verizon

SITE NAME: SCRUBY TIER III PERSONAL WIRELESS FACILITY

GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

Know what's **below.** **Call** before you dig.

SITE INFORMATION

PROJECT DESCRIPTION:	RAWLAND: PROPOSED INSTALLATION OF TELECOMMUNICATIONS TOWER AND RELATED EQUIPMENT WITHIN SECURED COMPOUND.
SITE ADDRESS:	GREENWOOD STATION ROAD GREENWOOD, VA 22943
LATITUDE (NAD 83): LONGITUDE (NAD 83):	38° 02' 41.1742" -78° 44' 55.9528"
GROUND ELEVATION:	740.8' AMSL
JURISDICTION:	ALBEMARLE COUNTY
ZONING:	RURAL AREAS
PARCEL ID:	05500-00-00-01400
PARCEL AREA:	44.73± ACRES
PARCEL OWNER:	SCRUBY, BRIAN GRAY PO BOX 83 GREENWOOD VA, 22943
TOWER OWNER:	VERIZON WIRELESS 1831 RADY COURT RICHMOND, VA 23222
STRUCTURE TYPE:	MONOPOLE
HEIGHT OF STRUCTURE:	140.0'± AGL (881.7' AMSL)
RAD CENTER:	137.0'± AGL (878.7' AMSL)
OVERALL HEIGHT OF STRUCTURE:	144.0'± AGL (885.7' AMSL)
TOTAL LEASE AREA:	1,600± SQ. FT.
TOTAL DISTURBED AREA:	5,400± SQ. FT.
POWER PROVIDER:	DOMINION POWER (866) 366-4357
TELCO PROVIDER:	N/A

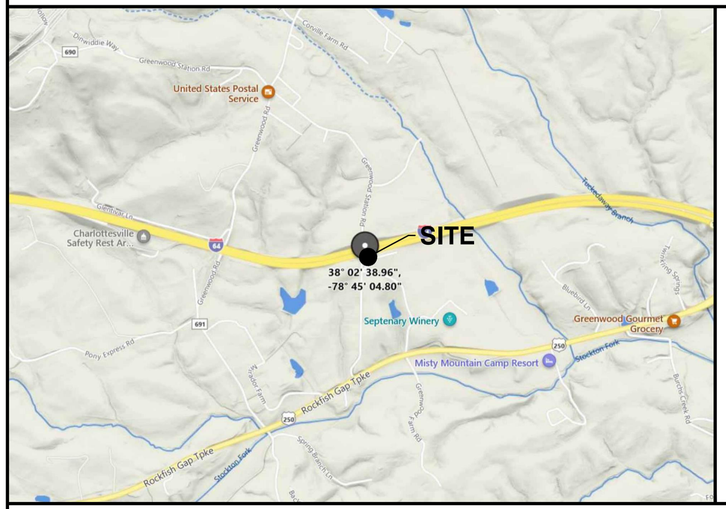
EMERGENCY INFORMATION:

ALBEMARLE COUNTY FIRE & RESCUE:	(434) 296-5833
ALBEMARLE COUNTY SHERIFF'S OFFICE:	(434) 972-4001

PROJECT TEAM

CONSTRUCTION MANAGER:	NETWORK BUILDING + CONSULTING JOHN KIRBY (540) 280-9630
PROJECT MANAGEMENT FIRM:	GDN SITES NATHAN HOLLAND (757) 305-8420
ENGINEERING FIRM:	NB+C ENGINEERING SERVICES, LLC. 120 EASTSHORE DRIVE SUITE 300 GLEN ALLEN, VA 23059 (804) 548-4079

VICINITY MAP



DIRECTIONS

HEAD NORTHEAST ON RADY ST TOWARD 5TH AVE. BEAR RIGHT ONTO DILL AVE. AT THE ROUNDABOUT, TAKE THE 4TH EXIT FOR 2ND AVE/ KEEP RIGHT TO GET ONTO 1ST AVE. AT THE ROUNDABOUT, TAKE THE 4TH EXIT FOR ROWEN AVE. ROAD NAME CHANGES TO N 5TH ST. TAKE THE RAMP ON THE LEFT AND FOLLOW SIGNS FOR I-95 NORTH / I-64 WEST. AT EXIT 79, HEAD RIGHT ON THE RAMP FOR I-64 WEST TOWARD STAPLES MILL RD. AT EXIT 107, HEAD RIGHT ON THE RAMP FOR US-250 TOWARD CROZET / MILLER SCHOOL. TURN RIGHT ONTO US-250 E / ROCKFISH GAP TPKE TOWARD CROZET / MILLER SCHOOL. TURN LEFT ONTO US-250 W / ROCKFISH GAP TPKE, THEN IMMEDIATELY TURN LEFT ONTO US-250 W / ROCKFISH GAP TPKE. TURN RIGHT ONTO GREENWOOD STATION RD / VA-690. ARRIVE WITH SITE LOCATED ON THE RIGHT

CODE COMPLIANCE

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

- 2015 INTERNATIONAL BUILDING CODE
- 2014 NATIONAL ELECTRICAL CODE
- 2015 NFPA 101, LIFE SAFETY CODE
- 2015 IFC
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 13TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

T-1	TITLE SHEET
EE-1	EASEMENT EXHIBIT
EE-2	EASEMENT EXHIBIT
Z-1	SITE PLAN
Z-2	EXISTING TOPO & TREE SITE PLAN
Z-3	2,000' TOPO BOUNDARY
C-1	COMPOUND PLAN
C-2	TOWER ELEVATION & NOTES
C-3	MOUNT DETAILS
S-1	CONSTRUCTION DETAILS
S-2	EQUIPMENT MOUNTING DETAILS
ES-1	EROSION & SEDIMENT CONTROL & GRADING PLAN
ES-2	EROSION & SEDIMENT CONTROL NOTES
ES-3	EROSION & SEDIMENT CONTROL DETAILS

DO NOT SCALE DRAWINGS

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 24"X36". CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE DESIGNER / ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR MATERIAL ORDERS OR BE RESPONSIBLE FOR THE SAME. CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICE TO PREVENT STORM WATER POLLUTION DURING CONSTRUCTION.

APPROVAL BLOCK

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/05/22	FINAL ZDs	KLB
0	03/17/22	PRELIMINARY ZDs	KLB

PROFESSIONAL STAMP

COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic. No. 040205212
05/05/2022
PROFESSIONAL ENGINEER

ENGINEER

JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

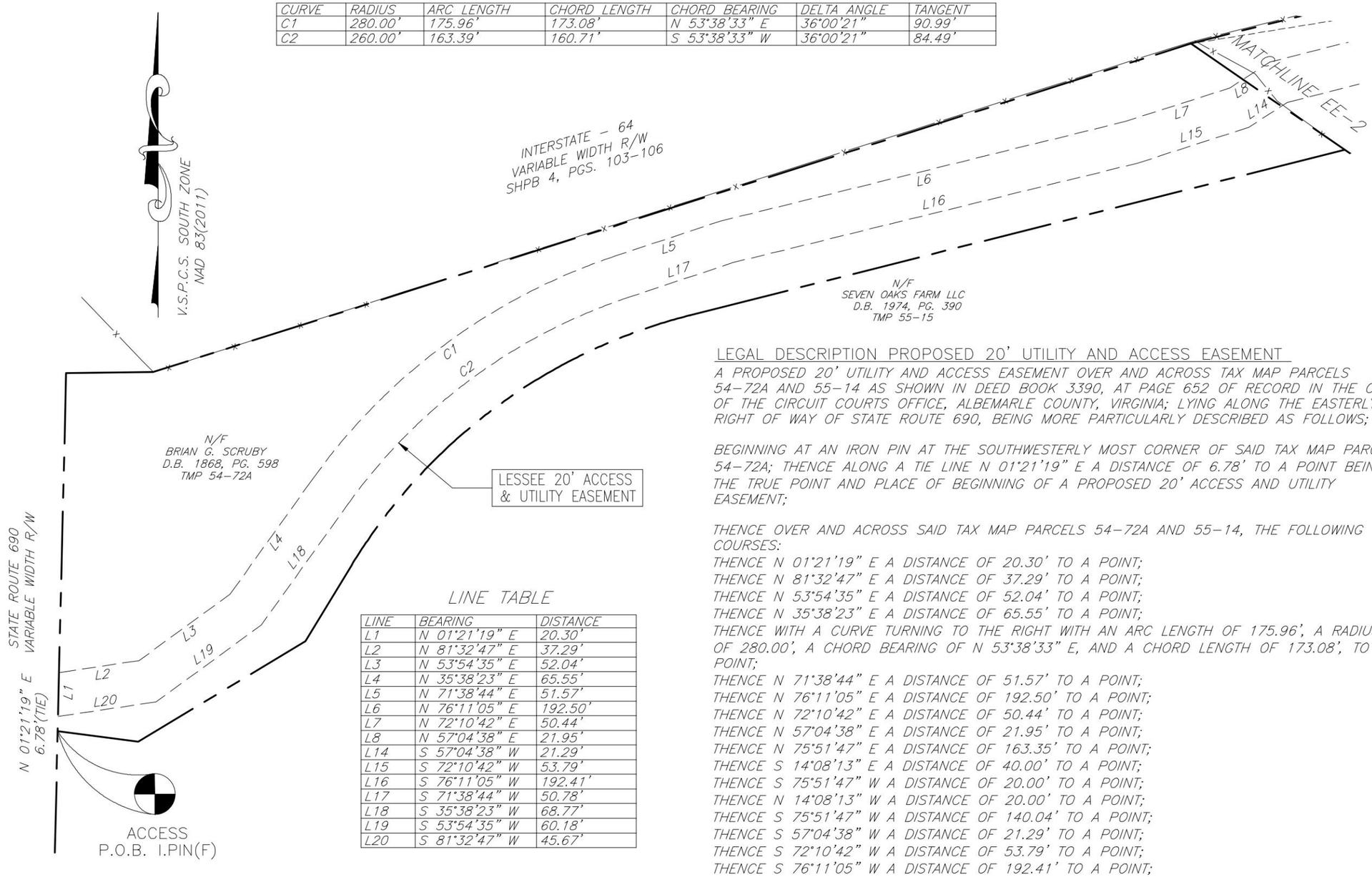
TITLE SHEET

SHEET NUMBER

T-1

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	280.00'	175.96'	173.08'	N 53°38'33" E	36°00'21"	90.99'
C2	260.00'	163.39'	160.71'	S 53°38'33" W	36°00'21"	84.49'



LINE TABLE

LINE	BEARING	DISTANCE
L1	N 01°21'19" E	20.30'
L2	N 81°32'47" E	37.29'
L3	N 53°54'35" E	52.04'
L4	N 35°38'23" E	65.55'
L5	N 71°38'44" E	51.57'
L6	N 76°11'05" E	192.50'
L7	N 72°10'42" E	50.44'
L8	N 57°04'38" E	21.95'
L14	S 57°04'38" W	21.29'
L15	S 72°10'42" W	53.79'
L16	S 76°11'05" W	192.41'
L17	S 71°38'44" W	50.78'
L18	S 35°38'23" W	68.77'
L19	S 53°54'35" W	60.18'
L20	S 81°32'47" W	45.67'

SCALE 1" = 50'

0' 50' 100' 150'

LEGAL DESCRIPTION PROPOSED 20' UTILITY AND ACCESS EASEMENT

A PROPOSED 20' UTILITY AND ACCESS EASEMENT OVER AND ACROSS TAX MAP PARCELS 54-72A AND 55-14 AS SHOWN IN DEED BOOK 3390, AT PAGE 652 OF RECORD IN THE CLERK OF THE CIRCUIT COURTS OFFICE, ALBEMARLE COUNTY, VIRGINIA; LYING ALONG THE EASTERLY RIGHT OF WAY OF STATE ROUTE 690, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;

BEGINNING AT AN IRON PIN AT THE SOUTHWESTERLY MOST CORNER OF SAID TAX MAP PARCEL 54-72A; THENCE ALONG A TIE LINE N 01°21'19" E A DISTANCE OF 6.78' TO A POINT BEING THE TRUE POINT AND PLACE OF BEGINNING OF A PROPOSED 20' ACCESS AND UTILITY EASEMENT;

THENCE OVER AND ACROSS SAID TAX MAP PARCELS 54-72A AND 55-14, THE FOLLOWING COURSES:
THENCE N 01°21'19" E A DISTANCE OF 20.30' TO A POINT;
THENCE N 81°32'47" E A DISTANCE OF 37.29' TO A POINT;
THENCE N 53°54'35" E A DISTANCE OF 52.04' TO A POINT;
THENCE N 35°38'23" E A DISTANCE OF 65.55' TO A POINT;
THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 175.96', A RADIUS OF 280.00', A CHORD BEARING OF N 53°38'33" E, AND A CHORD LENGTH OF 173.08', TO A POINT;
THENCE N 71°38'44" E A DISTANCE OF 51.57' TO A POINT;
THENCE N 76°11'05" E A DISTANCE OF 192.50' TO A POINT;
THENCE N 72°10'42" E A DISTANCE OF 50.44' TO A POINT;
THENCE N 57°04'38" E A DISTANCE OF 21.95' TO A POINT;
THENCE N 75°51'47" E A DISTANCE OF 163.35' TO A POINT;
THENCE S 14°08'13" E A DISTANCE OF 40.00' TO A POINT;
THENCE S 75°51'47" W A DISTANCE OF 20.00' TO A POINT;
THENCE N 14°08'13" W A DISTANCE OF 20.00' TO A POINT;
THENCE S 75°51'47" W A DISTANCE OF 140.04' TO A POINT;
THENCE S 57°04'38" W A DISTANCE OF 21.29' TO A POINT;
THENCE S 72°10'42" W A DISTANCE OF 53.79' TO A POINT;
THENCE S 76°11'05" W A DISTANCE OF 192.41' TO A POINT;
THENCE S 71°38'44" W A DISTANCE OF 50.78' TO A POINT;
THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 163.39', A RADIUS OF 260.00', A CHORD BEARING OF S 53°38'33" W, ANDCHORD LENGTH OF 160.71', TO A POINT;
THENCE S 35°38'23" W A DISTANCE OF 68.77' TO A POINT;
THENCE S 53°54'35" W A DISTANCE OF 60.18' TO A POINT;
THENCE S 81°32'47" W A DISTANCE OF 45.67' TO A POINT;
WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 16,627 SQUARE FEET, 0.383 ACRES.

