4" PVC CONDUIT FOR INCOMING SERVICE LATERALS FROM LOCAL UTILITY, TYPICAL OF 2.
- F 2" PVC CONDUIT FOR ROUTING FEEDERS TO THE I.C.
- G 3/4" PVC CONDUIT WITH ONE (1) - 2/0 BARE STRANDED TINNED COPPER GROUNDING ELECTRODE CONDUCTOR (GEC) FROM GROUNDING LUG TO GROUND ROD, EXOTHERMIC WELD GEC TO GROUND ROD.
- H GROUND RING (SEE "E" SHEETS).
- J GROUND ROD, EXOTHERMIC WELD TO GROUND RING. (SEE "E" SHEETS).
- K CONCRETE FOUNDATION FOR H-FRAME VERTICAL PIPE. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI, AND INCLUDE FIBERWESH 300-3E.

KEY NOTES - ELECTRICAL EQUIPMENT

- 1 200 AMP METER SOCKET IN NEMA 3R ENCLOSURE, TYPICAL OF 4. ONLY TOP SOCKET WILL RECEIVE METER UNDER THIS CONTRACT.
- 2 800 AMP, 22KVA, 4 GANG, SERVICE ENTRANCE RATED METER CENTER IN NEMA 3R ENCLOSURE, BOND TO RACK PER NEC.
- 3 200 AMP, 2 POLE (22KVA) DISCONNECT CIRCUIT BREAKER FOR TOP METER ONLY. CONTRACTOR SHALL MOUNT THE METER CENTER SUCH THAT THE TOP CIRCUIT BREAKER IS NO MORE THAN 6" ABOVE GRADE.



PROJECT INFORMATION:
 SITE NAME:
 OLD STATE ROAD
 SITE NO.: 1502901
 FLUZE PROJECT#: 15525785
 6000 JOPER CIRCLE
 NATION, GA 31641
 LAMBERT COUNTY

Kimley-Horn
 11720 AMES PARK DRIVE, SUITE 600
 ALPHARETTA, GA 30009
 PHONE: 770-778-0000
 WWW.KH.COM

PLANS PREPARED BY: _____

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1	05/16/20	CONSTRUCTION	COH
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ENGINEER:
 No. PEDESTAL PROFESSIONAL
 CORBIN C HARRIS
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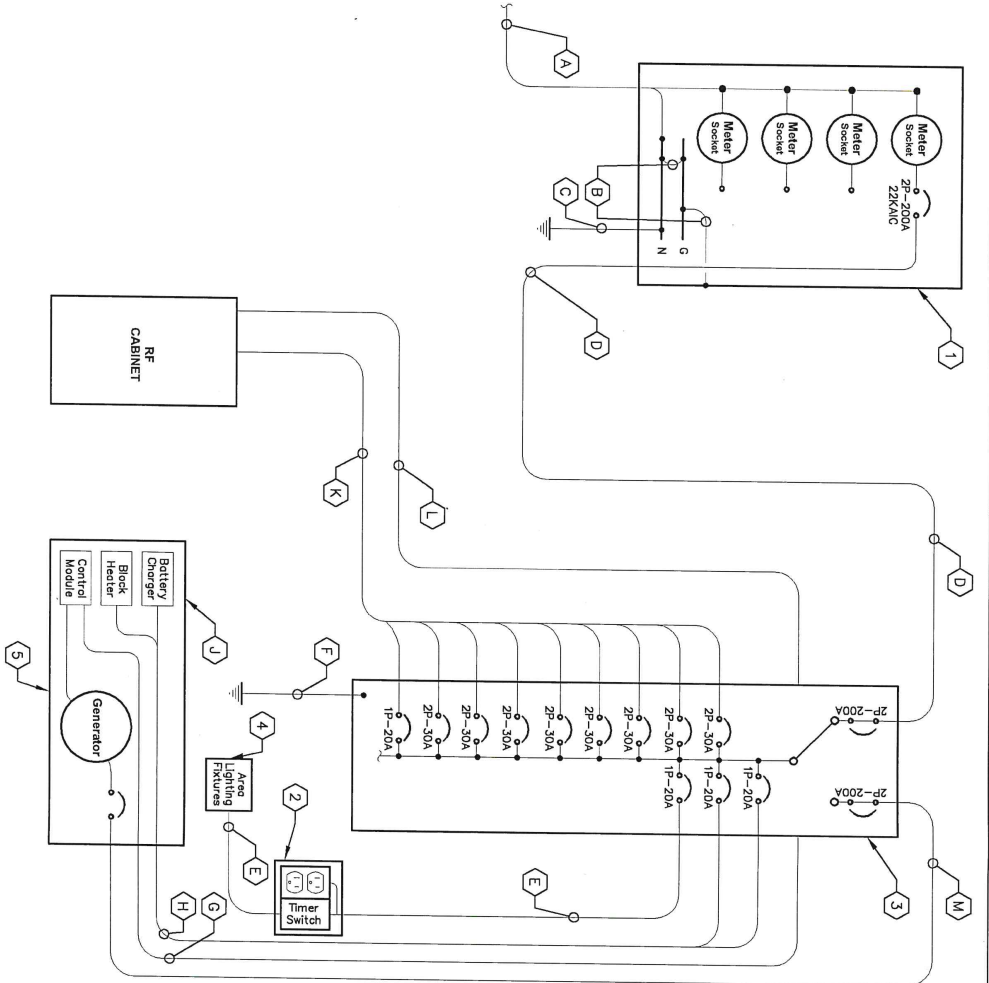
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 METER RACK DETAILS

SHEET NUMBER:
 E4

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REQUIRED SIGNAGE PER NEC 702 AT SERVICE DISCONNECT
 "WARNING: Shock hazard exists if grounding electrode conductor or bonding jumper connection in this equipment is removed while alternate source(s) is energized. Opening the equipment disconnect will cause the standby generator to start. To remove power entirely from the equipment, the generator must be turned Off and the generator circuit breaker must be open."

REQUIRED SIGNAGE PER NEC 702 AT SERVICE DISCONNECT & INTEGRATED LOAD CENTER
 "NOTE: Emergency power is supplied by a standby generator located behind Verizon equipment rack."

