

SUMMARY OF APPLICATIONS

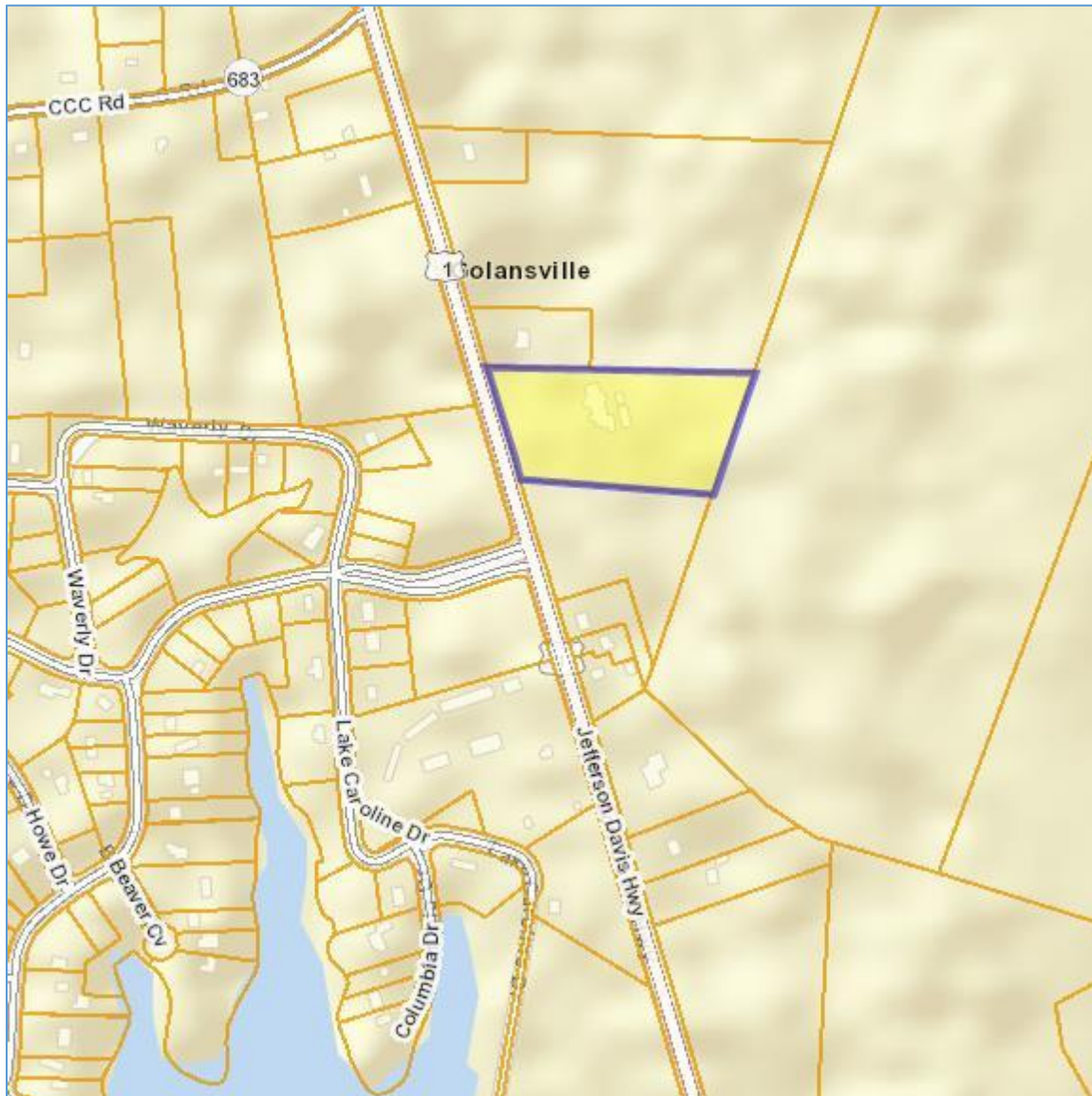
SITE PLAN

Public Hearing Not Required

Case SP-05-2019: Verizon Wireless – Lake Caroline Cell Tower

Tax Map #67-3-4B, 19443 Jefferson Davis Highway (Vision Baptist Church)
Mattaponi Voting District.