THIS EXHIBIT DOES NOT CONSTITUTE A BOUNDARY SURVEY AND IS FOR THE EXPRESS PURPOSE OF SHOWING PROPOSED LEASE AREAS.

ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804.346.4070

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

NB&C #02671
EASEMENT EXHIBIT
SITE NAME: SCRUBY TIER III
PERSONAL WIRELESS FACILITY
7416 GREENWOOD STATION RD
GREENWOOD, VA 22943
ALBEMARLE COUNTY VA

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
2	11/16/21	REDUCE LEASE AREA	RW
4	10/29/21	NEW SITE LOCATION	RW
3	10/21/20	REV TOWER HEIGHT	RW
2	9/11/20	REVISE TARGET TREE	RW
1	6/9/20	ADD ADJOINING R/W	RW
0	11/1/17	EASEMENT EXHIBIT	RW

COMMONWEALTH OF VIRGINIA
ROBERT T. WILLIAMS, JR.
LIC. No. 002551
11-16-2021
LAND SURVEYOR

SURVEYOR

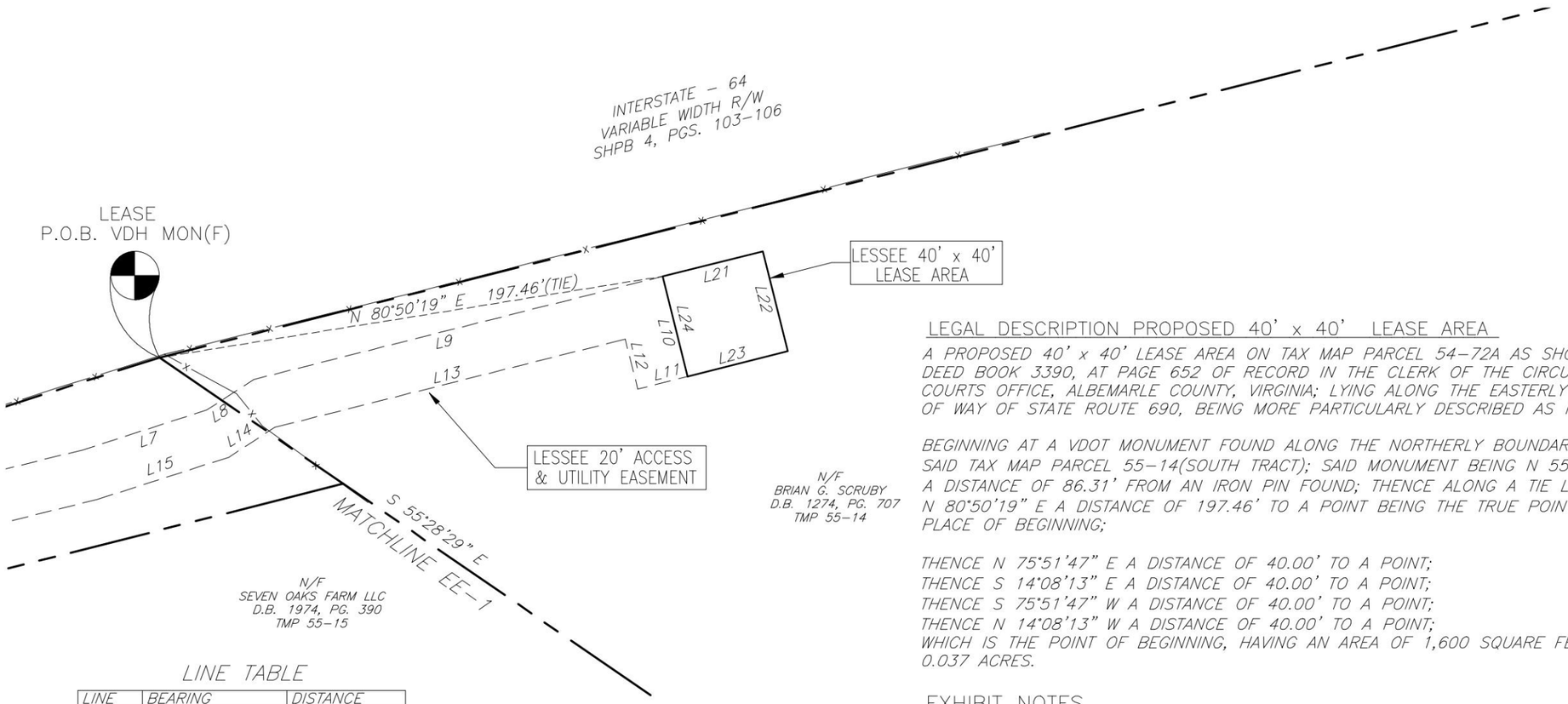
Causeway Consultants, P.C.
Land Surveyors VA&NC
P.O BOX 15039
CHESAPEAKE, VA. 23328
PHONE: 757-482-0474
©CAUSEWAY CONSULTANTS, P.C. 2021

SHEET TITLE

EASEMENT EXHIBIT

SHEET NUMBER

EE-1



LINE TABLE

LINE	BEARING	DISTANCE
L1	N 01°21'19" E	20.30'
L2	N 81°32'47" E	37.29'
L3	N 53°54'35" E	52.04'
L4	N 35°38'23" E	65.55'
L5	N 71°38'44" E	51.57'
L6	N 76°11'05" E	192.50'
L7	N 72°10'42" E	50.44'
L8	N 57°04'38" E	21.95'
L9	N 75°51'47" E	163.35'
L10	S 14°08'13" E	40.00'
L11	S 75°51'47" W	20.00'
L12	N 14°08'13" W	20.00'
L13	S 75°51'47" W	140.04'
L14	S 57°04'38" W	21.29'
L15	S 72°10'42" W	53.79'
L16	S 76°11'05" W	192.41'
L17	S 71°38'44" W	50.78'
L18	S 35°38'23" W	68.77'
L19	S 53°54'35" W	60.18'
L20	S 81°32'47" W	45.67'
L21	N 75°51'47" E	60.00'
L22	S 14°14'31" E	60.00'
L23	S 75°51'47" W	60.00'
L24	N 14°14'31" W	60.00'

V.S.P.C.S. SOUTH ZONE
NAD 83(2011)

SCALE 1" = 50'

0' 50' 100' 150'

LEGAL DESCRIPTION PROPOSED 40' x 40' LEASE AREA

A PROPOSED 40' x 40' LEASE AREA ON TAX MAP PARCEL 54–72A AS SHOWN IN DEED BOOK 3390, AT PAGE 652 OF RECORD IN THE CLERK OF THE CIRCUIT COURTS OFFICE, ALBEMARLE COUNTY, VIRGINIA; LYING ALONG THE EASTERLY RIGHT OF WAY OF STATE ROUTE 690, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;

BEGINNING AT A VDOT MONUMENT FOUND ALONG THE NORTHERLY BOUNDARY OF SAID TAX MAP PARCEL 55–14(SOUTH TRACT); SAID MONUMENT BEING N 55°28'29" W A DISTANCE OF 86.31' FROM AN IRON PIN FOUND; THENCE ALONG A TIE LINE N 80°50'19" E A DISTANCE OF 197.46' TO A POINT BEING THE TRUE POINT AND PLACE OF BEGINNING;

THENCE N 75°51'47" E A DISTANCE OF 40.00' TO A POINT;
THENCE S 14°08'13" E A DISTANCE OF 40.00' TO A POINT;
THENCE S 75°51'47" W A DISTANCE OF 40.00' TO A POINT;
THENCE N 14°08'13" W A DISTANCE OF 40.00' TO A POINT;
WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 1,600 SQUARE FEET OR 0.037 ACRES.

EXHIBIT NOTES

1. TOPOGRAPHIC SURVEY PERFORMED BY CAUSEWAY CONSULTANTS, P.C. P. O. BOX 15039. CHESAPEAKE, VIRGINIA, 23328–50394. PHONE: 757–482–0474. SURVEY DATE: OCTOBER 26, 2021.
2. COORDINATES AND ELEVATIONS SHOWN WERE ESTABLISHED USING STATIC GPS OBSERVATIONS, POST PROCESSED THROUGH NOAA'S OPUS WEBSITE AND CONVERTED TO NAVD 88 AND NAD 83, U.S SURVEY FOOT, FOR THE VERTICAL DATUM AND HORIZONTAL COORDIANTES, RESPECTIVELY, USING U.S. ARMY CORPS OF ENGINEERS CORPSCON SOFTWARE, VERSION 6.01 AND PUBLISHED BENCHMARKS.
3. NO SUB–SURFACE INVESTIGATION WAS PERFORMED BY CAUSEWAY CONSULTANTS, P.C. THIS EXHIBIT DOES NOT GUARANTEE THE "EXISTENCE OR NONEXISTENCE" OF UNDERGROUND UTILITIES. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, CONTACT MISS UTILITY AT 1–800–552–7001 TO CONFIRM THE LOCATION OR EXISTENCE OF UNDERGROUND UTILITIES.
4. THIS EXHIBIT WAS DONE WITHOUT THE BENEFIT OF A TITLE REPORT AND MAY NOT DEPICT ANY OR ALL EASEMENTS THAT MAY AFFECT THE PROPERTY.
5. PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
6. THIS EXHIBIT DOES NOT REPRESENT A BOUNDARY SURVEY. THE RIGHT–OF–WAY, PROPERTY LINE AND/OR EASEMENTS SHOWN HEREON REPRESENT A COMPILATION OF RECORDED DEEDS, PLATS, G.I.S. RECORDS AND TAX MAPS.
7. THE AREA OF THE PROPOSED CELL TOWER APPEARS TO LIE WITHIN FLOOD ZONE "X", ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY – NATIONAL FLOOD INSURANCE COMMUNITY NUMBER 51003C–0225 D, DATED FEBRUARY 4, 2005.
8. THE EXISTENCE OF HAZARDOUS WASTE, VEGETATED WETLANDS, OR TIDAL WETLANDS, WAS NEITHER INVESTIGATED, NOR CONFIRMED DURING THE PERFORMANCE OF THIS EXHIBIT.

THIS EXHIBIT DOES NOT CONSTITUTE A BOUNDARY SURVEY AND IS FOR THE EXPRESS PURPOSE OF SHOWING PROPOSED LEASE AREAS.

ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804.346.4078

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

NB&C #02671
EASEMENT EXHIBIT
SITE NAME: SCRUBY TIER III
PERSONAL WIRELESS FACILITY
7416 GREENWOOD STATION RD
GREENWOOD, VA 22943
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2	11/16/21	REDUCE LEASE AREA	RW
1	10/29/21	NEW SITE LOCATION	RW
0	11/1/17	EASEMENT EXHIBIT	RW

COMMONWEALTH OF VIRGINIA
ROBERT T. WILLIAMS, JR.
LIC. No. 002551
11-16-2021
LAND SURVEYOR

SURVEYOR

Causeway Consultants, P.C.
Land Surveyors VA&NC
P.O BOX 15039
CHESAPEAKE, VA. 23328
PHONE: 757–482–0474
©CAUSEWAY CONSULTANTS, P.C. 2021

SHEET TITLE

EASEMENT EXHIBIT

SHEET NUMBER

EE-2

TRUE NORTH

① SCRUBY, BRIAN G
PO BOX 83
GREENWOOD VA, 22943
PARCEL ID: 05400-00-00-072T0
ZONING: RA
AREA: N/A

② SCRUBY, BRIAN GRAY
PO BOX 83
GREENWOOD VA, 22943
PARCEL ID: 05500-00-00-01400
ZONING: RA
AREA: 1.04± ACRES

③ TAF INVESTMENTS LLC
PO BOX 7886
CHARLOTTESVILLE VA, 22906
PARCEL ID: 05500-00-00-012B0
ZONING: RA
AREA: 34.78± ACRES

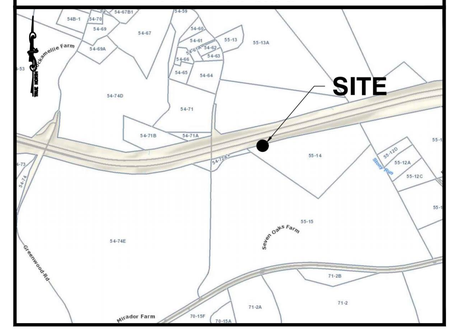
④ GOLDEN MAGNOLIA LLC
200 SEVEN OAKS FARM
GREENWOOD VA, 22943
PARCEL ID: 05500-00-00-01500
ZONING: RA
AREA: 98.54± ACRES