1 ELECTRICAL SINGLE LINE DIAGRAM
E5 NOT TO SCALE

KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A TWO (2) 4" CONDUITS BY CONTRACTOR FOR INCOMING SERVICE LATERALS BY LOCAL UTILITY FOR 600 AMP, 120/240 VOLT SINGLE PHASE SERVICE.
- B BOND GROUND BUS TO NEUTRAL BUS AND GROUND BUS TO ENCLOSURE WITH 2/0 BONDING JUMPERS.
- C ONE (1) 2/0 AWG BARE TINNED COPPER GROUNDING ELECTRODE CONDUCTOR (GEC) TO GROUND ROD, EXOTHERMIC WELD GEC TO GROUND ROD.
- D THREE (3) 3/0 CONDUCTORS AND ONE (1) #6 AWG GROUND IN 2" CONDUIT.
- E TWO (2) #12 AWG CONDUCTORS AND ONE (1) #12 AWG GROUND IN 1" CONDUIT.
- F ONE (1) #2 AWG BARE TINNED COPPER GROUND LEAD FROM GROUNDING LUG IN ILC TO GROUND ROD, EXOTHERMIC WELD TO GROUND ROD.
- G AUTOMATIC TRANSFER SWITCH ALARM AND GENERATOR CONTROL CABLES IN 1" CONDUIT.
- H FOUR (4) #12 CONDUCTORS AND ONE (1) #12 AWG GROUND IN 1" CONDUIT.
- J THE GENERATOR, WHEN UTILIZING A TWO POLE ATS WITH A SOLID NEUTRAL, IS NOT A SEPARATELY DERIVED SYSTEM, THEREFORE, DO NOT BOND THE NEUTRAL TO THE GROUND AT THE GENERATOR.
- K SIXTEEN (16) #6 AWG CONDUCTORS AND FOUR (4) #6 EG FOR 30 AMP CIRCUITS, TWO (2) #8 AWG CONDUCTORS AND ONE (1) #8 EG FOR 20 AMP CIRCUIT, ALL IN 2" PVC CONDUIT.
- L ALARM CABLES IN 1" PVC CONDUIT.
- M THREE (3) 2/0 AWG CONDUCTORS AND ONE (1) #6 AWG EG IN 2" CONDUIT. VERIFY GENERATOR BREAKER DOES NOT EXCEED 175 AMPS.

KEY NOTES - ELECTRICAL EQUIPMENT

- 1 FURNISH AND INSTALL 600 AMP, 3-WIRE, SINGLE PHASE, 120/240 VOLT, 22KVA, FOUR-SPACE MULTI-GANG METER CENTER WITH 200 AMP RATED METER SOCKETS IN NEMA 3R ENCLOSURE, SE RATED. CONTRACTOR SHALL FURNISH AND INSTALL 200 AMP CIRCUIT BREAKER AT METER BASE IF NOT ALREADY EXISTING.
- 2 20 AMP GFCI DUPLEX OUTLET RECEPTACLE AND TIMER SWITCH, ENERLITES HEATO SERIES (OR APPROVED EQUIVALENT) IN LOCKABLE NEMA 3R ENCLOSURE.
- 3 200 AMP, 120/240 VOLT, ILC WITH 42 SPACE PANEL AND AUTOMATIC TRANSFER SWITCH. ALL CIRCUIT BREAKERS SHALL BE RATED 10KVA MINIMUM. ILC IS FURNISHED BY VERIZON AND INSTALLED BY GENERAL CONTRACTOR.
- 4 FURNISH AND INSTALL TWO (2) AREA LIGHTS (LITHONIA HFR-250W-1A120-DNA-LP1), (OR APPROVED EQUIVALENT).
- 5 35 KW PROPANE GENERATOR, CONTRACTOR SHALL COORDINATE SPECIFIC GENERATOR CONFIGURATION WITH OWNER AND INSTALL THE GENERATOR IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. GENERATOR BREAKER SIZED AND PROVIDED BY GENERATOR MANUFACTURER.

verizon
 1000 GA ALABAMA ROAD CONECTOR
 ALABAMA, 36826

PROJECT INFORMATION:
 SITE NAME: OLD STATE ROAD
 SITE NO.: 502991
 FLUZE PROJECT#: 155205785
 GOOD HOME CIRCLE
 NATION, GA 31841
 LOMWEE COUNTY

PLANS PREPARED BY:
Kimley-Horn
 11700 AMES PARK, BLDG. 500
 ALBUQUERQUE, NM 87120
 WWW.KH.COM

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0	05/12/20	PRELIMINARY COH	

ENGINEER
COBBIN C HARDY
 PROFESSIONAL
 No. PED0877

CHA PROJECT NUMBER:
 013509094

DRAWN BY: WCE
 CHECKED BY: WCE

SHEET TITLE:
ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER:
E5

PANEL SCHEDULE - VERIZON INTEGRATED LOAD CENTER

Voltage: 240/120 Volts
 Phase, Wires: Single Phase, 3 Wire
 Mounting Type: Surface
 Enclosure Type: NEMA 3R

MCB Size: 200 Amps
 AIC Rating: 10,000 Amps min
 Bus Rating: 200 Amps
 Neutral Rating: 100%

Load Served	Load (kVA)		Circuit Bkr Size	Ckt Nbr	Phase		Ckt Nbr	Circuit Bkr Size	Load (kVA)		Load Served
	A	B			A	B			A	B	
*RECTIFIER 1	2.13	2.13	2P-30	1	→	→	4	1P-20	1.54	1.50	*AREA LIGHTS/GFCI
*RECTIFIER 2	2.13	2.13	2P-30	3	→	→	2	1P-20	0.30	1.50	GEN BLOCK HEATER
*RECTIFIER 3	2.13	2.13	2P-30	5	→	→	6	1P-20	0.30	0.00	GEN BATTERY CHARGER
*RECTIFIER 4	2.13	2.13	2P-30	7	→	→	8	1P-20	0.18	0.00	CAB DUPLEX OUTLET
*RECTIFIER 5	2.13	2.13	2P-30	9	→	→	10	1P-20	0.00	0.00	SPACE
*RECTIFIER 6	2.13	2.13	2P-30	11	→	→	12	1P-20	0.00	0.00	SPACE
*RECTIFIER 7	2.13	2.13	2P-30	13	→	→	14	1P-20	0.00	0.00	SPACE
*RECTIFIER 8	2.13	2.13	2P-30	15	→	→	16	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	17	→	→	18	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	19	→	→	20	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	21	→	→	22	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	23	→	→	24	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	25	→	→	26	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	27	→	→	28	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	29	→	→	30	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	31	→	→	32	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	33	→	→	34	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	35	→	→	36	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	37	→	→	38	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	39	→	→	40	1P-20	0.00	0.00	SPACE
SPACE	0.00	0.00	2P-30	41	→	→	42	1P-20	0.00	0.00	SPACE
Sub-Total (kVA)	12.78	12.78							2.02	1.50	Sub-Total (kVA)