The Applicant has submitted for approval, the site plan for a 190' monopole cell tower and associated ground mounted equipment. The Board of Supervisors granted a special exception permit to Verizon Wireless for the tower at the March 12, 2019 meeting.





LAKE CAROLINE

19443 JEFFERSON DAVIS HIGHWAY

RUTHER GLEN, VA 22546

EMERGENCY INFO:

JURISDICTION:
CAROLINE COUNTY
LOCAL FIRE AND RESCUE:
804.633.9831
LOCAL POLICE:
804.633.5400

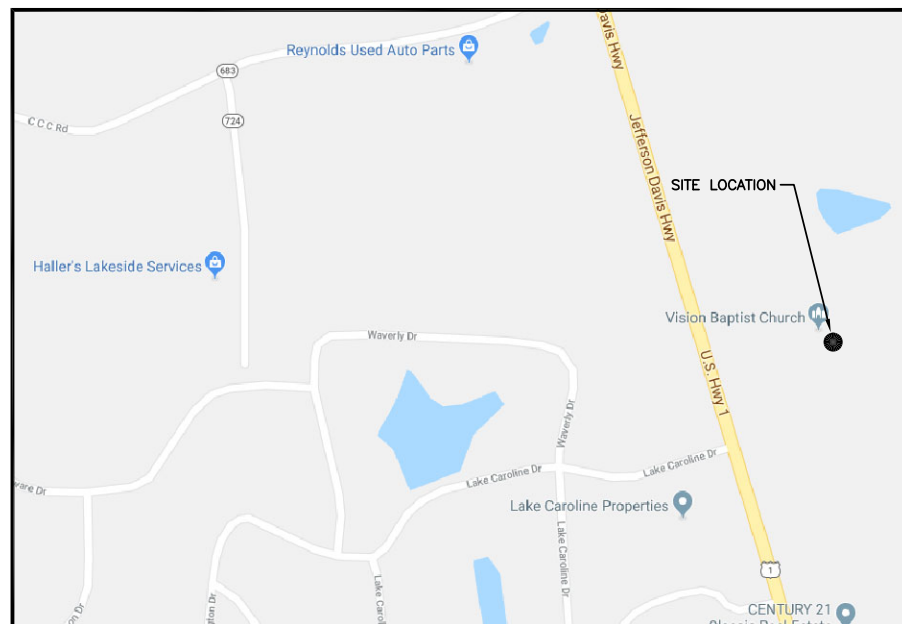


2 WORKING DAYS
BEFORE YOU DIG
811
TOLL FREE
MISS UTILITY

DIRECTIONS FROM SHOCKOE SWITCH (1831 RADY CT., RICHMOND, VA 23222):

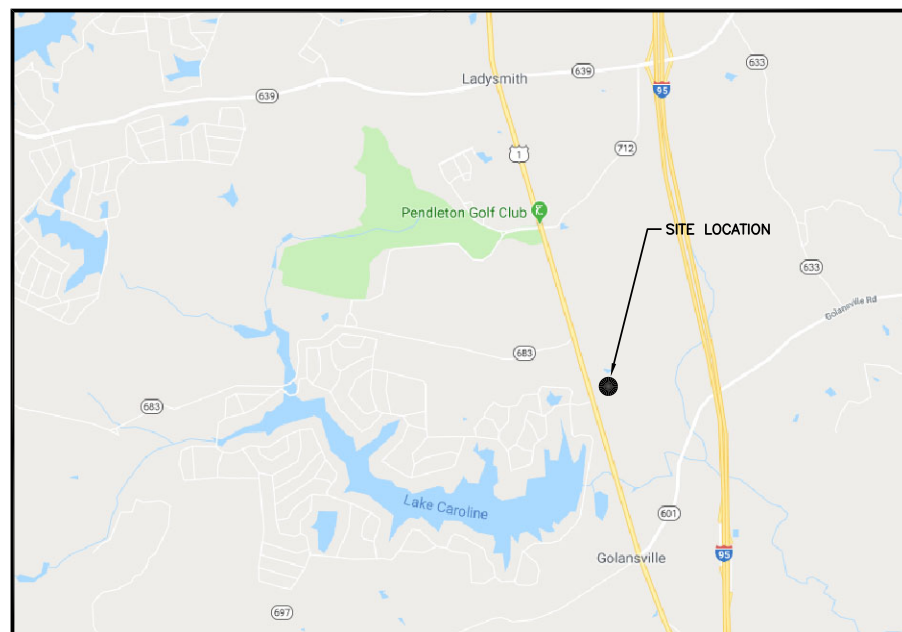
TURN LEFT ONTO RADY ST. 0.2 MILES TURN LEFT ONTO MAGNOLIA ST. 0.6 MILES TURN RIGHT ONTO MECHANICSVILLE TURNPIKE. TAKE RAMP ONTO I-64 W. 1.2 MILES KEEP RIGHT TO STAY ON I-64 W. 3.5 MILES KEEP LEFT AT THE FORK TO CONTINUE ON I-95 N. 25.4 MILES TAKE EXIT 104 FOR VA-207. 0.2 MILES KEEP LEFT AT THE FORK TOWARD CARMEL CHURCH. TURN LEFT ONTO VA-207 W. 0.7 MILES TURN RIGHT ONTO US-1 N JEFFERSON DAVIS HWY. 4.6 MILES DESTINATION WILL BE ON THE RIGHT.