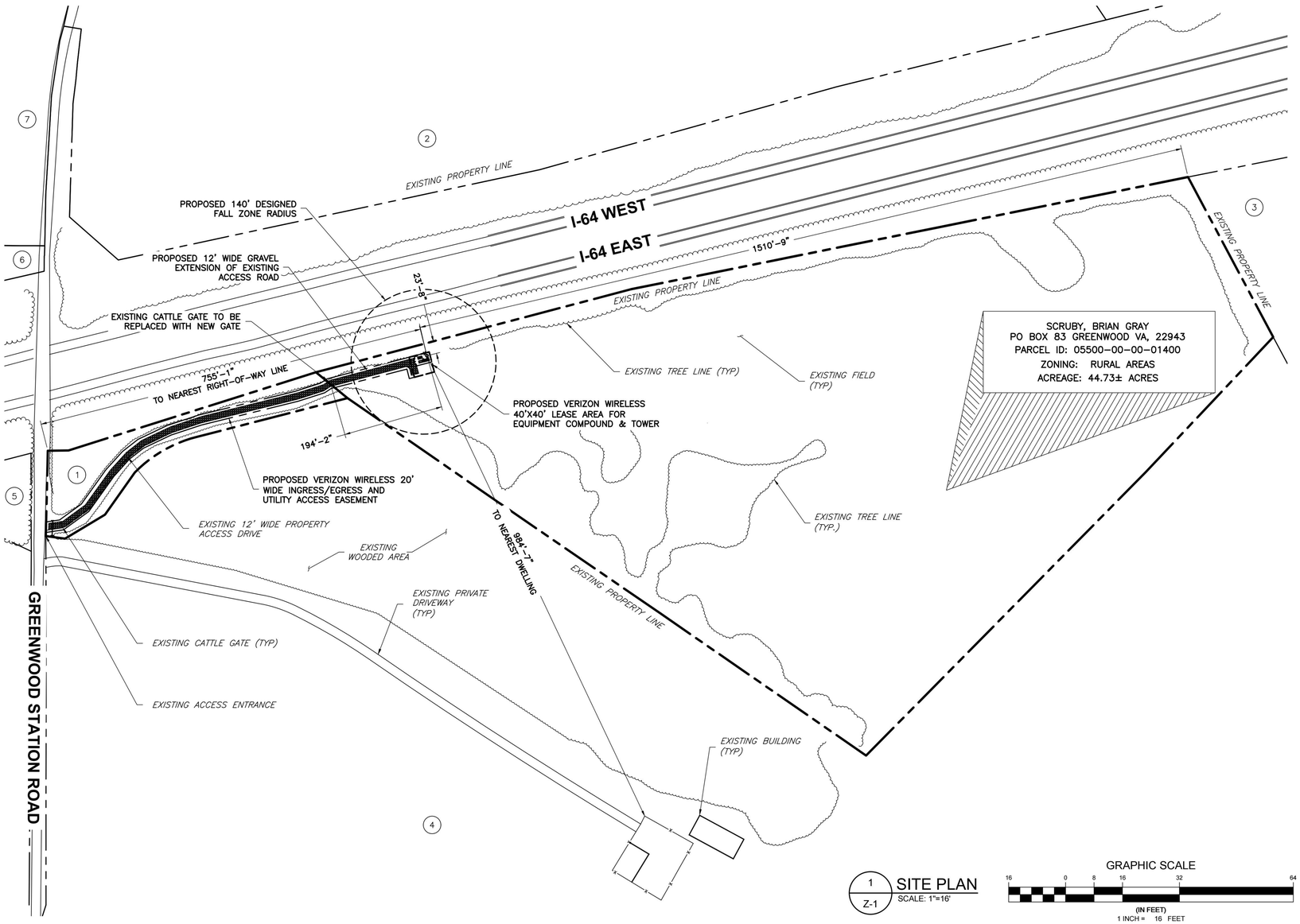
⑤ BURGHARDT, HOPE HADLEY TRUSTEE
OF THE HOPE HADLEY
BURGHARDT LIVING TRUST
PO BOX 8
GREENWOOD VA, 22943
PARCEL ID: 05400-00-00-074E0
ZONING: RA
AREA: 141.15± ACRES

⑥ HOPE/HADLEY 1999 TRUST; GUARANTY
TRUST ETAL ATTN: ENTERPRISE TRUST
PO BOX 8
GREENWOOD VA, 22943
PARCEL ID: 05400-00-00-071A0
ZONING: RA
AREA: 0.57± ACRES

⑦ SCRUBY, TIMOTHY MARK & SCRUBY,
ALICE ROWE
8153 DICK WOODS RD
AFTON VA, 22920
PARCEL ID: 05400-00-00-07100
ZONING: RA
AREA: 11.55± ACRES

VICINITY MAP





1 / Z-1 SITE PLAN
SCALE: 1"=16'

GRAPHIC SCALE
16 0 8 16 32 64
(IN FEET)
1 INCH = 16 FEET

GENERAL NOTES

1. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
2. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
3. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION. THERE IS NO HANDICAP ACCESS REQUIRED.
4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
5. NO CRITICAL SLOPES ARE TO BE DISTURBED.

LEGEND

- PROPERTY LINE – SUBJECT PARCEL
- PROPERTY LINE – ABUTTERS
- EXISTING ROAD
- EXISTING FENCE
- PROPOSED EASEMENT
- PROPOSED LEASE AREA
- EXISTING EASEMENT
- PROPOSED FENCE
- EXISTING BUILDING

ZONING INFORMATION

JURISDICTION:	ALBEMARLE COUNTY
ZONING:	RURAL AREAS
DIMENSION	PROPOSED ±
FRONT YARD SETBACK:	194-2"±
SIDE YARD SETBACK:	23'-8"±
REAR YARD SETBACK:	1510-9"±
LOT AREA:	44.73± ACRES

(ALL MEASUREMENTS ARE IN FEET ± UNLESS OTHERWISE NOTED)

Know what's **below.** **Call** before you dig.

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
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PROFESSIONAL STAMP

COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic No. 0402052122
05/05/2022
PROFESSIONAL ENGINEER

ENGINEER

JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

SITE PLAN

SHEET NUMBER

Z-1

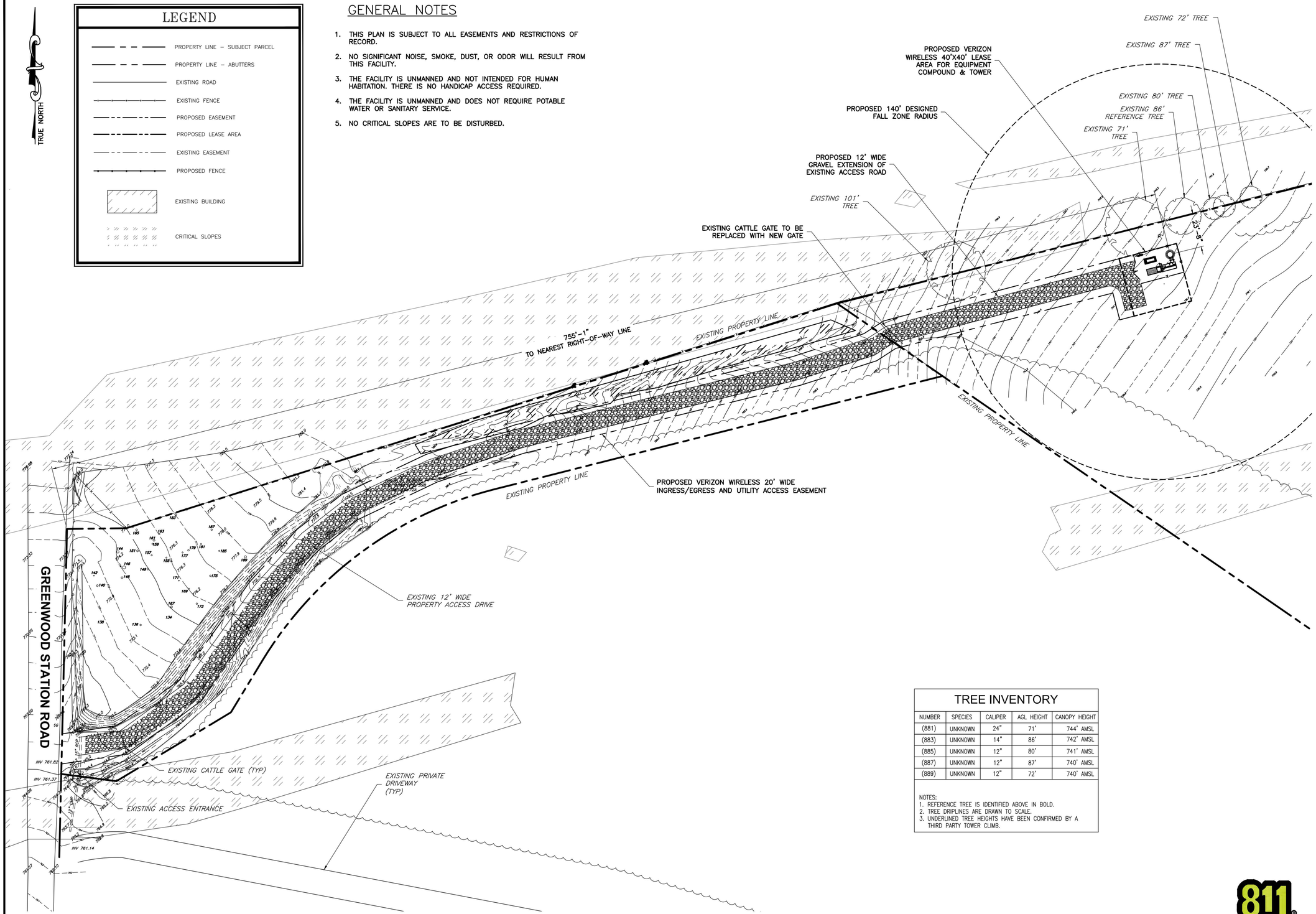
TRUE NORTH

LEGEND

- PROPERTY LINE – SUBJECT PARCEL
- PROPERTY LINE – ABUTTERS
- EXISTING ROAD
- EXISTING FENCE
- PROPOSED EASEMENT
- PROPOSED LEASE AREA
- EXISTING EASEMENT
- PROPOSED FENCE
- EXISTING BUILDING
- CRITICAL SLOPES

GENERAL NOTES

1. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
2. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
3. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION. THERE IS NO HANDICAP ACCESS REQUIRED.
4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
5. NO CRITICAL SLOPES ARE TO BE DISTURBED.



TREE INVENTORY

NUMBER	SPECIES	CALIPER	AGL HEIGHT	CANOPY HEIGHT
(881)	UNKNOWN	24"	71'	744' AMSL
(883)	UNKNOWN	14"	86'	742' AMSL
(885)	UNKNOWN	12"	80'	741' AMSL
(887)	UNKNOWN	12"	87'	740' AMSL
(889)	UNKNOWN	12"	72'	740' AMSL

NOTES:
1. REFERENCE TREE IS IDENTIFIED ABOVE IN BOLD.
2. TREE DRIPLINES ARE DRAWN TO SCALE.
3. UNDERLINED TREE HEIGHTS HAVE BEEN CONFIRMED BY A THIRD PARTY TOWER CLIMB.

1 / Z-2 EXISTING TOPO SITE PLAN
SCALE: 1"=30'

GRAPHIC SCALE
30 0 15 30 60 120
(IN FEET)
1 INCH = 30 FEET

Know what's **below.**
Call before you dig.

ENGINEER

NB+C™ TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon✓
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/05/22	FINAL ZDs	KLB
0	03/17/22	PRELIMINARY ZDs	KLB

PROFESSIONAL STAMP

COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic No. 0402052122
05/05/2022
PROFESSIONAL ENGINEER

ENGINEER

JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

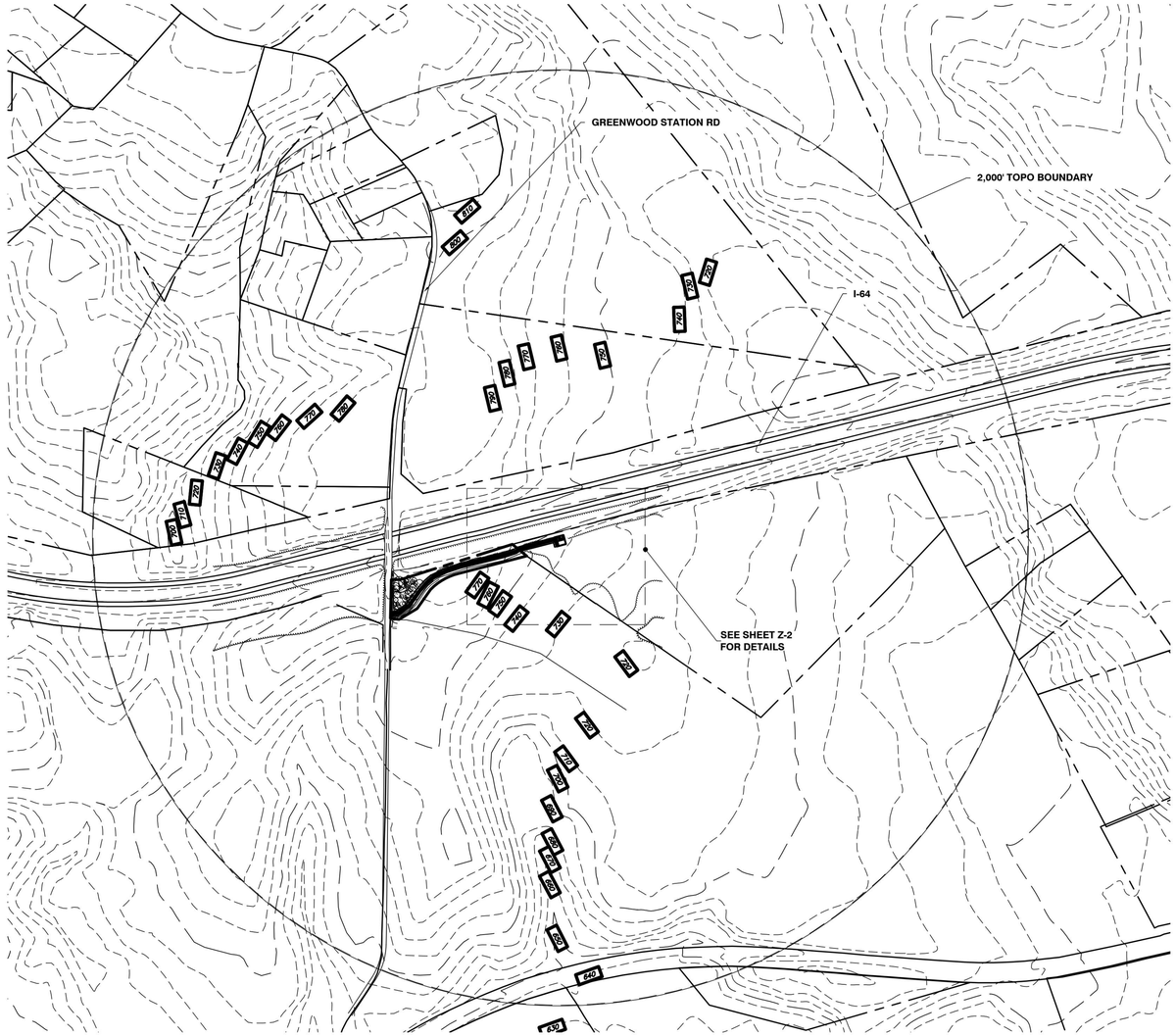
SHEET TITLE

EXISTING TOPO & TREE SITE PLAN

SHEET NUMBER

Z-2

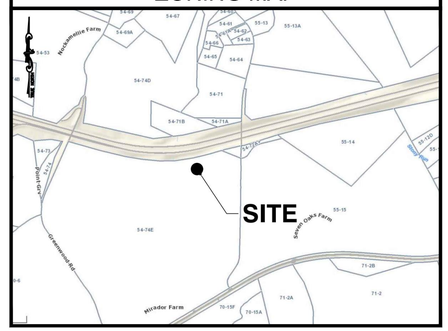
TRUE NORTH



1 / Z-3 2,000' TOPO BOUNDARY
SCALE: 1" = 300'

GRAPHIC SCALE
300 0 150 300 600 1200
(IN FEET)
1 INCH = 300 FEET

ZONING MAP



GENERAL NOTES

1. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
2. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
3. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION. THERE IS NO HANDICAP ACCESS REQUIRED.
4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
5. ALBEMARLE COUNTY GIS IS THE SOURCE FOR TOPO LINES SHOWN.