LOAD SUMMARY

Load Description	Connected Load (kVA)	Demand Factor	Demand Load (kVA)	Load Served
RECTIFIERS/EQUIP	12.78	1.00	12.78	12.78
LARGEST MOTOR	0.00	0.00	0.00	0.00
ALL OTHER MOTORS	0.00	0.00	0.00	0.00
LIGHTING	1.54	0.00	1.93	0.00
DUPLEX RECEPTACLES	0.18	0.00	0.23	0.00
TOTAL MISCELLANEOUS	0.30	1.25	0.38	1.88
Total Power per Phase			15.32	14.66
Total Demand Current per Phase			127.67	122.17
Total Demand Power			29.98	KVA
**Generator Load			29.23	KVA

*NOTE: CIRCUIT LOAD AND DEMAND FACTOR PROVIDED BY VERIZON.
 **NOTE: CHARGER LOAD REMOVED AND HEATER LOAD DEMAND FACTOR REDUCED TO 1.00 DURING GENERATOR OPERATION.

1 PANEL SCHEDULE
 E6 NOT TO SCALE

verizon
 100% 240 AMP/120V LOAD CENTER
 100% 240 AMP/120V LOAD CENTER
 100% 240 AMP/120V LOAD CENTER

PROJECT INFORMATION:
 SITE NAME: OLD STATE ROAD
 SITE NO.: 502591
 FUZE PROJECT#: 15525785
 GOOD HOPE CIRCLE
 NAVAJO, GA 31644
 LUMBLEY COUNTY

PLANS PREPARED BY:
Kimley-Horn
 11720 ALBERN PARK DR. SUITE 400
 ALPHARETTA, GA 30009
 404.477.1100
 WWW.KH-CORP.COM

REV: DATE: ISSUED FOR: BY:
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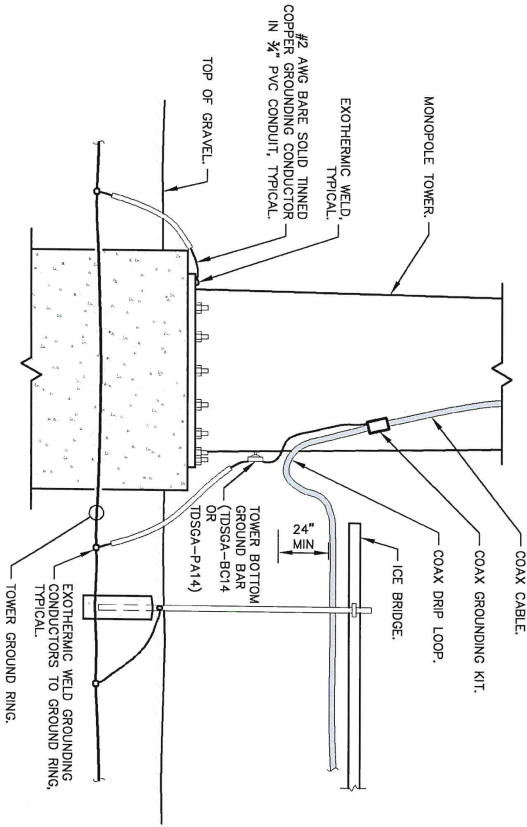
LICENSER:
 05/16/20 CONSTRUCTION COH
 06/12/20 PRELIMINARY COH

Professional Engineer
 No. PE00871
GOBBIN C. HIRDY
 ENGINEER
 6/21/20

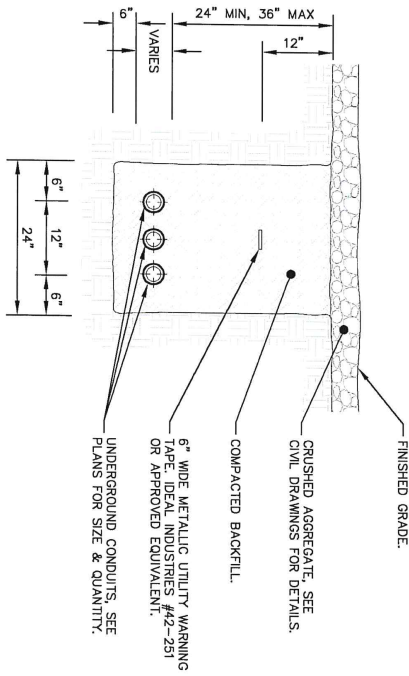
KHA PROJECT NUMBER:
 013509094
 DRAWN BY: WCE
 CHECKED BY: WCE

SHEET TITLE:
PANEL SCHEDULE
 SHEET NUMBER:
E6

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1 DRIP LOOP DETAIL
E7 NOT TO SCALE



2 TYPICAL TRENCH DETAIL
E7 NOT TO SCALE

- NOTES:
1. GROUND SURFACE IS OTHER THAN NEWLY GRAVELED AREA. CONTRACTOR IS TO RESTORE TO ORIGINAL CONDITION.
 2. PROVIDE PVC CONDUIT BELOW GRADE EXCEPT AS NOTED BELOW.
 3. PROVIDE SCHEDULE 40 OR SCHEDULE 80 PVC CONDUIT & ELBOWS AT STUB UP LOCATIONS (I.E. POLES, EQUIPMENT, ETC.)
 4. PROVIDE SCHEDULE 80 PVC CONDUIT BELOW PARKING LOTS AND ROADWAYS.

verizon
1000 OLD STATE ROAD
ANN ARBOR, MI 48106

PROJECT INFORMATION:
SITE NAME: OLD STATE ROAD
SITE NO.: 502591
FUZE PROJECT#: 15525785
6000 HOPE ARCHE
NANTON, CA 93541
LOANES COUNTY

