PATTERSON MILL
50064
TBD PATTERSON MILL LN.
CROZET, VA 22932

PROPOSED INSTALLATION OF A
98.5' MONOPOLE TELECOMMUNICATIONS TOWER

CONTRACTOR & SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE:
INTERNATIONAL BUILDING CODE (IBC), 2015 AS ADOPTED BY THE STATE OF VIRGINIA.

ELECTRICAL CODE:
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - 2015, NATIONAL ELECTRICAL CODE (NEC 2014), AS ADOPTED BY THE STATE OF VIRGINIA.

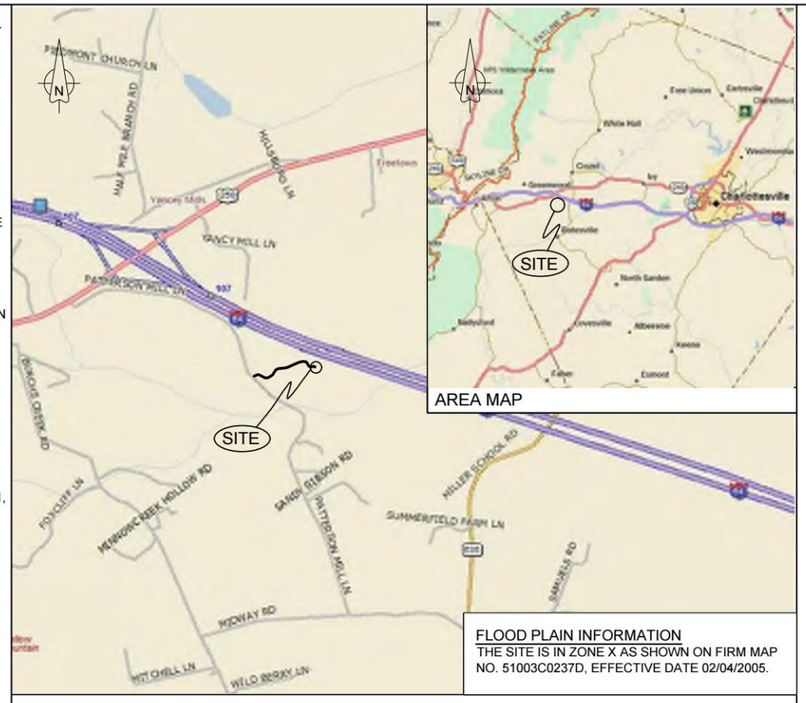
LIGHTNING PROTECTION CODE:
NFPA 780 - 2015, LIGHTNING PROTECTION CODE.

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS.
AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION FOURTEENTH EDITION
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, (ADDENDUM 4, 222-G-4, DATED 2014). STRUCTURAL STANDARD FOR STEEL ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES:
TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM
IEEE 1100 (2012) RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C62.41, RECOMMENDED PRACTICES ON SURGE VOLTAGES IN LOW VOLTAGE AC POWER CIRCUITS (FOR LOCATION CATEGORY "C3" AND "HIGH SYSTEM EXPOSURE")

IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION



AREA MAP

FLOOD PLAIN INFORMATION
THE SITE IS IN ZONE X AS SHOWN ON FIRM MAP NO. 51003C0237D, EFFECTIVE DATE 02/04/2005.

VICINITY MAP

DESIGN ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

CONSULTANT TEAM DWG BY: WKM

SITE DIRECTIONS

FROM WAYNESBORO, VA: HEAD EAST ON I-64 E FOR 12.3 MILES TO EXIT 107 (US ROUTE 250). AT END OF RAMP BEAR RIGHT ONTO WESTBOUND US ROUTE 250. FOLLOW US ROUTE 250 FOR 0.14 MILES TO PATTERSON MILL LANE. TURN LEFT (EAST) ONTO PATTERSON MILL LANE AND FOLLOW FOR 0.72 MILES TO DRIVEWAY ON THE LEFT SIDE OF PATTERSON MILL ROAD. DRIVEWAY ENTRANCE IS LOCATED AT: N38° 02' 20.94", W78° 43' 08.89". TURN LEFT ONTO DRIVEWAY AND PROCEED FOR 75 FEET. TURN RIGHT AND FOLLOW ROAD FOR 0.2 MILES. TURN LEFT ONTO GRAVEL ACCESS ROAD AND FOLLOW FOR 95 FEET. TOWER IS LOCATED 33 FEET ON THE RIGHT SIDE OF GRAVEL ACCESS.

DIRECTIONS TO SITE

SITE NAME
PATTERSON MILL

SITE NUMBER
50064

SITE ADDRESS
TBD PATTERSON MILL LN
CROZET, VA 22932

PROPERTY OWNER
PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932
PARCEL ID: 07100-00-00-037J0

SITE DATA
NAD 83 LATITUDE - N38° 02' 22.61" (N38.039614°)
NAD 83 LONGITUDE - W78° 42' 55.66" (W78.715461°)
ELEVATION (NAVD 88): 676.3 ± AMSL

LEASE AREA
900 SQUARE FEET

PROJECT DESCRIPTION
INSTALLATION OF 98.5' MONOPOLE TOWER WITHIN A 20' x 20' FENCED COMPOUND. NEW UTILITY RUNS TO SITE.

JURISDICTION
ALBEMARLE COUNTY

CONTACTS
SHENTEL (CONSTRUCTION)
NATE BRADLEY
(540) 241-4687 - MOBILE
nathaniel.bradley@emp.shentel.com

SHENTEL (SITE ACQUISITION)
JESSIE WILMER
(540) 984-4657 - OFFICE
(540) 241-5060 - MOBILE
jessica.wilmer@emp.shentel.com

MEAD & HUNT
CURTIS PAXTON
(304) 553-8103 - PHONE
400 TRACY WAY , SUITE 200
CHARLESTON, WV 25311
curtis.paxton@meadhunt.com

PROJECT INFORMATION

SHEET T-1	TITLE SHEET
SHEET L-1	LEASE MAP
SHEET R-1	RADIUS MAP
SHEET R-2	RADIUS MAP
SHEET R-3	OWNER INDEX
SHEET P-1	TREE SURVEY
SHEET C-1	PROPOSED SITE PLAN
SHEET C-2	PROPOSED GRADING / E&SC PLAN
SHEET C-3	CIVIL DETAILS
SHEET C-4	CIVIL DETAILS
SHEET C-5	EQUIPMENT LAYOUT PLAN
SHEET C-6	HYBRID-FLEX CABLE DIAGRAM
SHEET E-1	UTILITY SERVICE PLAN
SHEET E-2	UTILITY SERVICE PLAN
SHEET G-1	GROUNDING PLAN (TOWER SITE)
SHEET G-2	GROUNDING PLAN (EQUIPMENT FRAME)
SHEET A-1	ANTENNA CONFIGURATION
SHEET A-2	TOWER ELEVATION
SHEET D-1	MISCELLANEOUS DETAILS
SHEET D-2	MISCELLANEOUS DETAILS
SHEET D-3	MISCELLANEOUS DETAILS
SHEET D-4	MISCELLANEOUS DETAILS
SHEET D-5	EQUIPMENT FRAME DETAILS
SHEET D-6	EQUIPMENT FRAME DETAILS
SHEET D-7	H-FRAME DETAILS
SHEET D-8	SECTOR FRAME DETAILS
SHEET D-9	PPC CABINET DETAILS
SHEET D-10	ELECTRICAL NOTES
SHEET D-11	CABLE INSTALLATION NOTES
SHEET D-12	GENERAL NOTES

SHEET INDEX

POLICE/FIRE/RESCUE
911

ELECTRIC POWER
CENTRAL VIRGINIA ELECTRIC COOPERATIVE
CONTACT: CUSTOMER SERVICE
PHONE#: 800-367-2832

TELEPHONE
CENTURYLINK
CONTACT: CUSTOMER SERVICE
PHONE#: 855-234-1903

SHENTEL NOC
(800) 768-5220 - PHONE

EMERGENCY AND UTILITY CONTACTS

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

TITLE SHEET

SHEET T-1

NOTES:
1. THIS IS NOT A BOUNDARY SURVEY.
2. THE INTENT OF THIS SURVEY IS TO LOCATE A 900 SQ. FT. TRACT OF LAND, SITUATED IN YANCEY MILL IN THE SAMUEL MILLER MAGISTERIAL DISTRICT, ALBEMARLE COUNTY, VIRGINIA, LOCATED ON PROPERTY NOW OR FORMERLY OWNED BY PATRICIA W. PATTERSON, AS RECORDED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF ALBEMARLE COUNTY, VIRGINIA IN DEED BOOK 1027 AT PAGE 207D. THE LOCATION OF EXTERIOR BOUNDARY LINES OF THE PARENT TRACT AND ADJOINING PARCELS AS SHOWN ON THESE PLANS HEREIN ARE BASED UPON DEED DESCRIPTIONS, EXISTING SURVEY INFORMATION, AND HAVE BEEN RELATED TO MONUMENTS RECOVERED IN THE FIELD. THESE DRAWINGS DO NOT REPRESENT A BOUNDARY SURVEY OF THE PARENT OR ADJOINING TRACT(S) OF LAND.
3. THE HORIZONTAL AND VERTICAL DATUM ARE BASED ON FIELD WORK COMPLETED BY ENCOMPASS ON FEBRUARY 24, 2021 AND POST-PROCESSED OBSERVATIONS UTILIZING A TRIMBLE 5800 UNIT BASED ON NAD83 (2011) AND NAVD88 (GEOID12B).
4. ALL BEARINGS ARE BASED UPON THE VIRGINIA STATE PLANE COORDINATE SYSTEM NAD83 (2011) SOUTH ZONE. ALL DISTANCES SHOWN ARE HORIZONTAL UNIT GRID DISTANCES.
5. ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAP NUMBER 51003C0237D EFFECTIVE DATE FEBRUARY 4, 2005, THE PROPOSED TELECOMMUNICATIONS SITE IS LOCATED IN ZONE "X".
6. NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SURVEY.
7. THIS PLAT IS SUBJECT TO INFORMATION REVEALED BY A COMPLETE TITLE SEARCH, AND A COMPLETE RETRACEMENT ACCORDING TO THE SAME.

REFERENCES:
PLAT SHOWING A SUBDIVISION OF TAX MAP 71, PARCEL 37J LOCATED ON STATE ROUTE 824 PATTERSON MILL ROAD, SAMUEL MILLER DISTRICT, ALBEMARLE COUNTY, VA, PREPARED BY S.L. KEY, INC., SURVEYORS, DATED OCTOBER 4, 1993 AND REVISED APRIL 6, 1994.

PLAT SHOWING PARCEL "H" BEING A PORTION OF TAX MAP 71, PARCEL 37J AND TO BECOME A PART OF PARCEL "G", PREPARED BY S.L. KEY, INC., SURVEYORS, DATED DECEMBER 23, 1999

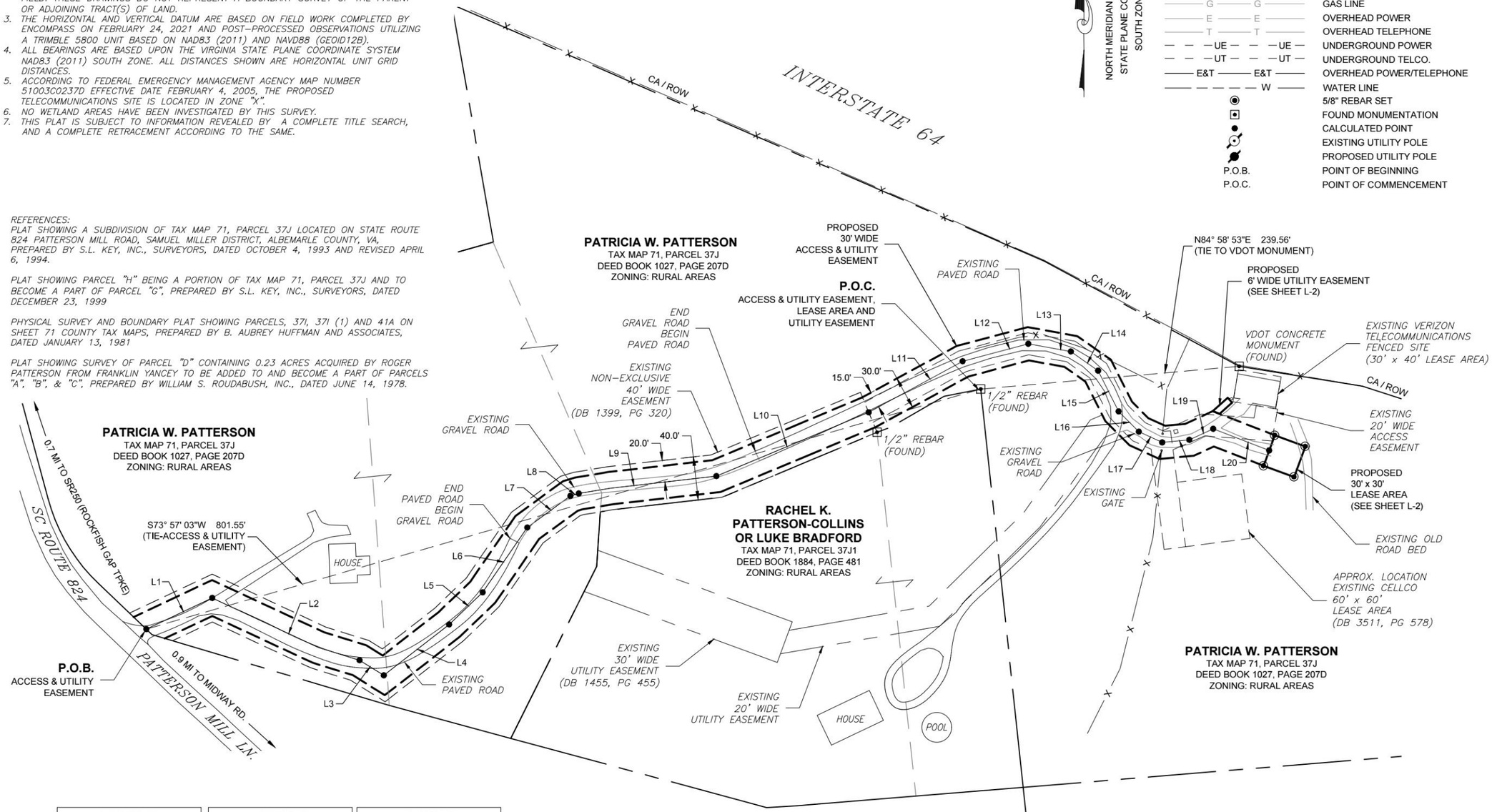
PHYSICAL SURVEY AND BOUNDARY PLAT SHOWING PARCELS, 37I, 37I (1) AND 41A ON SHEET 71 COUNTY TAX MAPS, PREPARED BY B. AUBREY HUFFMAN AND ASSOCIATES, DATED JANUARY 13, 1981

PLAT SHOWING SURVEY OF PARCEL "D" CONTAINING 0.23 ACRES ACQUIRED BY ROGER PATTERSON FROM FRANKLIN YANCEY TO BE ADDED TO AND BECOME A PART OF PARCELS "A", "B", & "C", PREPARED BY WILLIAM S. ROUDABUSH, INC., DATED JUNE 14, 1978.

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)

LEGEND

	PROPERTY LINE
	TRACT LINE
	LEASE LINE
	ROW LINE
x x	EXISTING FENCE LINE
xx xx	PROPOSED FENCE LINE
G G	GAS LINE
E E	OVERHEAD POWER
T T	OVERHEAD TELEPHONE
UE UE	UNDERGROUND POWER
UT UT	UNDERGROUND TELCO.
E&T E&T	OVERHEAD POWER/TELEPHONE
W	WATER LINE
	5/8" REBAR SET
	FOUND MONUMENTATION
	CALCULATED POINT
	EXISTING UTILITY POLE
	PROPOSED UTILITY POLE
P.O.B.	POINT OF BEGINNING
P.O.C.	POINT OF COMMENCEMENT



GRAPHIC SCALE
100 50 0 100
1 INCH = 100 FEET

LINE TABLE		
LINE	BEARING	LENGTH
L1	N64°45'20"E	67.32'
L2	S65°00'36"E	108.06'
L3	S58°07'31"E	26.36'
L4	N52°07'35"E	76.41'
L5	N46°12'51"E	42.92'
L6	N34°31'28"E	72.60'
L7	N53°45'10"E	49.35'

LINE TABLE		
LINE	BEARING	LENGTH
L8	N73°40'15"E	8.00'
L9	N83°30'56"E	98.29'
L10	N67°18'55"E	86.95'
L11	N61°27'09"E	98.64'
L12	N75°07'38"E	62.73'
L13	S79°45'48"E	39.91'
L14	S54°48'14"E	30.80'

LINE TABLE		
LINE	BEARING	LENGTH
L15	S26°43'33"E	42.09'
L16	S45°01'15"E	26.42'
L17	S65°14'27"E	23.71'
L18	N84°36'53"E	25.19'
L19	N65°11'30"E	24.25'
L20	S68°47'47"E	55.37'

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	191 PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN. CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	FINAL	04/19/21
3	REVISED FINAL	05/05/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

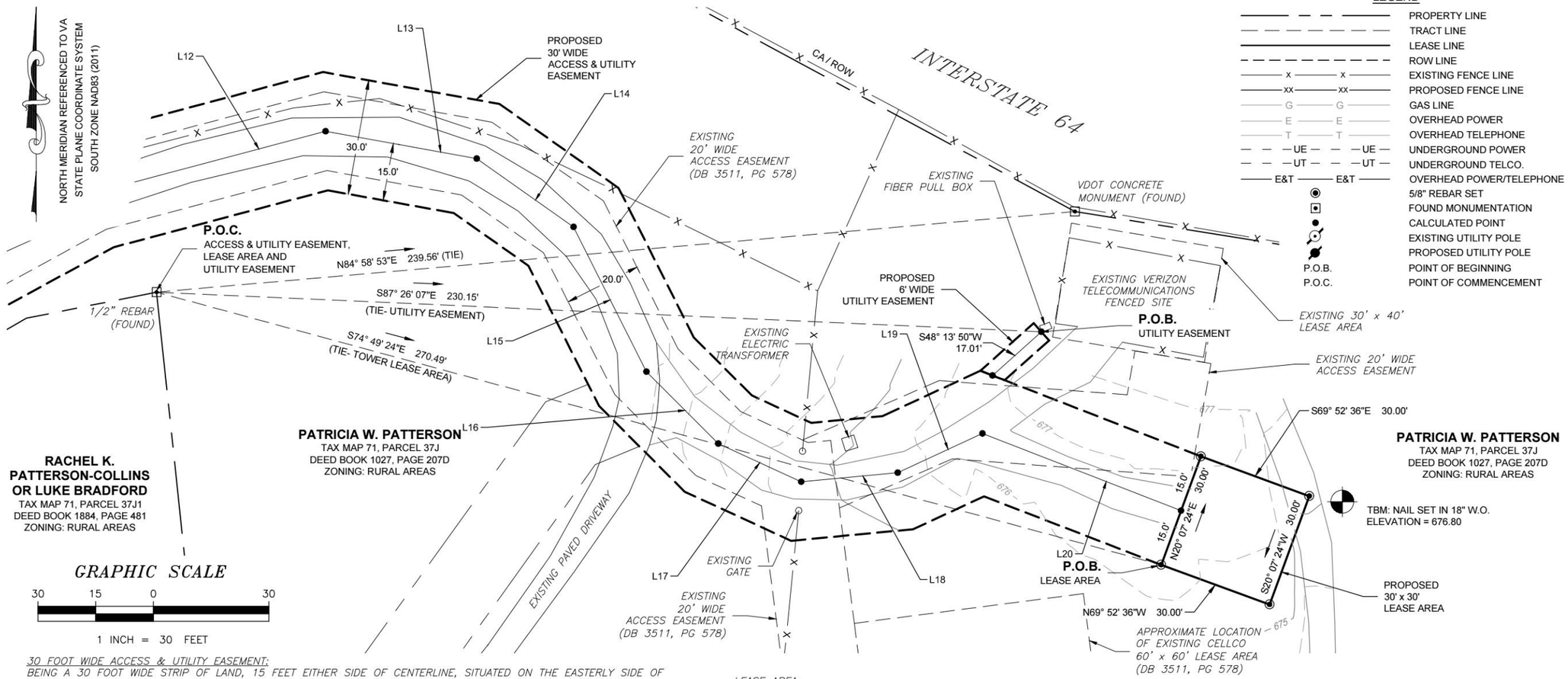
1370 WASHINGTON PIKE
SUITE 308
BRIDGEVILLE, PA 15017
(412) 564-5215 PHONE

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

LEASE MAP

SHEET L-1



GRAPHIC SCALE

30 15 0 30

1 INCH = 30 FEET

30 FOOT WIDE ACCESS & UTILITY EASEMENT:

BEING A 30 FOOT WIDE STRIP OF LAND, 15 FEET EITHER SIDE OF CENTERLINE, SITUATED ON THE EASTERLY SIDE OF PATTERSON MILL LN. (SC ROUTE 824) IN THE SAMUEL MILLER DISTRICT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA AND BEING A PORTION OF PROPERTY NOW OR FORMERLY OWNED BY PATRICIA W. PATTERSON, AS RECORDED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA IN DEED BOOK 1027 AT PAGE 207D; SAID CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A 1/2" REBAR (FOUND); SAID REBAR BEING THE NORTHERLY CORNER OF PROPERTY NOW OR FORMERLY OWNED BY RACHEL K. PATTERSON–COLLINS OR LUKE BRADFORD AS RECORDED IN SAID CLERK'S OFFICE IN DEED BOOK 1884 AT PAGE 481 AND BEING A COMMON CORNER TO THE AFOREMENTIONED PATTERSON PROPERTY FROM WHICH A CONCRETE VDOT MONUMENT (FOUND) BEARS WITNESS AT N 84° 58' 53" E, 239.56 FEET; THENCE FROM SAID 1/2" REBAR (FOUND) S 73° 57' 03" W, 801.55 FEET TO A POINT; SAID POINT BEING IN THE RIGHT OF WAY LINE OF PATTERSON MILL LN. (SC ROUTE 824) AND BEING AT THE CENTERLINE OF AN EXISTING 40 FOOT WIDE EASEMENT; AS RECORDED IN DEED BOOK 1399 AT PAGE 320; THENCE WITH THE MEANDERS OF SAID EXISTING 40 FOOT WIDE EASEMENT, AND THROUGH THE AFOREMENTIONED PATTERSON PROPERTY THE FOLLOWING TEN (10) COURSES:
(1) N 64° 45' 20" E, 67.32 FEET TO A POINT;
(2) S 65° 00' 36" E, 108.06 FEET TO A POINT;
(3) S 58° 07' 31" E, 26.36 FEET TO A POINT;
(4) N 52° 07' 35" E, 76.41 FEET TO A POINT;
(5) N 46° 12' 51" E, 42.92 FEET TO A POINT;
(6) N 34° 31' 28" E, 72.60 FEET TO A POINT;
(7) N 53° 45' 10" E, 49.35 FEET TO A POINT;
(8) N 73° 40' 15" E, 8.00 FEET TO A POINT;
(9) N 83° 30' 56" E, 98.29 FEET TO A POINT;
(10) N 67° 18' 55" E, 86.95 FEET TO A POINT; SAID POINT BEING THE END OF THE EXISTING 40 FOOT WIDE EASEMENT; THENCE CONTINUING THROUGH THE AFOREMENTIONED PATTERSON PROPERTY THE FOLLOWING TEN (10) COURSES:
(11) N 61° 27' 09" E, 98.64 FEET TO A POINT;
(12) N 75° 07' 38" E, 62.73 FEET TO A POINT;
(13) S 79° 45' 48" E, 39.91 FEET TO A POINT;
(14) S 54° 48' 14" E, 30.80 FEET TO A POINT;
(15) S 26° 43' 33" E, 42.09 FEET TO A POINT;
(16) S 45° 01' 15" E, 26.42 FEET TO A POINT;
(17) S 65° 14' 27" E, 23.71 FEET TO A POINT;
(18) N 84° 36' 53" E, 25.19 FEET TO A POINT;
(19) N 65° 11' 30" E, 24.25 FEET TO A POINT;
(20) S 68° 47' 47" E, 55.37 FEET TO A POINT IN THE WESTERLY LINE OF A 30 FOOT BY 30 FOOT (900 SQ. FT.) TOWER LEASE AREA; SAID POINT BEING N20° 07' 24" E, 15.00 FEET FROM THE SOUTHWESTERLY CORNER OF SAID TOWER LEASE AREA; SAID POINT ALSO BEING THE TERMINUS OF THE HEREIN DESCRIBED ACCESS AND UTILITY EASEMENT CONTAINING 35,995.29 SQ. FT. (0.826 ACRES), MORE OR LESS.

LEASE AREA:

BEING A 30 FOOT BY 30 FOOT TRACT OF LAND, SITUATED ON THE EASTERLY SIDE OF PATTERSON MILL LN. (VIRGINIA STATE ROUTE 824) IN THE SAMUEL MILLER DISTRICT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA AND BEING A PORTION OF PROPERTY NOW OR FORMERLY OWNED BY PATRICIA W. PATTERSON, AS RECORDED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA IN DEED BOOK 1027 AT PAGE 207D; SAID 30 FOOT BY 30 FOOT TRACT BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A 1/2" REBAR (FOUND); SAID REBAR BEING THE NORTHERLY CORNER OF PROPERTY NOW OR FORMERLY OWNED BY RACHEL K. PATTERSON–COLLINS OR LUKE BRADFORD AS RECORDED IN SAID CLERK'S OFFICE IN DEED BOOK 1884 AT PAGE 481 AND BEING A COMMON CORNER TO THE AFOREMENTIONED PATTERSON PROPERTY FROM WHICH A CONCRETE VDOT MONUMENT (FOUND) BEARS WITNESS AT N 84° 58' 53" E, 239.56 FEET; THENCE FROM SAID 1/2" REBAR (FOUND) S 75° 49' 24" E, 270.49 FEET TO A 5/8" REBAR (SET); SAID REBAR BEING THE TRUE POINT OF BEGINNING; THENCE THROUGH THE AFOREMENTIONED PATTERSON PROPERTY THE FOLLOWING FOUR (4) COURSES:
(1) N 20° 07' 24" E, 30.00 FEET TO A 5/8" REBAR (SET);
(2) S 69° 52' 36" E, 30.00 FEET TO A 5/8" REBAR (SET);
(3) S 20° 07' 24" W, 30.00 FEET TO A 5/8" REBAR (SET);
(4) N 69° 52' 36" W, 30.00 FEET TO THE TRUE POINT OF BEGINNING CONTAINING 900 SQ. FT. (.021 ACRES), MORE OR LESS.