DIRECTIONS



LOCAL MAP

N.T.S.



VICINITY MAP

N.T.S.



E911 ADDRESS YES NO

PROJECT DESCRIPTION

THE SITE WILL CONSIST OF OF A NEW 80'x80' LEASE AREA AND A 60'x60' FENCED COMPOUND. LOCATED WITHIN THE FENCED COMPOUND WILL BE A NEW 195' MONOPOLE, EQUIPMENT, GENERATOR AND H-FRAME.

UTILITIES INFO:

POWER: RAPPAHANOCK
ELECTRIC
540.898.8500
TELEPHONE: VERIZON
877.299.9627

PROJECT DESCRIPTION:

THE SITE WILL CONSIST OF OF A NEW 100'x100' LEASE AREA AND AN 50'x50' FENCED COMPOUND. LOCATED WITHIN THE FENCED COMPOUND WILL BE A NEW 195' MONOPOLE, EQUIPMENT, GENERATOR, AND H-FRAME.

PROJECT TEAM

REAL ESTATE: SAMANTHA JETER	PHONE NUMBER: 804.837.5584
ZONING: DAVID BENIAMINO	PHONE NUMBER: 540.878.3570
CONSTRUCTION: BOBBY THOMAS	PHONE NUMBER: 804.363.8647
UTILITIES: RICK GLISSON	PHONE NUMBER: 804.658.6871
ENVIRONMENTAL CONSULTANT: ANDREW HENDRICKS	PHONE NUMBER: 703.478.0055

REV. NO.	DESCRIPTION	BY	DATE	REV. NO.	DESCRIPTION	BY	DATE
0	FOR CONSTRUCTION	HGS	05/13/19				

A & E CONSULTING TEAM

ARCHITECTURE AND ENGINEERING:
DEWBERRY ENGINEERS INC.
4805 LAKE BROOK DRIVE, SUITE 200
GLEN ALLEN, VA 23060
PHONE # 804.205.3337
CONTACT: DEREK MARSHALL, PE, LEED AP

SITE PLAN INFORMATION:
EXISTING BUILDING SQUARE FOOTAGE: ±10,254
PROPOSED BUILDING SQUARE FOOTAGE: 0
PARKING REQUIRED: 0
PARKING PROVIDED: 0
LOADING SPACES REQUIRED: 1
LOADING SPACES PROVIDED: 1
OVERLAY DISTRICTS: HIGHWAY CORRIDOR
CBPA DESIGNATION & SOURCE: NONE - COUNTY GIS
MAXIMUM BUILDING HEIGHT (<35'): N/A
ARMY CORPS OF ENGINEERS PERMIT: N/A
DEPARTMENT OF ENVIRONMENTAL QUALITY PERMIT: N/A

NOTE: ANY AND ALL ASPHALT, CONCRETE, OR OTHER DRIVING SURFACES, WHERE NEW OR REPLACED MUST BE ABLE TO SUPPORT A TOTAL IMPOSED LOAD OF FIRE APPARATUS WEIGHING AT LEAST 75,000 POUNDS. AN ENGINEER'S CERTIFICATION SHALL BE SUBMITTED TO CAROLINE COUNTY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE GOVERNING AUTHORITIES.