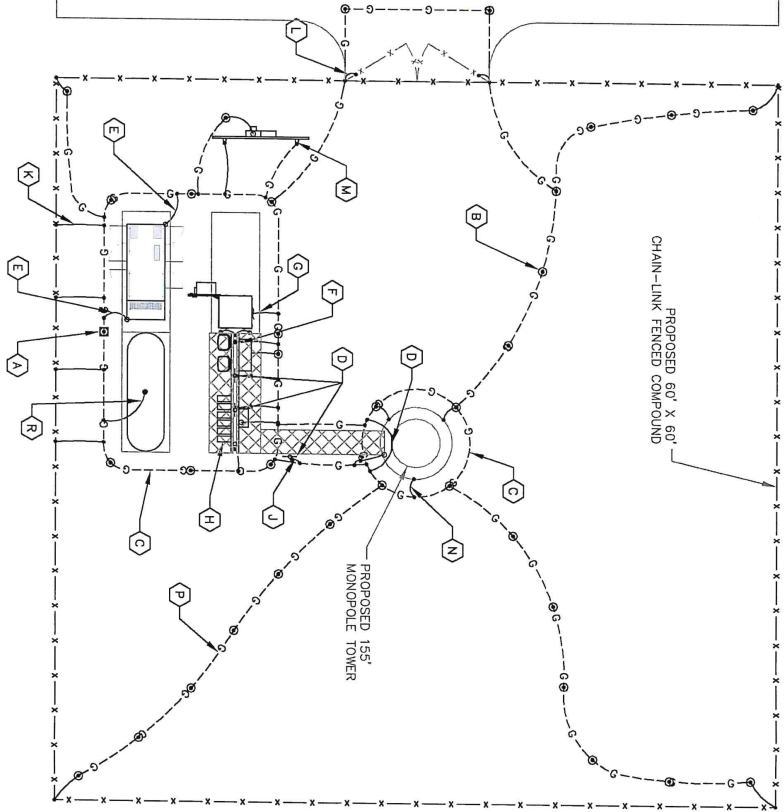
PLANS PREPARED BY:
Kimley-Horn
11720 AMBER PARK DR., SUITE 600
ALPHARETTA, GA 30009
WWW.KH-CORP.COM

REV	DATE	ISSUED FOR	BY
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2			
1	05/16/20	CONSTRUCTION	CCH
A	05/12/20	PRELIMINARY	CCH

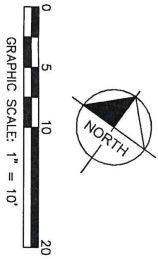
LICENSER:
N.C. PERMIT PROFESSIONAL ENGINEER
CORBIN CHERRY
1/12/20

KHA PROJECT NUMBER:
013509094
DRAWN BY: WCE
CHECKED BY: WCE
SHEET TITLE: ELECTRICAL DETAILS
SHEET NUMBER: E7

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1 GROUNDING PLAN
E9 SCALE: 1" = 10'



KEY NOTES - GROUNDING EQUIPMENT

- (A) GROUND ROD TEST WELL (SEE DETAIL 1/E11).
- (B) GROUND ROD, TYPICAL (SEE DETAIL 2/E11 AND NOTES 2 AND 3 ON EB).
- (C) TOWER AND EQUIPMENT GROUND RING (SEE NOTES 1, 3, 4, 5, 6 AND 7 ON EB).
- (D) TDSGA-P144 OR TDSGA-BC14 WHERE APPLICABLE (SEE NOTES 10 AND 11 ON EB).
- (E) GENERATOR GROUNDING (SEE NOTE 16 ON EB).
- (F) GPS ANTENNA GROUNDING (SEE NOTE 18 ON EB).
- (G) RF CABINET GROUNDING (SEE NOTE 14 ON EB).
- (H) RRU'S AND OVP'S GROUNDING (SEE NOTE 23 ON EB).
- (J) ICE BRIDGE POST BOND TO GROUND RING, TYPICAL (SEE NOTES 12 AND 13 ON EB).
- (K) FENCE POST GROUNDING, TYPICAL (SEE NOTE 22 ON EB).
- (L) GATE GROUNDING, TYPICAL (SEE NOTES 19, 20 & 21 ON EB).
- (M) UTILITY H-FRAME GROUNDING, TYPICAL (SEE SHEET E4 AND NOTE 13 ON EB).
- (N) TOWER GROUNDING, TYPICAL (SEE NOTES 5, 6 & 25 ON EB).
- (P) GROUND RADIALS, TYPICAL (SEE NOTE 6 ON EB).
- (Q) REFER TO SHEETS EB, E10, E11 & E12 FOR GROUNDING NOTES, DETAILS, AND SPECIFICATIONS.
- (R) PROPANE TANK GROUNDING, IF INSTALLED (SEE NOTE 17 ON EB).

LEGEND:

- G --- GROUND RING
- G --- GROUND ROD EXOTHERMICALLY WELDED TO GROUND RING
- EXOTHERMIC WELD
- ⊙ GROUND ROD TEST WELL (SEE DETAIL 1/E11)
- ⊕ MECHANICAL CONNECTION

verizon
1000 OLD ALABAMA ROAD CONNECTION
ALPHARETTA, GEORGIA 30202

PROJECT INFORMATION:
SITE NAME:
OLD STATE ROAD
SITE NO.: 502591
FUZE PROJECT#: 15525785
6000 HORN CIRCLE
LONDONDERRY, GEORGIA
PLANS PREPARED BY:

Kimley-Horn
11720 ALBERT PARK DRIVE, SUITE 800
PHONES: 770-638-4000
WWW.KIMLEY-HORN.COM

REV. DATE ISSUED FOR BY:

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3		
2		
1	06/16/20	CONSTRUCTION COH
A	06/12/20	PRELIMINARY COH

DESIGNED BY: **SEAN R. HORN**
CHECKED BY: **ANDREW J. HORN**
DATE: **6/12/20**
COMBIN C HARDY
REGISTERED PROFESSIONAL ENGINEER
NO. 164657
STATE OF GEORGIA