6 FOOT WIDE UTILITY EASEMENT:

BEING A 6 FOOT WIDE STRIP OF LAND, 3 FEET EITHER SIDE OF CENTERLINE, SITUATED ON THE EASTERLY SIDE OF PATTERSON MILL LN. (VIRGINIA STATE ROUTE 824) IN THE SAMUEL MILLER DISTRICT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA AND BEING A PORTION OF PROPERTY NOW OR FORMERLY OWNED BY PATRICIA W. PATTERSON, AS RECORDED IN THE OFFICE OF THE CLERK OF THE CIRCUIT COURT OF ALBEMARLE COUNTY, COMMONWEALTH OF VIRGINIA IN DEED BOOK 1027 AT PAGE 207D; SAID CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT A 1/2" REBAR (FOUND); SAID REBAR BEING THE NORTHERLY CORNER OF PROPERTY NOW OR FORMERLY OWNED BY RACHEL K. PATTERSON–COLLINS OR LUKE BRADFORD AS RECORDED IN SAID CLERK'S OFFICE IN DEED BOOK 1884 AT PAGE 481 AND BEING A COMMON CORNER TO THE AFOREMENTIONED PATTERSON PROPERTY FROM WHICH A CONCRETE VDOT MONUMENT (FOUND) BEARS WITNESS AT N 84° 58' 53" E, 239.56 FEET; THENCE FROM SAID 1/2" REBAR (FOUND) S 87° 26' 07" E, 230.15 FEET TO A POINT; SAID POINT BEING AT OR NEAR AN EXISTING FIBER PULL BOX AND BEING THE TRUE POINT OF BEGINNING; THENCE THROUGH THE AFOREMENTIONED PATTERSON PROPERTY S 48° 13' 50" W, 17.01 FEET TO A POINT; SAID POINT BEING ON THE NORTHERLY LINE OF A 30 FOOT WIDE ACCESS & UTILITY EASEMENT AND BEING THE TERMINUS OF THE HEREIN DESCRIBED UTILITY EASEMENT CONTAINING 102.13 SQ. FT. (0.002 ACRES), MORE OR LESS.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	191 PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN. CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	FINAL	04/19/21
3	REVISED FINAL	05/05/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

1370 WASHINGTON PIKE
SUITE 308
BRIDGEVILLE, PA 15017
(412) 564-5215 PHONE

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

LEASE MAP

SHEET L-2

NORTH MERIDIAN REFERENCED TO VA
STATE PLANE COORDINATE SYSTEM
SOUTH ZONE NAD83 (2011)

LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE

INTERSTATE 64

PROPOSED
30' WIDE
ACCESS & UTILITY
EASEMENT

1/2" REBAR
(FOUND)

VDOT CONCRETE
MONUMENT (FOUND)

EXISTING 30' x 40'
LEASE AREA
(TOWER HEIGHT 96.8')

EXISTING
FIBER PULL BOX

PROPOSED
6' WIDE
UTILITY EASEMENT

EXISTING VERIZON
TELECOMMUNICATIONS
FENCED SITE

EXISTING
ELECTRIC
TRANSFORMER

75' ± (TO PL)

PROPOSED
98.5' MONOPOLE

PATRICIA W. PATTERSON
TAX MAP 71, PARCEL 37J
DEED BOOK 1027, PAGE 207D
ZONING: RURAL AREAS

PATRICIA W. PATTERSON
TAX MAP 71, PARCEL 37J
DEED BOOK 1027, PAGE 207D
ZONING: RURAL AREAS

EXISTING PAVED DRIVEWAY

EXISTING
GATE

272' ± (TO PL)

948' ± (TO PL)

**RACHEL K.
PATTERSON-COLLINS
OR LUKE BRADFORD**
TAX MAP 71, PARCEL 37J1
DEED BOOK 1884, PAGE 481
ZONING: RURAL AREAS

PROPOSED
30' x 30'
LEASE AREA

98.5' RADIUS

APPROXIMATE LOCATION
OF EXISTING 60' x 60'
LEASE AREA

285' ± (TO PL)

677
676
675

GRAPHIC SCALE
30 15 0 30
1 INCH = 30 FEET

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

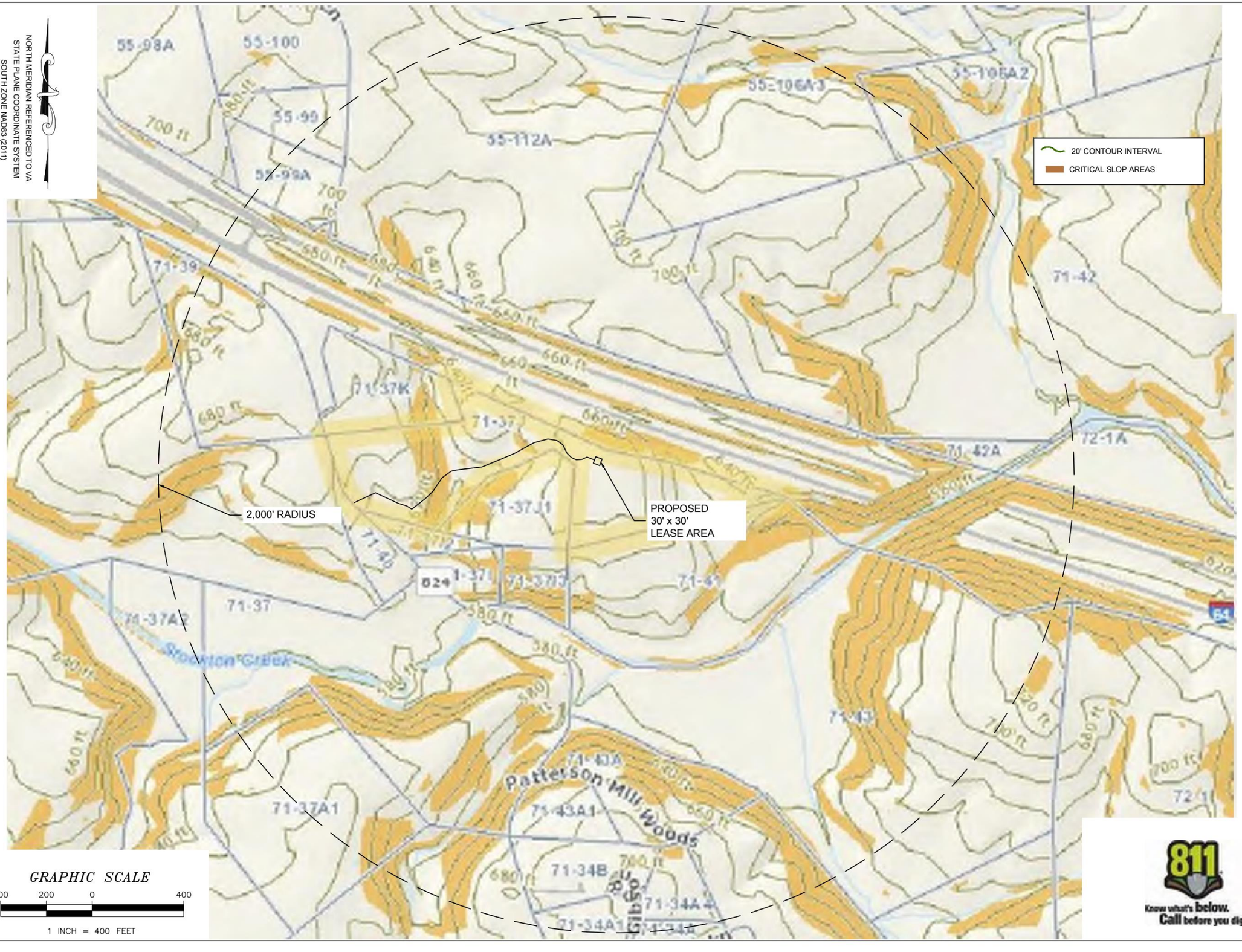
Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

RADIUS MAP

SHEET
R-1



SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

RADIUS MAP	SHEET
	C-2

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

PARCEL ID	OWNER	OWNER ADDRESS		ACRES
055000000099A0	TANG, JOHN L OR JUANA E	5948 BALBOA DR	OAKLAND CA, 94611-2319	2
055000000106A2	ASAI, THOMAS ROGER	9445 MIRANDY DR	SACRAMENTO CA, 95826	9.09
055000000106A3	ASAI, ANTHONY ROBERT	8505 ROCK SPRINGS RD	PENRYN CA, 95663	22.02
055000000112A0	YANCEY MILLS HOLDINGS LLC	3121 RIVANNA RIDGE	TROY VA, 22974	55.635
071000000034A0	KENDRICK, ROBERT JOE JR	67 SANDY GIBSON RD	CROZET VA, 22932	2.125
071000000034A1	PONCE, KIRAN SADAI LOPEZ	381 PATTERSON MILL LANE	CROZET VA, 22932	2
071000000034A4	VIAR, GILDA M	483 PATTERSON MILL LN	CROZET VA, 22932	2
071000000034B0	VIAR, GILDA MELINDA & EDWARD STRAUSS	483 PATTERSON MILL LN	CROZET VA, 22932	2.87
071000000034C7	BIBER, DAVID DUNKIN & MIRANDA HOWDEN BIBER	418 PATTERSON MILL LN	CROZET VA, 22932-3611	21
07100000003700	PATTERSON, JOSHUA LEIGHTON	264 PATTERSON MILL LANE	CROZET VA, 22932	23.82
071000000037A1	PATTERSON, JOSHUA LEIGHTON OR MARY JO REA PATTERSON	264 PATTERSON MILL LN	CROZET VA, 22932-3610	13.03
07100000037I0	BURNSED, MYLES M OR JENNIFER C	243 PATTERSON MILL LN	CROZET VA, 22932	1.598
07100000037I2	BURNSED, MYLES M OR JENNIFER C	243 PATTERSON MILL LN	CROZET VA, 22932	0.94
07100000037I3	BURNSED, MYLES M OR JENNIFER C	243 PATTERSON MILL LN	CROZET VA, 22932	1.92
071000000037J0	PATTERSON, PATRICIA W	191 PATTERSON MILL LN	CROZET VA, 22932	13.382
071000000037J1	COLLINS, RACHEL KAY PATTERSON OR LUKE BRADFORD	205 PATTERSON MILL LANE	CROZET VA, 22932	2.813
071000000037K0	BABER, ROGER L	PO BOX 629	CROZET VA, 22932	4.02
07100000003800	JOHNSON, MARYBESS MCCRAY SOLE TRS OF MARYBESS MCCRAY JOHNSON TR	1073 BLACK CAT ROAD	KESWICK VA, 22947	102.125
07100000003900	COMMONWEALTH OF VIRGINIA VIRGINIA D	701 VDOT WAY	CHARLOTTESVILLE VA, 22932	14.25
07100000004000	HOWARD, JOHN E	198 PATTERSON MILL LN	CROZET VA, 22932	0.996
07100000004100	PATTERSON, PATRICIA W	191 PATTERSON MILL ROAD	CROZET VA, 22932	12.08
07100000004200	YANCEY MILLS HOLDINGS LLC	3121 RIVANNA RIDGE	TROY VA, 22974	84.86
071000000042A0	YANCEY MILLS HOLDINGS LLC	3121 RIVANNA RIDGE	TROY VA, 22974	1.05
072000000001A0	YANCEY MILLS HOLDINGS LLC	3121 RIVANNA RIDGE	TROY VA, 22974	7

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN
CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

PROPERTY OWNER: PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

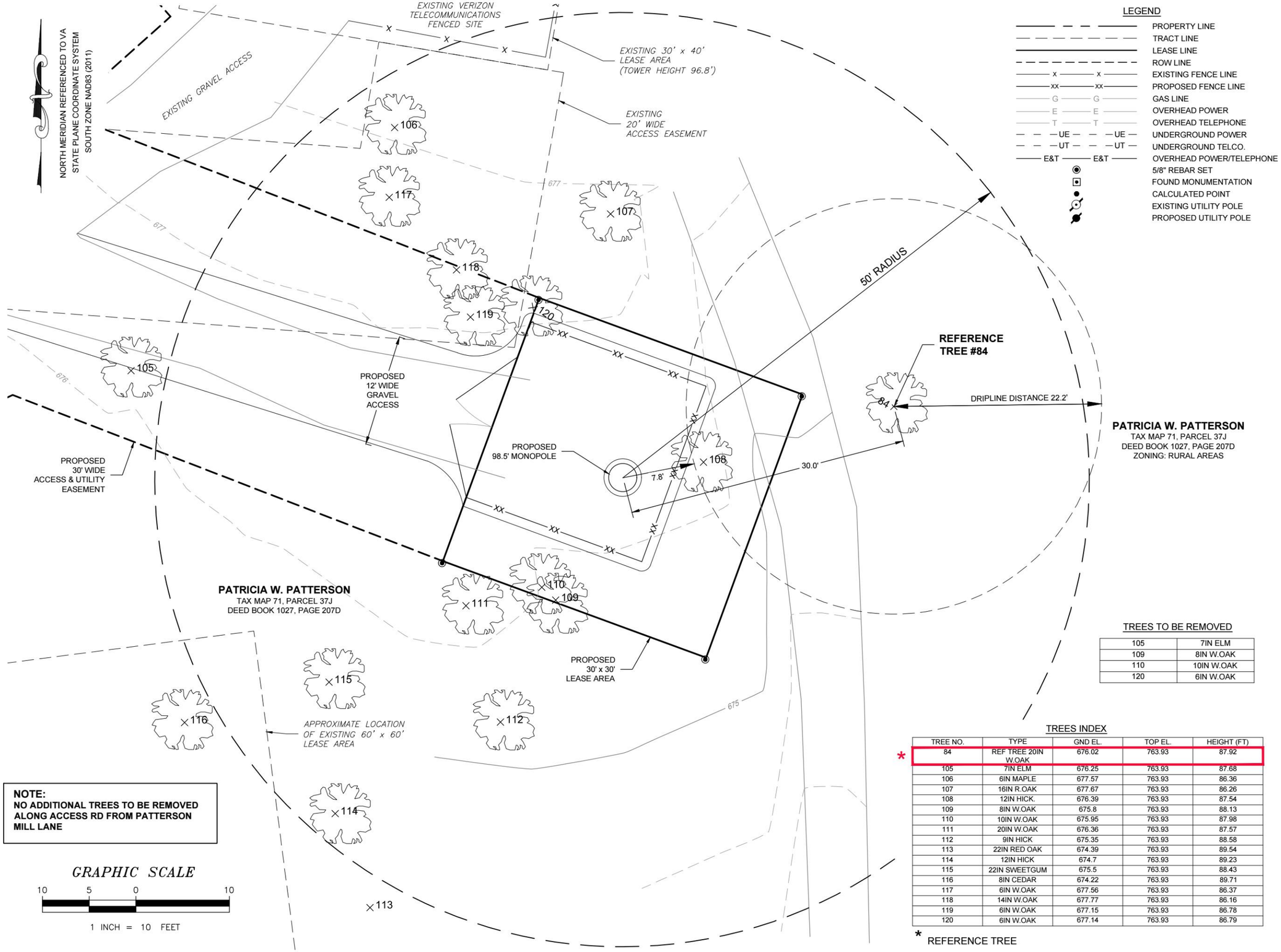
COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

OWNER INDEX

SHEET R-3



NOTE:
NO ADDITIONAL TREES TO BE REMOVED ALONG ACCESS RD FROM PATTERSON MILL LANE

GRAPHIC SCALE

10 5 0 10

1 INCH = 10 FEET

TREES TO BE REMOVED

105	7IN ELM
109	8IN W.OAK
110	10IN W.OAK
120	6IN W.OAK

TREES INDEX

	TREE NO.	TYPE	GND EL.	TOP EL.	HEIGHT (FT)
*	84	REF TREE 20IN W.OAK	676.02	763.93	87.92
	105	7IN ELM	676.25	763.93	87.68
	106	6IN MAPLE	677.57	763.93	86.36
	107	16IN R.OAK	677.67	763.93	86.26
	108	12IN HICK.	676.39	763.93	87.54
	109	8IN W.OAK	675.8	763.93	88.13
	110	10IN W.OAK	675.95	763.93	87.98
	111	20IN W.OAK	676.36	763.93	87.57
	112	9IN HICK	675.35	763.93	88.58
	113	22IN RED OAK	674.39	763.93	89.54
	114	12IN HICK	674.7	763.93	89.23
	115	22IN SWEETGUM	675.5	763.93	88.43
	116	8IN CEDAR	674.22	763.93	89.71
	117	6IN W.OAK	677.56	763.93	86.37
	118	14IN W.OAK	677.77	763.93	86.16
	119	6IN W.OAK	677.15	763.93	86.78
	120	6IN W.OAK	677.14	763.93	86.79

* REFERENCE TREE

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

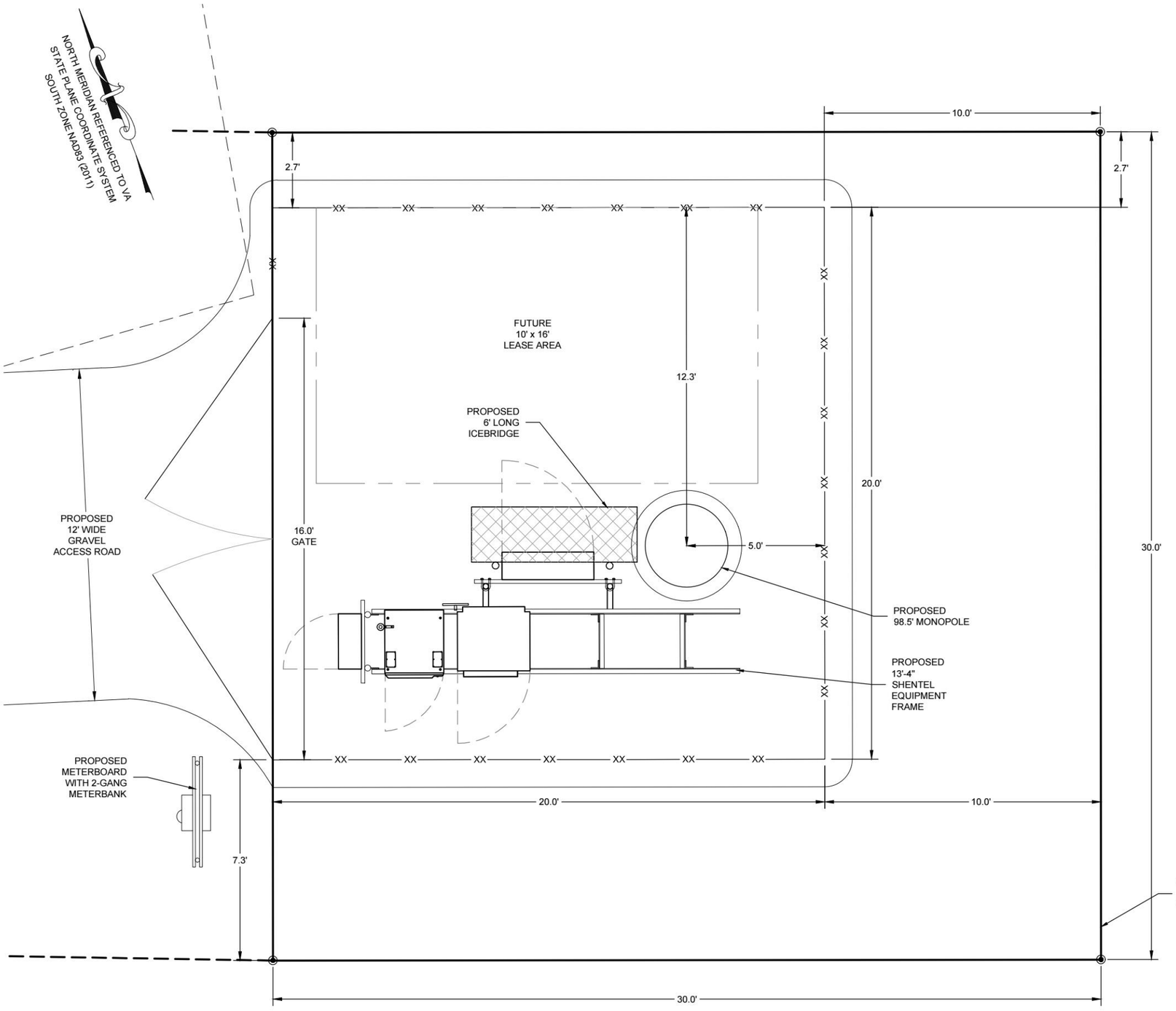
COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

TREE SURVEY

SHEET P-1



LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE

GRAPHIC SCALE

4 2 0 4

1 INCH = 4 FEET

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Know what's below. Call before you dig.

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

PROPOSED SITE PLAN

SHEET C-1

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)

NOTE:
SITE IS RELATIVELY FLAT AND DOES NOT REQUIRE GRADING WITH THE EXCEPTION OF CLEARING AND GRUBBING

SITE ELEVATIONS SHOWN ARE SUBGRADE ELEVATIONS.

LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE
- TEMPORARY BENCHMARK

PATRICIA W. PATTERSON
TAX MAP 71, PARCEL 37J
DEED BOOK 1027, PAGE 207D

PROPOSED 6' WIDE UTILITY EASEMENT

EXISTING VERIZON TELECOMMUNICATIONS FENCED SITE

EXISTING 30' x 40' LEASE AREA (TOWER HEIGHT 96.8')

EXISTING 20' WIDE ACCESS EASEMENT

EXISTING GRAVEL ACCESS

EXISTING DIRT PATH

PROPOSED 30' WIDE ACCESS & UTILITY EASEMENT

PROPOSED 30' x 30' LEASE AREA

PROPOSED 20' x 20' FENCED COMPOUND

EL:676.52

EL:675.54

EL:675.81

EL:675.33

TBM: NAIL SET IN 18" W.O.
ELEVATION = 676.80

PROPOSED 12' WIDE GRAVEL ACCESS

PATRICIA W. PATTERSON
TAX MAP 71, PARCEL 37J
DEED BOOK 1027, PAGE 207D

PROPOSED SILT FENCE (TYP.)

EXISTING ROAD BED

APPROXIMATE LOCATION OF EXISTING CELLCO 60' x 60' LEASE AREA (DB 3511, PG 578)

677

676

675

GRAPHIC SCALE
10 5 0 10
1 INCH = 10 FEET

Know what's below. Call before you dig.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

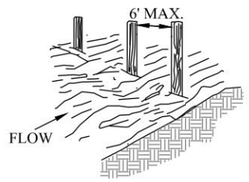
PROJECT # R4461000-210677.01

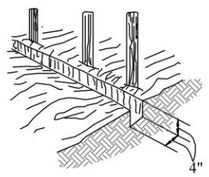
PROPOSED GRADING AND E&SC PLAN

SHEET C-2

1. SET THE STAKES.

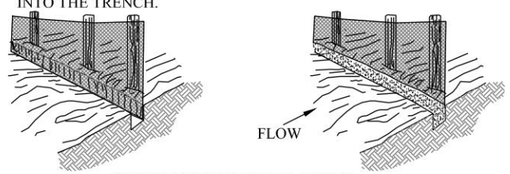
2. EXCAVATE A 4"X4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



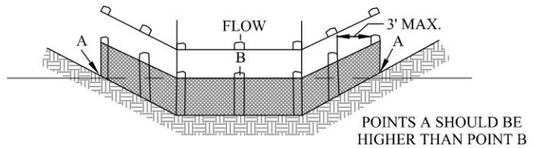


3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



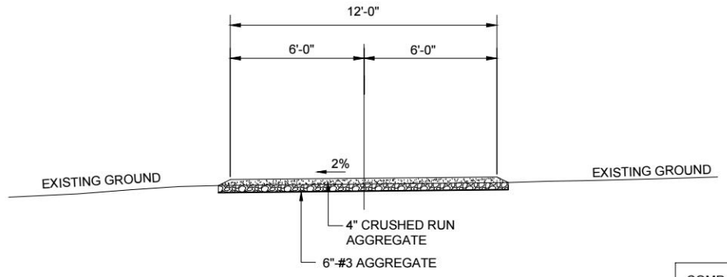
SHEET FLOW INSTALLATION
(PERSPECTIVE VIEW)



DRAINAGEWAY INSTALLATION
(FRONT ELEVATION)

SILT FENCE (WITHOUT WIRE SUPPORT)
VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK

PLATE: 3.05



COMPACTED SUBGRADE MIN. 95% STANDARD PROCTOR TO 12" BELOW STONE

ACCESS ROAD TYPICAL SECTION
NOT TO SCALE

GENERAL NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF UNSUITABLE MATERIAL THAT WILL NOT COMPACT PROPERLY.
2. CONTRACTOR WILL PROVIDE ENOUGH MATERIAL TO INSURE THAT THE FINISHED STONE ELEVATION OF THE ACCESS ROAD IS HIGHER THAN THE SURROUNDING GROUND.
3. THE LOCATIONS OF ANY CULVERTS AND/OR DITCHES SHOWN HEREON ARE SHOWN IN THEIR APPROXIMATE PRE-CONSTRUCTION CONFIGURATION. THE FINAL OR AS-BUILT LOCATIONS MAY BE FIELD ADJUSTED BY THE CONSTRUCTION MANAGER TO COMPENSATE FOR MINOR VARIATIONS IN THE ROADWAY LOCATION, SLOPES, DITCHES, ETC.

TEMPORARY SEEDING FOR CRITICAL AREAS

MINE MIX SEED:
40 LBS ORCHARD GRASS
20 LBS ANNUAL RYEGRASS
10 LBS PERENNIAL RYEGRASS
10 LBS TIMOTHY
6 LBS BIRDSFOOT TREE FOIL
4 LBS HIGHLAND BENTGRASS
4 LBS RED CLOVER
3 LBS ALSIKE CLOVER
3 LBS YELLOW SWEET CLOVER
100 LBS PER ACRE

FERTILIZER: 600 LBS 10-20-10 PER ACRE

STRAW: 3 TONS PER ACRE

Know what's below. Call before you dig.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN
CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

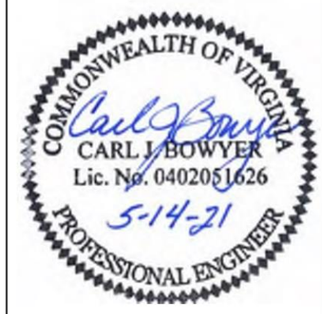
PROPERTY OWNER:
PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

CIVIL DETAILS

SHEET C-3

CONSTRUCTION SEQUENCE

CONSTRUCTION SITE: THE FOLLOWING CONSTRUCTION SEQUENCE HAS BEEN ESTABLISHED. THE CONTRACTOR SHALL MINIMIZE THE AREA OF DISTURBANCE DURING CONSTRUCTION BY FOLLOWING THE CONSTRUCTION SEQUENCE. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING STAGING OF EARTH MOVING ACTIVITIES. EACH STAGE SHALL BE COMPLETED BEFORE SUBSEQUENT STAGES ARE INITIATED. THE CONTRACTOR SHALL UTILIZE THE BEST MANAGEMENT PRACTICES (BMP'S) IN MINIMIZING AND CONTROLLING EROSION GENERATED FROM ALL CONSTRUCTION ACTIVITIES.

