



WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

SITE NAME: WILD TURKEY

WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

SITE INFORMATION

PROJECT DESCRIPTION:	RAWLAND: PROPOSED INSTALLATION OF TELECOMMUNICATIONS TOWER AND RELATED EQUIPMENT WITHIN SECURED COMPOUND.
SITE ADDRESS:	WILD TURKEY LANE CHARLOTTESVILLE, VA 22903
LATITUDE (NAD 83): LONGITUDE (NAD 83):	38° 3' 14.0503" -78° 39' 53.7307"
GROUND ELEVATION:	667.3' ± (ASML)
JURISDICTION:	ALBEMARLE COUNTY
ZONING:	RA - RURAL AREA
PARCEL ID #:	05700-00-00-041L0
PARCEL AREA:	6.0 ± ACRES
PARCEL OWNER:	ROBERT L & JEANNE K CROSS TRUSTEES OF THE CROSS LIVING TRUST 635 BOONE TRAIL CHARLOTTESVILLE, VA 22903
TOWER OWNER:	VERIZON 1831 RADY COURT RICHMOND, VA 23222
STRUCTURE TYPE:	MONOPOLE
HEIGHT OF STRUCTURE:	116.7'± AGL
RAD CENTER:	112.7'± AGL
OVERALL HEIGHT OF STRUCTURE:	118.7'± AGL
TOTAL LEASE AREA:	900 SQ. FT.
AREA OF DISTURBANCE:	3,335 ± SQ. FT.
POWER PROVIDER:	DOMINION VA POWER (866)366-4357
TELCO PROVIDER:	VERIZON (800)871-9244
Z-1 TOPOGRAPHY:	ALBEMARLE COUNTY GIS 2018, 4' CONTOURS
ES-1 TOPOGRAPHY:	CAUSEWAY CONSULTANT'S SURVEY DATED 09/30/19

EMERGENCY INFORMATION:

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

PROJECT TEAM

CONSTRUCTION MANAGER:	NETWORK BUILDING & CONSULTING JOHN KIRBY (540) 280-9630
PROJECT MANAGEMENT FIRM:	GDN SITES NATE HOLLAND (757) 305-8420
ENGINEERING FIRM:	NB+C ENGINEERING SERVICES, LLC. 4435 WATERFRONT DRIVE SUITE 100 GLEN ALLEN, VA 23060 (804) 548-4079

VICINITY MAP



DIRECTIONS

DEPART GOODES BRIDGE RD TOWARD WALMSLEY BLVD. TURN RIGHT ONTO WALMSLEY BLVD. TURN RIGHT ONTO TURNER RD. TURN RIGHT ONTO US-360 E / HULL ST RD. TAKE RAMP RIGHT FOR VA-150 NORTH TOWARD POWHITE PKWY. TAKE RAMP RIGHT AND FOLLOW SIGNS FOR VA-76-TOLL NORTH. ROAD RESTRICTED AT YOUR PLANNED TRAVEL TIME. KEEP LEFT TO STAY ON VA-76 N / BELTLINE EXPY. KEEP STRAIGHT ONTO I-195 N. TAKE RAMP LEFT FOR I-64 WEST TOWARD CHARLOTTESVILLE. AT EXIT 114, TAKE RAMP RIGHT TOWARD IVY. TURN RIGHT ONTO VA-637 / DICK WOODS RD. MAKE A U-TURN AT IVY DEPOT RD. TURN LEFT ONTO US-250 / IVY RD. KEEP LEFT TO STAY ON US-250. TURN LEFT ONTO WILD TURKEY LN. ARRIVE AT SITE ON THE LEFT.