LEGEND

- PROPERTY LINE – SUBJECT PARCEL
- PROPERTY LINE – ABUTTERS
- EXISTING ROAD
- EXISTING FENCE
- PROPOSED EASEMENT
- PROPOSED LEASE AREA
- EXISTING EASEMENT
- PROPOSED FENCE
- EXISTING BUILDING

Know what's **below.**
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804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

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ENGINEER

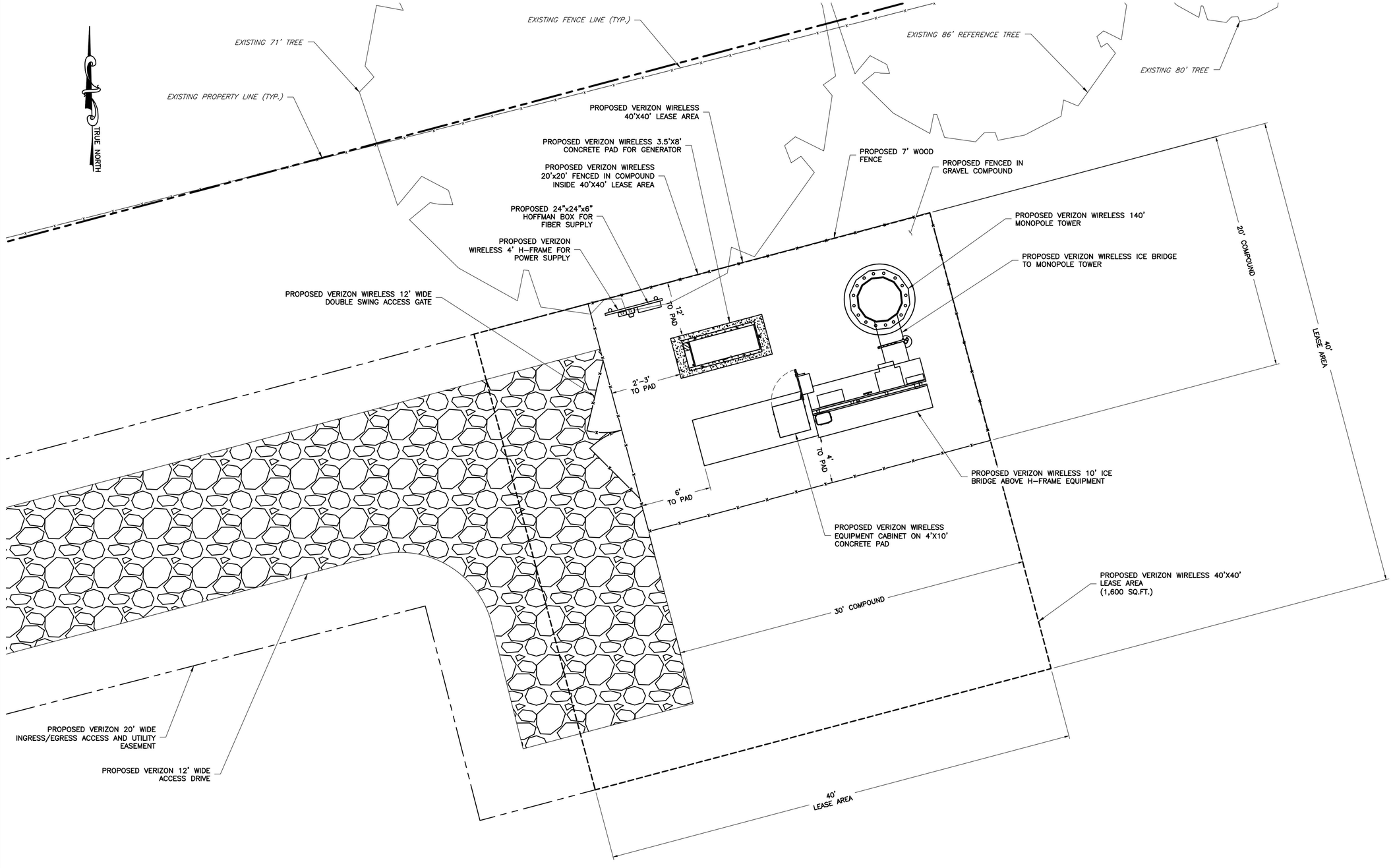
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

2,000' TOPO BOUNDARY

SHEET NUMBER

Z-3



811 Know what's **below.** **Call** before you dig.

1 / C-1 COMPOUND PLAN
SCALE: 1/4" = 1'

GRAPHIC SCALE
4 0 2 4 8 16
(IN FEET)
1 INCH = 4 FEET

ENGINEER

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NB+C ENGINEERING SERVICES, LLC.
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ENGINEER

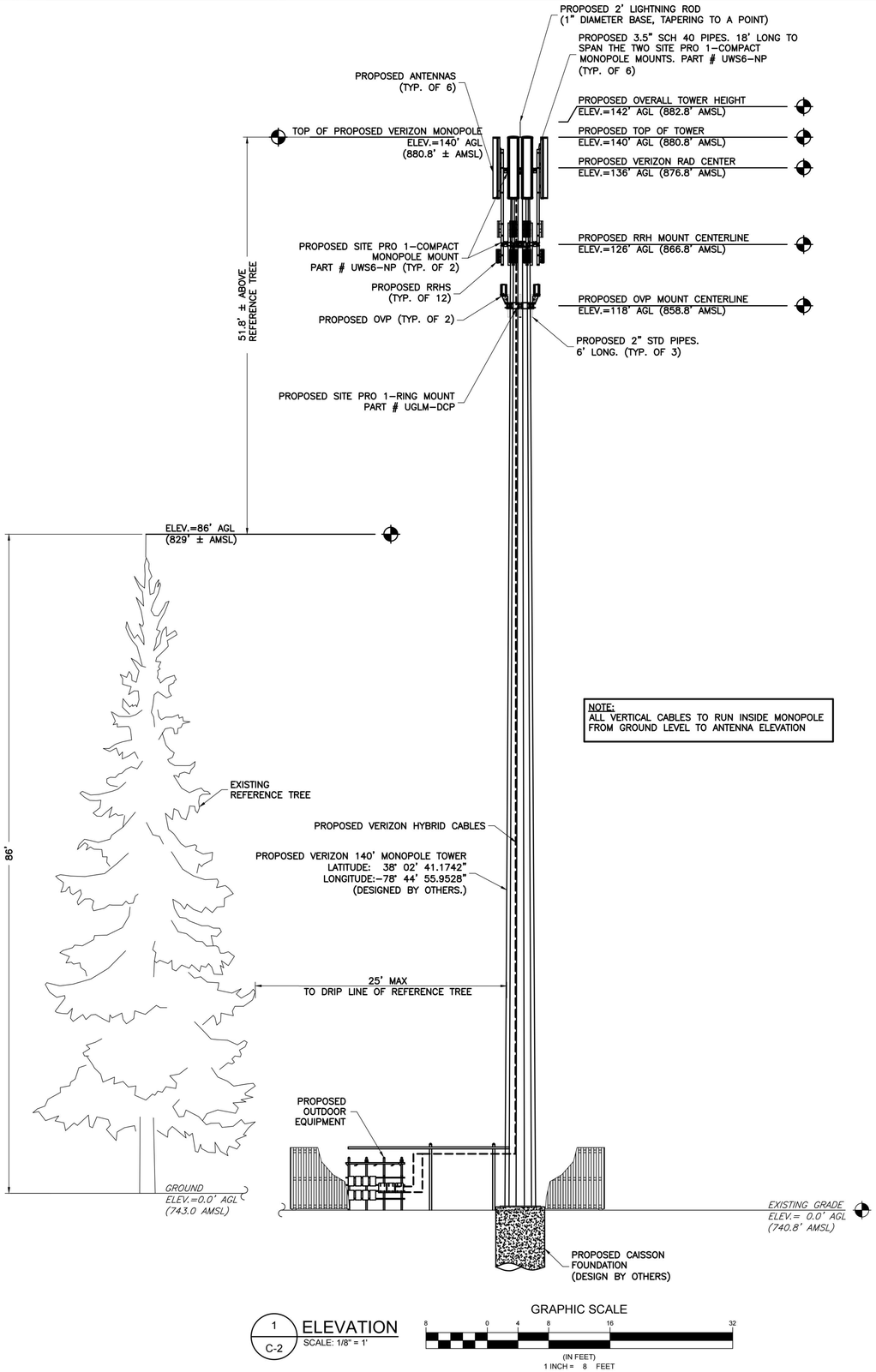
JOHN A. DAUGHTREY III, P.E.
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SHEET TITLE

COMPOUND PLAN

SHEET NUMBER

C-1

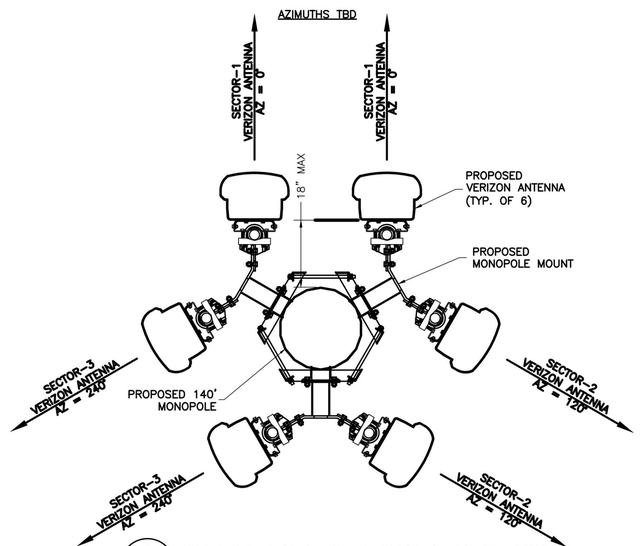


NOTE:
ALL VERTICAL CABLES TO RUN INSIDE MONOPOLE FROM GROUND LEVEL TO ANTENNA ELEVATION

1/C-2 ELEVATION
SCALE: 1/8" = 1'

GRAPHIC SCALE
8 0 4 8 16 32
(IN FEET)
1 INCH = 8 FEET

NOTE:
1. THE PROPOSED TOWER, TOWER MOUNTS, ANTENNAS & RRHs WILL BE PAINTED THE COUNTY APPROVED COLOR SHERWIN WILLIAMS JAVA BROWN #6090.
2. ANTENNAS WILL BE INSTALLED USING A MODIFIED FLUSH DESIGN WITH LOW PROFILE MOUNTING BRACKETS. NO POINT ON THE BACK OF ANTENNAS SHALL BE MORE THAN 18" FROM FACE OF MONOPOLE.
3. PROPOSED ANTENNA MODEL: COMMSCOPE NHH–65C–R2B: 96.0"X11.9"X7.1" – 51.6 LBS –1142.4 SQ.IN.
4. THE MAXIMUM BASE DIAMETER OF THE MONOPOLE SHALL NOT EXCEED 30" AND THE MAXIMUM DIAMETER AT THE TOP SHALL NOT EXCEED 18".



2/C-2 ANTENNA ORIENTATION PLAN AT 136'
NTS

GENERAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITIES COMPANY OR OTHER PUBLIC AUTHORITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
3. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE OF WORK. MINOR OMISSIONS OR ERRORS IN THE BID DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR THE OVERALL INTENT OF THESE DRAWINGS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED AS A RESULT OF CONSTRUCTION OF THIS FACILITY.
5. THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
7. CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTH WITH RF ENGINEERING PRIOR TO INSTALLATION.
8. TRANSMITTER EQUIPMENT AND ANTENNAS ARE DESIGNED TO MEET ANSI/TIA 222–G REQUIREMENTS.
9. ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED STEEL.
10. CONTRACTOR SHALL MAKE A UTILITY "ONE CALL" TO LOCATE ALL UTILITIES PRIOR TO EXCAVATING.
11. IF ANY UNDERGROUND UTILITIES OR STRUCTURES EXIST BENEATH THE PROJECT AREA, CONTRACTOR MUST LOCATE IT AND CONTACT THE APPLICANT & THE OWNER'S REPRESENTATIVE.
12. OCCUPANCY IS LIMITED TO PERIODIC MAINTENANCE AND INSPECTION BY TECHNICIANS APPROXIMATELY 2 TIMES PER MONTH.
13. PRIOR TO THE INSTALLATION OF THE PROPOSED EQUIPMENT OR MODIFICATION OF THE EXISTING STRUCTURE, A STRUCTURAL ANALYSIS SHALL BE PERFORMED BY THE OWNER'S AGENT TO CERTIFY THAT THE EXISTING/PROPOSED COMMUNICATION STRUCTURE AND COMPONENTS ARE STRUCTURALLY ADEQUATE TO SUPPORT ALL EXISTING AND PROPOSED ANTENNAS, COAXIAL CABLES AND OTHER APPURTENANCES.
14. PROPERTY LINE INFORMATION WAS PREPARED USING DEEDS, TAX MAPS, AND PLANS OF RECORD AND SHOULD NOT BE CONSTRUED AS AN ACCURATE BOUNDARY SURVEY.
15. THIS PLAN IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
16. THE PROPOSED FACILITY WILL CAUSE ONLY A "DE MINIMIS" INCREASE IN STORMWATER RUNOFF. THEREFORE, NO DRAINAGE STRUCTURES ARE PROPOSED.
17. NO SIGNIFICANT NOISE, SMOKE, DUST, OR ODOR WILL RESULT FROM THIS FACILITY.
18. THE FACILITY IS UNMANNED AND NOT INTENDED FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
19. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
20. POWER TO THE FACILITY WILL BE MONITORED BY A SEPARATE METER.