1.0 INSTALL EROSION AND SEDIMENTATION MEASURES

1.1 INSTALL FILTER FENCE DOWNSLOPE OF ALL PROPOSED CONSTRUCTION ACTIVITY.

1.2 CLEAR AND GRUB EXISTING VEGETATION, STRIP TOPSOIL FROM CONSTRUCTION ENTRANCE.

1.3 ESTABLISH A SOIL STOCKPILE IF REQUIRED AT A SUITABLE LOCATION WITH THE PROJECT.

1.4 IMMEDIATELY PLACE FILTER FABRIC AND STONE ENTRANCE MATERIAL AS DETAILED ON PLAN. NOTE: NO CONSTRUCTION EQUIPMENT SHALL BE PERMITTED TO LEAVE THE SITE UNTIL THE CONSTRUCTION ENTRANCE HAS BEEN INSTALLED.

1.5 STABILIZE ANY REMAINING DISTURBED AREAS BY SEEDING AND MULCHING ANY AREAS THAT WOULD BE EXPOSED FOR MORE THAN 20 DAYS IN ACCORDANCE WITH THE TEMPORARY SEEDING CHART.

2.0 CONSTRUCT ACCESS ROAD.

2.1 INSTALL E&S CONTROL MEASURES ALONG ACCESS ROAD AT THE TOE OF FILL SLOPE OR AREAS ALONG THE ACCESS ROAD SUBJECT TO EROSION AND CONSTRUCT ACCESS ROAD FROM THE ENTRANCE TO THE LIMITS OF FENCED AREA OF THE TOWER SITE.

2.2 CLEAR AND GRUB ANY EXISTING VEGETATION AND STRIP TOPSOIL FROM THE ACCESS ROAD AND UTILITY EASEMENT AREA.

2.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR STOCKPILING ANY AND ALL MATERIAL ON OR OFF THE SITE THAT MAY ME UTILIZED ON THE PROJECT . ANY AND ALL UNSUITABLE SOIL AND WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND SHALL BE PROPERLY DISPOSED OF. ALL AREAS OF STOCKPILED MATERIAL AND WASTE SITES SHALL BE PROPERLY STABILIZED IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS AND ORDINANCES.

2.4 IMMEDIATELY COMPACT SUBGRADE AND PLACE ROAD BASE MATERIAL TO DEPTH AS SHOWN ON TYPICAL SECTION.

2.5 TEMPORARILY STABILIZE ANY REMAINING DISTURBED SOIL WITH TEMPORARY SEEDING AND MULCH, AS PER SEEDING CHART. AFTER MARCH 15, AS WEATHER PERMITS, SOIL MAY BE STABILIZED ACCORDING TO EITHER THE TEMPORARY OR FINAL SEEDING CHARTS. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED AND WILL REMAIN EXPOSED FOR MORE THAN 20 DAYS, MUST BE STABILIZED IMMEDIATELY.

3.0 GRADE TOWER SITE AND STABILIZE.

3.1 INSTALL DOWNSLOPE E&S CONTROL DEVICES (SILT FENCE, ETC.)

3.2 CLEAR AND GRUB VEGETATION, STRIP TOPSOIL AND UNACCEPTABLE MATERIAL FROM AREA TO BE GRADED.

3.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR STOCKPILING ANY AND ALL MATERIAL ON OR OFF THE SITE THAT MAY ME UTILIZED ON THE PROJECT. ANY AND ALL UNSUITABLE SOIL AND WASTE MATERIALS SHALL BE REMOVED FROM THE SITE AND SHALL BE PROPERLY DISPOSED OF. ALL AREA OF STOCKPILED MATERIAL AND WASTE SITES SHALL BE PROPERLY STABILIZED IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS AND ORDINANCES.

3.4 ROUGH GRADE SITE AS SHOWN ON PLANS. CUT AND FILL SLOPES SHALL BE NO GREATER THAN 2:1 UNLESS OTHERWISE NOTED.

3.5 IMMEDIATELY STABILIZE SIDE SLOPES BY TRACKING AND COMPACTING SOIL USING A DOZER OR SUITABLE EQUIPMENT THEN IMMEDIATELY SEED AND MULCH ALL EXPOSED DISTURBED AREAS.

4.0 CONSTRUCT TOWER AND INSTALL EQUIPMENT SHELTER.

4.1 EXCAVATE AREAS FOR TOWER FOUNDATION FOOTINGS. THE CONTRACTOR SHALL DISPOSE OF OR REUSE ANY SUITABLE MATERIAL EXTRACTED DURING THE EXCAVATION OPERATIONS. ALL MATERIAL SHALL BE HANDLED IN THE SAME MANNER AS ALL OTHER WASTE OR STOCKPILED MATERIAL, PROPERLY DISPOSED OF OR STOCKPILED AND STABILIZED.

4.2 INSTALL TOWER FOOTINGS TO THE SPECIFICATIONS AND DIMENSION AS PERSCRIBED AND DESIGNED BY OTHERS. IF FOUNDATION TRENCHES REQUIRE DEWATERING, PUMP WATER SHALL BE FILTERED THROUGH A SEDIMENT DEWATERING TRAP BEFORE DISCHARGING.

4.3 BACKFILL AROUND FOUNDATIONS AND COMPLETE FINAL GRADING AROUND BUILDING AND TOWER. STABILIZE WITH STONE BASE (GRAVEL APRON) AS DETAILED ON PLAN.

4.4 ERECT TOWER IN ACCORDANCE WITH THE SPECIFICATIONS AND ERECTION PLANS AND PROCEDURES PREPARED AND SUPPLIED BY OTHERS.

4.5 INSTALL EQUIPMENT SHELTER AND ERECT THE FENCE. STABILIZE ANY REMAINING AREAS THAT MAY BE EXPOSED FOR MORE THAN 20 DAYS IN ACCORDANCE WITH THE TEMPORARY SEEDING CHART.

4.6 OVERLAY CONSTRUCTION ENTRANCE AND OR ACCESS ROAD WITH #3 AASHTO CRUSHED AGGREGATE MATERIAL AS SHOWN ON THE PLAN DETAILS.

5.0 DEMOBILIZATION

5.1 COMPLETE PERMANENT STABILIZATION MEASURES (FINAL SEEDING) FOR ENTIRE SITE AND/OR REPAIR DAMAGED CRUSHED STONE AREAS.

5.2 AFTER ALL AREAS ARE AT LEAST 75% PERMANENTLY STABILIZED BY VISUAL INSPECTION, TEMPORARY CONTROL MEASURES PLACE DOWN SLOPE (FILTER FENCE, ROCK FILTERS, ETC.) MAY BE REMOVED.

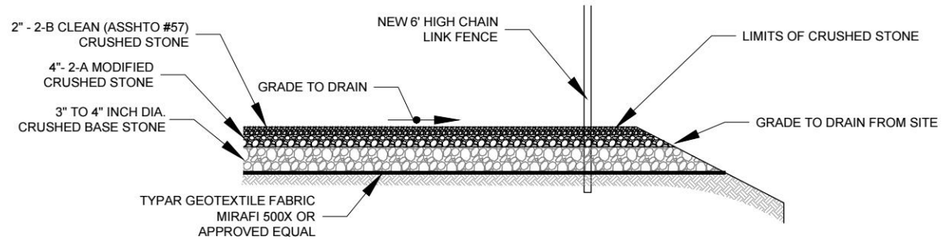
6.0 EARTH MOVING DURING WINTER CONDITIONS

6.1 IN ORDER TO MINIMIZE THE POTENTIAL FOR SOIL EROSION AND RESULTING POLLUTION DURING THE WINTER MONTHS, THE FOLLOWING E & S POLLUTION CONTROL MEASURES SHALL BE UTILIZED FOR ALL SOILS LOCATED ON THE SITE.

6.2 WHEN FROZEN SOILS ARE ENCOUNTERED, THEY MUST BE STABILIZED WITHIN 3 DAYS OF DISTURBANCE WITH THE MEASURES CALLED OUT IN THE CONSTRUCTION SEQUENCE AND AS SHOWN ON THE PLAN. AREAS THAT ARE NOT TO BE PERMANENTLY STABILIZED WITH STONE SHALL BE STABILIZED WITH MULCH AND JUTE NETTING UNTIL TEMPORARY OR FINAL SEEDING CAN BE ACCOMPLISHED.

6.3 ADDITIONAL STONE SHALL BE PLACED ON THE CONSTRUCTION ENTRANCE AND OR ACCESS ROAD IF REQUIRED TO MAINTAIN ITS EFFECTIVENESS.

SITE PREPARATION: A SOIL TEST ANALYSIS IS RECOMMENDED TO DETERMINE THE NECESSARY SOIL AMENDMENTS; HOWEVER, IF THIS IS NOT POSSIBLE, APPLY 6 TONS OF AGRICULTURAL GRADE LIMESTONE PER ACRE PLUS (10-20-20) FERTILIZER AT THE RATE OF 1000 LBS. PER ACRE AND WORK IN WHERE POSSIBLE. AFTER SEEDING, MULCH WITH STRAW AT A RATE OF 3 TONS PER ACRE. IF FINAL SEEDING IS NOT ACCOMPLISHED WITHIN THE SAME GROWING SEASON, LIME, FERTILIZER, AND MULCH SHALL BE REAPPLIED AT THE TIME OF FINAL SEEDING AT THE SAME RATES AS INDICATED ABOVE.



SECTION THROUGH TOWER YARD

NOT TO SCALE

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

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

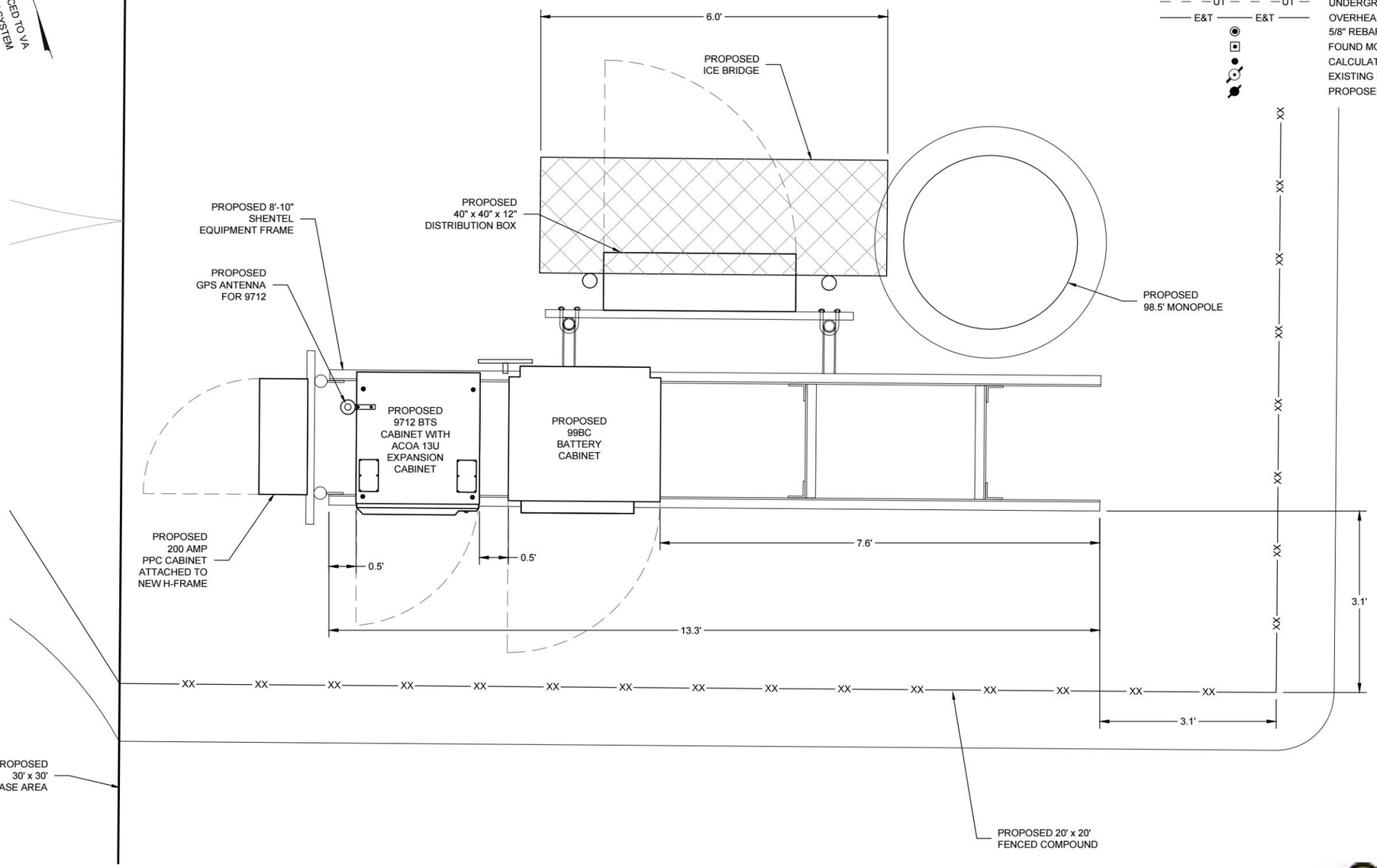
Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

CIVIL DETAILS

SHEET C-4

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)



LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE

GRAPHIC SCALE

2 1 0 2

1 INCH = 2 FEET

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

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

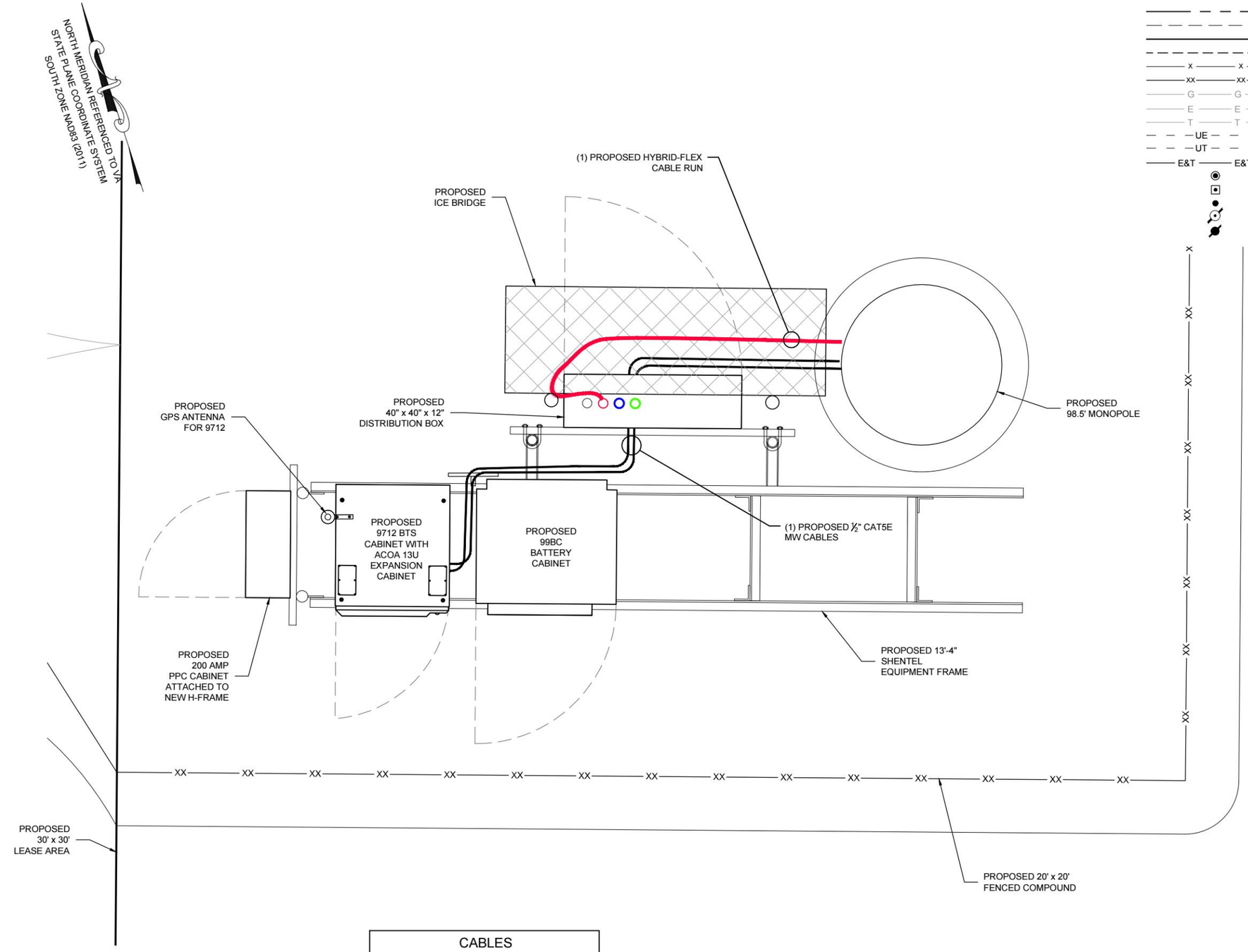
Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

EQUIPMENT LAYOUT PLAN

SHEET C-5



LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE

GRAPHIC SCALE

2 1 0 2

1 INCH = 2 FEET

CABLES
(1) PROPOSED HB158-21U6M48-250F 1.67" (4AWG) HYBRID CABLE
(2) PROPOSED 1/2" CAT5E MW CABLES

HYBRID-FLEX CABLE LENGTHS	
TOTAL CABLE LENGTH OF ALPHA SECTOR	*110'*

Know what's below. Call before you dig.

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN, CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

PROPERTY OWNER: PATRICIA W. PATTERSON, 191 PATTERSON MILL LN, CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

HYBRIDFLEX CABLE DIAGRAM

SHEET C-6

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)

LEGEND

- PROPERTY LINE
- TRACT LINE
- LEASE LINE
- ROW LINE
- EXISTING FENCE LINE
- PROPOSED FENCE LINE
- GAS LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELCO.
- OVERHEAD POWER/TELEPHONE
- 5/8" REBAR SET
- FOUND MONUMENTATION
- CALCULATED POINT
- EXISTING UTILITY POLE
- PROPOSED UTILITY POLE

EXISTING FIBER PULL BOX

EXISTING VERIZON TELECOMMUNICATIONS FENCED SITE

PROPOSED 3" SCH. 80 PVC UNDERGROUND CONDUIT (FIBER SERVICE)

EXISTING 30' x 40' LEASE AREA (TOWER HEIGHT 96.8')

EXISTING ELECTRIC TRANSFORMER (#14 1/2 2 1 C)

EXISTING 20' WIDE ACCESS EASEMENT

EXISTING GRAVEL ACCESS

PROPOSED 12' WIDE GRAVEL ACCESS

PROPOSED 3" SCH. 80 PVC UNDERGROUND CONDUIT (ELECTRIC SERVICE)

PROPOSED FIBER VAULT

PROPOSED 98.5' MONOPOLE

PROPOSED 30' WIDE ACCESS & UTILITY EASEMENT

PROPOSED METERBOARD WITH 2-GANG METERBANK

PROPOSED SHENTEL EQUIPMENT FRAME

PROPOSED 30' x 30' LEASE AREA

APPROXIMATE LOCATION OF EXISTING 20' WIDE ACCESS EASEMENT

APPROXIMATE LOCATION OF EXISTING CELLCO 60' x 60' LEASE AREA (DB 3511, PG 578)

GRAPHIC SCALE

10 5 0 10

1 INCH = 10 FEET

Know what's below. Call before you dig.

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

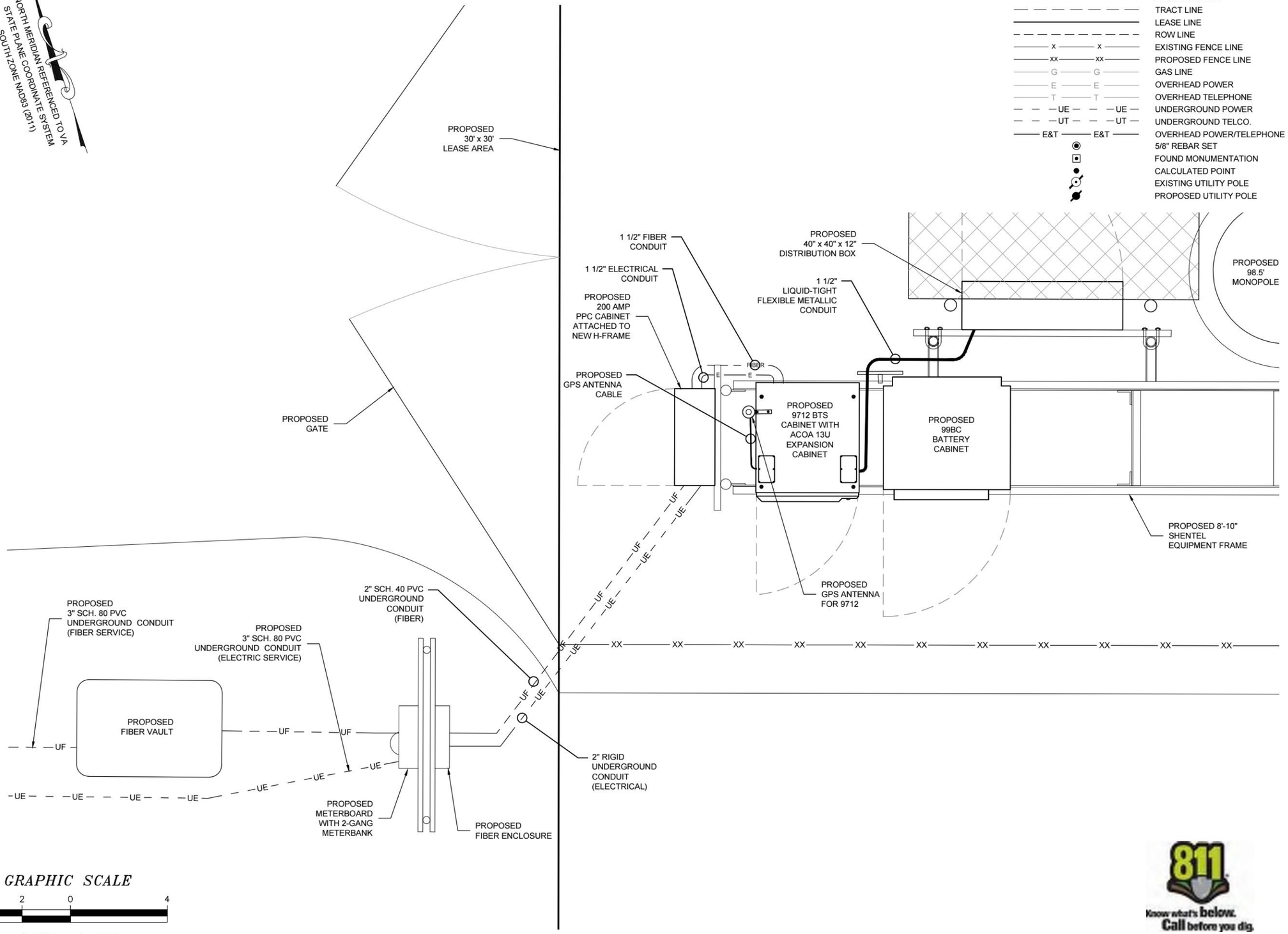
Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

UTILITY SERVICE PLAN

SHEET E-1

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)



GRAPHIC SCALE

4 2 0 4

1 INCH = 4 FEET

Know what's below. Call before you dig.