KHA PROJECT NUMBER:
015359094
DRAWN BY: _____ CHECKED BY: _____
TDM WCE
SHEET TITLE:
GROUNDING PLAN

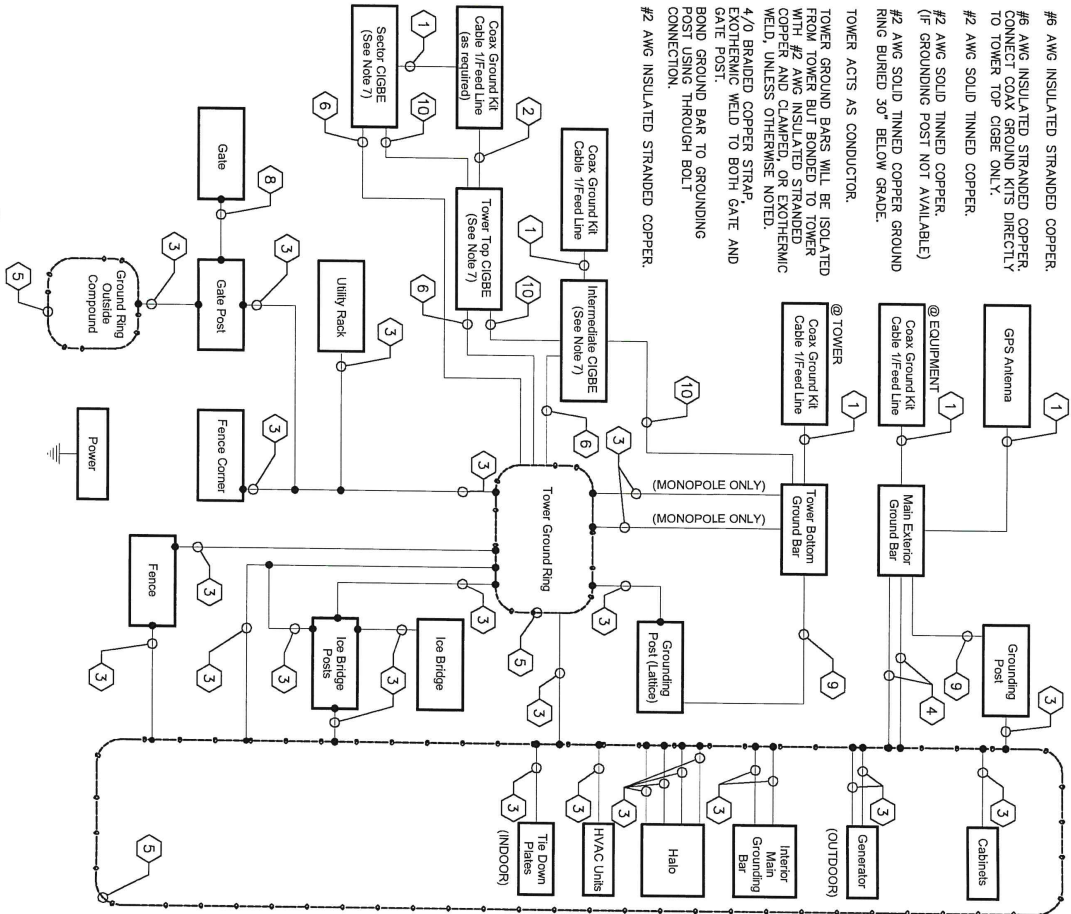
SHEET NUMBER:
E9

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KEY NOTES - ELECTRICAL EQUIPMENT

- 1 #6 AWG INSULATED STRANDED COPPER.
- 2 #6 AWG INSULATED STRANDED COPPER. CONNECT COAX GROUND KITS DIRECTLY TO TOWER TOP CIGBE ONLY.
- 3 #2 AWG SOLID TINNED COPPER.
- 4 #2 AWG SOLID TINNED COPPER. (IF GROUNDING POST NOT AVAILABLE)
- 5 #2 AWG SOLID TINNED COPPER GROUND RING BURIED 30" BELOW GRADE.
- 6 TOWER ACTS AS CONDUCTOR.
- 7 TOWER GROUND BARS WILL BE ISOLATED FROM TOWER BUT MOUNTED TO TOWER WITH #2 AWG INSULATED STRANDED COPPER AND CLAMPED, OR EXOTHERMIC WELD, UNLESS OTHERWISE NOTED.
- 8 4:0 BRAIDED COPPER STRAP EXOTHERMIC WELD TO BOTH GATE AND GATE POST.
- 9 BOND GROUND BAR TO GROUNDING POST USING THROUGH BOLT CONNECTION.
- 10 #2 AWG INSULATED STRANDED COPPER.