811 Know what's **below.** **Call** before you dig.

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

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JOHN A. DAUGHTREY III
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05/05/2022
PROFESSIONAL ENGINEER

ENGINEER

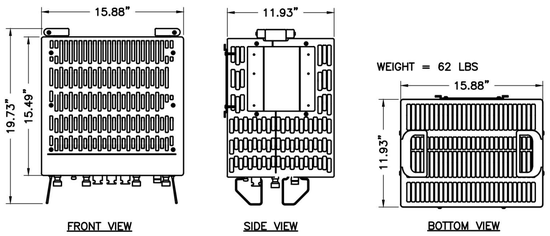
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

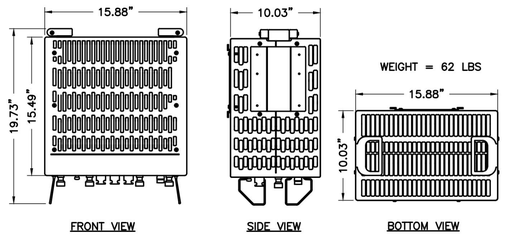
TOWER ELEVATION & NOTES

SHEET NUMBER

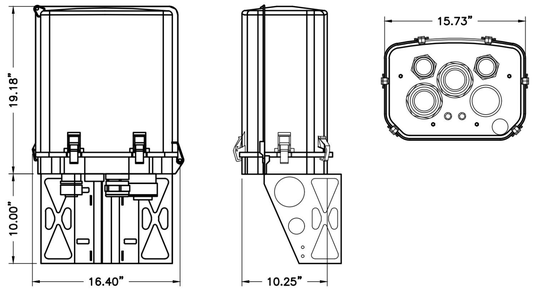
C-2



1 C-3 SAMSUNG #RFV01U-D1A B2/B66A RRH
NTS

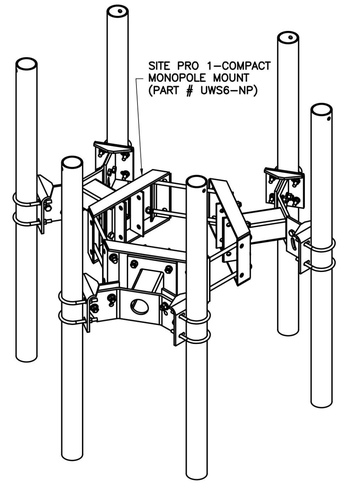


2 C-3 SAMSUNG #RFV01U-D2A B5/B13 RRH
NTS



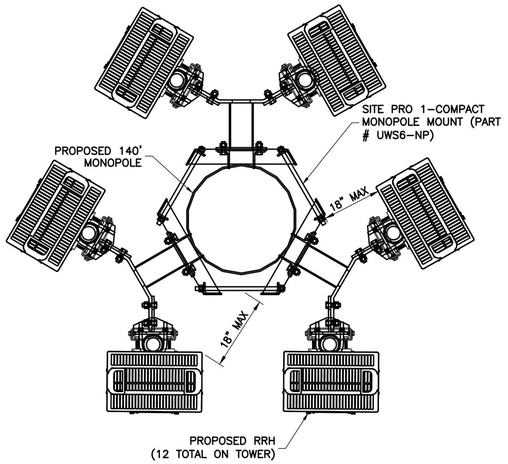
3 C-3 RAYCAP OVP BOX #RHSDC-3315-PF-48
NTS

NOTE:
TWO OF THESE MOUNTS ARE REQUIRED FOR THIS SITE. THE (6) 3.5" SCH. 40 X 18' LONG PIPE MOUNTS ARE SOLD SEPARATELY. THE PIPE MOUNTS WILL SPAN BETWEEN THE TWO COMPACT MONOPOLE MOUNTS AS SHOWN ON SHEET C-2



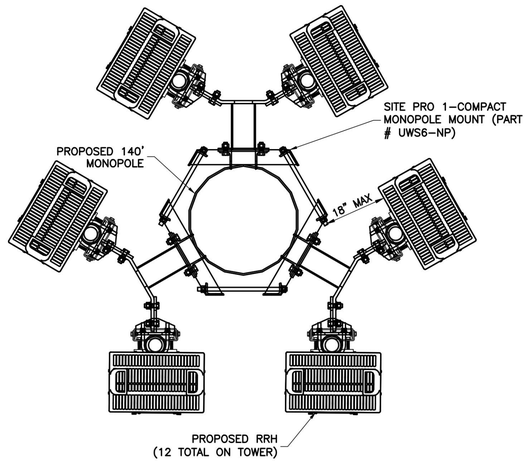
NOTE: CONTRACTOR TO PROVIDE SITE PRO 1–COMPACT MONOPOLE MOUNT (PART # UWS6–NP) OR APPROVED EQUIVALENT

4 C-3 ANTENNA & RRH MOUNT DETAIL
SCALE: NTS



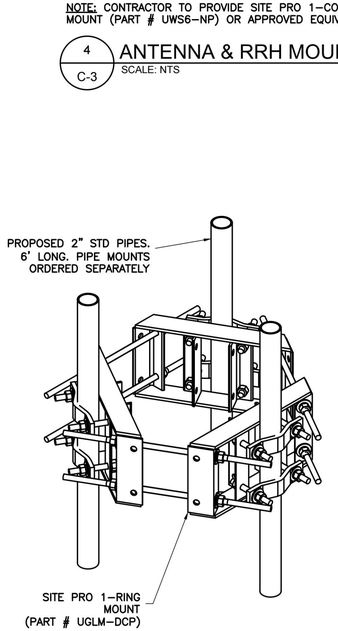
6 C-3 PROPOSED RRH ORIENTATION PLAN - 126' RAD CENTER
NTS

APPROX TRUE NORTH



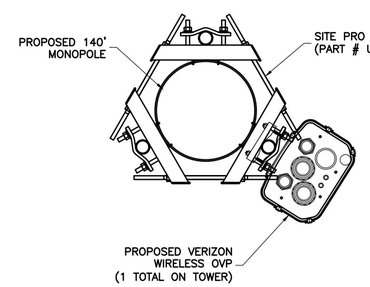
5 C-3 PROPOSED RRH ORIENTATION PLAN - 126' RAD CENTER
NTS

APPROX TRUE NORTH



NOTE: CONTRACTOR TO PROVIDE SITE PRO 1–RING MOUNT (PART # UGLM–DCP) OR APPROVED EQUIVALENT

7 C-3 OVP MOUNT DETAIL
SCALE: NTS



NOTE: TOWER, MOUNTS AND APPURTENANCES TO BE PAINTED JAVA BROWN

8 C-3 PROPOSED OVP ORIENTATION PLAN - 118' MOUNT CENTER
NTS

APPROX TRUE NORTH

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120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
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RICHMOND, VA 23222

SITE INFORMATION

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GREENWOOD STATION ROAD
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ALBEMARLE COUNTY

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ENGINEER

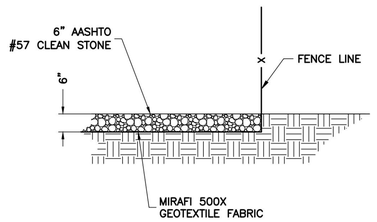
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SHEET TITLE

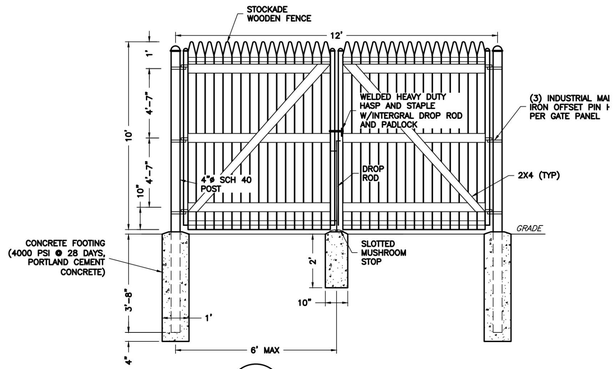
MOUNT DETAILS

SHEET NUMBER

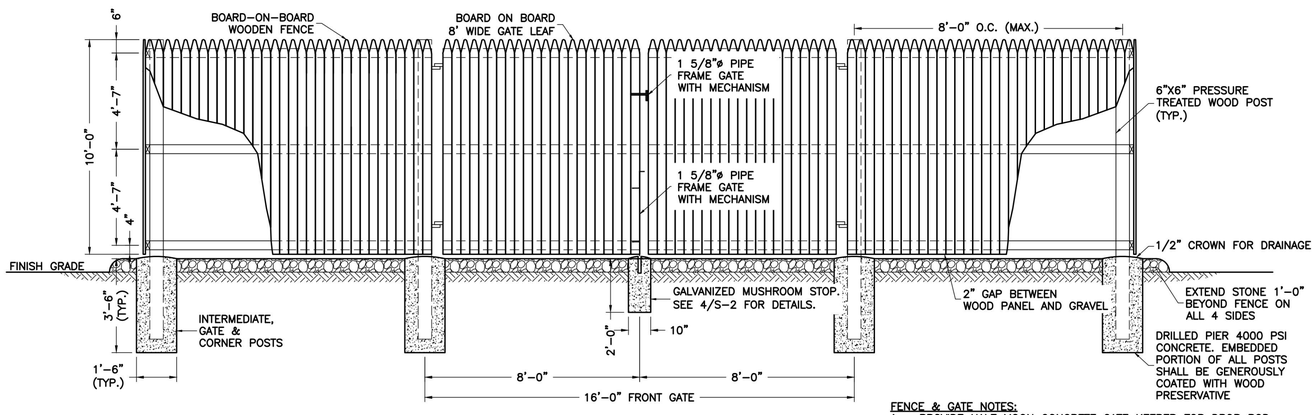
C-3



1 / S-1 GRAVEL COMPOUND DETAIL
NTS

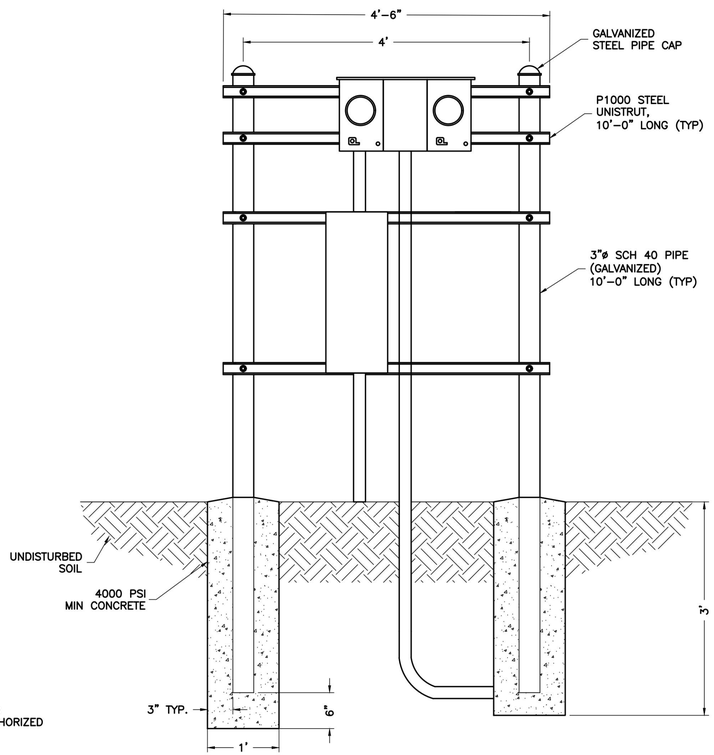


2 / S-1 TYPICAL GATE DETAIL
NTS



3 / S-1 TYPICAL FENCE AND GATE DETAIL
NTS

FENCE & GATE NOTES:
1. PROVIDE HALF MOON CONCRETE GATE KEEPER FOR DROP ROD
2. PROVIDE GATE CATCHES AT REQUIRED LOCATIONS
3. FENCE SHALL BE INSTALLED WITH THE FINISHED SIDE FACING OUTWARD
4. GATE TO BE SECURE WITH A MULTI–LOCK SYSTEM TO PREVENT UNAUTHORIZED ACCESS TO TELECOM FACILITY.