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt

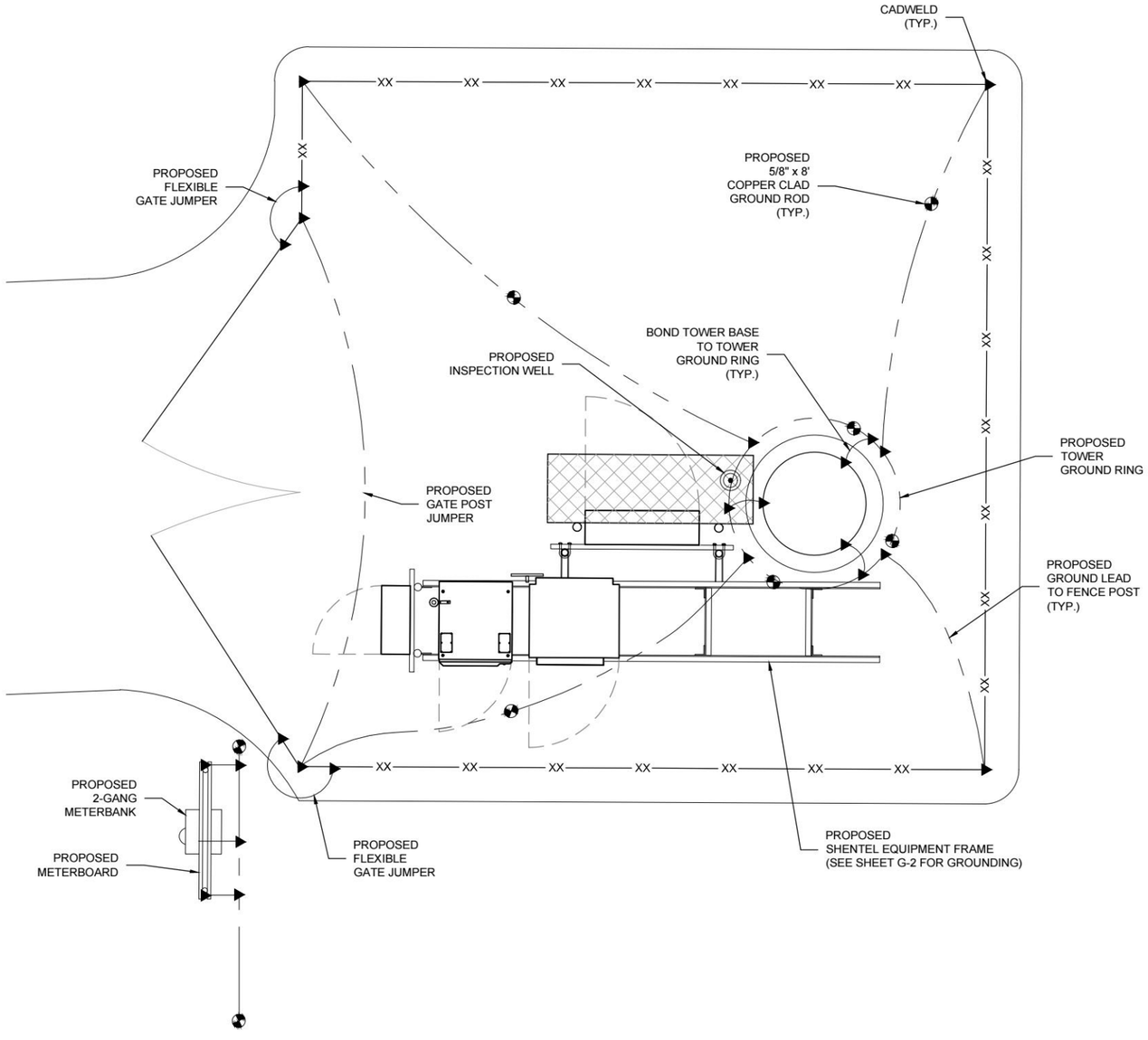
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

UTILITY SERVICE PLAN

SHEET
E-2

NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)



GRAPHIC SCALE

10 5 0 10

1 INCH = 10 FEET

GROUNDING LEGEND

- 5/8" x 8' COPPER-CLAD STEEL GROUND ROD
- GROUND ROD WITH PLASTIC INSPECTION SLEEVE
- COMPRESSION LUG CONNECTION
- EXOTHERMIC WELD GROUNDING CONNECTION
- PROPOSED GROUND LEAD
- GROUND RING

ABBREVIATIONS

A	AMPERE	PVC	POLYVINYL CHLORIDE
C	CONDUIT	V	VOLT
(E)	EXISTING	W	WIRE
G	GROUND	Ø	PHASE
P	POLE		

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

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN
CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

PROPERTY OWNER:
PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt

400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

GROUNDING PLAN (TOWER SITE)

SHEET G-1

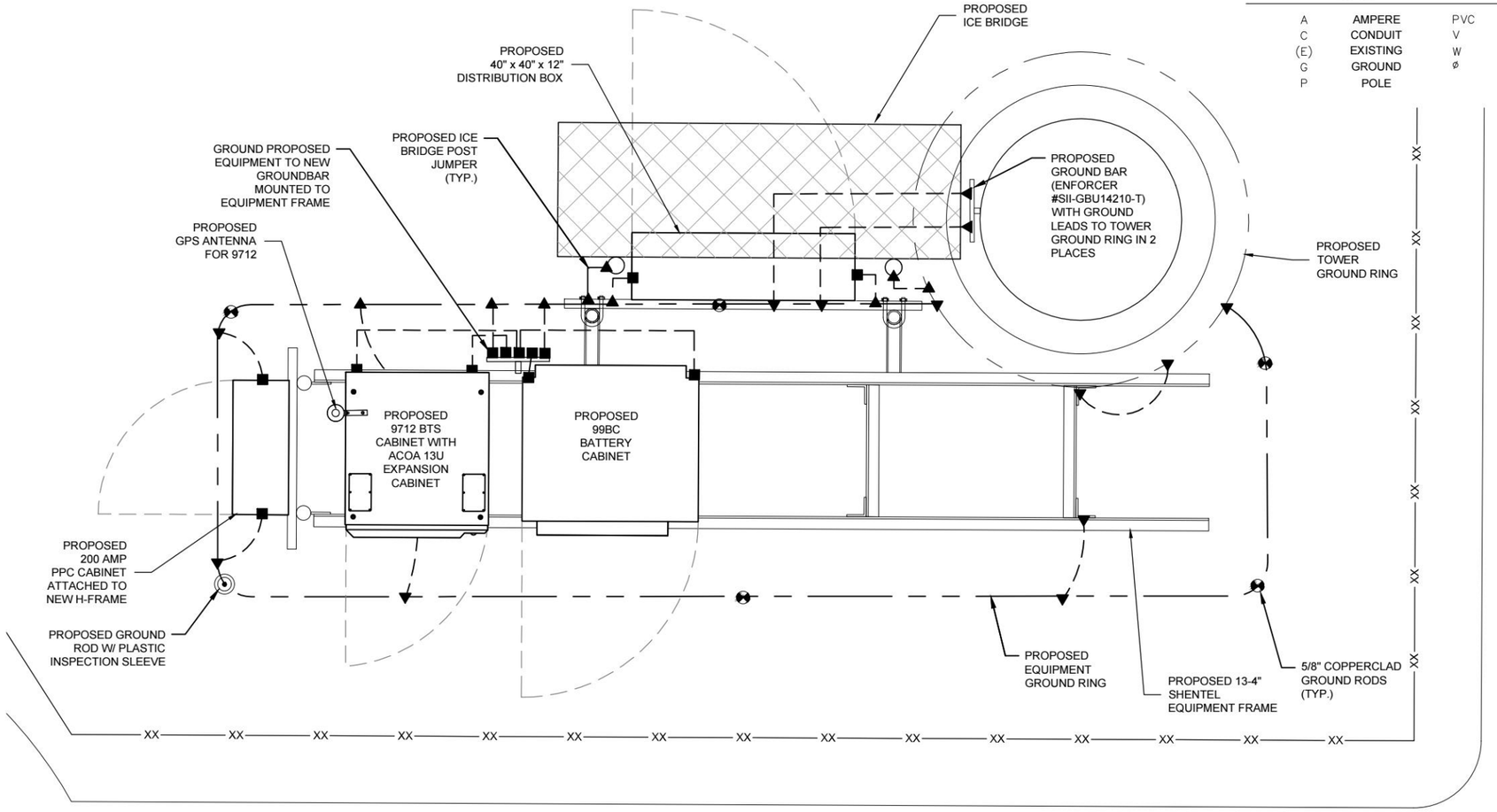
NORTH MERIDIAN REFERENCED TO VA STATE PLANE COORDINATE SYSTEM SOUTH ZONE NAD83 (2011)

GROUNDING LEGEND

- 5/8" x 8' COPPER-CLAD STEEL GROUND ROD
- GROUND ROD WITH PLASTIC INSPECTION SLEEVE
- COMPRESSION LUG CONNECTION
- EXOTHERMIC WELD GROUNDING CONNECTION
- PROPOSED GROUND LEAD
- GROUND RING

ABBREVIATIONS

A	AMPERE	PVC	POLYVINYL CHLORIDE
C	CONDUIT	V	VOLT
(E)	EXISTING	W	WIRE
G	GROUND	ø	PHASE
P	POLE		



GRAPHIC SCALE

10 5 0 10

1 INCH = 10 FEET

NOTE:
CONTRACTOR TO GROUND ALL NEW/ADDED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS AND NEC REQUIREMENTS.

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

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

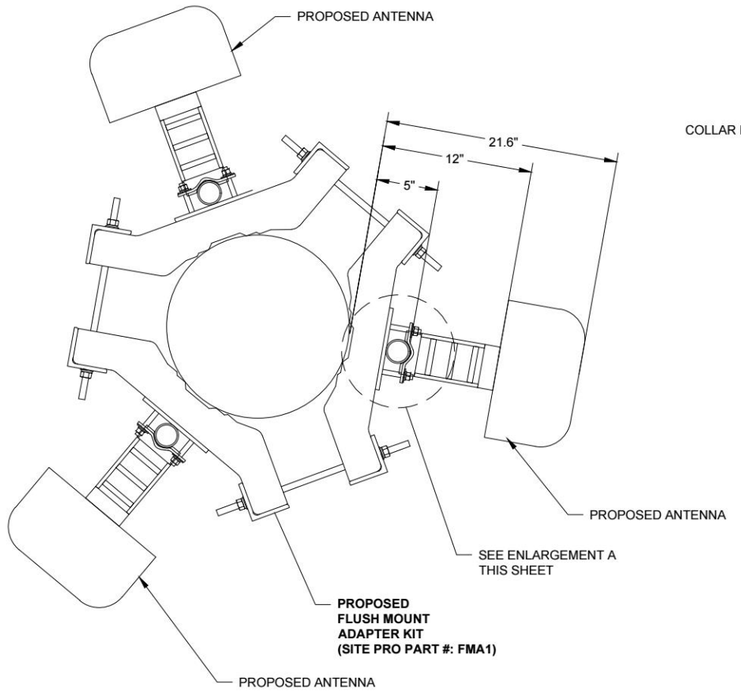
COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

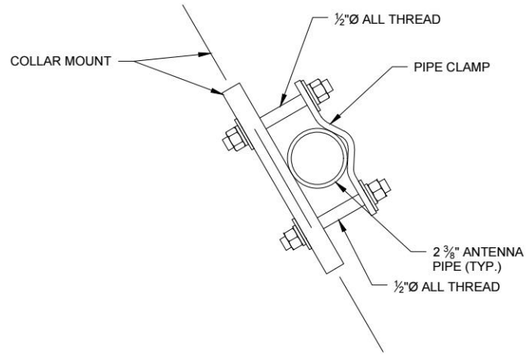
GROUNDING PLAN (EQUIPMENT FRAME)

SHEET G-2



PROPOSED ANTENNA STANDOFF

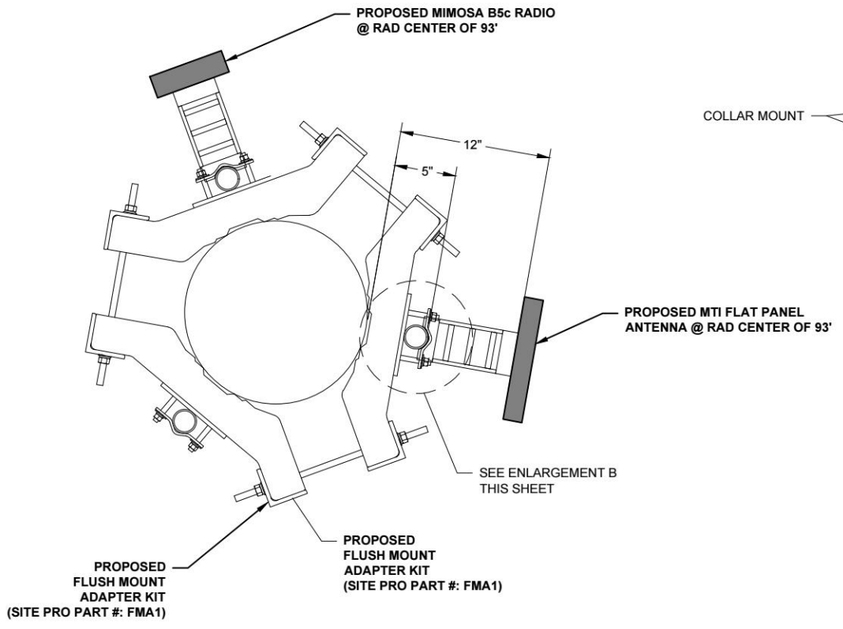
N.T.S.



ENLARGEMENT A

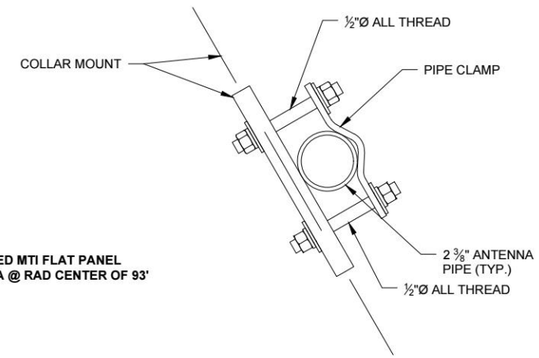
N.T.S.

NOTE:
DISTANCE BETWEEN THE FACE OF THE POLE TO THE BACK SIDE OF THE ANTENNA SHOULD NOT EXCEED 12".



PROPOSED DISH ANTENNA CONFIGURATION

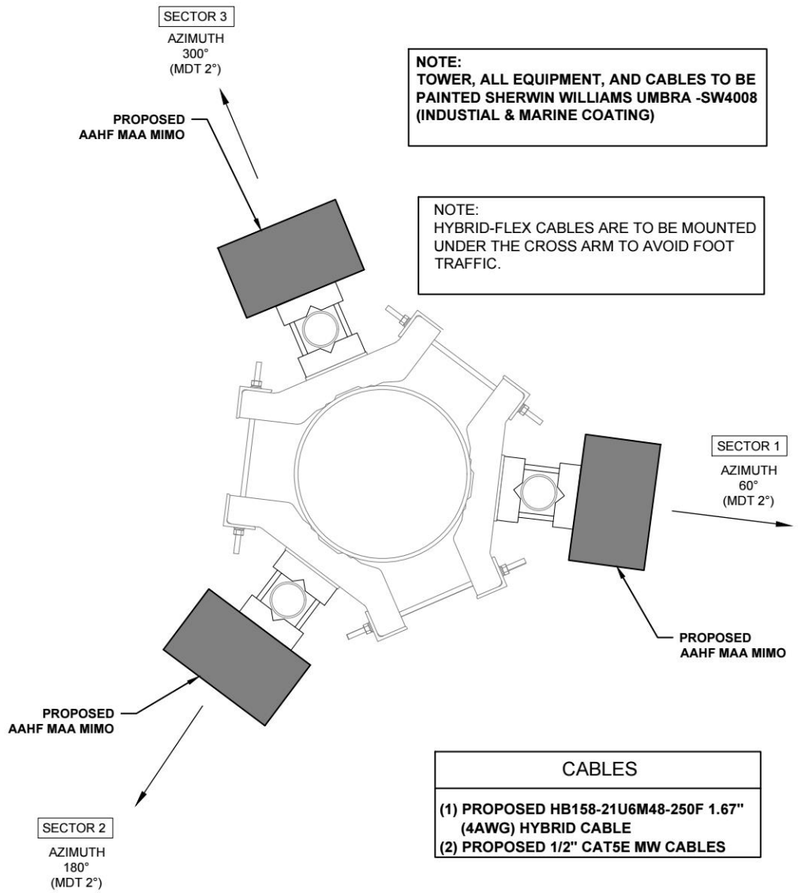
N.T.S.



ENLARGEMENT B

N.T.S.

NOTE:
DISTANCE BETWEEN THE FACE OF THE POLE TO THE BACK SIDE OF THE DISH SHOULD NOT EXCEED 12".



NOTE:
TOWER, ALL EQUIPMENT, AND CABLES TO BE PAINTED SHERWIN WILLIAMS UMBRA -SW4008 (INDUSTIAL & MARINE COATING)

NOTE:
HYBRID-FLEX CABLES ARE TO BE MOUNTED UNDER THE CROSS ARM TO AVOID FOOT TRAFFIC.

CABLES
(1) PROPOSED HB158-21U6M48-250F 1.67" (4AWG) HYBRID CABLE **(2) PROPOSED 1/2" CAT5E MW CABLES**

PROPOSED ANTENNA CONFIGURATION

N.T.S.

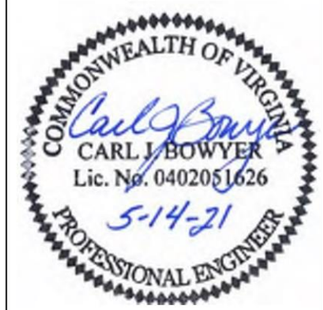
NOTES:

1. TOWER AND TOWER FOUNDATION DESIGN HAS BEEN PREPARED AND PROVIDED BY OTHERS. REFER TO MANUFACTURE'S APPROVED TOWER DRAWINGS OR CURRENT STRUCTURAL ANALYSIS. THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND MOUNTING PLATFORM ARE BASED ON INFORMATION PROVIDED THROUGH SHENANDOAH CABLE TELEVISION, LLC.
2. THIS DRAWING IS A GRAPHICAL REPRESENTATION OF THE TOWER, THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND PROPOSED MOUNTING PLATFORM/SECTOR FRAME BASED ON INFORMATION PROVIDED THROUGH SHENANDOAH CABLE TELEVISION, LLC, AND /OR ANALYZED BY OTHERS. MEAD & HUNT CERTIFIES ONLY THAT INFORMATION PROVIDED TO MEAD & HUNT FOR THE PREPARATION OF THESE PLANS AND IS NOT CERTIFYING NOR WARRANTING THE DESIGN NOR VERIFYING THE ANALYTICAL RESULTS OF THE STRUCTURAL ANALYSIS PERFORMED BY OTHERS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE PROPOSED CABLES, CABLE LADDER, AND/OR OTHER CABLE SUPPORTING SYSTEM PER CURRENT STRUCTURAL ANALYSIS.
4. ALL COAX CABLES SHALL BE STACKED IN ACCORDANCE WITH THE CURRENT STRUCTURAL ANALYSIS. THE CONTRACTOR OR SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAYS, ETC., AND/OR CONDUIT AS REQUIRED TO SUPPORT CABLES.
5. **THE CONTRACTOR SHALL VERIFY WITH SHENANDOAH CABLE TELEVISION, LLC 48 HOURS PRIOR TO INSTALLATION OF ALL EQUIPMENT/RF CONFIGURATION AND ANY RELATED WORK RELATED TO THE COMPLETION OF THIS PROJECT.**
6. THIS DRAWING IS FOR GENERAL INFORMATION ONLY.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

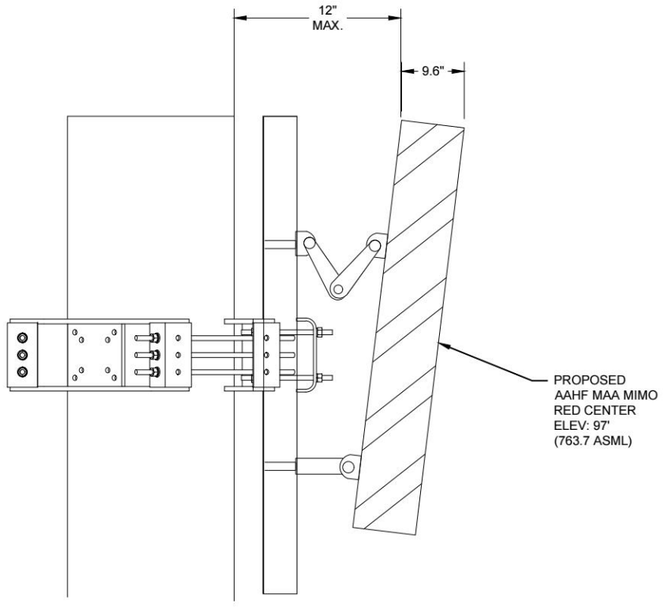
PROJECT # R4461000-210677.01

ANTENNA CONFIGURATION

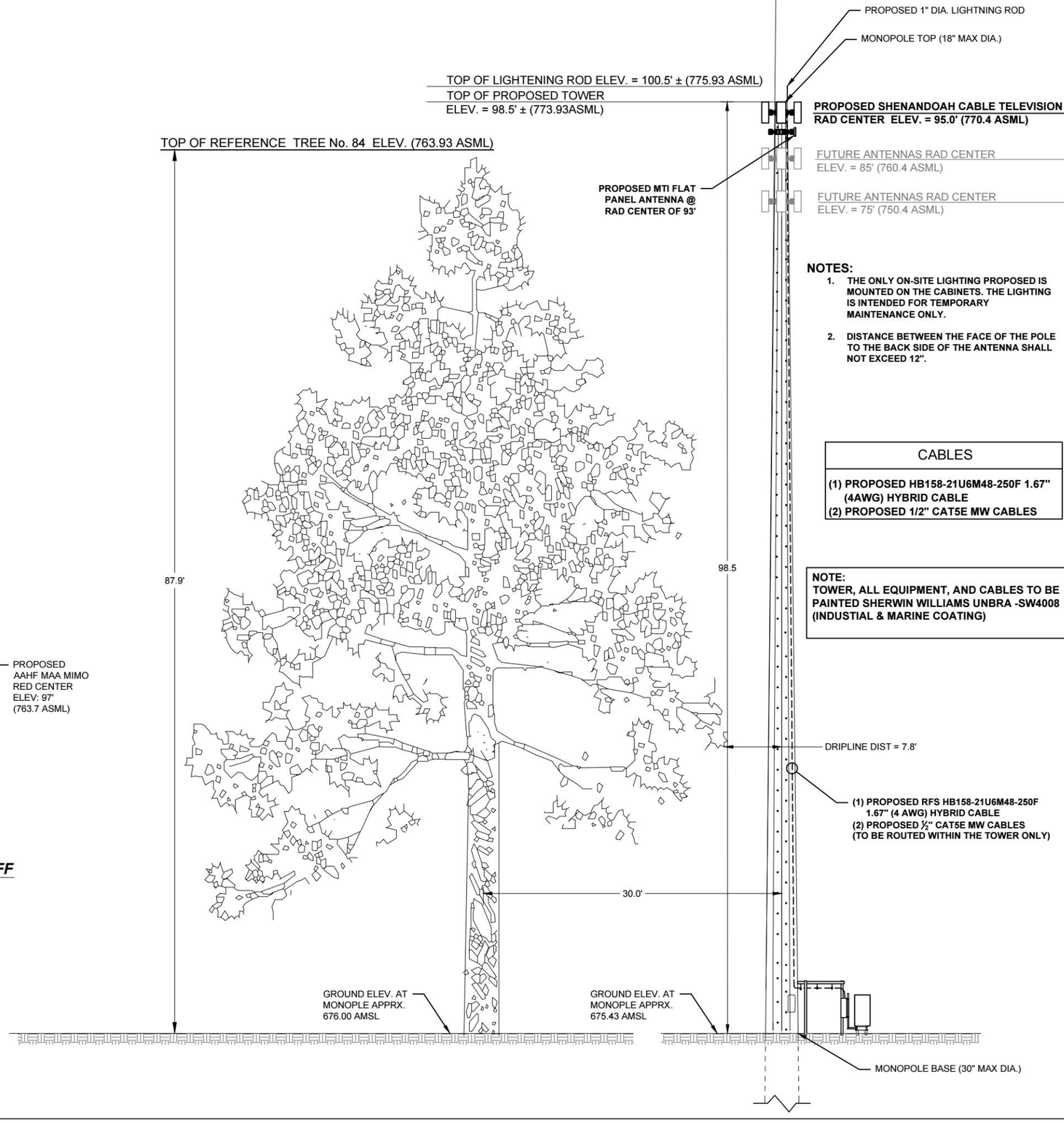
SHEET A-1

NOTES:

1. TOWER AND TOWER FOUNDATION DESIGN HAS BEEN PREPARED AND PROVIDED BY OTHERS. REFER TO MANUFACTURE'S APPROVED TOWER DRAWINGS OR CURRENT STRUCTURAL ANALYSIS. THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND MOUNTING PLATFORM ARE BASED ON INFORMATION PROVIDED THROUGH SHENANDOAH CABLE TELEVISION, LLC.
2. THIS DRAWING IS A GRAPHICAL REPRESENTATION OF THE TOWER, THE RF RAD CENTER OF THE PROPOSED ANTENNAS AND PROPOSED MOUNTING PLATFORM/SECTOR FRAME BASED ON INFORMATION PROVIDED THROUGH SHENANDOAH CABLE TELEVISION, LLC, AND /OR ANALYZED BY OTHERS. MEAD & HUNT CERTIFIES ONLY THAT INFORMATION PROVIDED TO MEAD & HUNT FOR THE PREPARATION OF THESE PLANS AND IS NOT CERTIFYING NOR WARRANTING THE DESIGN NOR VERIFYING THE ANALYTICAL RESULTS OF THE STRUCTURAL ANALYSIS PERFORMED BY OTHERS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE PROPOSED CABLES, CABLE LADDER, AND/OR OTHER CABLE SUPPORTING SYSTEM PER CURRENT STRUCTURAL ANALYSIS.
4. ALL COAX CABLES SHALL BE STACKED IN ACCORDANCE WITH THE CURRENT STRUCTURAL ANALYSIS. THE CONTRACTOR OR SUBCONTRACTOR SHALL FURNISH AND INSTALL CABLE LADDER RACK, CABLE TRAYS, ETC., AND/OR CONDUIT AS REQUIRED TO SUPPORT CABLES.
5. **THE CONTRACTOR SHALL VERIFY WITH SHENANDOAH CABLE TELEVISION, LLC 48 HOURS PRIOR TO INSTALLATION OF ALL EQUIPMENT/RF CONFIGURATION AND ANY RELATED WORK RELATED TO THE COMPLETION OF THIS PROJECT.**
6. THIS DRAWING IS FOR GENERAL INFORMATION ONLY.



PROPOSED ANTENNA AND MICROWAVE STANDOFF
N.T.S.