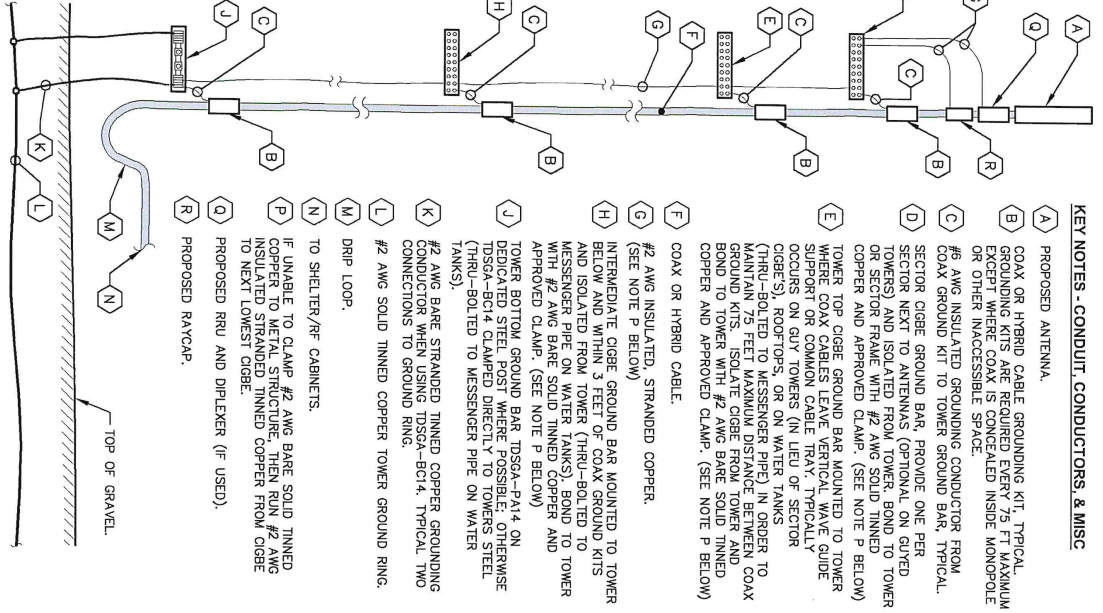
1 GROUNDING SINGLE LINE DIAGRAM
E10 NOT TO SCALE



KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A PROPOSED ANTENNA.
- B COAX OR HYBRID CABLE GROUNDING KIT. TYPICAL GROUNDING KITS ARE REQUIRED EVERY 75 FT MAXIMUM EXCEPT WHERE COAX IS CONCEALED INSIDE MONOPOLE OR OTHER INACCESSIBLE SPACE.
- C #6 AWG INSULATED GROUNDING CONDUCTOR FROM COAX GROUND KIT TO TOWER GROUND BAR.
- D SECTOR CIGBE GROUND BAR. PROVIDE ONE PER TOWER. NEXT TO ANTENNAS (OPTIONAL ON GATED TOWERS) AND ISOLATED FROM TOWER. BOND TO TOWER TOP CIGBE WITH #2 AWG INSULATED TINNED COPPER AND APPROVED CLAMP. (SEE NOTE P BELOW)
- E TOWER TOP CIGBE GROUND BAR MOUNTED TO TOWER WHERE COAX CABLES LEAVE VERTICAL WAVE GUIDE STRUCTURE OR COMMON CABLE TRAY. TYPICALLY COAXES, ROOPTOPS, OR ON LISTS OF ACCESSORY (THRU-BOLTED TO MESSANGER PIPE) IN ORDER TO MAINTAIN 75 FEET MAXIMUM DISTANCE BETWEEN COAX GROUND KITS. ISOLATE CIGBE FROM TOWER AND BOND TO TOWER WITH #2 AWG BARE SOLID TINNED COPPER AND APPROVED CLAMP. (SEE NOTE P BELOW)
- F COAX OR HYBRID CABLE.
- G #2 AWG INSULATED, STRANDED COPPER. (SEE NOTE P BELOW)
- H INTERMEDIATE CIGBE GROUND BAR MOUNTED TO TOWER BELOW AND WITHIN 3 FEET OF COAX GROUND KITS AND ISOLATED FROM TOWER (THRU-BOLTED TO MESSANGER PIPE ON WATER TANKS). BOND TO TOWER WITH #2 AWG BARE SOLID TINNED COPPER AND APPROVED CLAMP. (SEE NOTE P BELOW)
- I TOWER BOTTOM GROUND BAR. TDSGA-P14 ON DEDICATED STEEL POST WHERE POSSIBLE. OTHERWISE TDSGA-BC14 CLAMPED DIRECTLY TO TOWERS STEEL (THRU-BOLTED TO MESSANGER PIPE ON WATER TANKS).
- J #2 AWG BARE STRANDED TINNED COPPER GROUNDING CONDUCTOR WHEN USING TDSGA-BC14. TYPICAL TWO CONNECTIONS TO GROUND RING.
- K #2 AWG SOLID TINNED COPPER TOWER GROUND RING.
- L Drip Loop.
- M TO SHELTER/RF CABINETS.
- N IF UNABLE TO CLAMP #2 AWG BARE SOLID TINNED COPPER TO METAL STRUCTURE, THEN RUN #2 AWG INSULATED STRANDED TINNED COPPER FROM CIGBE TO NEXT LOWEST CIGBE.
- O PROPOSED RRU AND DIPLEXER (IF USED).
- P PROPOSED RAYCAP.

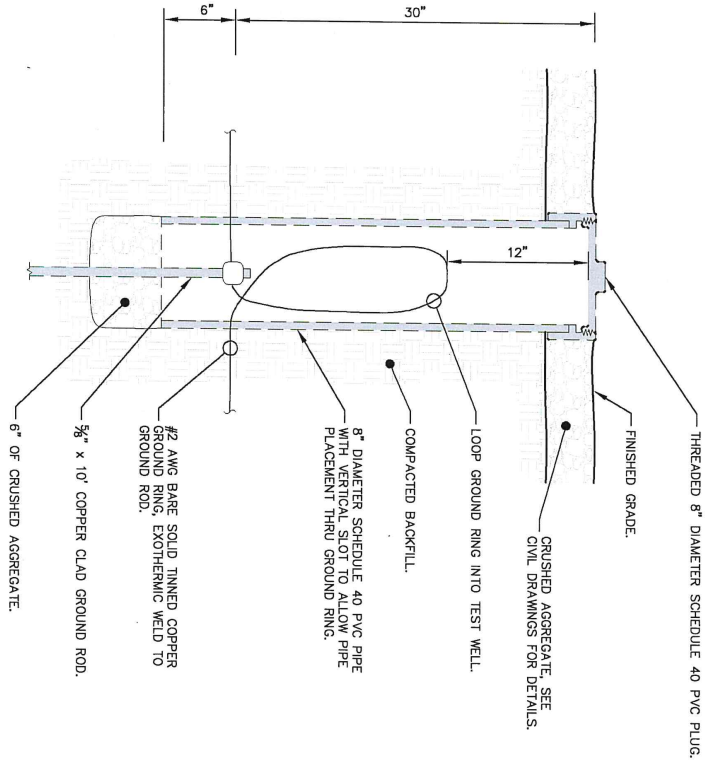
2 COAX-TOWER GROUNDING SCHEMATIC
E10 NOT TO SCALE



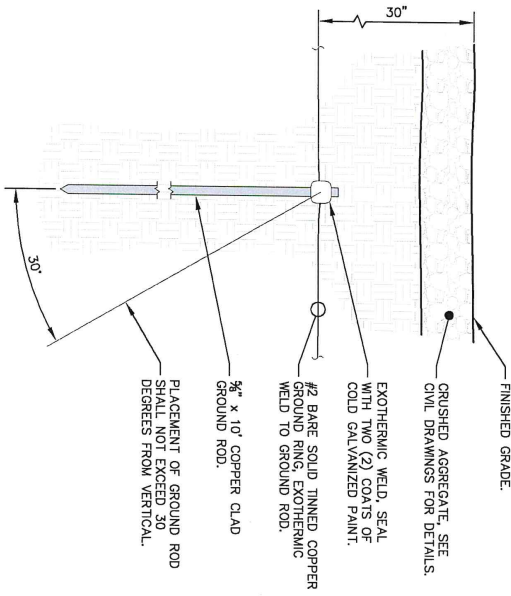
<p>11720 AMERS PARK DRIVE, SUITE 600 ALPHARETTA, GA 30009 www.verizon.com</p>		<p>Kimley-Horn</p> <p>11720 AMERS PARK DRIVE, SUITE 600 ALPHARETTA, GA 30009 www.kimley-horn.com</p>	
<p>PROJECT INFORMATION:</p> <p>SITE NAME: OLD STATE ROAD SITE NO.: 502901 FUZE PROJECT#: 15525785 6000 HOPE CIRCLE NAYLOR, GA 31661 LOWMEYER COUNTY</p>		<p>PLANS PREPARED BY:</p> <p>DATE: 05/12/20</p>	
<p>SHA PROJECT NUMBER: 013509094</p> <p>DRAWN BY: WCE CHECKED BY: WCE</p>		<p>ENGINEER: CORBIN C HARVEY N.C. REG. # 31171 PROFESSIONAL ENGINEER</p>	
<p>SHEET TITLE: GROUNDING SINGLE LINE DIAGRAM</p>		<p>NEW DATE: ISSUED FOR: BY: _____</p> <p>7 6 5 4 3 2 1</p> <p>0 05/16/20 CONSTRUCTION CCH 1 05/12/20 PRELIMINARY CCH</p>	
<p>SHEET NUMBER: E10</p>		<p>Copyright © Kimley-Horn and Associates, Inc., 2020</p>	