CODE COMPLIANCE

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

- 2015 INTERNATIONAL BUILDING CODE
- 2014 NATIONAL ELECTRICAL CODE
- 2015 NFPA 101, LIFE SAFETY CODE
- 2015 IFC
- AMERICAN CONCRETE INSTITUTE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION
- MANUAL OF STEEL CONSTRUCTION 14TH EDITION
- ANSI/TIA-222-G
- TIA 607
- INSTITUTE FOR ELECTRICAL & ELECTRONICS ENGINEER 81
- IEEE C2 NATIONAL ELECTRIC SAFETY CODE LATEST EDITION
- TELECORDIA GR-1275
- ANSI/T 311

DRAWING INDEX

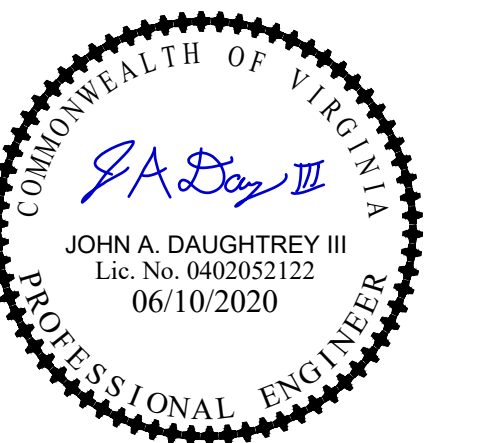
T-1	TITLE SHEET
EE-1	EASEMENT EXHIBIT
EE-2	EASEMENT EXHIBIT
Z-1	2,000 TOPO BOUNDARY
C-1	SITE PLAN
C-2	ENLARGED SITE PLAN
C-3	COMPOUND PLAN
C-4	TREE INVENTORY
C-5	TOWER ELEVATION DETAILS & NOTES
C-6	MOUNT DETAILS
S-1	EQUIPMENT MOUNTING DETAILS
S-2	CONCRETE PAD DETAILS
S-3	CONSTRUCTION DETAILS & NOTES
S-4	CONSTRUCTION DETAILS
S-5	GENERATOR DETAILS
E-1	ELECTRICAL PLAN
E-2	CONDUIT ROUTING PLAN
E-3	PANEL SCHEDULE & ONE-LINE DIAGRAM
E-4	ELECTRICAL RISER DIAGRAM & SERVICE ENTRANCE SCHEMATIC
G-1	GROUNDING PLAN AND DETAILS
G-2	GROUNDING RISER DIAGRAM & DETAILS
ES-1	EROSION AND SEDIMENT CONTROL & GRADING PLAN
ES-2	EROSION AND SEDIMENT CONTROL NOTES
ES-3	EROSION AND SEDIMENT DETAILS
ES-4	EROSION AND SEDIMENT CONTROL DETAILS I
ES-5	EROSION AND SEDIMENT CONTROL DETAILS II

DO NOT SCALE DRAWINGS

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

REVISIONS

REV	DATE	DESCRIPTION	BY
6	06/10/20	REVISED	CT
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4	03/09/20	REVISED	PJP
3	02/24/20	REVISED	PJP
2	12/04/19	REVISED	CCC
1	11/18/19	FINALS	CCC
0	10/30/19	PRELIMINARY CD	LJS