NOTES:

1. **THE ONLY ON-SITE LIGHTING PROPOSED IS MOUNTED ON THE CABINETS. THE LIGHTING IS INTENDED FOR TEMPORARY MAINTENANCE ONLY.**
2. **DISTANCE BETWEEN THE FACE OF THE POLE TO THE BACK SIDE OF THE ANTENNA SHALL NOT EXCEED 12".**

CABLES
(1) PROPOSED HB158-21U6M48-250F 1.67" (4AWG) HYBRID CABLE
(2) PROPOSED 1/2" CAT5E MW CABLES

NOTE:
TOWER, ALL EQUIPMENT, AND CABLES TO BE PAINTED SHERWIN WILLIAMS UNBRA -SW4008 (INDUSTIAL & MARINE COATING)

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

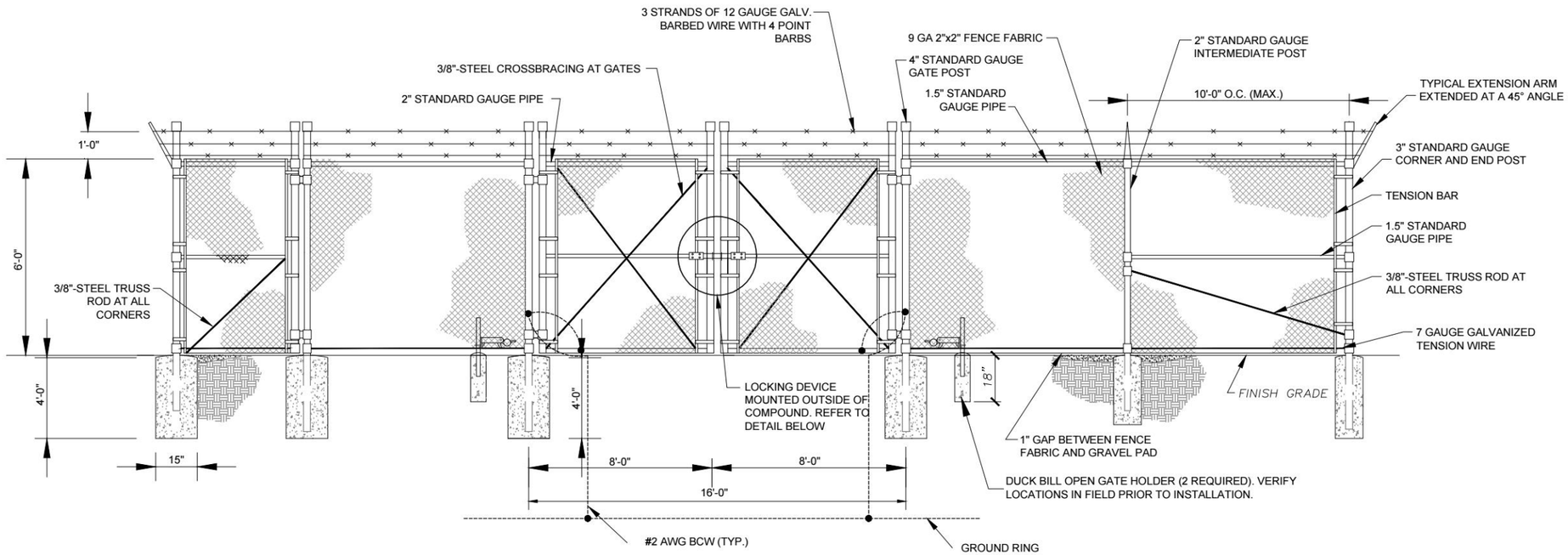
COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

TOWER ELEVATION

SHEET A-2

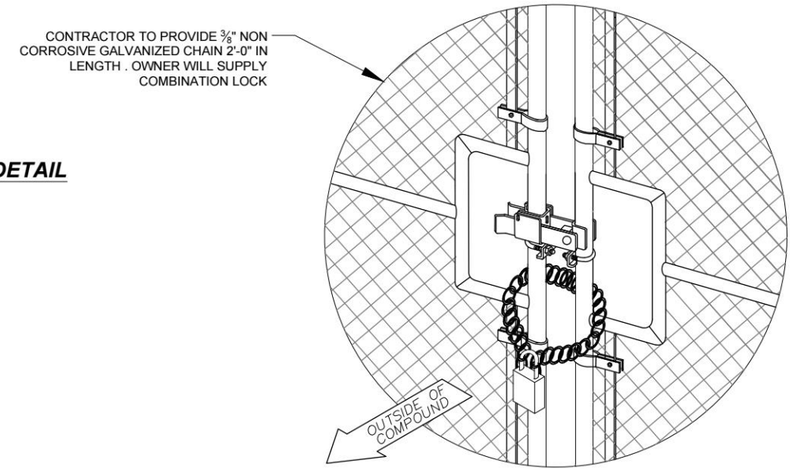


GROUNDING NOTES:

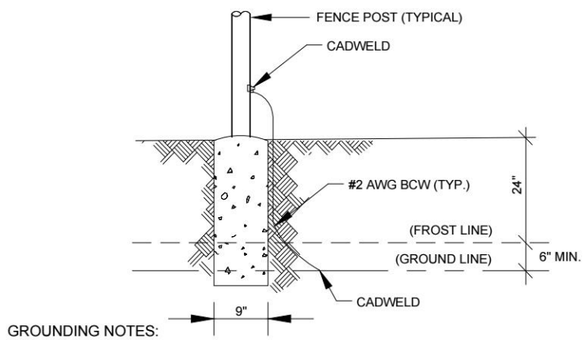
1. 4" O.D. GATE POSTS.
2. 2" O.D. PERIMETER FRAMING POSTS.
3. 1-1/2" O.D. INTERIOR FRAMING.
4. GATE JUMPER SHALL BE MIN. #2/0 AWG WELDED CABLE. BURNDY TYPE B WITH SLEEVES ON EACH END DESIGNED FOR EXOTHERMIC WELDING.
5. GATE JUMPER SHALL BE INSTALLED SO THAT IT WILL NOT BE SUBJECTED TO STRAIN DAMAGE WHEN GATE IS FULLY OPEN IN EITHER DIRECTION.

72 INCH HIGH CHAIN LINK FENCE / GATE DETAIL

N.T.S.



STRONG ARM DOUBLE GATE LATCH DETAIL



GROUNDING NOTES:

1. CAD WELD BCW TO VERTICAL POSTS (ABOVE GROUND) ACCORDING TO GROUNDING PLAN.
2. INSTALL GROUND RING MIN. 24" BELOW GRADE OR 6" BELOW FROST LINE.

FENCE GROUNDING DETAIL

N.T.S.

FENCE SPECIFICATIONS

1. FENCING MATERIAL SHALL BE CYCLONE TYPE (1) FENCE AS MANUFACTURED BY USS OR EQUAL.
2. FABRIC HEIGHT IS TO BE 6 FEET EXCLUDING BARBED WIRE.
3. BARBED WIRE SHALL BE 3-STRANDS/CLASS 3 GALVANIZED/INVINCIBLE WITH EXTENSION ARMS EXTENDING UPWARD AND OUTWARD AT A 45° ANGLE.
4. FABRIC SHALL BE 2" MESH/9 GAUGE MIN. WITH ZINC COATING.
5. GATE SHALL HAVE POSITIVE TYPE LATCHING DEVICES WITH PROVISIONS FOR PADLOCKING.
6. ALL POSTS, RAILS AND APPURTENANCES SHALL BE 9 GAUGE HOT-DIPPED ZINC COATED STEEL. FENCE POSTS SHALL HAVE TOPS WHICH EXCLUDE MOISTURE.
7. ENDS, CORNERS, PULL AND GATE POSTS ARE TO BE BRACED WITH THE SAME MATERIAL AS THE RAILS. ALL POSTS SHALL BE SET IN A CONCRETE FOUNDATION OF 1:2:4 MIX HAVING A MINIMUM DIAMETER OF 9" TO 15" AND EMBEDDED A MINIMUM OF 36 INCHES INTO THE FOOTER. LINE POSTS SHALL BE EVENLY SPACED 10 FOOT OR LESS APART.
8. PERSONNEL EXPERIENCED IN THE FENCING INDUSTRY SHALL INSTALL THE FENCE. THE CONTRACTOR SHALL ENHANCE THE INSTALLATION TO INCREASE THE APPEARANCE OF A SECURE FACILITY TO PROTECT EQUIPMENT AND TO DETOUR AND PREVENT ENTRANCE OF UNAUTHORIZED PERSONNEL AND ANIMALS

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

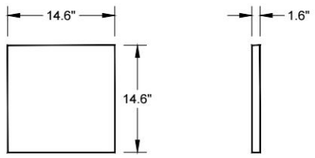
COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

MISCELLANEOUS DETAILS

SHEET D-1



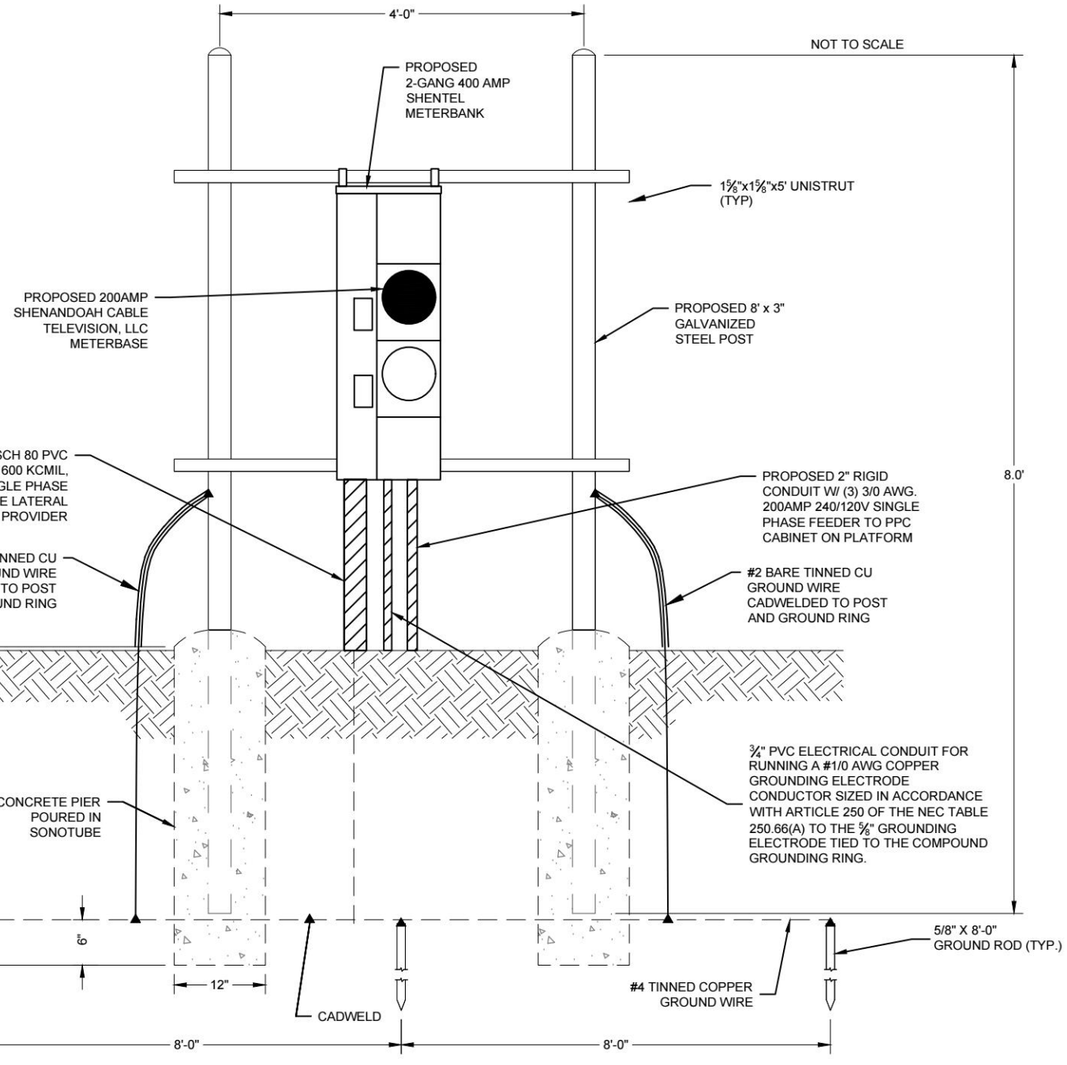
FRONT VIEW SIDE VIEW

MT-485025/NVH
NOT TO SCALE
14.6"Lx14.6"Wx1.6"D
5.5 LBS
MTI

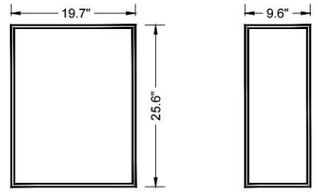
ANTENNA DETAIL

PROPOSED EQUIPMENT DATA								
COMPONENT	*MANUFACTURER*	*MODEL*	*WIDTH (INCH)*	*DEPTH (INCH)*	*HEIGHT (INCH)*	*QTY*	*WT. EACH (LBS)*	*TOTAL WT. (LBS)*
BTS CABINET	ALCATEL LUCENT	9712	25.6	29.6	51.9	1	421	421
BTS CABINET	NOKIA	ACOA 13U	25.6	29.6	26.9	1	117	117
BATTERY CABINET	ALCATEL LUCENT	99BC	31.5	31.2	63.6	1	2640	2640
ANTENNA	NOKIA	AAHF mMIMO	19.7	9.6	25.6	3	103.6	310.8
RADIO	MIMOSA	B5c	6.2	3	10.5	1	3.5	3.5
ANTENNA	MTI	MT-485025/NVH	14.6	1.6	14.6	1	5.5	5.5

* DIMENSION & WEIGHTS OF RRH UNITS ARE
WITHOUT SOLAR SHIELD AND MOUNTING BRACKET



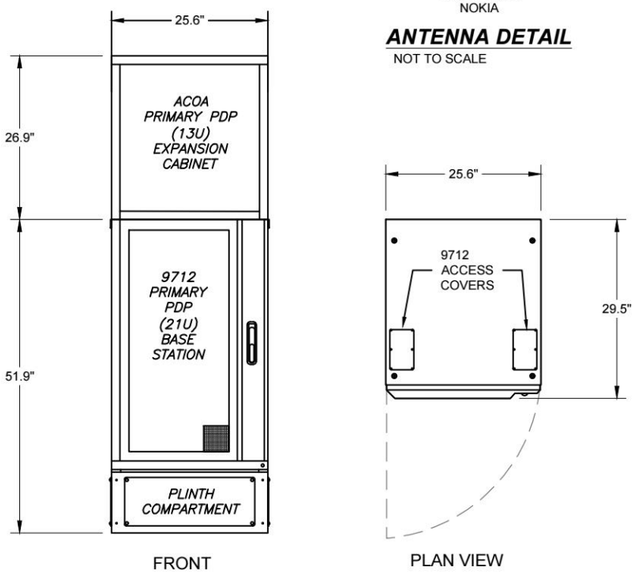
PROPOSED 3-GANG METERBOARD DETAIL
NOT TO SCALE



FRONT VIEW SIDE VIEW

mMIMO AAHF
NOT TO SCALE
25.6"Lx19.7"Wx9.6"D
103.6 LBS
504.32 SQ. IN.
NOKIA

ANTENNA DETAIL
NOT TO SCALE



9712 (SINGLE 21U) CABINET DETAIL
NOT TO SCALE

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN
CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

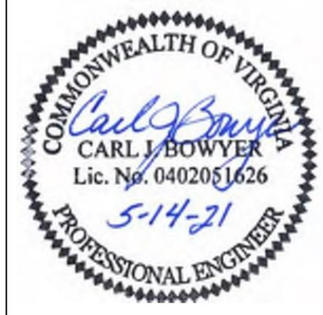
PROPERTY OWNER:
PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

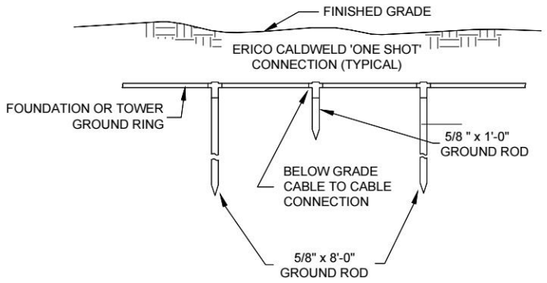
NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

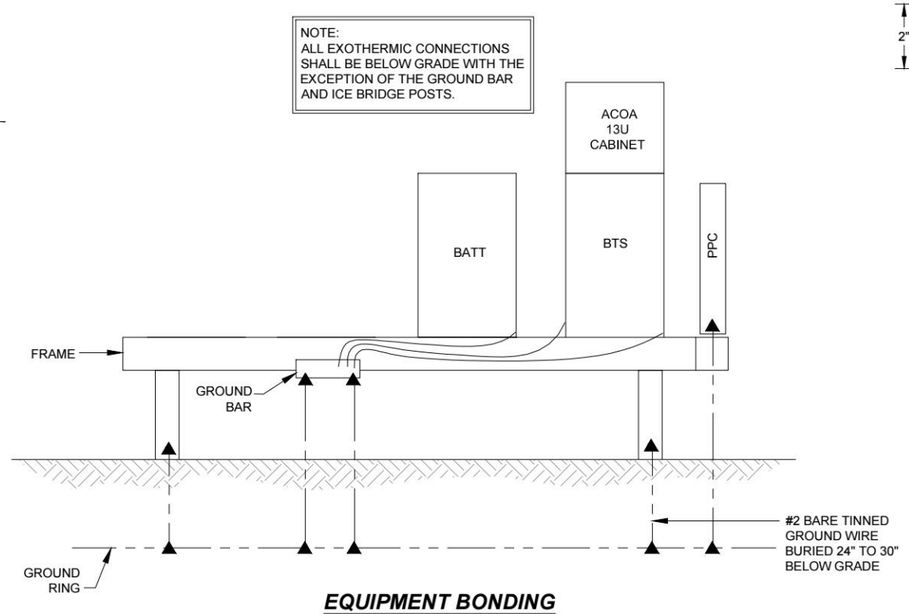
MISCELLANEOUS DETAILS | SHEET D-2



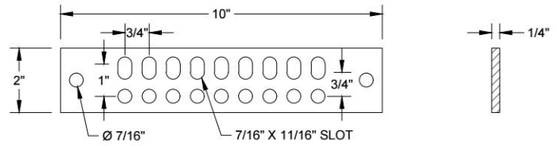
BELOW GRADE CABLE TO CABLE CONNECTION DETAIL
NOT TO SCALE

NOTE:
THIS SHEET OF STANDARD DETAILS HAS BEEN PROVIDED AND IS FOR INFORMATION ONLY. THE INSTALLATION OF ALL ELECTRICAL GROUNDING CIRCUITS SHALL BE INSTALLED AS PER THE CURRENT NATIONAL CODE.

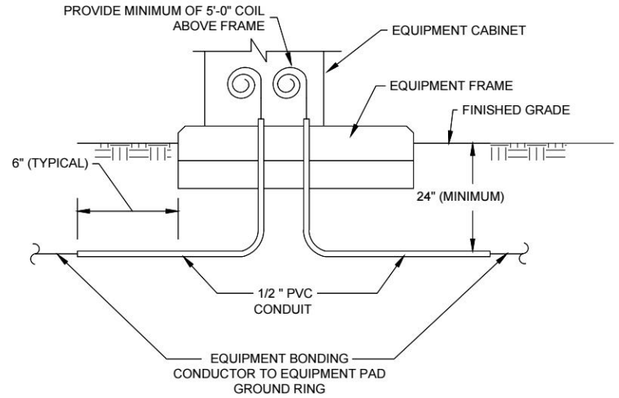
NOTE:
ALL EXOTHERMIC CONNECTIONS SHALL BE BELOW GRADE WITH THE EXCEPTION OF THE GROUND BAR AND ICE BRIDGE POSTS.



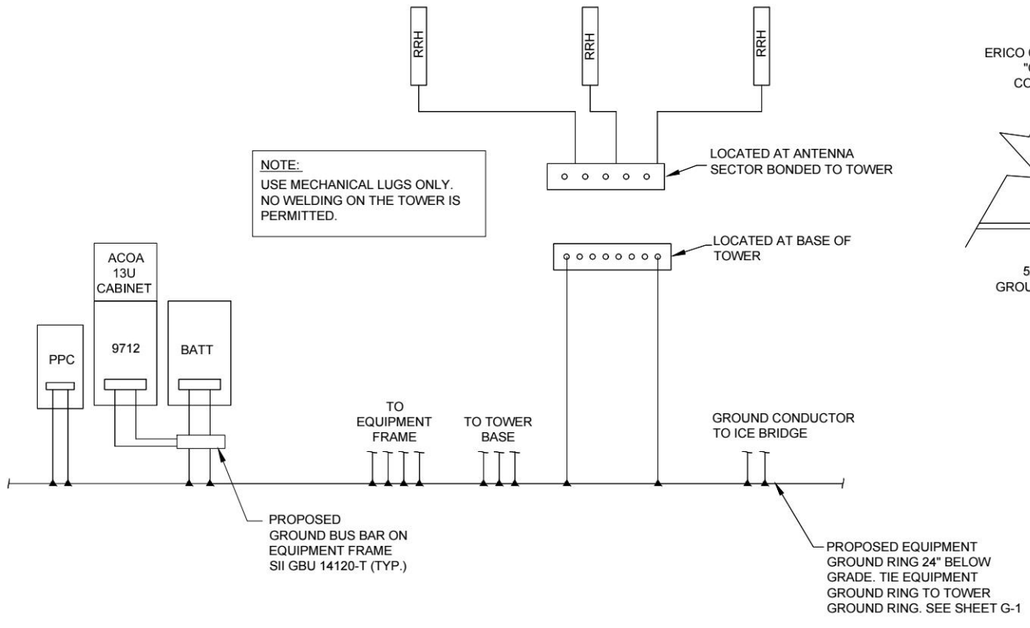
EQUIPMENT BONDING CONDUCTOR ROUTING DETAIL
NOT TO SCALE



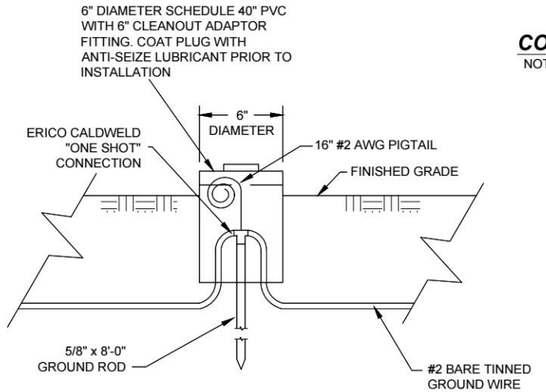
GROUND BAR DETAIL (ENFORCER #SII-GBU14210-T)
NOT TO SCALE



EQUIPMENT BONDING CONDUCTOR ROUTING DETAIL
NOT TO SCALE

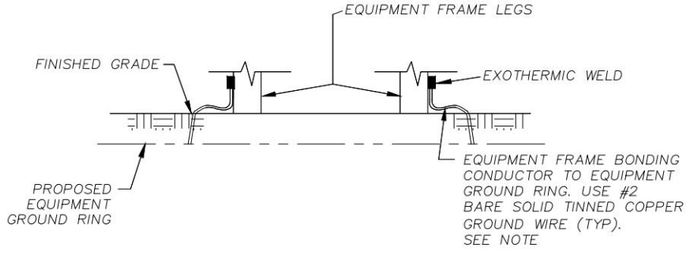


GROUNDING RISER DIAGRAM
NOT TO SCALE



INSPECTION WELL DETAIL
NOT TO SCALE

NOTE:
ALL ABOVE GRADE GROUND LEADS ARE TO BE SEALED W/ SEALTITE TO 18" BELOW GRADE FILL OPENINGS W/ CLEAR SILICONE CAULKING.



EQUIPMENT FRAME GROUNDING DETAIL
N.T.S.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

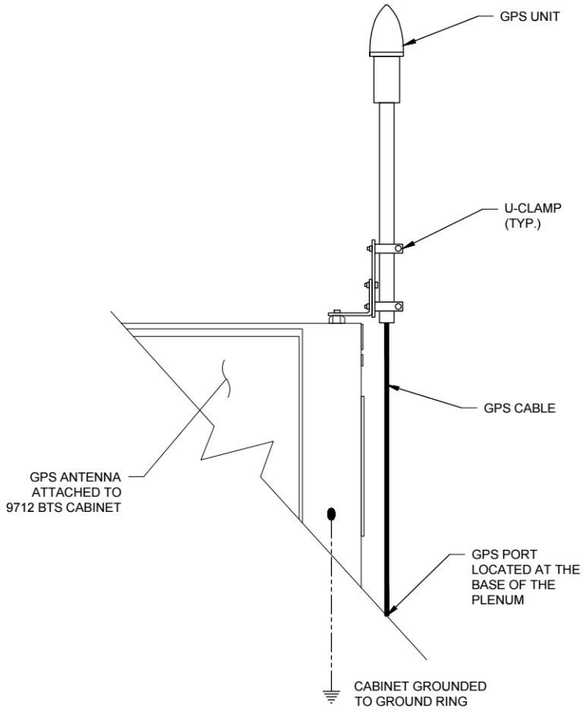
COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

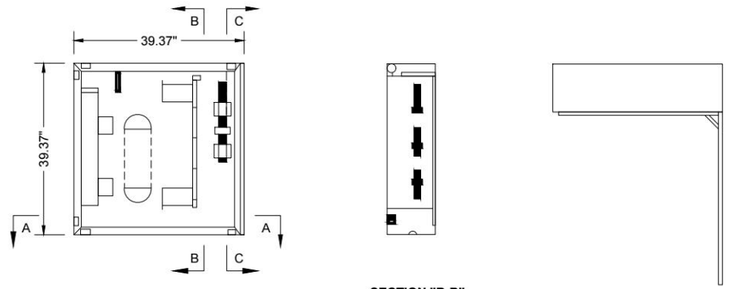
PROJECT # R4461000-210677.01

MISCELLANEOUS DETAILS

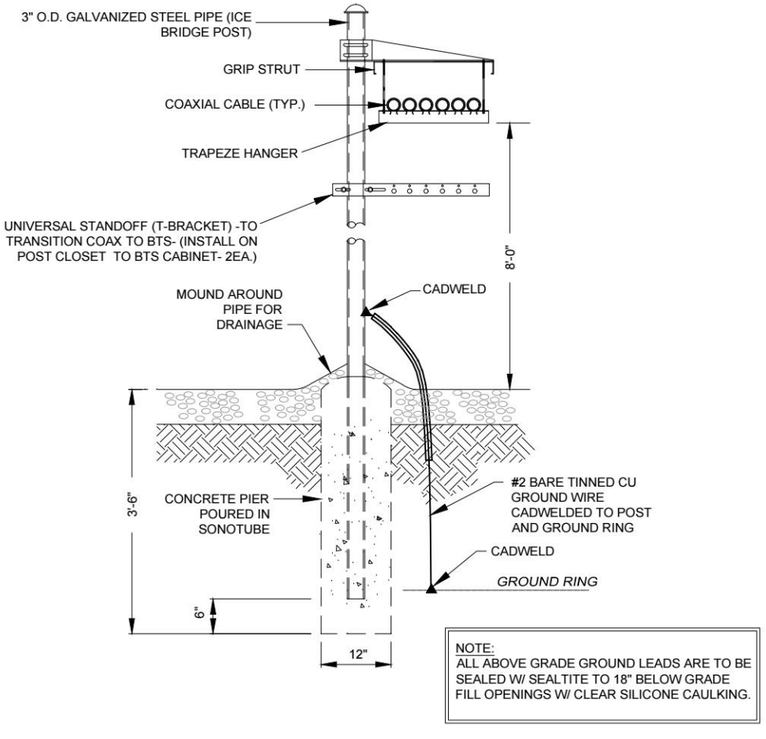
SHEET D-3



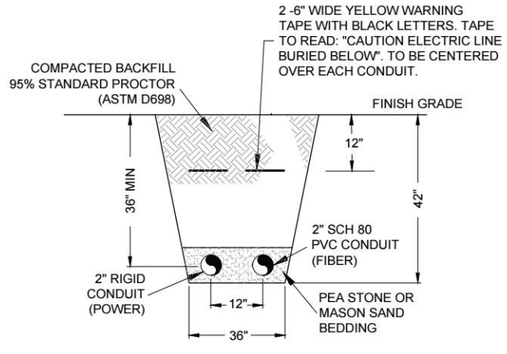
GPS UNIT DETAIL
NO SCALE



DISTRIBUTION BOX PLAN VIEW
NO SCALE



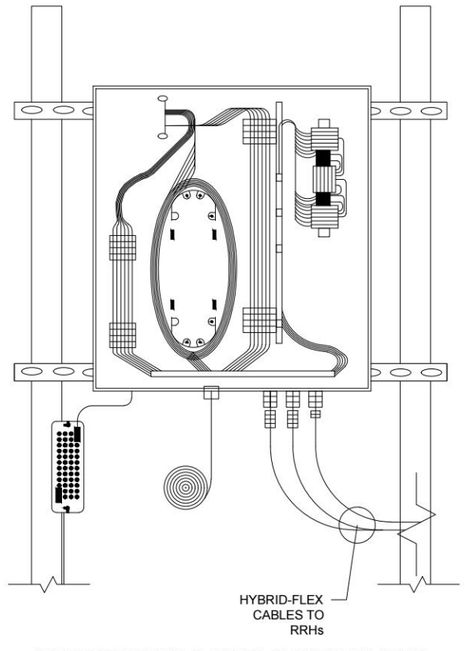
ICE BRIDGE DETAIL
NO SCALE



TRENCHING DETAIL FOR CONDUIT ROUTING
NO SCALE

NOTE:

1. CONDUITS ARE TO BE STUBBED UP TO NEAREST UTILITY POLE WITHIN 2" OF THE POLE.
2. ALL DISTURBED AREAS NOT COVERED BY STONE ARE TO BE SEEDED AND MULCHED.
3. CONTRACTOR WILL BE RESPONSIBLE FOR REMOVAL OF UNSUITABLE MATERIAL WHICH WILL NOT COMPACT PROPERLY.