- 2012 INTERNATIONAL BUILDING CODE (IBC)
- 2011 NATIONAL ELECTRIC CODE (NEC)
- 2018 NFPA 101, LIFE SAFETY CODE
- MANUAL OF STEEL CONSTRUCTION, 15th EDITION
- AMERICAN CONCRETE INSTITUTE
- ANSI/TIA-222-H
- ANTENNA SUPPORTING STRUCTURES AND ANTENNAS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE IBC 2012 SECTION 1609 WIND LOADS, EXCEPTION #5 REFERENCING TIA-222

PROJECT SUMMARY

PROPERTY OWNER:
VISION BAPTIST CHURCH
OF LADYSMITH
PO BOX 96
LADYSMITH, VA 22501

PROJECT INFO:
CANDIDATE NAME: LAKE CAROLINE

APPLICANT INFO:
VERIZON WIRELESS
1831 RADY COURT
RICHMOND, VA 23222
CONTACT: MARC CORNELL
PHONE: 804.218.5462

PROJECT DATA:
ZONING: B1
LAND USE: CHURCH
TAX MAP: 67-3-4B
ACREAGE: 7.00
JURISDICTION: CAROLINE COUNTY
VOTING DISTRICT: WESTERN MATTAPONI PRECINCT
SITE TYPE: RAWLAND
TOWER TYPE: MONOPOLE
TOWER HEIGHT: 195'
OVERALL HEIGHT: 199'
LEASE AREA: 6,400 SF
AREA OF DISTURBANCE: 22,095 SF
CENTER OF PROPOSED TOWER*:
LATITUDE: 37° 59' 37.33" N
LONGITUDE: 77° 30' 13.36" W
ELEVATION: 219' AMSL
*PER 2C LETTER BY DEWBERRY DATED 05/02/18

THIS DOCUMENT WAS DEVELOPED TO REFLECT A SPECIFIC SITE AND ITS SITE CONDITIONS AND IS NOT TO BE USED FOR ANOTHER SITE OR WHEN OTHER CONDITIONS PERTAIN. REUSE OF THIS DOCUMENT IS AT THE SOLE RISK OF THE USER.

A.D.A. COMPLIANCE:
FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION.

SIGNATURE BLOCK

DEPARTMENT OF PLANNING & COMMUNITY DEVELOPMENT:

SIGNATURE _____ DATE _____

DEPARTMENT OF UTILITIES:

SIGNATURE _____ DATE _____

VIRGINIA DEPARTMENT OF TRANSPORTATION:

SIGNATURE _____ DATE _____

CAROLINE COUNTY BUILDING OFFICIAL:

SIGNATURE _____ DATE _____



VERIZON WIRELESS
1831 RADY COURT
RICHMOND, VA 23222

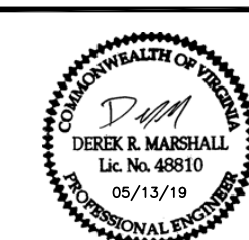
LAKE CAROLINE

CONSTRUCTION DRAWINGS

0 05/13/19 FOR CONSTRUCTION



Dewberry Engineers Inc.
4805 Lake Brook Drive, Suite 200
Glen Allen, VA 23060
Phone: 804.290.7957
Fax: 804.290.7928
www.dewberry.com



INDEX OF DRAWINGS

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C-8	EQUIPMENT MOUNTING DETAILS
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E-3	GROUNDING DETAILS

DRAWN BY: ACO

REVIEWED BY: BAR

CHECKED BY: DRM

PROJECT NUMBER: 50095454

SITE ADDRESS:

19443 JEFFERSON DAVIS HIGHWAY
RUTHER GLEN, VA 22546

SHEET TITLE

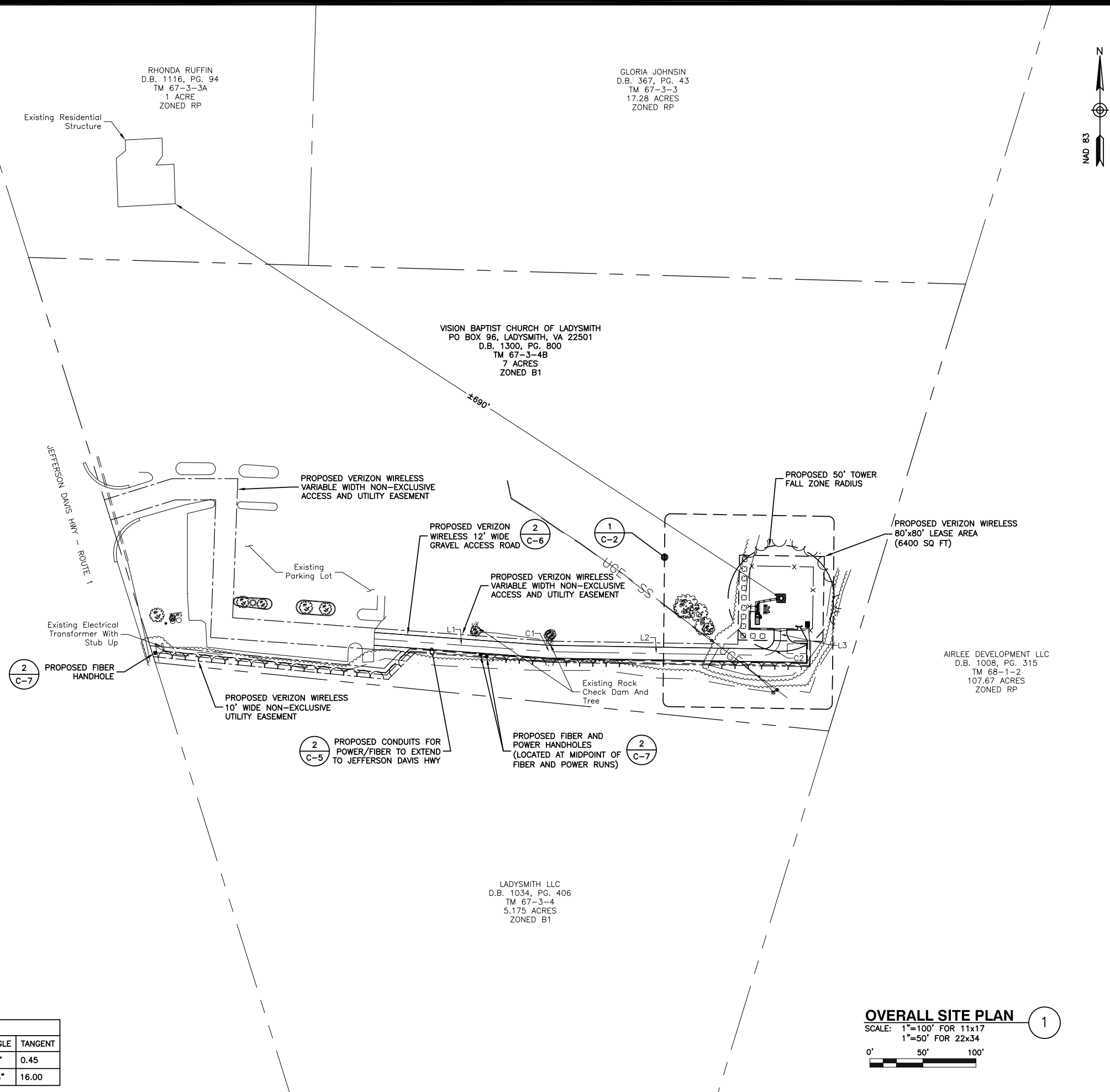
TITLE SHEET

SHEET NUMBER

T-1

LEGEND	
---	Existing Property Line (Approx.)
---	Existing Roadway
-x-x-	Existing Fence
---	Existing Access/Utility Easement
-x-x-	PROPOSED FENCE
---	PROPOSED ACCESS/UTILITY EASEMENT
---	PROPOSED LEASE AREA
---	PROPOSED UNDERGROUND CONDUIT
---	LOCUS PROPERTY LINE

- NOTES:**
- SOME EXISTING & PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 - PROPOSED TOWER LOCATION, ACCESS AND EXISTING FEATURES ARE APPROXIMATE. FINAL LOCATION WILL BE VERIFIED WITH FIELD SURVEY AND PER LAND OWNER.
 - MONOPOLE AND FOUNDATION DESIGN BY OTHERS.