4 / S-1 2-GANG METER BANK H-FRAME
NTS

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120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
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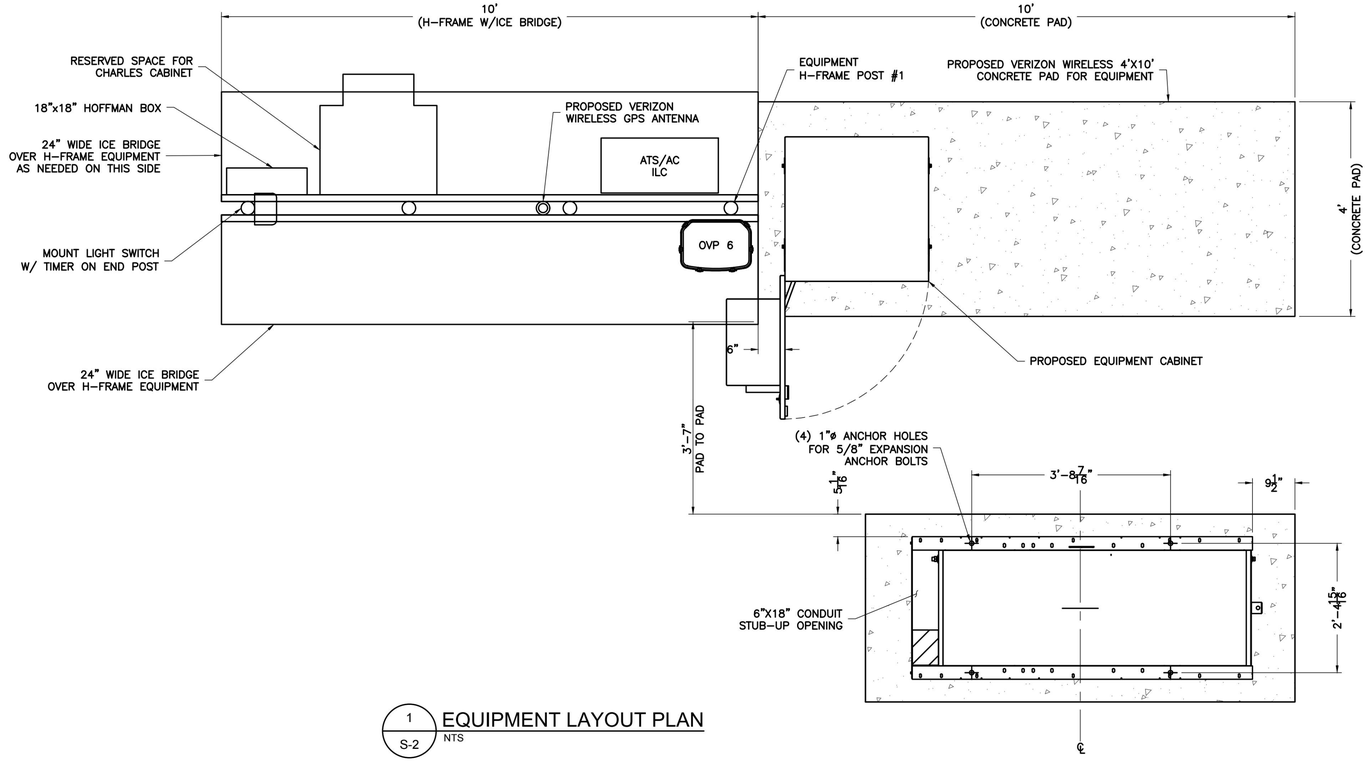
SHEET TITLE

CONSTRUCTION
DETAILS

SHEET NUMBER

S-1





1 / S-2 EQUIPMENT LAYOUT PLAN
NTS

VERIZON WIRELESS EQUIPMENT:

– CHARLES INDUSTRIES CUBE–SS4B231PX2 EQUIPMENT CABINET WITH BATTERY CABINET INCLUDED

CONTRACTOR PROVIDED EQUIPMENT:

* THIS IS NOT A COMPREHENSIVE LIST. IT SHOULD BE ASSUMED BY THE CONTRACTOR THAT ALL OTHER ITEMS DETAILED IN THIS SET OF DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR.

– 26.2" WIDE X 78" TALL X 12.3" DEEP, ASCO D300L SERIES POWER TRANSFER LOAD CENTER MODEL AA300G–1PH–N–3R – INTEGRATED LOAD CENTER "ILC" WITH COMBINATION PADLOCK.

– 22" WIDE X 26" TALL X 20" DEEP, CHARLES INDUSTRIES CUBE–RL1003C–A W/ HEAT EXCHANGER (120V) W/ TRIPP–LITE UPS PART #SM1500RMXL2UTAA INSIDE (ONLY REQUIRED WHEN VzT PROVIDES LIT FIBER. UTILITY COORDINATOR MUST VERIFY IF THIS IS NEEDED)

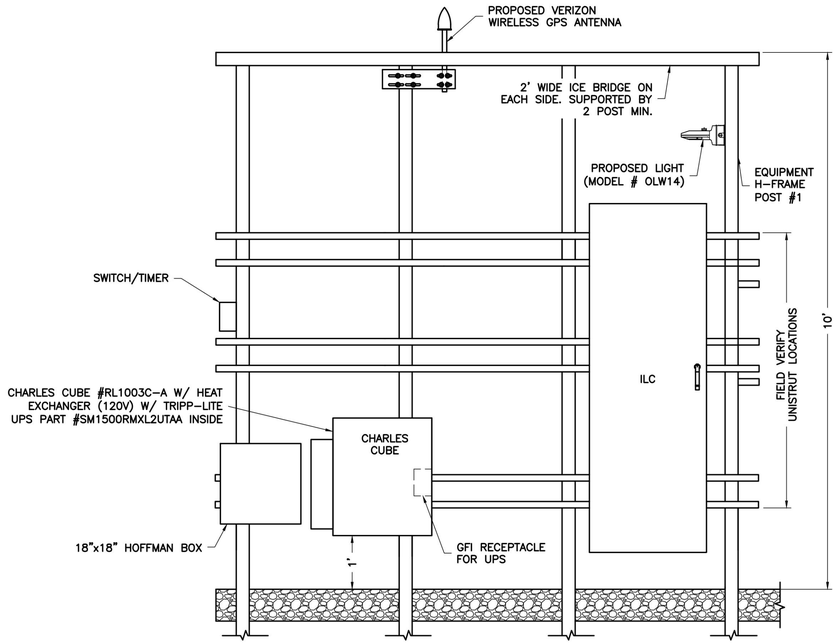
– RAYCAP OVP–6 (RCMDC–3315–PF–48)

– COORDINATE ADDITIONAL ENTRY GATE LOCK(S) WITH CONSTRUCTION MANAGER.

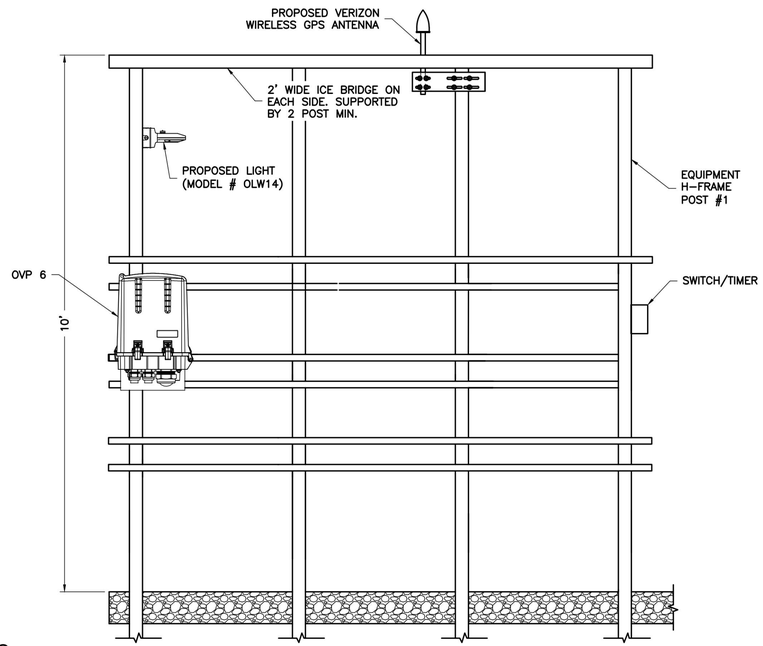
NOTES:

1. SEE SHEET E–1,E–2 & E–3 FOR FOR CABLE/CONDUIT ROUTINGS.

2. BOTTOM OF OVPs SHALL NOT EXCEED 36" ABOVE FINISHED GRADE.



REAR



FRONT

2 / S-2 H-FRAME RISER DETAILS
NTS

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NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
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PROFESSIONAL ENGINEER

ENGINEER

JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

EQUIPMENT MOUNTING DETAILS

SHEET NUMBER

S-2

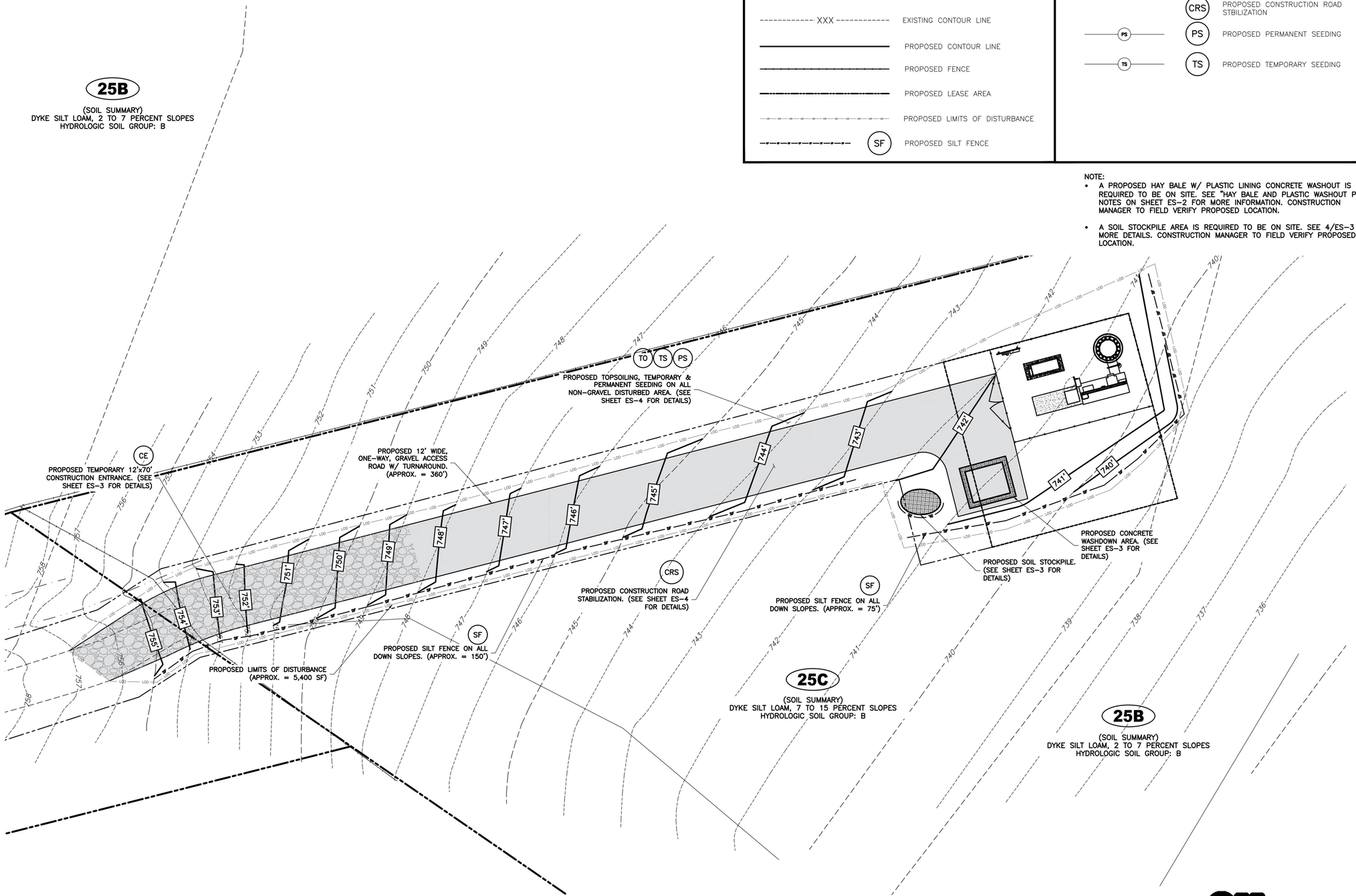
LEGEND

- EXISTING SOIL BOUNDARY
- PROPERTY LINE – SUBJECT PARCEL
- XXX EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- PROPOSED FENCE
- PROPOSED LEASE AREA
- PROPOSED LIMITS OF DISTURBANCE
- SF PROPOSED SILT FENCE
- TP PROPOSED TREE PROTECTION
- CE PROPOSED CONSTRUCTION ENTRANCE
- CRS PROPOSED CONSTRUCTION ROAD STBILIZATION
- PS PROPOSED PERMANENT SEEDING
- TS PROPOSED TEMPORARY SEEDING

TRUE NORTH

25B
(SOIL SUMMARY)
DYKE SILT LOAM, 2 TO 7 PERCENT SLOPES
HYDROLOGIC SOIL GROUP: B

NOTE:
- A PROPOSED HAY BALE W/ PLASTIC LINING CONCRETE WASHOUT IS REQUIRED TO BE ON SITE. SEE "HAY BALE AND PLASTIC WASHOUT PIT" NOTES ON SHEET ES–2 FOR MORE INFORMATION. CONSTRUCTION MANAGER TO FIELD VERIFY PROPOSED LOCATION.
- A SOIL STOCKPILE AREA IS REQUIRED TO BE ON SITE. SEE 4/ES–3 FOR MORE DETAILS. CONSTRUCTION MANAGER TO FIELD VERIFY PROPOSED LOCATION.



1 / ES-1 EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 10'-0"

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 INCH = 10 FEET

811 Know what's below. Call before you dig.

ENGINEER

NB+C TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
1	05/05/22	FINAL ZDs	KLB
0	03/17/22	PRELIMINARY ZDs	KLB

PROFESSIONAL STAMP

COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic. No. 0402052122
05/05/2022
PROFESSIONAL ENGINEER

ENGINEER

JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

EROSION & SEDIMENT CONTROL & GRADING PLAN

SHEET NUMBER

ES-1

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
THE PURPOSE OF THIS PROJECT IS THE CONSTRUCTION OF MONOPOLE TOWER, 190' GRAVEL ACCESS DRIVE, AND FENCED COMPOUND, ALONG WITH ASSOCIATED UTILITIES. THE LEASE AREA OF THE TOWER IS 1,600 SQ.FT.; THE COMPOUND AREA IS 600 SQ.FT.; THE TOTAL DISTURBED AREA IS 5,400 SF.

EXISTING SITE CONDITIONS
THE EXISTING SITE CONDITIONS CONSIST OF OPEN PASTURE AND SPARSE WOODLANDS IN GOOD CONDITION. THE GRADE SLOPES TO THE SOUTH EAST. OUR ACCESS ROAD EXTENDS AN EXISTING GRAVEL ACCESS ROAD THAT CONNECTS TO GREEN WOOD DRIVE.

ADJACENT AREAS
THE ADJACENT AREAS ARE UNDEVELOPED WOODLANDS AND SINGLE FAMILY RESIDENTIAL HOMES. WITH OPEN PASTURE TO THE NORTH EAST AND SOUTH WEST. THE SITE IS BOARDED BY INTERSTATE 64 TO THE NORTH WEST AND GREENWOOD STATION ROAD TO THE WEST.

OFF-SITE AREAS
THERE ARE NO PROPOSED OFF-SITE AREAS ASSOCIATED WITH THIS PROJECT.