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

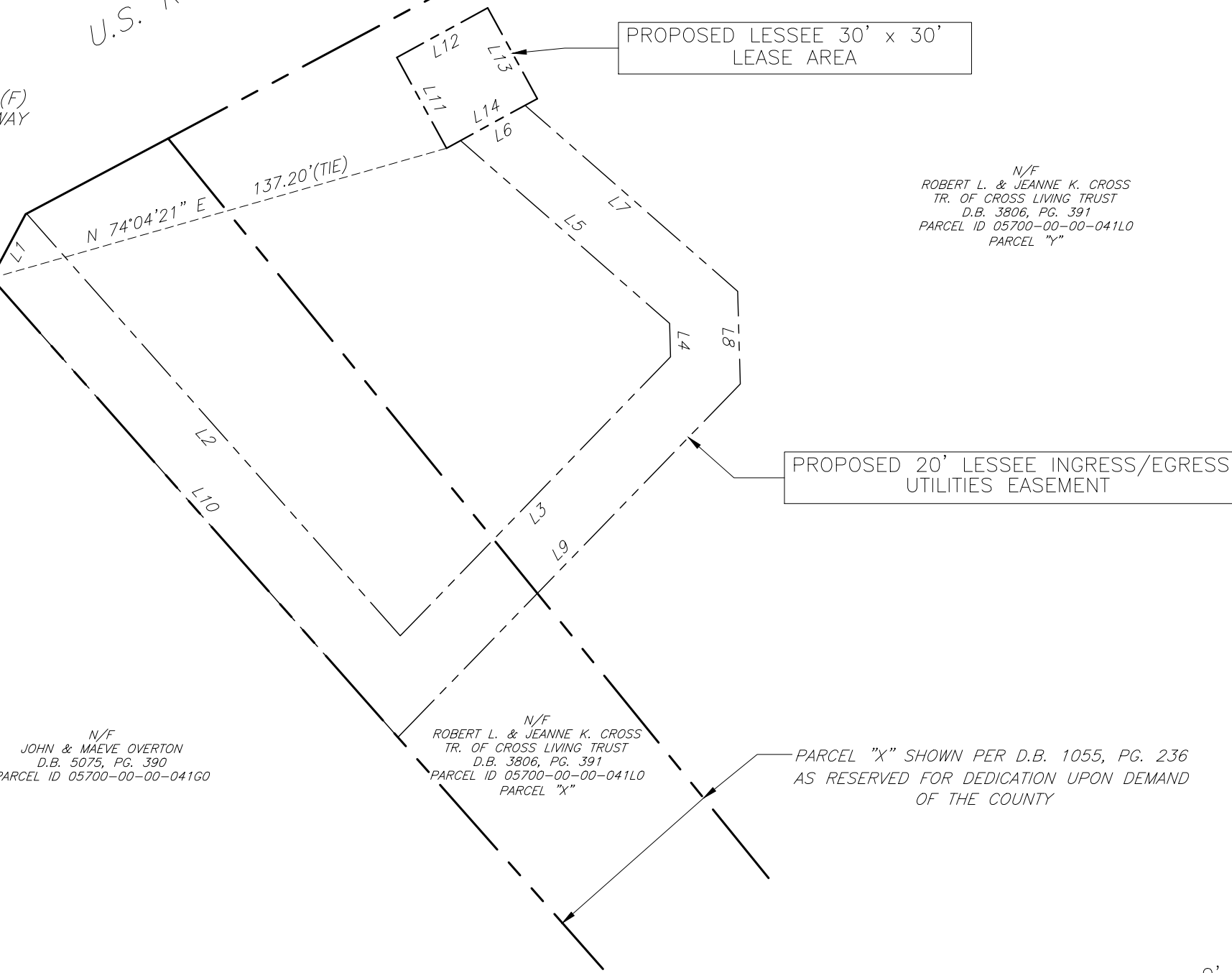
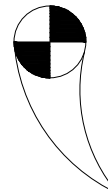
TITLE SHEET

T-1

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

U.S. ROUTE 250 ROCKFISH GAP TURNPIKE

P.O.B. MAG NAIL(F)
IN PAVED DRIVEWAY



PROPOSED LESSEE 30' x 30'
LEASE AREA

PROPOSED 20' LESSEE INGRESS/EGRESS
UTILITIES EASEMENT

N/F
ROBERT L. & JEANNE K. CROSS
TR. OF CROSS LIVING TRUST
D.B. 3806, PG. 391
PARCEL ID 05700-00-00-041L0
PARCEL "Y"

N/F
JOHN & MAEVE OVERTON
D.B. 5075, PG. 390
PARCEL ID 05700-00-00-041G0

N/F
ROBERT L. & JEANNE K. CROSS
TR. OF CROSS LIVING TRUST
D.B. 3806, PG. 391
PARCEL ID 05700-00-00-041L0
PARCEL "X"

PARCEL "X" SHOWN PER D.B. 1055, PG. 236
AS RESERVED FOR DEDICATION UPON DEMAND
OF THE COUNTY

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 28°29'07" E	21.28'
L2	S 41°31'12" E	163.48'
L3	N 44°06'05" E	112.63'
L4	N 01°36'24" W	9.71'
L5	N 48°49'45" W	80.51'
L6	N 61°21'33" E	21.31'
L7	S 48°49'45" E	81.90'
L8	S 01°36'24" E	26.88'
L9	S 44°06'05" W	142.65'
L10	N 41°31'12" W	177.79'
L11	N 28°38'27" W	30.00'
L12	N 61°21'33" E	30.00'
L13	S 28°38'27" E	30.00'
L14	S 61°21'33" W	30.00'