DISTRIBUTION BOX ELEVATION VIEW
NO SCALE

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN
CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

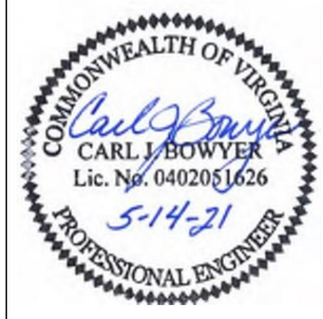
PROPERTY OWNER:
PATRICIA W. PATTERSON
191 PATTERSON MILL LN
CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

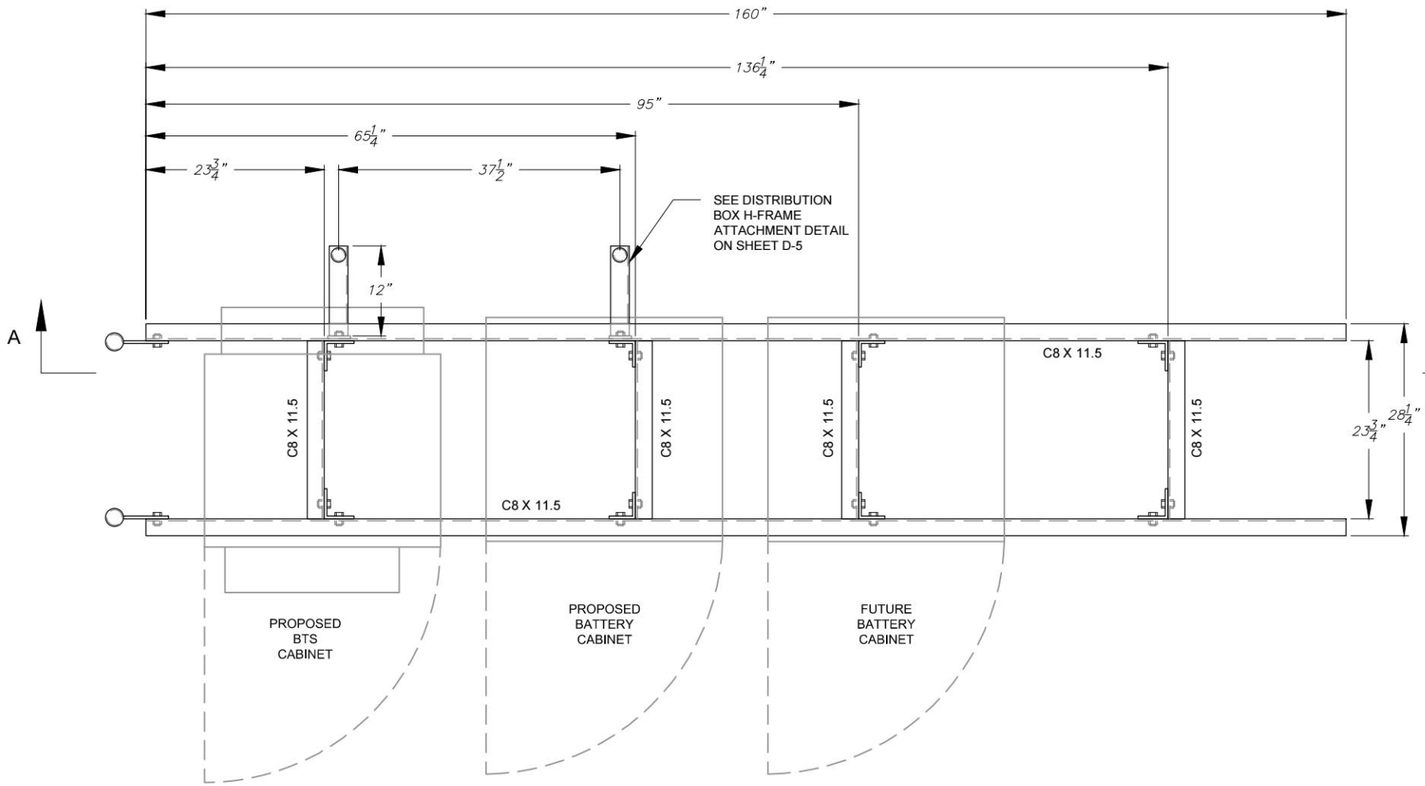


Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

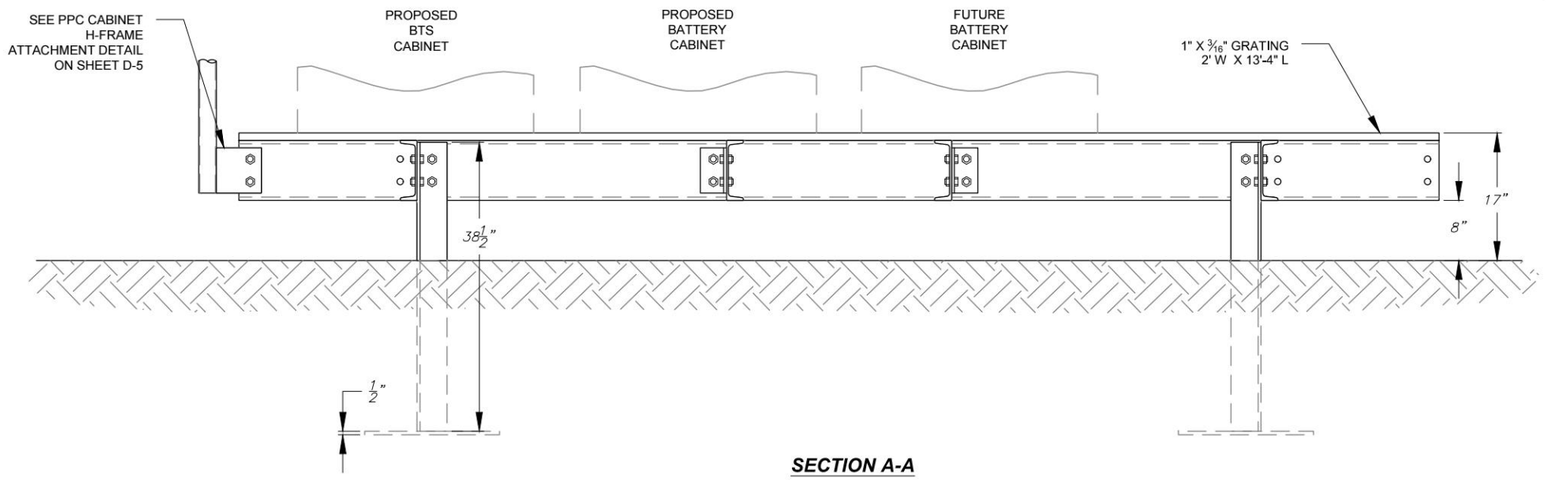
PROJECT # R4461000-210677.01

MISCELLANEOUS DETAILS

SHEET D-4



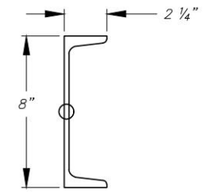
PLAN VIEW



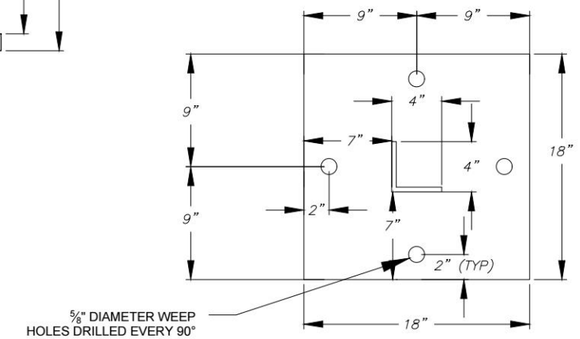
SECTION A-A

PROPOSED EQUIPMENT FRAME

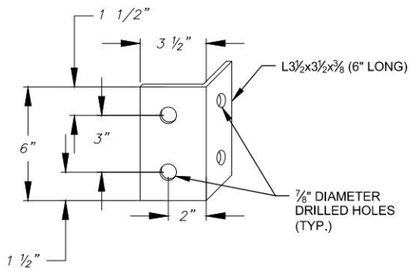
NOT TO SCALE



C8X11.5 C-CHANNEL



BASE PLATE DETAIL



CLIP DETAIL

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

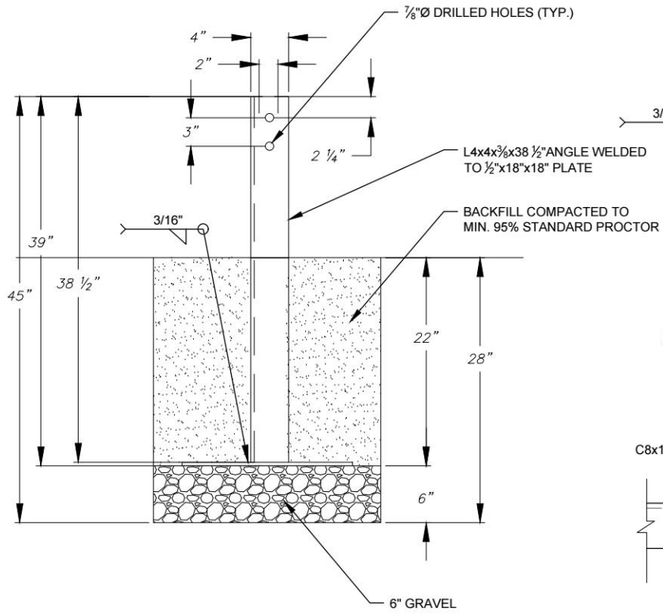
COMMONWEALTH OF VIRGINIA
CARL J. BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

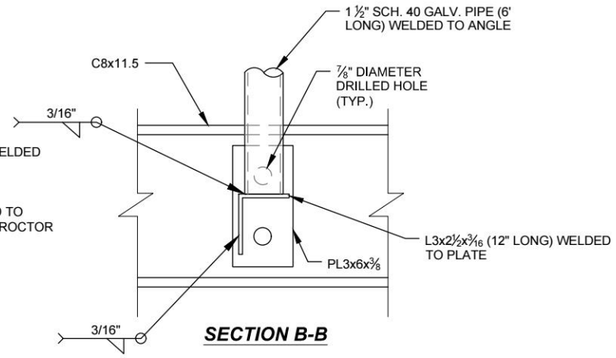
PROJECT # R4461000-210677.01

EQUIPMENT FRAME DETAILS

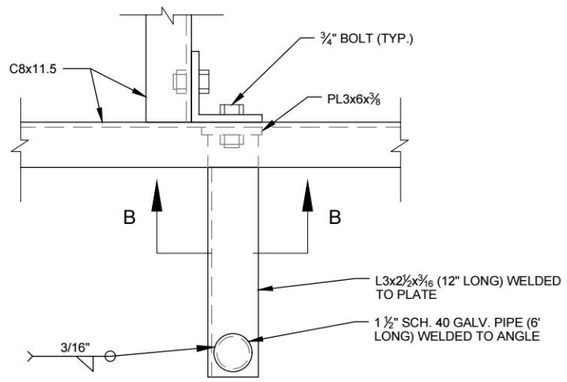
SHEET D-5



LEG SUPPORT DETAIL

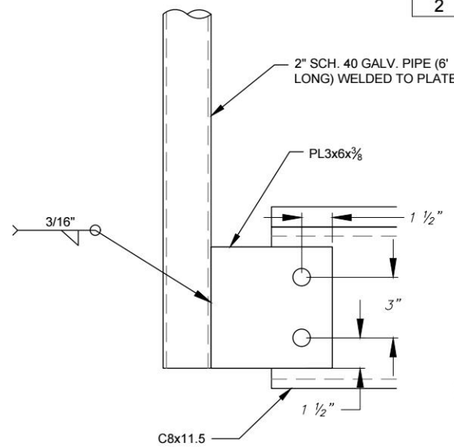


SECTION B-B

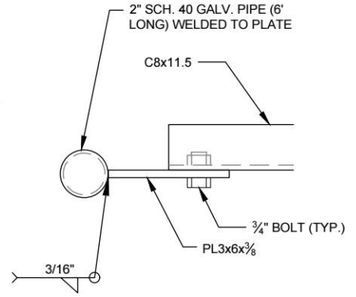


PLAN VIEW

	PARTS LIST
QTY	DESCRIPTION
1	C8x11.5 CHANNEL 13'-4" RIGHT
1	C8x11.5 CHANNEL 13'-4" LEFT
4	C8 x 11.5 CHANNEL 1'-11 3/4"
4	L3½x3½x⅜ (6" LONG) CLIPS
2	2" SCH. 40 GALV. PIPES (6' LONG)
2	1½" SCH. 40 GALV. PIPE (6' LONG)
1	1"x3/16" GRATING (2'-6" W X 13'-4"L)
36	¾"x2" A325 GALV. BOLTS
16	GRATING SADDLE CLIPS
4	PL½x18x18 STEEL BASE PLATES
4	L4x4x⅜ ANGLE LEGS (38½" LONG)
2	PL6x6x⅜
2	PL3x6x⅜
2	L3x2½x3/16 (12" LONG)



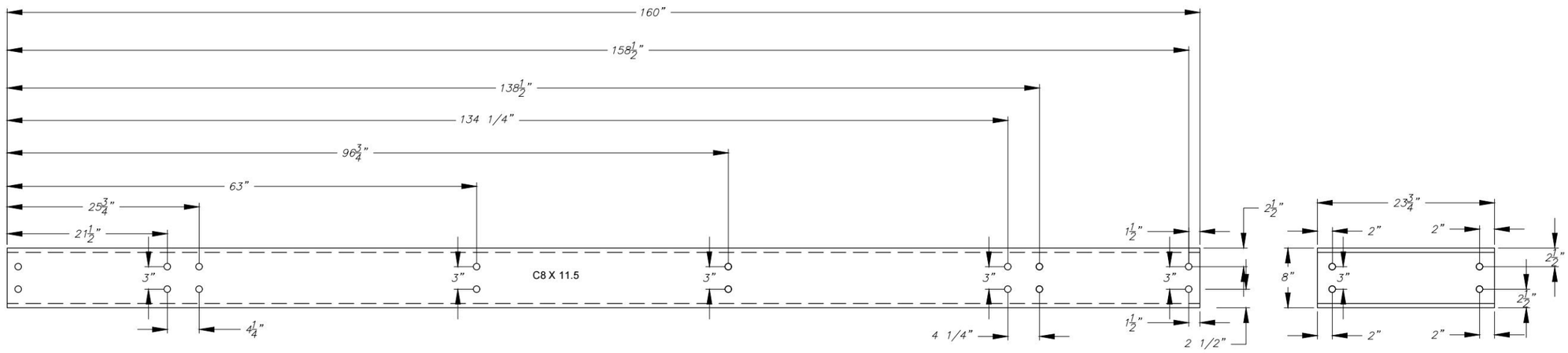
ELEVATION VIEW



PLAN VIEW

DISTRIBUTION BOX H-FRAME ATTACHMENT DETAIL

PPC CABINET H-FRAME ATTACHMENT DETAIL



C-CHANNEL BEAM LAYOUT

CROSS BEAM LAYOUT

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

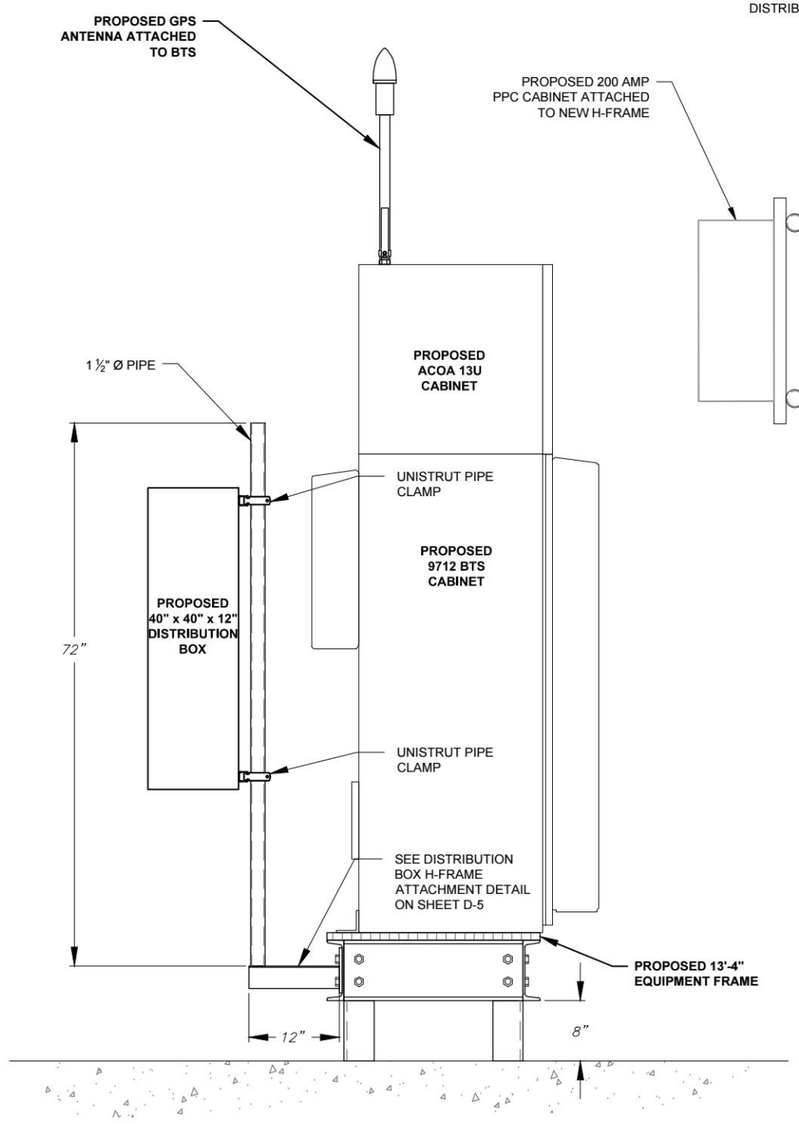
COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

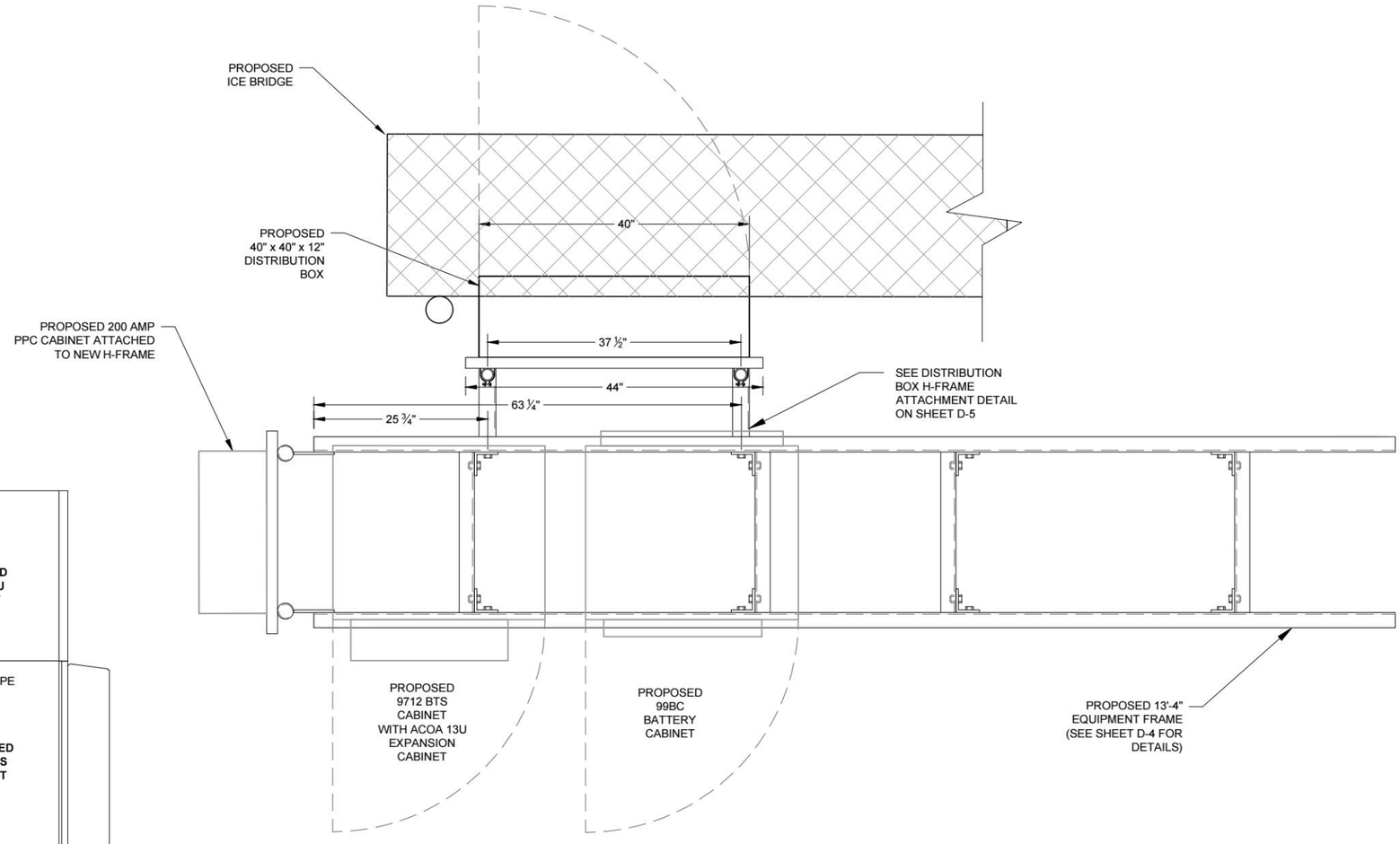
EQUIPMENT FRAME DETAILS

SHEET D-6



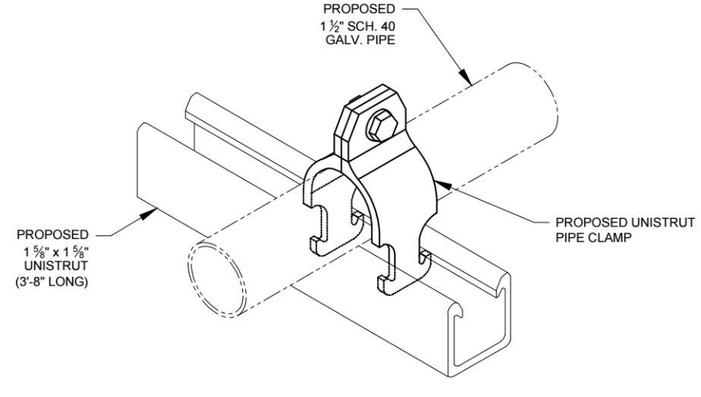
H-FRAME ELEVATION DETAIL

NOT TO SCALE



PROPOSED H-FRAME PLAN VIEW

NOT TO SCALE



UNISTRUT ATTACHMENT DETAIL

NOT TO SCALE

SHENTEL
Always connected to you

500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

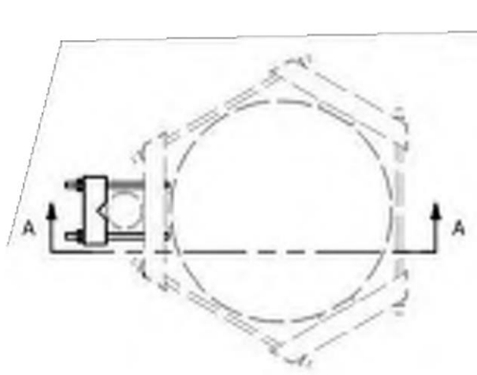
NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

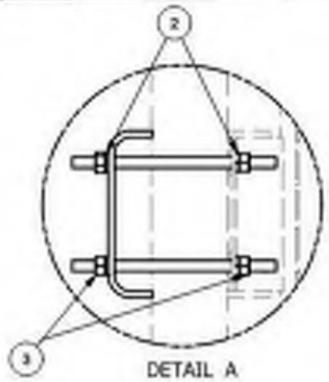
COMMONWEALTH OF VIRGINIA
CARL J BOWYER
Lic. No. 0402051626
5-14-21
PROFESSIONAL ENGINEER