SOILS
(25B) DYKE SILT LOAM – 2 TO 7 PERCENT SLOPES
(25C) DYKE SILT LOAM – 7 TO 15 PERCENT SLOPES

CRITICAL AREAS
THERE ARE NO CRITICAL AREAS ASSOCIATED WITH THIS PROJECT.

ESC MEASURES – STRUCTURAL PRACTICES
STRUCTURAL MEASURES TO BE USED ON THE SITE INCLUDE SILT FENCE (VE&SCH SPEC. 3.05), CONSTRUCTION ENTRANCE (VE&SCH SPEC. 3.02), TREE PROTECTION FENCE (VE&SCH SPEC. 3.38), TEMPORARY STOCK PILE (VE&SCH SPEC. 3.30), AND CONCRETE WASHOUT. ALL MEASURES SELECTED ARE STANDARD ESC ITEMS FOR THIS APPLICATION. ANY DISTURBED AREA DENUDED FOR SEVEN DAYS THAT IS NOT IN ACTIVE WORK AREA TO BE TEMPORARILY SEEDED.

ESC MEASURES – VEGETATIVE PRACTICES
VEGETATION PRACTICES INCLUDE TEMPORARY AND PERMANENT SEEDING (VE&SCH SPEC. 3.31 & 3.32).

PERMANENT STABILIZATION
1. UNTIL AN ADEQUATE ROOT SYSTEM IS ESTABLISHED AND IN THE ABSENCE OF ADEQUATE RAINFALL, SODDING (OR WHATEVER VEGETATION IS USED) SHALL BE IRRIGATED AS OFTEN AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. IN GENERAL, WATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE VESCH.
2. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE DONE WITH KENTUCKY 31 TALL FESCUE ACCORDING TO STD. AND SPEC. 3.32, PERMANENT SEEDING, OF THE HANDBOOK. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING. IN ACCORDANCE WITH MINIMUM STANDARD #3, PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
3. THE LOCAL VESCP AUTHORITY REPRESENTATIVE SHALL MAKE THE DETERMINATION AS TO WEATHER OR NOT PERMANENT VEGETATION HAS BEEN ESTABLISHED IN ACCORDANCE WITH MINIMUM STANDARD #3.

UNDERGROUND UTILITY LINE INSTALLATION:
UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:

1. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
2. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
3. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTH, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
4. MATERIAL USED FOR BACKFILLING TRENCHES SHALL BE PROPERLY COMPACTED IN ORDER TO MINIMIZE EROSION AND PROMOTE STABILIZATION.
5. DESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
6. COMPLY WITH APPLICABLE SAFETY REGULATIONS.

CONSTRUCTION SEQUENCE

AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OWNER/OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND THE CONSERVATION DISTRICT TO AN ON-SITE MEETING. ALSO, AT LEAST 3 WORKING DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL VIRGINIA CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE VIRGINIA ONE CALL SYSTEM "MISS UTILITY" INCORPORATED AT 811 FOR BURIED UTILITIES LOCATIONS.

EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS.

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

1. INSTALL ROCK CONSTRUCTION ENTRANCE AND ALL PERIMETER BMP'S AS SHOWN ON THE PLANS.

2. CLEAR TREES AND LIMBS FOR FULL WIDTH OF EASEMENT AND LEASE AREA, GROUND TO SKY.

3. STRIP TOPSOIL FOR THE ACCESS DRIVE AND STORE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS OR LOCATION AS AGREED UPON WITH THE CONSTRUCTION MANAGER.

4. ALL DIVERSIONS, SEDIMENT TRAPS, AND STOCKPILES MUST BE SEEDED AND MULCHED IMMEDIATELY UPON CONSTRUCTION.

5. BEGIN GRADING AND INSTALL GRAVEL, ROADSIDE DITCHES, AND CULVERTS WITH OUTLET PROTECTION.

6. STRIP TOPSOIL ACROSS COMPOUND AND STORE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS OR LOCATION AS AGREED UPON WITH THE CONSTRUCTION MANAGER.

7. GRADE COMPOUND SITE AND INSTALL GRAVEL. IMMEDIATELY STABILIZE FILL AND CUT SLOPES WITH EROSION CONTROL MATTING OR ROCK.

8. ONCE CONSTRUCTION OF COMPOUND AND ACCESS DRIVE IS COMPLETE, BEGIN CONSTRUCTION OF TOWER AND ASSOCIATED FACILITIES AND UTILITIES AS SHOWN ON THE DRAWINGS.

9. IF CONSTRUCTION IS TERMINATED OR SUSPENDED PRIOR TO CONSTRUCTION COMPLETION, ALL EXPOSED SOIL AREAS SHALL BE SEEDED WITH TEMPORARY SEEDING AND MULCHED IMMEDIATELY.

10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENT AND EROSION CONTROL FACILITIES IN EFFECTIVE WORKING ORDER DURING CONSTRUCTION AND UNTIL ALL EXPOSED SOIL AREAS HAVE BEEN STABILIZED.

11. NO EROSION AND SEDIMENT CONTROL MEASURES CAN BE REMOVED WITHOUT APPROVAL OF THE ENVIRONMENTAL INSPECTOR FOR THE PROJECT.

IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE O/RP SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.

AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPS MUST BE STABILIZED IMMEDIATELY.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

1. THE OWNER/DEVELOPER MUST NOTIFY THE ALBEMARLE COUNTY AT LEAST 24 HOURS PRIOR TO THE START OF THE CONSTRUCTION IN ACCORDANCE WITH APPLICABLE ALBEMARLE COUNTY ORDINANCES AND POLICIES.
2. THE OWNER/DEVELOPER GRANTS THE RIGHT-OF-ENTRY ON TO THIS PROPERTY TO THE DESIGNATED ALBEMARLE COUNTY PERSONNEL FOR THE PURPOSE OF INSPECTING AND MONITORING FOR COMPLIANCE WITH TITLE 10.01, CHAPTER 5, ARTICLE 4 OF THE CODE OF VIRGINIA, EROSION AND SEDIMENT CONTROL LAW AND THE DESIGN AND CONSTRUCTION STANDARDS MANUAL SECTION 750.04.
3. ALL EROSION CONTROL MEASURES SHOWN ON THE APPROVED PLAN MUST BE IN PLACE AND INSPECTED AND APPROVED BY THE DEPARTMENT PF PUBLIC WORKS PRIOR TO CLEARING, STRIPPING OF TOPSOIL OR GRADING.
4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND PERMIT SHALL BE KEPT ON THE SITE AT ALL TIMES.
5. THE DEVELOPER/DEVELOPERS'S REPRESENTATIVE IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ALBEMARLE COUNTY.
6. ALL DISTRIBUTED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL COMPLETE AND ADEQUATE STABILIZATION IS ACHIEVED.
7. WATER MUST BE PUMPED INTO AN APPROVED FILTERING DEVICE DURING DEWATERING OPERATIONS.
8. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND THE VIRGINIA REGULATIONS VR 625-02-00 EROSION AND SEDIMENT CONTROL REGULATIONS AND TO AMHERST COUNTY DESIGN AND CONSTRUCTION STANDARDS MANUAL. THE DEVELOPER/DEVELOPER'S REPRESENTATIVE WILL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES AT ALL TIMES.
9. THE DEVELOPERS/ DEVLOPER'S REPRESENTATIVE SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES DAILY AND AFTER EACH SIGNIFICANT RAINFALL THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:
   a. SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
   b. SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NEEDED.
10. SEDIMENT TRAPPING MEASURES WILL BE INSTALLED AS A FIRST STEP IN GRADING AND WILL BE SEEDED AND MULCHED IMMEDIATELY FOLLOWING INSTALLATION.
11. PERMANENT SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZED SHALL BE APPLIED WITH IN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN FOURTEEN (14) DAYS. SEEDING AND SELECTION OF THE SEED MIXTURE SHALL BE IN ACCORDANCE WITH VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK STANDARD AND SPECIFICATION 3.32. ROADS AND PARKING AREAS SHALL BE STABILIZED WITH SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED.
12. ELECTRIC POWER, TELEPHONE, CABLE T.V. AND GAS SUPPLY TRENCHES SHALL BE COMPACTED, SEEDED AND MULCHED WITHIN FIVE DAYS AFTER BACKFILL
13. ALL TEMPORARY EARTH BERMS, DIVERSIONS AND SILT DAMS SHALL BE MULCHED WITHIN FIVE DAYS AFTER GRADING. STRAW OR HAY MULCH IS REQUIRED.
14. DURING CONSTRUCTION ALL STORM SEWER INLETS SHALL BE PROTECTED BY INLET PROTECTION MAINTAINED AN MODIFIED DURING CONSTRUCTION AS REQUIRED.
15. AT THE COMPLETION OF ANY PROJECT CONSTRUCTION AND PRIOR TO BOND RELEASE, ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED.
16. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WILL BE REMOVED WITHIN 30 DAYS AFTER ADEQUATE SITE STABILIZATION AND AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS AUTHORIZED BY THE ALBEMARLE COUNTY INSPECTORS. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES WILL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
17. WHEN SEDIMENT IS TRANSPORTED ONTO A PAVED ROAD SURFACE, THE ROAD WILL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT WILL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING WILL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER.
18. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
19. RPA AN FLOOD PLAIN LIMITS SHALL BE CLEARLY MARKED IN THE FIELD BY FLAGS, SIGNS, ETC.
20. TREE SAVE AREAS SHALL BE CLEARLY MARKED IN THE FIELD BY ORANGE SAFETY FENCE. APPROPRIATE TREE PRESERVATIONS SIGNS (WATERPROOF) TO IDENTIFY TREE PRESERVATION AREA SHALL BE LOCATED ON TREE PROTECTIONS FENCING (INCLUDES SUPER SILT FENCING) AND SHOULD BE LOCATED ALTERNATE BETWEEN ENGLISH AND SPANISH EVERY 30 FEET.
21. ORANGE SAFETY FENCE MUST BE INSTALLED AROUND ALL SILT TRAPS AND SEDIMENT BASINS.

MAINTENANCE

1. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. THE FOLLOWING ITEMS WILL BE CHECKED, IN PARTICULAR:

2. THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.

3. THE SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NEEDED.

4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ECS CONTROLS DURING CONSTRUCTION.

5. INSPECTION TO BE CONDUCTED SHALL BE PER ALBEMARLE COUNTY STANDARDS AND REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL INSPECTIONS.

6. SILT FENCE SHALL BE CHECKED AFTER EACH MAJOR STORM EVENT OR ONCE EVERY FIVE DAYS. SEDIMENT SHALL BE REMOVED AFTER IT BECOMES 1/3 HEIGHT OF SILT FENCE.

7. ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL WILL BE CONSTRUCTED ACCORDING TO THE STANDARDS AND SPECIFICATIONS OF THE VIRGINIA SEDIMENT AND EROSION CONTROL HANDBOOK, 3RD ED, 1992.

SEEDING/ STABILIZATION SPECIFICATIONS

1. TOPSOIL STOCKPILE PROTECTION
A. APPLY GROUND LIMESTONE AT A RATE OF 90LBS. PER 1000 SQ.FT.
B. APPLY FERTILIZER (10-20-10) AT A RATE 11LBS. PER 1000 SQ.FT.
C. APPLY PERENNIAL RYEGRASS SEED AT 170 LB. PER 1 ACRE. AND ANNUAL RYEGRASS AT 170 LB. PER 1 ACRE.
D. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 138 LBS. PER 1000 SQ.FT.
E. PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.

18. TEMPORARY STABILIZATION SPECIFICATIONS
A. APPLY GROUND LIMESTONE AT A RATE OF 184 LBS. PER 1000 SQ.FT.
B. APPLY FERTILIZER (10-20-10) AT A RATE 11 LBS. PER 1000 SQ.FT.
C. APPLY PERENNIAL RYEGRASS SEED AT 170 LB. PER 1 ACRE. AND ANNUAL RYEGRASS AT 170 LB. PER 1 ACRE.
D. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 138 LBS. PER 1000 SQ.FT.
E. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

19. PERMANENT STABILIZATION SPECIFICATIONS
A. APPLY TOPSOIL TO A DEPTH OF 5 INCHES (UNSETTLED)
B. APPLY GROUND LIMESTONE AT A RATE OF 184 LBS. PER 1000 SQ.FT. AND WORK FOUR INCHES INTO SOIL.
C. APPLY FERTILIZER (10-20-10) AT A RATE 11 LBS. PER 1000 SQ.FT.
D. APPLY HARD FESCUE SEED AT 20 LBS. PER 1 ACRE. AND CREEPING RED FESCUE SEED AT 20 LBS. PER 1 ACRE. AND PERENNIAL RYEGRASS SEED AT 20 LBS. PER 1 ACRE. AND TALL FESCUE SEED AT 20 LBS. PER 1 ACRE.
E. MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 138 LBS. PER 1000 SQ.FT.
F. APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

HAY BALE AND PLASTIC WASHOUT PIT

HAY BALE AND PLASTIC WASHOUT PIT TO BE BUILT ABOVE GRADE. THE PLASTIC LINING SHOULD BE MINIMUM 10 MIL THICKNESS, FREE OF TEARS OR HOLES THAT WOULD ALLOW THE WASHWATER TO ESCAPE. AFTER THE PIT IS USED TO WASH DOWN THE CHUTES OF MULTIPLE READY MIXED TRUCKS AND THE WASHWATER HAS EVAPORATED OR HAS BEEN VACUUMED OFF, THE REMAINING HARDENED SOLIDS CAN BE BROKEN UP AND REMOVED FROM THE PIT. THIS PROCESS MAY DAMAGE THE HAY BALES AND PLASTIC LINING. IF DAMAGE OCCURS, THE PIT WILL NEED TO BE REPAIRED AND RELINED WITH NEW PLASTIC. WHEN THE HARDENED SOLIDS ARE REMOVED FROM THE PIT. THE WASTE MATERIAL MUST BE RECYCLED OR DISPOSED OF AT AN APPROVE WASTE FACILITY.

GRADING NOTES

1. SOILS USED FOR ROADWAY SUBGRADE MUST BE COMPACTED SO THAT THE MINIMUM DRY DENSITY ACHIEVED EXCEEDS 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE CONTRACTOR MAY ONLY USE CUT MATERIAL AS FILL IF IT CAN BE COMPACTED TO 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. PROCTOR READING MUST BE INSPECTED AND APPROVED BY A THIRD PARTY DURING ROADWAY CONSTRUCTION.