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1 GROUND ROD TEST WELL DETAIL
E11 NOT TO SCALE



2 GROUND ROD INSTALLATION DETAIL
E11 NOT TO SCALE



1000 OLD ALPHAREA ROAD
ALPHARETTA, GA 30009
WWW.VERIZON.COM

PROJECT INFORMATION:

SITE NAME:
OLD STATE ROAD
SITE No.: 502591
FUZE PROJECT#: 15525785
GOOD HOPE CIRCLE
NATLON, GA 31641
LIMMUS COUNTY

PLANS PREPARED BY:

Kimley-Horn

11720 AMBER PARK DRIVE, SUITE 600
ALPHARETTA, GA 30029
WWW.KH-CORP.COM

REV: DATE: ISSUED FOR: BY:

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0	06/12/20	PRELIMINARY	CCH

LICENSEE:

KHA PROJECT NUMBER:

013509094

DRAWN BY: CHECKED BY:

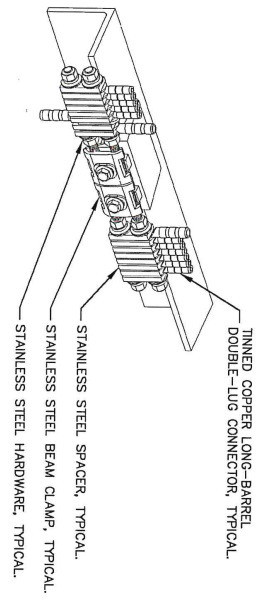
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SHEET TITLE:

GROUNDING
DETAILS

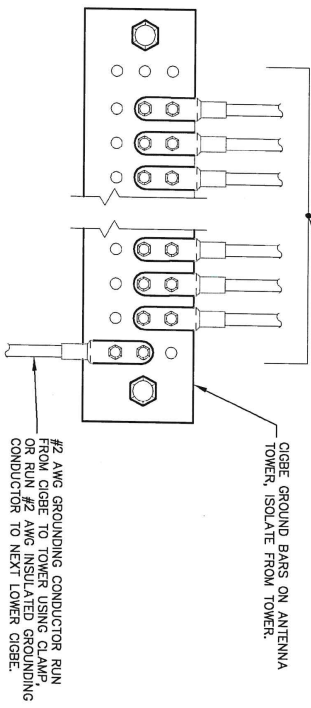
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E11



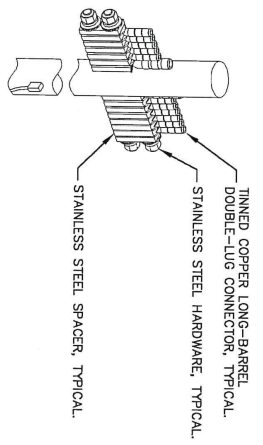
1 BAR NONE GROUNDED BEAM CLAMP (TDSSGA-BC14)
E12 NOT TO SCALE

#6 AWG INCOMING GROUNDING CONDUCTORS FROM COAX GROUNDING KITS. (FOR TOWER TOP CIGBE'S OCCURS ONLY ON GUYED TOWERS, OR ON OTHER STRUCTURES WHERE REQUIRED TO MAINTAIN MAXIMUM DISTANCE BETWEEN COAX GROUNDING LOCATIONS.)

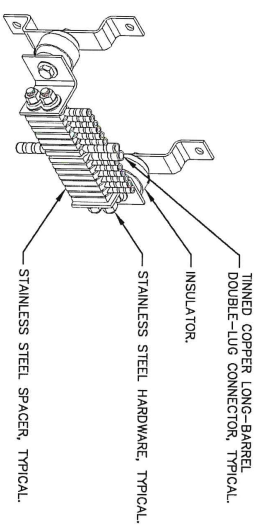


3 ANTENNA GROUND WIRE INSTALLATION DETAIL
E12 NOT TO SCALE

- NOTES:
1. ALL CIGBE GROUND BARS ON TOWER ARE TO BE ERICO TDSSGA, TYPICALLY USE TDSSGA-WB17 ISOLATED FROM UNISTRUT BRACKET.
 2. IF CIGBE CANNOT BE CONNECTED TO TOWER WITH #2 AWG GROUNDING CONDUCTOR, VIA CLAMP OR EXOTHERMIC WELD, THEN RUN #2 AWG BLACK GROUND LEAD FROM CIGBE DOWN TO NEXT LOWER CIGBE. SECURE GROUND LEAD WITH NON-METALLIC TIES AT SAME SPACING AS COAX SUPPORTS.