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

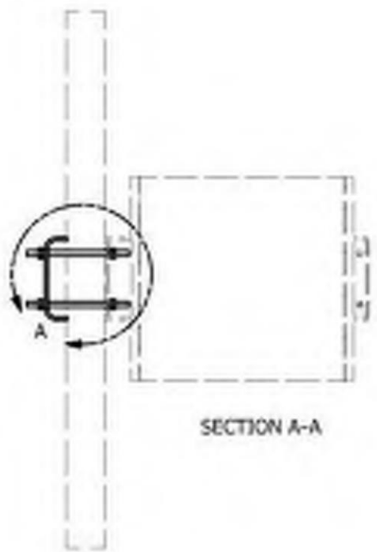
H- FRAME DETAILS	SHEET D-7



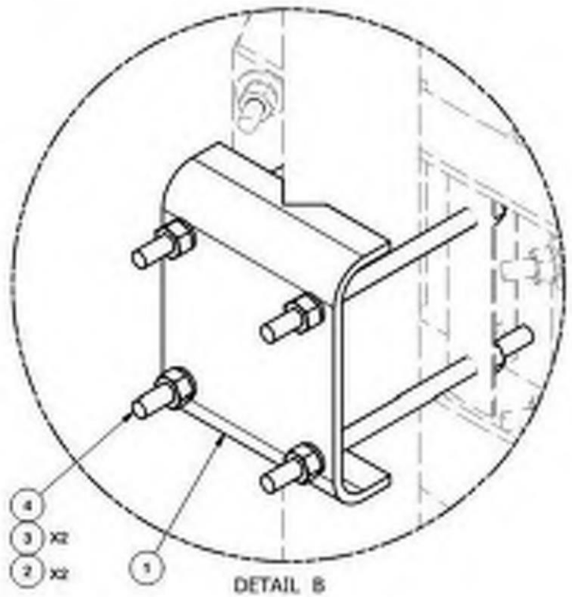


DETAIL A

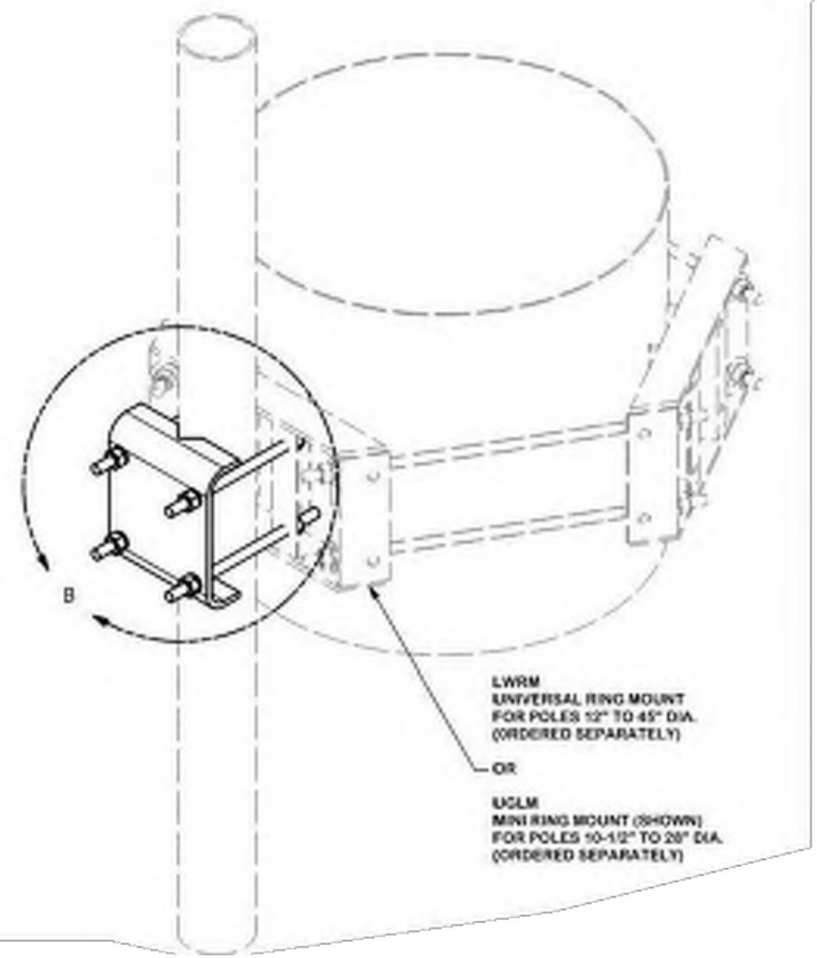
PARTS LIST						
ITEM	QTY	PART NO.	PART DESCRIPTION	LENGTH	UNIT WT.	NET WT.
1	1	X-214133	BENT PLATE V-CLAMP	12 5/8 in	11.43	11.43
2	8	G58LW	5/8" HDG LOCKWASHER		0.03	0.21
3	8	G58NUT	5/8" HDG HEAVY 2H HEX NUT		0.13	1.04
4	4	G58R-12	5/8" x 12" THREADED ROD (HDG.)		0.35	1.41
					TOTAL WT. #	16.32



SECTION A-A



DETAIL B



FLUSH MOUNT ADAPTER DETAIL
(SITE PRO FMA1) (OR EQUIVALENT)

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

FOR INFORMATION PURPOSES ONLY

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

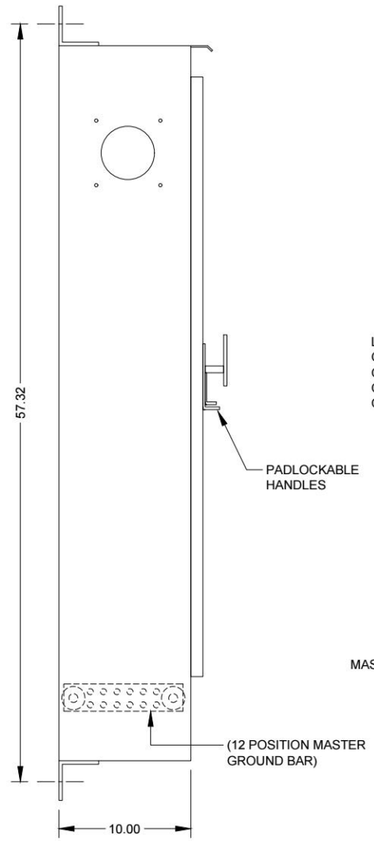
PROJECT # R4461000-210677.01

SECTOR FRAME DETAILS

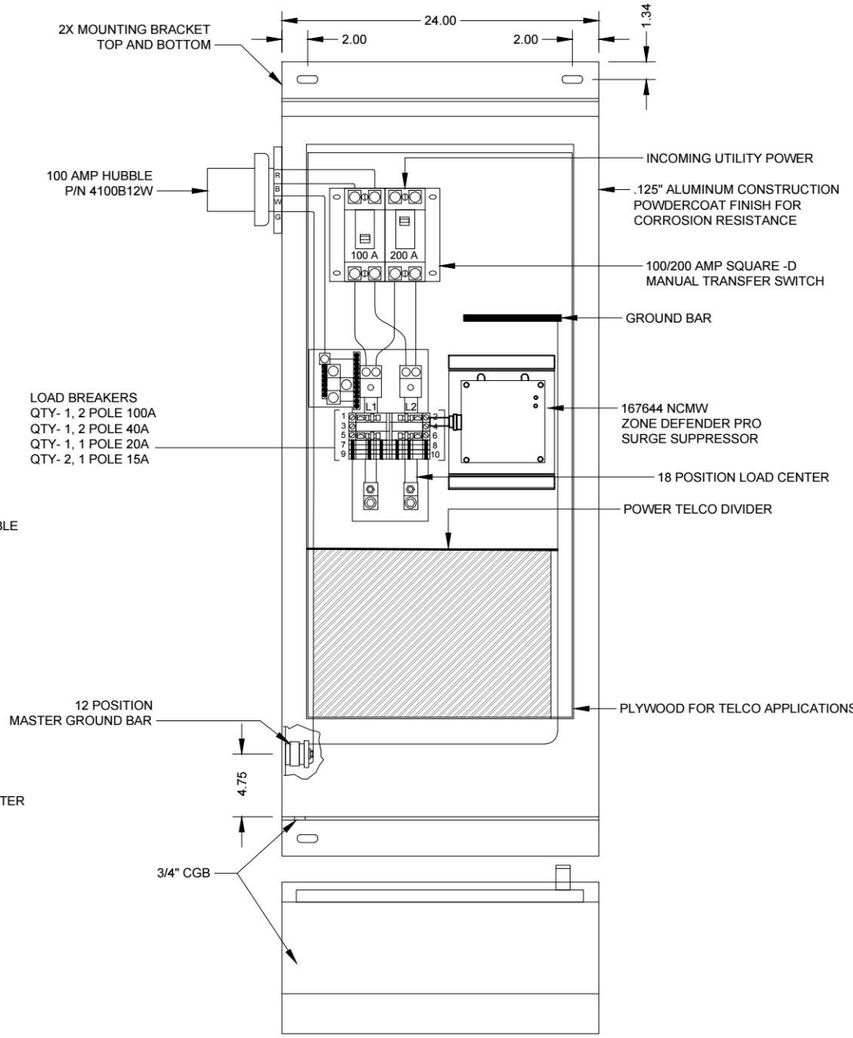
SHEET D-8

PRIMARY POWER CABINET PANEL SCHEDULE

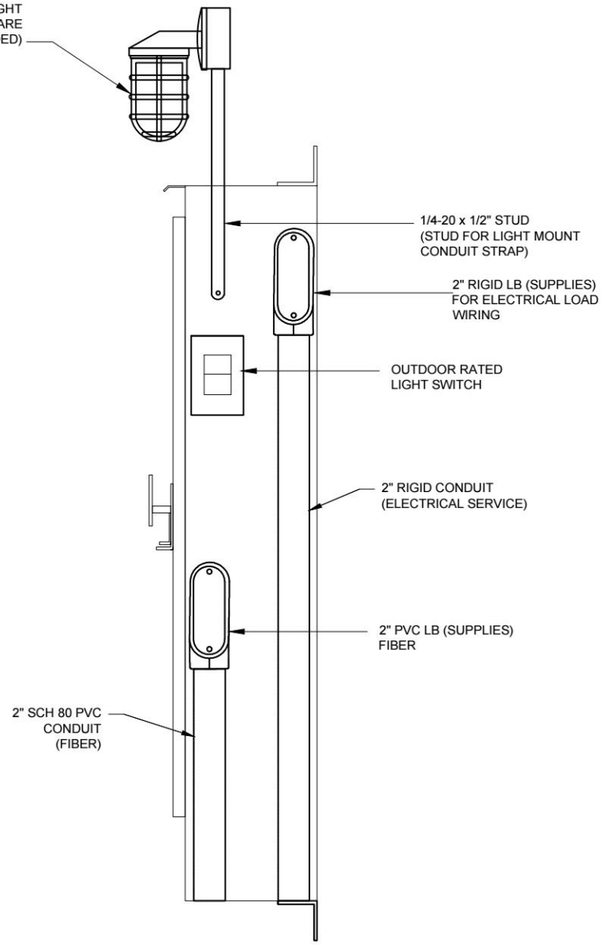
CKT NO.	DESCRIPTION	BREAKER	# POLES	AMP LOAD	CKT NO.	BREAKER	# POLES	AMP LOAD	DESCRIPTION
1	SPARE				2	15	1	9	LIGHT SWITCH
3	SPARE				4		2	22	SURGE PROTECTION
5	SPARE				6				
7	SPARE				8	20	1	16	GFI RECEPTACLE
9	SPARE				10		1		SPARE
11	SPARE				12		2		SPARE
13	SPARE				14				
15	SPARE				16		2	54	BASE STATION
17	SPARE				18				
19	SPARE				20				SPARE
21	SPARE				22				SPARE
23	SPARE				24				SPARE
	MAXIMUM AMP LOAD			160	TOTAL AMP LOAD			101	



LEFT SIDE VIEW
N.T.S.



BOTTOM VIEW
N.T.S.



RIGHT SIDE VIEW
N.T.S.

NOTE:
DIAGRAM PROVIDED FOR GENERAL ILLUSTRATIVE PURPOSES ONLY. PPC CABINET AS PER MANUFACTURER'S SPECIFICATIONS BASED ON ELECTRICAL REQUIREMENT FOR THE PROJECT.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME: PATTERSON MILL

SITE NUMBER: 50064

SITE ADDRESS: TBD PATTERSON MILL LN, CROZET, VA 22932

AREA: LEASE AREA = 900 SQ. FT.

PROPERTY OWNER: PATRICIA W. PATTERSON, 191 PATTERSON MILL LN, CROZET, VA 22932

COUNTY: ALBEMARLE

LATITUDE: N38° 02' 22.61" (38.039614°)

LONGITUDE: W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21

FOR INFORMATION PURPOSES ONLY

Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

PPC CABINET DETAILS

SHEET D-9

GENERAL NOTES - ELECTRIC WORK

A. WORK INCLUDED:

THIS SPECIFICATION AND ACCOMPANYING DRAWINGS CONTEMPLATES THE PROVISIONS AND INSTALLATION REQUIRED BY THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT REQUIRED TO COMPLETE THE INSTALLATION OF THE ELECTRICAL WORK IN CONNECTION WITH SHENTEL' TOWER SITE AND SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:

1. THE PROVISIONS FOR THE INSTALLATION AND CONNECTION OF A GROUNDING ELECTRODE SYSTEM COMPLETE WITH A EQUIPMENT CABINET AND SECONDARY GROUNDING, EXISTING TOWER GROUNDING, AND CONNECTIONS TO THE INCOMING ELECTRICAL DISTRIBUTION EQUIPMENT.
2. THE PROVISIONS FOR THE INSTALLATION OF AN ELECTRICAL SERVICE AND ALL ASSOCIATED CONDUIT AND WIRING AS REQUIRED.
3. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC. (UNLESS OTHERWISE NOTED)
4. ALL SPARE CONDUITS SHALL BE LEFT WITH A PULL WIRE FOR FUTURE USE. STUB BOTH ENDS OF SPARE CONDUIT 12 INCHES ABOVE FINISHED GRADE AND INSTALL PLUGS AT BOTH ENDS.
5. THE CONTRACTOR SHALL FURNISH AND INSTALL THE ELECTRICAL SERVICE ENTRANCE CONDUCTORS AND CONDUIT, AND MAKE THE CONNECTION TO THE SERVICE EQUIPMENT WITHIN THE EQUIPMENT CABINET.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL A 200 lb TEST PULL LINE IN ALL SPARE CONDUIT.
7. THE CONTRACTOR SHALL NOTIFY THE ELECTRICAL AND TELEPHONE SERVICE CONTACTS AT THE START OF CONSTRUCTION.
8. THE ABOVE GRADE CONDUIT RISERS SHALL BE GALVANIZED STEEL WITH MATCHING FITTINGS.
9. THE CONTRACTOR SHALL PERFORM ALL WORK SHOWN ON THE EQUIPMENT DRAWINGS, NOTED FIELD WORK, AND/OR AS OTHERWISE NOTED TO BE COMPLETED IN THE FIELD.
10. ALL WIRE SHALL BE (COPPER, 600V THHW, 90ºC) UNLESS NOTED OTHERWISE.
11. THE CONTRACTOR SHALL MAINTAIN A DISTANCE OF 12 INCHES BETWEEN EXISTING/NEW TELCO & ELECTRIC CONDUITS UNLESS NOTED OTHERWISE.
12. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF THE PROPOSED GROUNDING SYSTEM PRIOR TO TRENCHING.

B. ***CODES, PERMITS AND FEES:***

1. ALL REQUIRED PERMITS, LICENSES, INSPECTIONS AND APPROVALS SHALL BE SECURED AND ALL ASSOCIATED FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. THE INSTALLATION SHALL COMPLY WITH ALL STATE, LOCAL, AND NATIONAL APPLICABLE CODES AND ORDINANCES RELATIVE TO THE DESIGN.
3. PERFORMANCE CHARACTERISTICS AND METHODS OF CONSTRUCTION OF ALL ITEMS AND EQUIPMENT, SHALL BE IN ACCORDANCE WITH THE LATEST ISSUE OF THE VARIOUS APPLICABLE STANDARDS SPECIFICATIONS OF THE FOLLOWING RECOGNIZED AUTHORITIES;
   A.N.S.I. - AMERICAN NATIONAL STANDARDS INSTITUTE
   I.E.E.E.- INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
   N.E.C. - NATIONAL ELECTRIC CODE
   N.E.M.A. - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   N.F.P.A. - NATIONAL FIRE PROTECTION ASSOCIATION
   U.L. - UNDERWRITERS LABORATORIES, INC.
4. THE CONTRACTOR SHALL BE LICENSED TO PERFORM WORK IN THE STATE, CITY, OR COUNTY IN WHICH THE WORK IS TO BE PERFORMED.

C. ***GROUNDING ELECTRODE SYSTEM***

1. CONNECTIONS
   ALL GROUNDING CONNECTIONS SHALL BE MADE UTILIZING AN EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL), UNLESS OTHERWISE SHOWN. CONNECTIONS SHALL INCLUDE ALL CABLE TO CABLE, SPLICES, TEE's, X's, ETC. ALL CABLE TO GROUND RODS, GROUND ROD SPLICES, AND LIGHTING PROTECTION SYSTEM AS INDICATED. ALL MATERIALS USED (MOLDS, WELDING METAL, TOOLS, ETC.) SHALL BE CADWELDED AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES.
2. GROUND RODS
   ALL GROUND RODS SHALL BE 5/8" INCH STAINLESS STEEL OR COPPER CLAD STEEL COPPERWELD OR APPROVED EQUAL. THE MINIMUM NUMBER OF GROUNDING RODS REQUIRED SHALL BE THE NUMBER AS SHOWN AND AT THE LOCATIONS AS INDICATED ON THE PLANS. GROUNDING RODS SHALL BE DRIVEN VERTICALLY IN UNDISTURBED EARTH FOR ITS FULL LENGTH SO THAT THE TOP IS 24 INCHES BELOW FINISHED GRADE. ALL GROUND RODS SHALL BE AT LEAST 8 FEET APART UNLESS OTHERWISE NOTED.
3. GROUNDING LEADS
   ALL GROUND LEADS CONNECTED TO BURIED GROUND RINGS SHALL BE #2 AWG TINNED SOLID COPPER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 FEET OF #2 AWG TINNED SOLID COPPER COILED AT EACH EQUIPMENT CABINET, COAX ENTRY GROUND BAR, PIPE BRIDGE SUPPORT FOUNDATIONS, AND TOWER FOUNDATIONS FOR TERMINATION BY THE ELECTRICAL CONTRACTOR. AFTER CABINET INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL SPLICE GROUND RING LEAD TO #2 AWG INSULATED STRANDED COPPER WIRE SUPPLIED WITH CABINET.
4. GROUND RING
   THE GROUND RING REQUIRED TO GROUND THE EQUIPMENT FRAME SHALL BE #2 AWG TINNED SOLID COPPER CABLE IN DIRECT CONTACT WITH THE EARTH AT A DEPTH OF NOT LESS THAN 24 INCHES. CONDUCTOR BENDS SHALL HAVE A MINIMUM RADIUS OF 12 INCHES. A 2 FOOT CLEARANCE FROM ANY FOUNDATION OR SIDEWALK SHALL BE MAINTAINED.
5. BACKFILL
   BACK FILL MATERIAL SHALL BE NON-CORROSIVE, LOW RESISTIVITY MATERIAL, FREE OF STONE, DEBRIS, ETC. AND TAMPED DOWN THOROUGHLY IN LAYERS NOT EXCEEDING SIX (6) INCHES IN DEPTH, AND COMPACTED TO AT LEAST 95% OF ITS ORIGINAL DENSITY BEFORE EXCAVATION.
6. MISCELLANEOUS
   ALL EXTERIOR METAL SHALL BE CONNECTED TO THE GROUNDING SYSTEM WITH HIGH PRESSURE 2-BOLD LUG BY BURNDY OR BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AS APPLICABLE. ALL OTHER CONNECTIONS FOR THE GROUND GRID SYSTEM SHALL BE MADE BY THE EXOTHERMIC WELDED PROCESS (CADWELD OR APPROVED EQUAL) AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND PROCEDURES. ALL MECHANICAL FASTENER CONNECTIONS CONNECTED TO GROUND BARS SHALL BE LUBRICATED WITH A CORROSION INHIBITOR; THOMAS AND BETTS KOPR - SHIELD.
7. UTILITY COMPANY COORDINATION
   ELECTRICAL CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE RULES AND GUIDELINES OF THE LOCAL UTILITY COMPANY. BEFORE SUBMITTING HIS BID, THE CONTRACTOR SHALL CHECK WITH THE UTILITY COMPANIES SUPPLYING SERVICE TO THE PROJECT AND SHALL DETERMINE ALL REQUIRED EQUIPMENT AND SERVICE CHARGES AND SHALL INCLUDE IT IN HIS BID COST.
8. GROUND TEST
   GROUND TESTS SHALL BE PERFORMED UTILIZING A BIDDLE GROUND OHMER OR THE METHOD OF USING TWO AUXILIARY GROUND RODS MAY BE USED AS DESCRIBED IN I.E.E.E. STANDARD No. 550, PARAGRAPH 3.42. THE I.E.E.E. METHOD REQUIRES THE USE OF AN A.C. TEST CURRENT. THE AUXILIARY TEST RODS MUST BE AT A SUFFICIENT DISTANCE AWAY FROM THE ROD UNDER TEST SO THAT THE REGIONS IN WHICH THEIR RESISTANCE IS LOCATED DOES NOT OVERLAP. THE CONTRACTOR SHALL MAINTAIN CONTINUITY OF ANY EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO THE EXISTING OR NEW GROUNDING SYSTEM.

D. TESTING

1. ALL TEST SHALL BE PERFORMED BY AUTHORIZED AND QUALIFIED PERSONNEL.
2. THE CONTRACTOR SHALL CONDUCT GROUND RESISTANCE TEST IN THE FORMAT AS FOLLOWS: TESTS SHALL BE PERFORMED UNDER DRY SOIL CONDITIONS WITH THE GROUND RODS CONNECTED AND WHEN NO STANDING OR GROUND WATER HAS BEEN PRESENT FOR THE PAST TEN DAYS. IF THE RESISTANCE OF THE ENTIRE SYSTEM EXCEEDS 5 OHMS, THE ELECTRICAL CONTRACTOR AND OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED SO THAT ADDITIONAL AND/OR DEEPER RODS CAN BE INSTALLED.
3. THE CONTRACTOR SHALL CALL AN SHENANDOAH CABLE TELEVISION, LLC REPRESENTATIVE FOR INSPECTION OF THE GROUNDING SYSTEM 48 HOURS PRIOR TO ITS COMPLETION. THE SYSTEM SHALL BE LEFT UNCOVERED UNTIL APPROVED.
4. UPON COMPLETION OF THE GROUNDING SYSTEM, THE ELECTRICAL CONTRACTOR SHALL MEGGER TEST THE GROUND SYSTEM. THE TEST IS TO BE PERFORMED BEFORE CONNECTING IT TO THE TOWER RING AND THEN AGAIN THEREAFTER. MAXIMUM RESISTANCE LEVEL IS 5 OHMS. THE LOCATION, DATE, TIME, WEATHER CONDITIONS, AND SOIL MOISTURE CONTENT SHALL BE RECORDED. IF 5 OHMS IS EXCEEDED WITHIN THE CURRENT CONFIGURATION, THE ELECTRICAL CONTRACTOR SHALL SUBMIT A QUOTE TO THE OWNER TO LOWER THE RESISTANCE TO 5 OHMS OR LESS.

E. ELECTRICAL LOADS

1. THE EQUIPMENT IS SET UP FOR A 200 AMP, 120/240 VOLT, SINGLE PHASE, THREE WIRE ELECTRICAL SERVICE. THE TOTAL CONNECTED LOAD IS 10.1 KILOVOLT-AMPERES (KVA).

SPECIAL CONTRACTOR NOTES

NOTE 1:

1. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ANY EXISTING GROUNDING GRID PRIOR TO TRENCHING.
2. CONTRACTOR SHALL MAINTAIN CONTINUITY OF EXISTING GROUND RING BY SPLICING (VIA CADWELD) ANY CUT OR BROKEN SECTIONS WITH #2 SOLID TINNED COPPER TO THE EXISTING OR NEW GROUNDING SYSTEM.

NOTE 2:

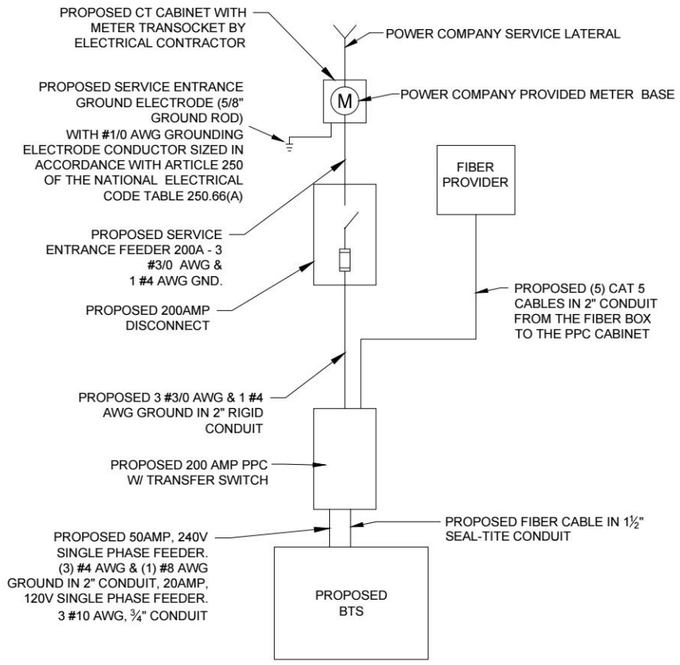
1. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL HAND DIG IN THE VICINITY OF ALL EXISTING LINES.

F. TELCO

1. PULL BOX (12" x 12") TO BE INSTALLED ON THE END OF THE TELCO CONDUIT AT METERBOARD AND PPC CABINET.

NOTES:

1. THE SUBCONTRACTOR SHALL VERIFY 200 AMP, SINGLE PHASE, 120/240 VAC 60HZ SERVICE FOR THE SITE.
2. THE SUBCONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY BEFORE THE START OF CONSTRUCTION. POWER AND TELEPHONE CONDUIT SHALL BE PROVIDED AND INSTALLED PER UTILITY REQUIREMENTS.
3. FOR COMPLETE INTERNAL WIRING AND ARRANGEMENT, REFER TO DRAWINGS PROVIDED BY PANEL MANUFACTURER.
4. THE SUBCONTRACTOR SHALL INSTALL SUFFICIENT LENGTHS OF CONDUIT INCLUDING ALL CONDUIT FITTINGS (NUTS, REDUCING BUSHINGS, ELBOWS, COUPLINGS, ETC.) NECESSARY FOR CONNECTING FROM CONDUIT TO THE INTERIOR OF THE BTS CABINET.
5. THE SUBCONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE EQUIPMENT WITH FAULT CURRENT RATINGS GREATER THAN THE AVAILABLE FAULT CURRENT FROM THE POWER UTILITY.
6. AT THE END OF THE CONDUIT, CUT COIL AND TAPE A 10' FOOT PIGTAIL FOR TERMINATING BY BTS EQUIPMENT MANUFACTURER.
7. THE SUBCONTRACTOR SHALL VERIFY THAT THE MAIN BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR IS INSTALLED PROPERLY WHEN PANEL SERVICE ENTRANCE EQUIPMENT IS INSTALLED.
8. THE CONTRACTOR SHALL VERIFY THAT THE INSTALLATION PERFORMED BY HIS SUBCONTRACTOR CONFORMS TO THE CURRENT NATIONAL CODE.