ENGINEER

TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804.548.4079

APPLICANT

1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

WILD TURKEY
NB+C PROJECT #100374
#426 ROCKFISH GAP
TURNPIKE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

DESIGN RECORD

REV	DATE	DESCRIPTION	BY
1	9/30/19	REV. EASE	RW
0	8/6/19	EASEMENT EXHIBIT	RW

SURVEYOR

Causeway Consultants, P.C.
Land Surveyors VA&NC
P.O. BOX 15039
CHESAPEAKE, VA. 23328
PHONE: 757-482-0474
©CAUSEWAY CONSULTANTS, P.C. 2019

SHEET TITLE

EASEMENT
EXHIBIT

SHEET NUMBER

EE-1

EXHIBIT NOTES

1. TOPOGRAPHIC SURVEY PERFORMED BY CAUSEWAY CONSULTANTS, P.C. P. O. BOX 15039. CHESAPEAKE, VIRGINIA, 23328-50394. PHONE: 757-482-0474. SURVEY DATE: JULY 15, 2019.
2. COORDINATES AND ELEVATIONS SHOWN WERE ESTABLISHED USING STATIC GPS OBSERVATIONS, POST PROCESSED THROUGH NOAA'S OPUS WEBSITE AND CONVERTED TO NAVD 88 AND NAD 83, U.S SURVEY FOOT, FOR THE VERTICAL DATUM AND HORIZONTAL COORDIANTES, RESPECTIVELY, USING U.S. ARMY CORPS OF ENGINEERS CORPSCON SOFTWARE, VERSION 6.01 AND PUBLISHED BENCHMARKS.
3. NO SUB-SURFACE INVESTIGATION WAS PERFORMED BY CAUSEWAY CONSULTANTS, P.C. THIS EXHIBIT DOES NOT GUARANTEE THE "EXISTENCE OR NONEXISTENCE" OF UNDERGROUND UTILITIES. PRIOR TO ANY CONSTRUCTION OR EXCAVATION, CONTACT MISS UTILITY AT 1-800-552-7001 TO CONFIRM THE LOCATION OR EXISTENCE OF UNDERGROUND UTILITIES.
4. THIS EXHIBIT WAS DONE WITH THE BENEFIT OF A TITLE REPORT BY US TITLE SOLUTIONS, FILE No. 63455-VA1906-5010, REF. No. 18082-2nd PARCEL, DATED JUNE 19, 2019.
5. PROPERTY IS SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.
6. THIS EXHIBIT DOES NOT REPRESENT A BOUNDARY SURVEY. THE RIGHT-OF-WAY, PROPERTY LINE AND/OR EASEMENTS SHOWN HEREON REPRESENT A COMPILATION OF RECORDED DEEDS, PLATS, G.I.S. RECORDS AND TAX MAPS.
7. THE AREA OF THE PROPOSED CELL TOWER APPEARS TO LIE WITHIN FLOOD ZONE "X", ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE COMMUNITY NUMBER 51003C-0245 D, DATED FEBRUARY 4, 2005.
8. THE EXISTENCE OF HAZARDOUS WASTE, VEGETATED WETLANDS, OR TIDAL WETLANDS, WAS NEITHER INVESTIGATED, NOR CONFIRMED DURING THE PERFORMANCE OF THIS EXHIBIT.

LEGAL DESCRIPTION PROPOSED LESSEE 30' x 30' LEASE AREA

A PROPOSED LESSEE 30' x 30' LEASE AREA ON PARCEL "Y" AS SHOWN ON THAT CERTAIN MAP RECORDED IN DEED BOOK 1055 AT PAGE 234, OF RECORD IN THE CLERK OF THE CIRCUIT COURTS OFFICE, ALBEMARLE COUNTY, VIRGINIA; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;




BEGINNING AT A MAG NAIL IN THE NORTHWESTERLY MOST CORNER OF PARCEL "X" AS SHOWN ON SAID MAP, THENCE ALONG A TIE LINE N 74°04'21" E A DISTANCE OF 137.20' TO A POINT BEING THE TRUE POINT AND PLACE OF BEGINNING;

THENCE N 28°38'27" W A DISTANCE OF 30.00' TO A POINT;
 THENCE N 61°21'33" E A DISTANCE OF 30.00' TO A POINT;
 THENCE S 28°38'27" E A DISTANCE OF 30.00' TO A POINT;
 THENCE S 61°21'33" W A DISTANCE OF 30.00' TO A POINT
 WHICH IS THE TRUE POINT AND PLACE OF BEGINNING, HAVING AN AREA OF 900 SQUARE FEET.