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S85° 47' 27"E	164.84'
L2	S89° 02' 53"E	201.33'
L3	N00° 56' 44"E	8.03'

CURVE TABLE						
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	16.00'	0.91'	0.91'	S87°25'10"E	3°15'26"	0.45
C2	16.00'	25.13'	22.63'	N45°57'07"E	89°59'23"	16.00

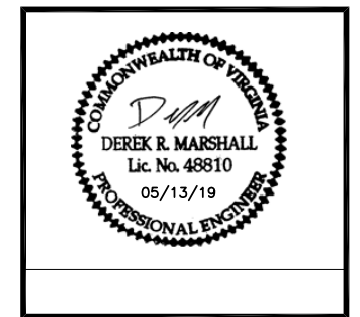
OVERALL SITE PLAN ①
 SCALE: 1"=100' FOR 11x17
 1"=50' FOR 22x34
 0' 50' 100'

verizon
 VERIZON WIRELESS
 1831 RADY COURT
 RICHMOND, VA 23222

LAKE CAROLINE

CONSTRUCTION DRAWINGS		
NO.	DATE	DESCRIPTION
0	05/13/19	FOR CONSTRUCTION

Dewberry
 Dewberry Engineers Inc.
 4805 Lake Brook Drive, Suite 200
 Glen Allen, VA 23060
 Phone: 804.290.7957
 Fax: 804.290.7928
 www.dewberry.com



DRAWN BY: ACO
 REVIEWED BY: BAR
 CHECKED BY: DRM
 PROJECT NUMBER: 50095454
 SITE ADDRESS:

19443 JEFFERSON DAVIS HIGHWAY
 RUTHER GLEN, VA 22546

SHEET TITLE
 OVERALL SITE PLAN
 SHEET NUMBER

C-1

QUANT	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	REMARKS
EVERGREEN TREES						
11	CL	CUPRESSOCYPARIS LEYLANDII	LEYLAND CYPRESS	7' HT.	10'	B&B

NOTE: See plan view for planting layout. Most of the material can be field located.