2 BAR NONE POST MOUNTED (TDSSGA-PA14)
E12 NOT TO SCALE



4 BAR NONE INSULATED (TDSSGA-WB17)
E12 NOT TO SCALE

verizon
1000 OLD ALABAMA ROAD
ALABAMA, GEORGIA 30022

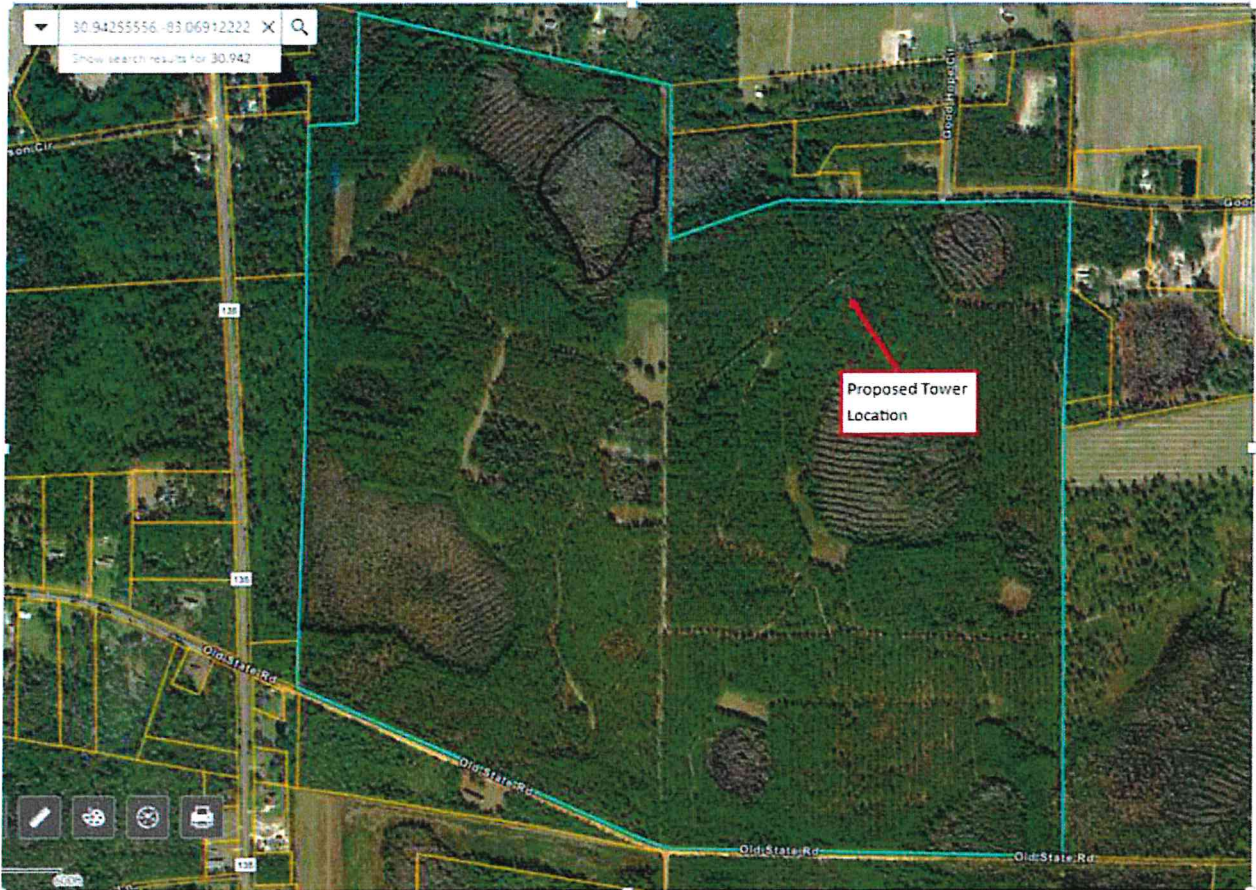
PROJECT INFORMATION:
SITE NAME:
OLD STATE ROAD
SITE NO.: 502591
FLUZE PROJECT#: 15925785
6000 HOPE CIRCLE
LAWRENCE, GA 30244

PLANS PREPARED BY:
Kimley-Horn
11720 AMBER PARK DR. S. SUITE 400
FREDERICK, MD 21704
PHONE: 770-518-4300
WWW.KIMLEY-HORN.COM

REV.	DATE	ISSUED FOR	BY
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1	05/16/20	CONSTRUCTION	COH
A	05/12/20	PRELIMINARY	COH

LICENSED PROFESSIONAL ENGINEER
No. PE000578
C. HARDY
L/12/20

KHA PROJECT NUMBER:
013509094
DRAWN BY: TDM
CHECKED BY: WCE
SHEET TITLE:
GROUNDING DETAILS
SHEET NUMBER:
E12



NEED FOR THE SITE

The site is intended to provide coverage to the area. The enclosed maps from Verizon's RF engineer show significant gaps (red area) in Verizon's existing coverage and demonstrate how the site will help to fill those gaps and improve access to emergency services.

SITE SELECTION SUMMARY

In looking to place antennas in this area, we first looked for existing structures as colocation opportunities. Verizon prefers to colocate whenever possible, and generally only proposes new towers as a last resort. In this case, there were no opportunities for colocation. There are no buildings of any size, and the closest existing tower is 3.5 miles to the southeast. On the next page is a map showing the location of our proposed site in relation to the closest existing surrounding towers. None of them are near the search area or capable of providing the needed coverage as shown in the enclosed coverage maps.

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: Adoption of Millage Rate

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT:

FUNDING SOURCE:

Annual

Capital

N/A

SPLOST

TSPLOST

COUNTY ACTION REQUESTED ON: Adoption of Millage Rate

HISTORY, FACTS AND ISSUES: The Board of Commissioners is required to set the county-wide millage rate for 2020. A public hearing was held prior to this adoption as required. The county-wide millage should be set at 10.851 mills with the County receiving 8.601 mills, the Industrial Authority receiving 1.00 mill and the Parks and Recreation Authority receiving 1.25 mills. This represents a reduction of 0.087 mills.

OPTIONS: 1. Adoption of the county-wide millage rate of 10.851 mills

RECOMMENDED ACTION: Adopt

DEPARTMENT: Finance

DEPARTMENT HEAD: Stephanie Black

ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

LOWNDES COUNTY BOARD OF COMMISSIONERS
COMMISSION AGENDA ITEM

SUBJECT: Ridgecrest, Woodland and Glenview Paving & Drainage Project

Work Session/Regular Session

DATE OF MEETING: August 11, 2020

BUDGET IMPACT: \$899,744.40

FUNDING SOURCE:

- Annual
- Capital
- N/A
- SPLOST
- TSPLOST

COUNTY ACTION REQUESTED ON: Ridgecrest, Woodland and Glenview Paving & Drainage Project

HISTORY, FACTS AND ISSUES: Lowndes County solicited bids for Ridgecrest, Woodland and Glenview Grading, Drainage, Base and Paving. The project will consist of Grading, Drainage, Base and Paving of Ridgecrest and Woodland and the installation of a box culvert under Glenview Drive. Vendors present for the pre-bid meeting held on July 21, 2020, were James Warren & Associates, Southland Contractors, Reames & Son Construction, Rountree Construction, and The Scruggs Company. Three bids were received on August 4, 2020.

See attached Bid Tabulation Sheet

OPTIONS: 1. Accept bid proposal and authorize execution of contract documents to Reames & Son Construction.

2. Board's Pleasure.

RECOMMENDED ACTION: Approve

DEPARTMENT: Engineering

DEPARTMENT HEAD: Mike Fletcher

ADMINISTRATIVE COMMENTS AND RECOMMENDATIONS:

NC-T1A 2019-04: Ridgecrest Street and Woodland Drive

Bid Opening

August 4, 2020

Tabulations

Bidder	Bid Bond	Bid Amount
Reames and Son Construction	✓	\$ 899,744.40
Roundtree	✓	\$ 1,238,690.05 ^{sw}
Southland Contractors		N/A
James Warren and Associates		N/A
The Scruggs Company	✓	\$ 947,429.59