2. NATIVE TOPSOIL SHALL BE SAVED, STOCKPILED, MULCHED, AND REUSED AS MUCH AS POSSIBLE ON THE SITE. SILTATION FENCE SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNHILL LIMIT TO PROTECT AGAINST EROSION. STOCKPILES WILL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPHILL OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERMS WILL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES. EXCESS CUT SOIL NOT REUSED AS FILL SHALL BE HAULED OFF SITE TO AN APPROVED AND PERMITTED SOIL DISPOSAL SITE AS SOON AS FINAL GRADE HAS BEEN ESTABLISHED.

3. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

4. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.

5. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR ORGANIC MATERIAL THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. ANY ROCK GREATER THAN 12" IN ANY DIRECTION SHOULD BE DISPOSED OF AND NOT USED AS FILL. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.

6. PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL. IF FILL EXCEEDS 4' IN HEIGHT FROM TOE TO CREST, FILL MUST BE BENCHED AND KEYED IN. SEE DETAIL 4/ES-7 FOR DETAILS.

7. PLACE SOIL FILL ON SUB-GRADES FREE OF ORGANIC MATERIAL, MUD, FROST, SNOW, OR ICE

8. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES THICK IN LOOSE DEPTH COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.

9. UNDER ACCESS ROADS WITH MARGINAL TO EXCESSIVE SLOPES AND MARGINAL SUBGRADE, CLEAR, GRUB AND SCARIFY ROAD AREA. INSTALL ONE LAYER OF GEO-TEXTILE FABRIC (US 160 NW OR EQUIVALENT) AND PIN TO SUBGRADE. INSTALL BASE LAYER, AND TRACK IN WITH A BULLDOZER OR SHEEPSFOOT ROLLER, INSTALL SURFACE LAYER, DRESS ROAD AS REQUIRED AFTER CONSTRUCTION WITH MOTOR GRADER AND COMPACT WITH A VIBRATORY ROAD ROLLER.

TOPSOIL SPECIFICATIONS

1. TOPSOIL SPECIFICATIONS
A. THE CONTRACTOR SHALL FURNISH ALL LABOR, SUPERVISION, MATERIAL (EXCEPT AS HEREIN PROVIDED), TOOLS EQUIPMENT, SUPPLIES, AND SERVICES; AND, SHALL PERFORM ALL WORK NECESSARY FOR PROVIDING (TYPE B AS NECESSARY) AND APPLYING TOPSOIL IN ACCORDANCE WITH THE REQUIREMENTS OF THESE SPECIFICATIONS AND IN CONFORMITY TO THE DEPTHS AND LIMITS SHOWN ON THE DRAWINGS OR AS ESTABLISHED BY THE OWNER.
B. PRIOR TO USE OR PLACEMENT, THE CONTRACTOR SHALL SUBMIT CERTIFICATIONS OF SOIL TESTS FOR APPROVAL. SOIL TESTS SHALL BE PROVIDED AT THE RATE OF ONE TEST PER 10,000 SQUARE FEET OF DISTURBED AREA.
C. UNLESS OTHERWISE DIRECTED BY THE OWNER, AREAS DESIGNATED TO RECEIVE TOPSOIL SHALL BE GRADED, SHAPED, AND THEN SCARIFIED OR TILLED BY DISKING, HARROWING, OR OTHER APPROVED METHODS TO A DEPTH OF APPROXIMATELY 2". TOPSOIL SHALL BE APPLIED ONLY WHEN THE SUBSOIL IS IN A LOOSE, FRIABLE CONDITION.
D. THE CONTRACTOR SHALL PROTECT BENCHMARKS, UTILITIES, AND EXISTING TREES, SHRUBS, AND OTHER LANDSCAPE FEATURES DESIGNATED FOR PRESERVATION WITH TEMPORARY FENCING OR BARRICADES SATISFACTORY TO THE OWNER.
E. SUBSOIL ON SLOPES THAT HAVE BEEN HORIZONTALLY GROOVED IN ACCORDANCE WITH THE DRAWINGS SHALL NOT BE LOOSENED.
F. THE LOOSE DEPTH OF THE CLASS OF TOPSOIL SHALL BE NO LESS THAN 4" (NOT LESS THAN 6" IN MEDIANS: AND SHALL BE SUFFICIENT TO ALLOW THE AREA TO CONFORM TO THE ELEVATIONS SHOWN ON THE DRAWINGS AFTER TOPSOIL SETTLES. IN NO CASE SHALL THE CONSOLIDATED FINISH ELEVATION OF TOPSOIL EXCEED THE ELEVATION OF ADJACENT STRUCTURES. CONSOLIDATED ELEVATION SHALL BE FLUSH WITH THE ADJACENT STRUCTURES.
G. AFTER TOPSOIL HAS BEEN APPLIED, LARGE CLODS, HARD LUMPS, AND STONES MORE THAN 1" IN THE GREATEST DIMENSION, BRUSH, ROOTS, STUMPS, LITTER, AND FOREIGN MATERIAL SHALL BE REMOVED FROM THE AREA. WHEN THE OPERATION IS COMPLETE, THE AREA SHALL BE IN A CONDITION TO RECEIVE SEED, SOD, OR PLANTS WITHOUT FURTHER SOIL PREPARATION. AREAS SHALL BE STABILIZED WITHIN 15 DAYS AFTER TOPSOIL IS APPLIED.
H. THE CONTRACTOR SHALL BE REQUIRED TO BACKFILL ALONG EDGES OF CURBS, SIDEWALKS AND ENTRANCES WHERE SETTLEMENT HAS OCCURRED AND RESHAPE AND RESLOPE, WHERE DIRECTED, PRIOR TO PLACEMENT OF TOPSOIL AS WELL AS TO ADD ADDITIONAL TOPSOIL AS REQUIRED DUE TO SETTLEMENT OR EROSION AT NO ADDITIONAL COST TO THE OWNER.

ENGINEER
NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
120 EASTSHORE DRIVE, SUITE 300
GLEN ALLEN, VA 23059
804-548-4079

APPLICANT
verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION
SCRUBY TIER III PERSONAL WIRELESS FACILITY
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DESIGN RECORD
REVISIONS

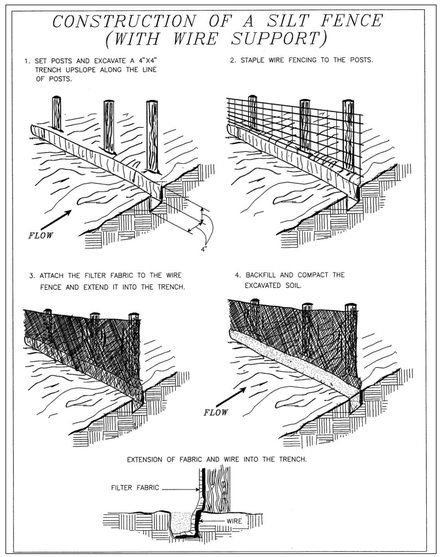
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1	05/05/22	FINAL ZDs	KLB
0	03/17/22	PRELIMINARY ZDs	KLB

PROFESSIONAL STAMP
COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic No. 0402052122
05/05/2022
PROFESSIONAL ENGINEER

ENGINEER
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE
EROSION & SEDIMENT CONTROL NOTES

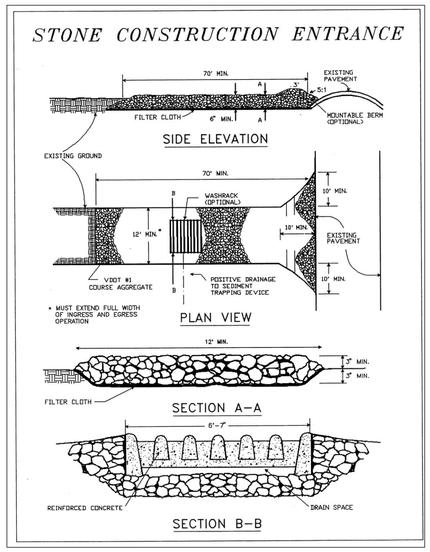
SHEET NUMBER
ES-2



NOTE: ALL SILT FENCES ARE TO USE 36 INCH FABRIC AND STAKED WITH 2"X2" HARDWOOD STAKES ON 6' CENTERS

VESCH 3.05 SILT FENCE

1 / ES-3 STANDARD FILTER FABRIC FENCE NTS — SF



VESCH 3.02 TEMPORARY CONSTRUCTION ENTRANCE

2 / ES-3 ROCK CONSTRUCTION ENTRANCE NTS — CE

TABLE 3.32-C
SITE SPECIFIC SEEDING MIXTURES FOR APPALACHIAN/MOUNTAIN AREA

	Total Lbs. Per Acre
Minimum Care Lawn	
- Commercial or Residential	200-250 lbs.
- Kentucky 31 or Turf-Type Tall Fescue	90-100%
- Improved Perennial Ryegrass *	0-10%
- Kentucky Bluegrass	0-10%
High-Maintenance Lawn	
Minimum of three (3) up to five (5) varieties of bluegrass from approved list for use in Virginia.	125 lbs.
General Slope (3:1 or less)	
- Kentucky 31 Fescue	128 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop **	20 lbs.
	150 lbs.
Low-Maintenance Slope (Steeper than 3:1)	
- Kentucky 31 Fescue	108 lbs.
- Red Top Grass	2 lbs.
- Seasonal Nurse Crop **	20 lbs.
- Crownvetch ***	20 lbs.
	150 lbs.

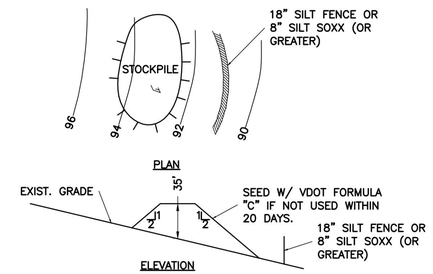
* Perennial Ryegrass will germinate faster and at lower soil temperatures than fescue, thereby providing cover and erosion resistance for seedbed.

** Use seasonal nurse crop in accordance with seeding dates as stated below:
March, April through May 15th ..... Annual Rye
May 16th through August 15th ..... Foxtail Millet
August 16th through September, October ..... Annual Rye
November through February ..... Winter Rye

*** If Flatpea is used, increase to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may also be included in any slope or low-maintenance mixture during warmer seeding periods; add 10-20 lbs/acre in mixes.

VESCH 3.32 PERMANENT SEEDING

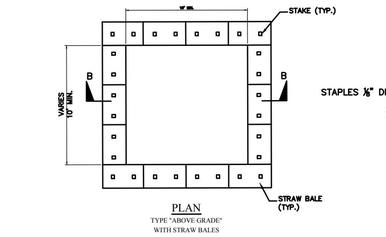
3 / ES-3 PERMANENT SEEDING NTS — PS

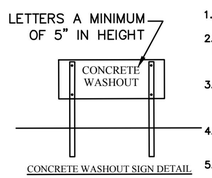


NOTES:

1. INSTALL SILT FENCE DOWNSLOPE OF AREA OF STOCKPILE.
2. PLACE STOCKPILE IN AREAS SHOWN ON EROSION CONTROL PLAN WITHOUT BLOCKING NATURAL DRAINAGE PATTERNS.
3. FOLLOW DIMENSIONS SHOWN ABOVE. HEIGHT SHOULD NOT EXCEED 35 FT. SIDE SLOPES SHOULD NOT BE STEEPER THAN 2(H):1(V).
4. SEED IMMEDIATELY IF MATERIAL IS NOT TO BE USED WITHIN 20 DAYS. FOLLOW "SEEDING, FERTILIZATION SCHEDULE & SPECIFICATIONS."
5. LOCATION(S) AND SIZE(S) OF SOIL STOCKPILES ARE APPROXIMATE AND SHALL BE ADJUSTED PER FIELD AND CONSTRUCTION SEQUENCE CONDITIONS. CONTRACTOR SHALL VERIFY REQUIRED SIZE(S). REQUIREMENTS FROM THE STANDARDS DETAIL MUST BE FOLLOWED FOR STOCKPILES.

4 / ES-3 TOPSOIL STOCKPILE AND MAINTENANCE NTS





NOTES:

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. INSTALL CONCRETE WASHOUT SIGN (24"X24", MINIMUM) WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. TEMPORARY WASHOUT AREA MUST BE AT LEAST 50' FROM A STORM DRAIN, CREEK BANK OR PERIMETER CONTROL.
4. CLEAN OUT CONCRETE WASHOUT AREA WHEN 50% FULL.
5. THE KEY TO FUNCTIONAL CONCRETE WASHOUTS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR CLEAN OUT.
6. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF CONCRETE WASHOUT AREA EXCEPT FOR THE SIDE UTILIZED FOR ACCESSING THE WASHOUT.
7. A ROCK CONSTRUCTION ENTRANCE MAY BE NECESSARY ALONG ONE SIDE OF THE WASHOUT TO PROVIDE VEHICLE ACCESS.

5 / ES-3 CONCRETE WASHOUT NTS

TABLE 3.31-B

ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS

"QUICK REFERENCE FOR ALL REGIONS"

Planting Dates	Species	Rate (lbs./acre)
Sept. 1 - Feb. 15	50/50 Mix of Annual Ryegrass (Lolium multi-florum) & Cereal (Winter) Rye (Secale cereale)	50 - 100
Feb. 16 - Apr. 30	Annual Ryegrass (Lolium multi-florum)	60 - 100
May 1 - Aug 31	German Millet (Setaria italica)	50

VESCH 3.31 TEMPORARY SEEDING

6 / ES-3 TEMPORARY SEEDING NTS — TS

ENGINEER

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NB+C ENGINEERING SERVICES, LLC.
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GLEN ALLEN, VA 23059
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

SCRUBY TIER III PERSONAL WIRELESS FACILITY
VERIZON RAW LAND
GREENWOOD STATION ROAD
GREENWOOD, VA 22943
ALBEMARLE COUNTY

DESIGN RECORD

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SHEET TITLE

EROSION & SEDIMENT CONTROL DETAILS I

SHEET NUMBER

ES-3