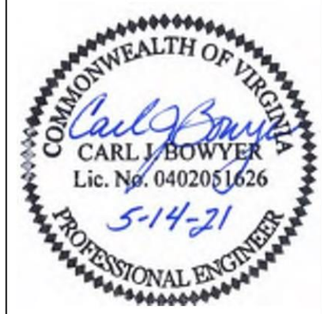
ONE-LINE DIAGRAM
UNDERGROUND SERVICE TO PEDESTAL
NOT TO SCALE

NOTE:
DIAGRAM PROVIDED FOR GENERAL ILLUSTRATIVE PURPOSES ONLY AND THAT ANY CHANGES OR MODIFICATIONS SHALL BE ADDRESSED WITH THE OWNER.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

ELECTRICAL NOTES	SHEET D-10

ANTENNA, RRH UNITS AND CABLE INSTALLATION NOTES:

1. THE CONTRACTOR IS TO VERIFY THE RF DATA 48 HOURS PRIOR TO THE INSTALLATION OF ANY EQUIPMENT. THE RF DATA SHEET IS TO BE FOLLOWED AND SUPERSEDES WHAT MAY BE SHOWN IN THE CONSTRUCTION PLAN SET. WHEN THERE IS CONFLICT BETWEEN THE TWO. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION MANAGER.

2. COLOR CODING TO BE PLACED ON BOTH ENDS OF JUMPER FOR TOWER TOP FOR EASE OF INSTALLATION. JUMPER SUPPORT TO BE SHENTEL PROVIDED BLOCKS AND STAINLESS HARDWARE. **NO SNAP-IN'S STACKS** WILL BE ALLOWED ON SECTOR FRAME.

3. THE CONTRACTOR SHALL MAKE SURE THAT THE COLOR CODING HAS BEEN SO MARKED ON EACH END OF THE CABLES AT THE CONNECTION POINTS OF THE AARC AND HYBRID-FLEX FIBERS BEFORE ENTRY TO CPRI PORTS. THERE IS MINIMAL SLACK IN FIBER WHEN INSTALLED IN THE BRACKET SO THE CONTRACTOR SHALL MAKE SURE THAT THE SUPPORT IS TURNED THE CORRECT WAY FOR PROPER CLOSEOUT PICTURE LAYOUT.

4. THE CONTRACTOR SHALL VERIFY THAT THE CORRECT AMOUNT OF POWER GLANDS AND SINGLE HOLE BUSHINGS, SPACERS (2- PER GLAND), AND LOCK RINGS (1- PER GLAND) ARE INSTALLED. BLACK IS ALWAYS THE RETURN WIRE. NO WIRE IS TO BE EXPOSED WHEN CONNECTION IS PROPERLY INSTALLED AND COMPLETE. DOUBLE SPACERS TO BE INSTALLED ON THE OUTSIDE OF THE GLAND AND NOT ON THE INSIDE OF RRH; ONLY LOCK RING GOES INSIDE RRH. THE GLAND NUT WILL NEED TO BE TIGHTENED ONCE INSTALLED INTO THE THREADED PORT. THE POWER LID MUST HAVE A GASKET AND BE TIGHT TO PREVENT MOISTURE TO ENTER THE UNIT AND CAUSE RUST TO FORM. POWER WIRE TO BE COLOR CODED AS PER SECTOR AND REFERENCED AS TO WHAT BAND REMOTE RADIO IS BEING PHOTOGRAPHED.

5. TORQUE WRENCH TO BE USED ON ALL JUMPERS TO THE RRH'S AND ANTENNA CONNECTIONS BETWEEN CABLE AND EQUIPMENT.

6. THE CONTRACTOR SHALL INSPECT EACH ANTENNA BEFORE LEAVING THE WAREHOUSE FOR DAMAGES, SUCH AS, BROKEN RET, ETC., MAKING SURE THE ANTENNA BRACKETS ARE CORRECT FOR THE MODEL ANTENNA(S) THAT IS PICK UP. SOME ANTENNAS MAY HAVE BRACKETS SEPARATE FROM THE BOX THAT THE ANTENNA IS SHIPPED IN SO THE CONTRACTOR MUST VERIFY THE DOWN TILT BRACKET INCLUDED BEFORE LEAVING THE WAREHOUSE BECAUSE SOME ARE NOT PACKAGED WITH ANTENNAS. PRIOR TO INSTALLING THE ANTENNAS, THE CONTRACTOR SHALL PROPERLY SET THE DOWN TILTS WITH A RET CONTROLLER. THE RET INFORMATION NEEDS TO BE SAVED AND ONCE ALL ANTENNAS ARE SET THE SITE FILE WILL NEED TO BE UPLOADED TO ONE DRIVE WITH THE COP. PLEASE MAKE SURE THAT THE RET CABLE IS CONNECTED TO THE **ASIG PORT 2** ONCE YOU DO THE ANTENNA INSTALL. ON ALL PHASE 3 SITES THE RET GOES TO ASIG PORT 2 AND ALL PHASE 1 SITES (800MHZ ADD AND SPRINT VISION SITES) THE RET GOES TO ASIG PORT 1

7. NO SNAP-INS STACKS ON FRAME ALLOWED, JUMPERS SUPPORT BLOCK AND STAINLESS STEEL HARDWARE TO BE PROVIDED BY SHENTEL.

8. SHENTEL WILL PROVIDE THE RRH GROUND LUGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE WIRE AND LUGS AND NECESSARY HARDWARE TO MATE TO THE SHENTEL'S PROVIDED BUSS BARS. NEVER RUN ANY GROUNDING WIRE THROUGH ANY SUPPORT THAT IS ENCASED IN METAL SUCH AS A SNAP-IN OR THROUGH PIPE. THE BUSS IS TO BE MOUNTED TO ANGLE ADAPTERS (2 REQUIRED PER BUS BAR) AND NEVER ON A TOWER-STANDOFF THAT IS MOUNTED WITH HOSE CLAMPS. STAINLESS STEEL HARDWARE ONLY. **NO ZINC TO BE USED ANYWHERE ON SHENANDOAH CABLE TELEVISION, LLC SITES.**

9. GALVANIZED HARDWARE SHALL BE USED ON ALL RRH CONNECTIONS AND BRACKET CONNECTIONS, WHICH INCLUDES, BUT MAY NOT BE LIMITED TO BOLTS, FLAT WASHERS, BRACKETS, FLAT WASHERS, LOCK WASHERS, AND NUTS. ANYTHING OTHER THAN GALVANIZED IS UNACCEPTABLE.

10. FIBER TO BE COLOR CODED PER THE SHENTEL'S COLOR CODE SHEET AND SHALL BE DONE WHILE ON THE GROUND TO AVOID MISMATCH ONCE HOISTED UP TO THE SECTOR FRAME.

11. PLEASE NOTE THAT WHEN INSTALLING THE FIBER TO THE RADIO HEAD THERE IS TO BE NO SLACK IN THE FIBER TO CAUSE A KINK OR TO BE PINCHED UPON TIGHTENING THE BULLET TO RRH. THE JUMPER SUPPORT BRACKET FOR THE 8X20 RRH IS TO BE MOUNTED BELOW THE BOTTOM HORIZONTAL SECTOR FACE. ALL COLOR CODES ARE TO BE SAME ON EVERY SITE:

    a. RRH 1900 SECTOR COLOR/1 VIOLET 1/CPRI PORT 1, SECTOR COLOR 1/VIOLET 2 GOES IN CPRI PORT 2.
    b. RRH 800 SECTOR COLOR/1 ORANGE 1/CPRI 1, SECTOR COLOR 1 ORANGE 2 GOES IN CPRI PORT 2
    c. RRH 2.5GHZ SECTOR COLOR/1 GREEN GOES CPRI PORT 1, SECTOR COLOR/GREEN 2 GOES IN CPRI PORT 2, SECTOR COLOR GREEN 3 GOES IN CPRI PORT 3.

12. ALL POWER WIRE TO BE COLOR CODED BEFORE INSTALLING ON TOWER TO AVOID CONFUSION ONCE POWER CABLE IS MOUNTED UP TOP ON TOWER. RRH POWER WIRES TO BE SUPPORTED WITH SHENTEL'S PROVIDED SUPPORT BRACKETS AND RUBBER GROMMETS. POWER WIRE TO BE COLOR CODED FOR THE SECTOR TO WHICH WILL BE USED, COLOR CODE TO BE USED AT THE CONNECTION POINT GOING INTO THE RRH WITH A LABEL AT THE POWER PORT FOR PROPER IDENTIFICATION IN COP. THE RRH DESIGNATION BEING: 1900 VIOLET, 800 ORANGE AND 2.5 BEING GREEN WITH SECTOR COLOR ON TOP OF RRH CONFIGURATION. SHENANDOAH CABLE TELEVISION, LLC COLOR CODES PER SECTOR ARE:

    a. ALPHA (RED),
    b. BETA (BLUE), AND
    c. GAMMA (YELLOW).

13. ALL SPARE POWER WIRES TO BE COILED AND SECURED WITH GROMMETS AND CLAMPS TO THE SECTOR FRAME AND SUPPORTED AS SUCH TO BE OUT OF THE WAY AND PROPERLY SUPPORTED. ALL SPARE COAX CABLES AND JUMPERS SHALL BE COILED AND SHALL BE TAPED UP (A MINIMUM OF TWO PLACES) AND SECURED TO SECTOR FRAME OR ADJACENT CABLES TO OFFER STABILITY TO THE CABLES SO THAT THEY ARE NOT EXPOSED TO ICE AND WIND DAMAGE. FIBER TO BE SECURED IN BRACKET WITH A COURTESY WRAP OF TAPE AROUND CONNECTION. ALL ENDS OF THE TAPE USED TO RAP AROUND CABLES FOR THE PURPOSE OF SECURING THEM TOGETHER, OR TO SECURE THEM TO THE FRAME *SHALL BE CUT AND NOT TORN, OR PULLED APART* TO PREVENT THE TAPE END FROM UNRAVELING AND COME LOOSE.

14. ALL FIBERS TO BE CLEANED BEFORE TESTING AND CONNECTIONS MADE BEFORE TESTING FIBER RUN UP TOWER TO TOP. SWEEP TEST TO BE COMPLETED IN VSWR ONLY. THE SWEEP IS TO BE A VSWR SYSTEM AND THEN A DTF PER ANTENNA SAVED IN A PDF FORMAT ONLY.
TEST RANGES ARE AS FOLLOWS:

    a. FOR 800MHZ UNITS SET TEST GEAR FREQUENCY RANGE BETWEEN 806 TO 894 MHZ,
    b. FOR 1900MHZ UNITS SET TEST GEAR FREQUENCY RANGE BETWEEN 1710 TO 2170GHZ, AND
    c. 2.5GHZ UNITS SET TEST GEAR FREQUENCY RANGE BETWEEN 2496 TO 2690 GHZ.

15. SWEEP IS TO BE THROUGH JUMPERS THAT IS DESIGNATED TO BE USED ON EACH SECTOR WITH A LIMITING VALUE OF 1.25 PER UNIT. ALL FIBER TEST TO BE 2.5 OR BETTER FROM LC CONNECTION AT FIBER JUMPER ON END OF HFC THROUGH THE HFC TO FIBER CONNECTION POINT IN DISTRIBUTION CABINET.

16. HOISTING GRIPS ARE TO BE ANCHORED UP TOP WITH AN ANGLE ADAPTER OR WEIGHT APPROVED CLEVIS SECURED TO A TOWER CROSS MEMBER. DO NOT USE HOSE CLAMPS. ON MONOPOLE APPLICATIONS PLEASE INVERT A GRIP ON THE BOTTOM OF THE HYBRID-FLEX TO SLIDE UPWARD TO TIGHTEN THE FLEX UP BETWEEN THE TWO GRIPS AND REDUCE THE SLACK INSIDE THE POLE, FAILURE TO DO SO WILL RESULT IN THE CONTRACTOR FIXING THIS AT HIS OWN EXPENSE.

17. THE CANISTER SHALL BE MOUNTED HORIZONTAL IN ALL CASES WITH PROPER SUPPORT. IF A SITUATION ARISES THAT THIS IS NOT POSSIBLE THEN, THE CONTRACTOR MUST GET APPROVAL TO MOUNT THE CANISTER VERTICALLY. PROPER SUPPORT SHALL MEAN THAT THE HFC STAYS CLOSE TO THE TOWER AND THE SECTOR FRAME, NOT BE SPANNING IN MID-AIR OR NO MORE THAN 30 INCHES WITHOUT SOME SUPPORT OF SOME MEANS. AGAIN **NO SNAP-IN'S** ARE ALLOWED PAST THE WAVEGUIDE LADDER, ANY FOUND THE CONTRACTOR'S WILL BE REQUIRED TO REPLACE THEM AT HIS OWN EXPENSE TO REPLACE THE SNAP-INS WITH SHENANDOAH CABLE TELEVISION, LLC'S PROVIDED HARDWARE. ON MONOPOLE APPLICATION THE HFC IS NOT TO BE INSTALLED ON THE PLATFORM BUT IS TO RUN UNDERNEATH THE PLATFORM SO AS TO AVOID BEING STEPPED ON OR CREATE A TRIPPING HAZARD.

18. GROUND THE HFC AT THE BASE OF THE TOWER BEFORE THE TRANSITION TO THE ICE BRIDGE AND DO NOT INSTALL THE GROUNDS IN THE BEND OF THE HFC. SHENANDOAH CABLE TELEVISION, LLC'S PROVIDED BUS BARS ARE GIVEN OUT WITH EACH SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THEY ARE INSTALLED WHERE THEY ARE CALLED FOR IN THE PLANS.

19. WHEN INSTALLING FLEX CABLES INTO THE PRE-MOUNTED DISTRIBUTION CABINET, PLEASE USE THE FOLLOWING HOLES FROM RIGHT TO LEFT:

    a. 1ST HOLE ON RIGHT IS FOR POWER WIRES FROM BTS TO POWER UP THE DISTRIBUTION BOX.
    b. 2ND HOLE FROM RIGHT IS USED FOR THE ALPHA HYBRID-FLEX.
    c. 3RD HOLE FROM RIGHT IS BETA HYBRID-FLEX.
    d. 4TH HOLE FROM RIGHT IS GAMMA HYBRID-FLEX.
    e. 5TH HOLE IS USED FOR THE FIBER COMING FROM THE BTS AND WILL GO TO THE BLOCKS ON THE TOP LEFT OF THE DISTRIBUTION CABINET.

20. WHEN ROUTING THE HYBRID-FLEX POWER FROM THE TOP OF THE TOWER, THE CONTRACTOR MUST ALLOW ENOUGH SLACK FOR THE CABLE TO ENTER THE DESIGNATED SECTOR PORT AT THE BOTTOM OF THE DISTRIBUTION BOX TO THE TOP OF THE BOX AND THEN BACK DOWN TO THE BOTTOM OF THE DISTRIBUTION BOX AND CUT THE REMAINING SLACK OFF. THE FIBER IS TO BE ROUTED TO THE DESIGNATED LOCATION INSIDE THE BOX WITH THE THREE FIBER POINTS AVAILABLE FOR STORAGE. THE STORAGE POINT ON THE RIGHT INSIDE THE BOX IS FOR ALPHA FIBER (RED), THE REAR STORAGE POINT IS FOR BETA (BLUE), AND THE LEFT SIDE STORAGE POINT IS FOR THE GAMMA FIBER (YELLOW)

21. ONCE CONTRACTOR HAS WRAPPED UP INSTALL AND ALL FIBER AND POWER CABLE ARE USED, THE REMAINING CABLES SHALL BE CAPPED OFF AND TAPED UP TO AVOID A DIRECT SHORT OR ELECTRICAL SHOCK ONCE BTS IS POWERED UP.

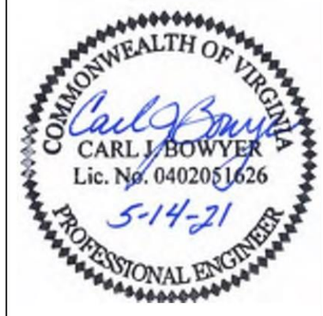
22. THE CONTRACTOR SHALL PREPARE A SIGNED REPORT VERIFYING THE INSTALLATION OF ALL EQUIPMENT AND SUBMIT THE REPORT WITH FIVE (5) BUSINESS DAYS. THE REPORT INCLUDE PHOTOS PROPERLY DOCUMENTED FORMS OF THE INSTALLED ITEMS PER SHENANDOAH CABLE TELEVISION, LLC'S REPORTING REQUIREMENTS AND SHALL INCLUDE THE FOLLOWING:

    a. SITE NAME AND SITE ID AND TOWER OWNER ALONG WITH TOWER OWNER SITE ID NAME AND NUMBER.
    b. THE CONTRACTOR DOING THE INSTALL, CONTRACTOR CONTACT AND DATE OF FORM BEING FILLED OUT.
    c. INCLUDE THE SECTOR, ANTENNA MANUFACTURE, MODEL NUMBER, MECHANICAL DOWN TILT, AZIMUTH, TOP OF ANTENNA AND CENTERLINE OF ANTENNA, CABLE SIZE, RET SERIAL NUMBER, AND RRH MODEL, VERIFYING THAT THEY MATCH STRUCTURAL ANALYSIS.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

CABLE INSTALLATION NOTES

SHEET D-11

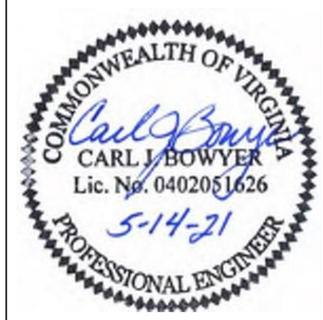
GENERAL NOTES

1. THE CONTRACTOR SHALL SECURE ALL NECESSARY PERMITS FOR THIS PROJECT FROM ALL APPLICABLE GOVERNMENT AGENCIES.
2. ANY PERMITS WHICH MUST BE OBTAINED SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND AT HIS EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL CONDITIONS AND REQUIREMENTS OF THE PERMITS.
3. CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER 24 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. LOCATION OF EXISTING SEWER, WATER OR GAS LINES, CONDUITS OR OTHER STRUCTURES ACROSS, UNDERNEATH, OR OTHERWISE ALONG THE LINE OF PROPOSED WORK ARE NOT NECESSARILY SHOWN ON THE PLANS, AND IF SHOWN, ARE ONLY APPROXIMATELY CORRECT. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES (INCLUDING TEST PITS BY HAND IF NECESSARY) IN AREAS OF CONSTRUCTION PRIOR TO STARTING WORK. CONTACT THE OWNER'S ENGINEER IMMEDIATELY IF LOCATION OR ELEVATION IS DIFFERENT FROM THAT SHOWN ON PLANS. IF THERE APPEARS TO BE A CONFLICT, OR UPON THE DISCOVERY OF ANY UTILITY NOT SHOWN ON THE PLANS, CALL "MISS UTILITY" FOR ASSISTANCE.
5. EXISTING PAVEMENT AND OTHER SURFACES DISTURBED BY THE CONTRACTOR (WHICH ARE NOT TO BE REMOVED) SHALL BE REPAIRED OR REPLACED IN-KIND.
6. THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL DITCHES, PIPES, AND OTHER DRAINAGE STRUCTURES FREE FROM OBSTRUCTION UNTIL WORK IS ACCEPTED BY THE OWNER, THE CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO FAILURE TO MAINTAIN DRAINAGE STRUCTURES IN OPERABLE CONDITION.
7. THE CONTRACTOR SHALL COORDINATE THE REQUIREMENTS FOR AND LIMITS OF OVERHEAD AND/OR UNDERGROUND ELECTRICAL SERVICE WITH SHENANDOAH CABLE TELEVISION, LLC.
8. ALL MATERIALS AND WORKMANSHIP SHALL BE WARRANTED FOR ONE (1) FULL YEAR FROM THE DATE OF ACCEPTANCE.
9. THE OWNER SHALL HAVE A SET OF APPROVED PLANS AVAILABLE AT THE SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. A DESIGNATED RESPONSIBLE CHARGED EMPLOYEE SHALL BE AVAILABLE FOR CONTACT BY COUNTY INSPECTORS.
10. ALL WORK PRESENTED ON THESE DRAWINGS MUST BE COMPLETED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. THE CONTRACTOR MUST HAVE CONSIDERABLE EXPERIENCE IN THE PERFORMANCE OF WORK SIMILAR TO THAT DESCRIBED HEREIN. BY ACCEPTANCE OF THIS ASSIGNMENT, THE CONTRACTOR IS ATTESTING THAT HE DOES HAVE SUFFICIENT EXPERIENCE AND ABILITY, THAT HE IS KNOWLEDGEABLE OF THE WORK TO BE PERFORMED AND THAT HE IS PROPERLY LICENSED AND PROPERLY REGISTERED TO DO THIS WORK IN THE STATE IN WHICH THE WORK IS TO BE PERFORMED. UNLESS SHOWN OR NOTED OTHERWISE ON THE CONTRACT DRAWINGS OR IN THE SPECIFICATIONS, THE FOLLOWING NOTES SHALL APPLY TO THE MATERIALS LISTED HEREIN, AND TO THE PROCEDURES TO BE USED ON THIS PROJECT.
11. ALL MANUFACTURER'S HARDWARE ASSEMBLY INSTRUCTIONS SHALL BE FOLLOWED EXACTLY AND SHALL SUPERCEDE ANY CONFLICTING NOTES ENCLOSED HEREIN.
12. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND ANY FIELD MODIFICATIONS THERETO, TO INSURE THE SAFETY OF THE STRUCTURE'S COMPONENT PARTS, AND EMPLOYEES DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER THE COMPLETION OF THE PROJECT.
13. THE MEASUREMENTS SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND ARE ACCURATE ONLY TO THE MEANS BY WHICH THEY WERE OBTAINED: SOME FROM SURVEY DATA, HAND MEASUREMENTS OR OTHER RELATIVE SKETCHES/DRAWINGS. ALL MEASUREMENTS SHALL BE VERIFIED BY THE CONTRACTOR AND MINOR ADJUSTMENTS MADE TO FACILITATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT. ANY MAJOR DISCREPANCIES SHALL BE PRESENTED TO SHENANDOAH CABLE TELEVISION, LLC PRIOR TO THE BEGINNING OF ORDERING ANY MATERIALS, FABRICATION OR CONSTRUCTION WORK PERFORMED ON THIS PROJECT. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND THE OWNER'S ENGINEER. THE DISCREPANCIES MUST BE RESOLVED BEFORE THE CONTRACTOR IS TO PROCEED WITH THE WORK. THE CONTRACT DOCUMENTS DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE OWNER AND/OR THE OWNER'S ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES.
14. ALL MATERIALS AND EQUIPMENT FURNISHED SHALL BE NEW AND OF GOOD WORKING QUALITY, FREE FROM FAULTS AND DEFECTS AND IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. ANY AND ALL SUBSTITUTIONS MUST BE PROPERLY APPROVED AND AUTHORIZED IN WRITING BY THE OWNER AND THE OWNER'S ENGINEER PRIOR TO INSTALLATION. THE CONTRACTOR SHALL FURNISH SATISFACTORY EVIDENCE AS TO THE KIND AND QUALITY OF THE MATERIALS AND EQUIPMENT BEING SUBSTITUTED.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT THIS PROJECT AND RELATED WORK COMPLIES WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY CODES AND REGULATIONS GOVERNING THIS WORK.
16. ACCESS TO THE PROPOSED WORK SITE MAY BE RESTRICTED. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES, INCLUDING WORK SCHEDULE AND MATERIALS ACCESS, WITH THE RESIDENT LEASING AGENT FOR APPROVAL.
17. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE 2015 VIRGINIA UNIFORM BUILDING CODE (USBC) TO WHICH THE 2015 INTERNATIONAL BUILDING CODE (IBC) PUBLISHED BY THE INTERNATIONAL CODE COUNCIL (ICC) IS INCORPORATED BY REFERENCE, WHICH REFERENCES THE FOLLOWING MAJOR CODES:
    - 2015 International Plumbing Code (IPC)
    - 2015 International Mechanical Code (IMC)
    - 2015 NFPA 70
    - 2015 International Fuel Code (IFGC)
    - 2015 International Energy Conservation Code (IECC)
    - 2014 National Electrical Code (NEC)
18. ANY DAMAGE TO ADJACENT PROPERTIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
19. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS PRIOR TO CONSTRUCTION.
20. THE ELECTRICAL AND RF STANDARDS AND SPECIFICATIONS SHOWN ON THESE PLANS HAVE BEEN PROVIDED BY THE CLIENT. MEAD & HUNT, INC. HAS NOT DESIGNED NOR PREPARED ANY OF THE ELECTRICAL AND RF STANDARDS AND SPECIFICATIONS. THEY HAVE BEEN PROVIDED FOR INFORMATION ONLY.
21. RECORD DRAWINGS: MAINTAIN A RECORD OF ALL CHANGES, SUBSTITUTIONS BETWEEN WORK AS SPECIFIED AND INSTALLED. RECORD CHANGES ON A CLEAN SET OF CONTRACT DRAWINGS WHICH SHALL BE TURNED OVER TO THE CONSTRUCTION MANAGER UPON COMPLETION OF THE PROJECT.
22. COORDINATE THE CONSTRUCTION STAGING AREA WITH THE PROPERTY OWNER AND THE PROPERTY MANAGER WELL IN ADVANCE OF THE CONSTRUCTION START DATE.
23. THE CONTRACTOR IS TO FIELD VERIFY ALL EXISTING CONDITIONS AND PLAN DIMENSIONS, AND NOTIFY THE ARCHITECT AND ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
24. THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE WORK SITE ON A DAILY BASIS.

SHENTEL
Always connected to you
500 SHENTEL WAY
EDINBURG, VA 22824

SITE NAME:	PATTERSON MILL
SITE NUMBER:	50064
SITE ADDRESS:	TBD PATTERSON MILL LN CROZET, VA 22932
AREA:	LEASE AREA = 900 SQ. FT.
PROPERTY OWNER:	PATRICIA W. PATTERSON 191 PATTERSON MILL LN CROZET, VA 22932
COUNTY:	ALBEMARLE
LATITUDE:	N38° 02' 22.61" (38.039614°)
LONGITUDE:	W78° 42' 55.66" (-78.715461°)

NO.	REVISION/ISSUE	DATE
1	ISSUE FOR COMMENT	04/07/21
2	REISSUE FOR COMMENT	04/19/21
3	FINAL	04/2121
4	REVISED FINAL	05/14/21



Mead & Hunt
400 TRACY WAY, SUITE 200
CHARLESTON, WV 25311
(304) 345-6712 PHONE
(304) 345-6714 FAX

PROJECT # R4461000-210677.01

GENERAL NOTES

SHEET D-12