VERIZON WIRELESS
1831 RADY COURT
RICHMOND, VA 23222

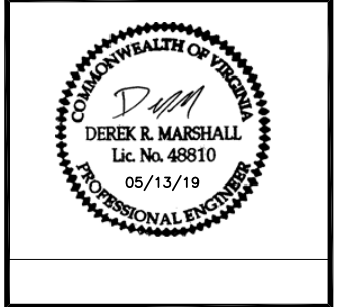
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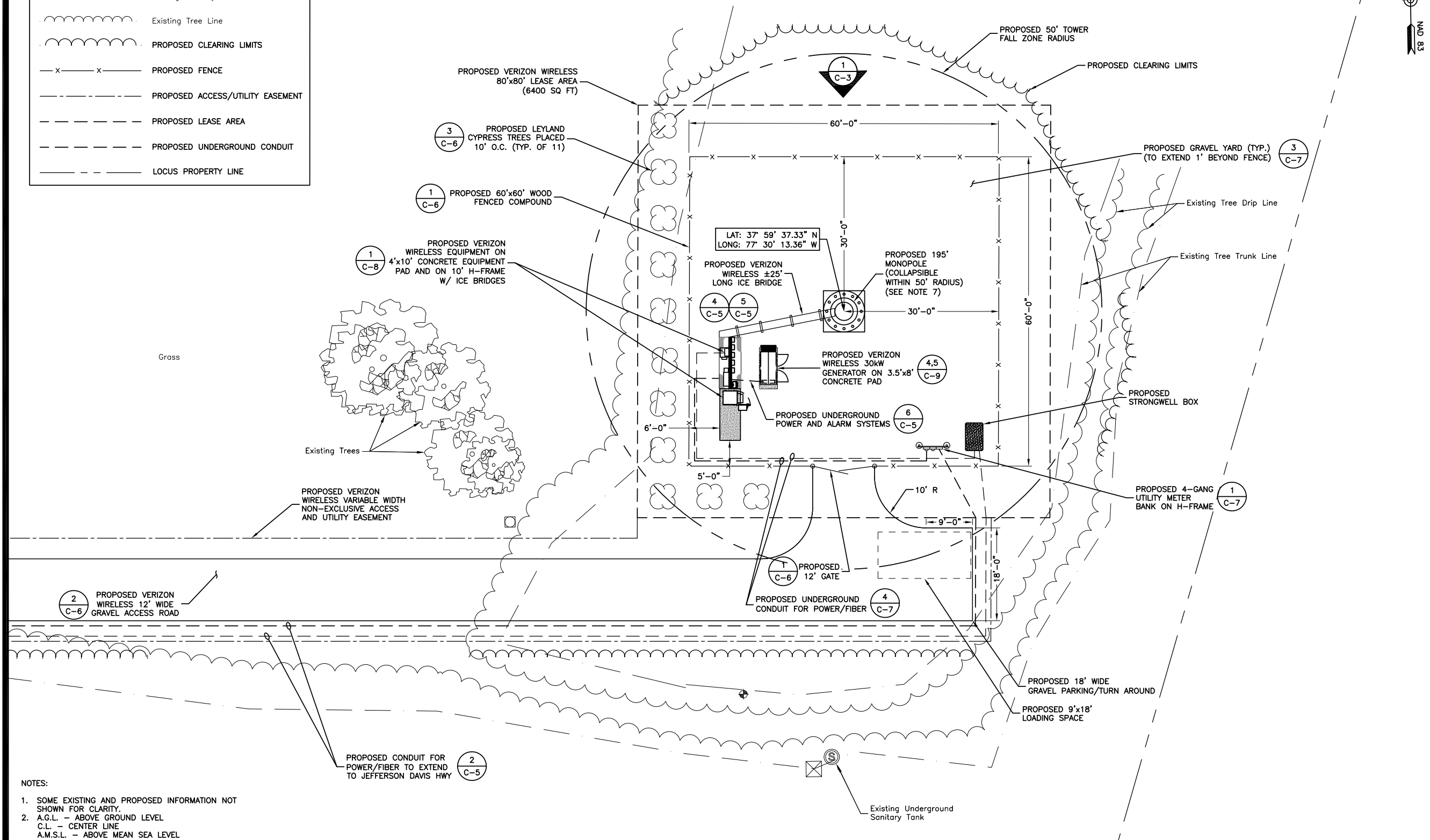
SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

C-2

LEGEND	
---	Existing Property Line (Approx.)
---	Existing Roadway
---	Existing Tree Line
---	PROPOSED CLEARING LIMITS
-x-x-	PROPOSED FENCE
---	PROPOSED ACCESS/UTILITY EASEMENT
---	PROPOSED LEASE AREA
---	PROPOSED UNDERGROUND CONDUIT
---	LOCUS PROPERTY LINE



- NOTES:
- SOME EXISTING AND PROPOSED INFORMATION NOT SHOWN FOR CLARITY.
 - A.G.L. - ABOVE GROUND LEVEL
C.L. - CENTER LINE
A.M.S.L. - ABOVE MEAN SEA LEVEL
 - VERIFY LOCATION OF EXISTING UNDERGROUND CONDUITS AND GROUNDING PRIOR TO CONSTRUCTION. ADJUST ROUTING AS NECESSARY.
 - CONTRACTOR SHALL CONTACT "MISS UTILITY" (1-800-552-7001) FOR IDENTIFICATION OF UNDERGROUND UTILITIES PRIOR TO START OF CONSTRUCTION.
 - ALL PROPOSED WORK AND CABLE PLACEMENT SHALL BE IN ACCORDANCE WITH TOWER STRUCTURAL ANALYSIS BY OTHERS.
 - CONTRACTOR SHALL COORDINATE ANTENNA AZIMUTHS WITH RF WORKSHEET.
 - MONOPOLE AND FOUNDATION DESIGN BY OTHERS.

SITE TABULATION CHART:	
AREA OF BUILDING:	0 SQ. FT.
PERCENT OF SITE OCCUPIED BY BUILDING:	0%
AREA OF OPEN SPACE:	±0.43 ACRES
TOTAL PERCENT OF SITE IN OPEN SPACE:	±84%
TOTAL AREA OF LAND DISTURBANCE:	±0.51 ACRES
TOTAL IMPERVIOUS AREA:	±0.21 ACRES

ENLARGED SITE PLAN 1
SCALE: 1"=20' FOR 11x17
1"=10' FOR 22x34
0' 10' 20'