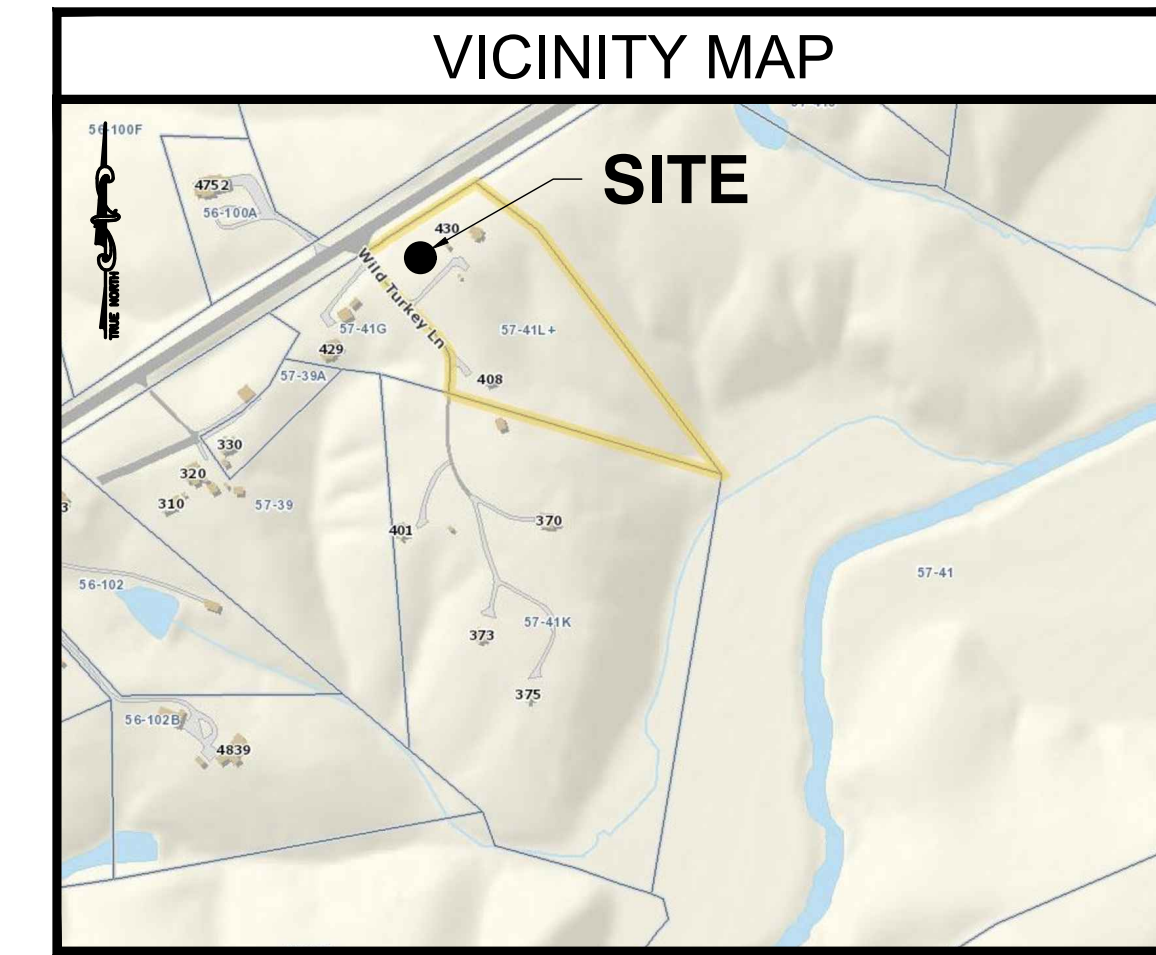
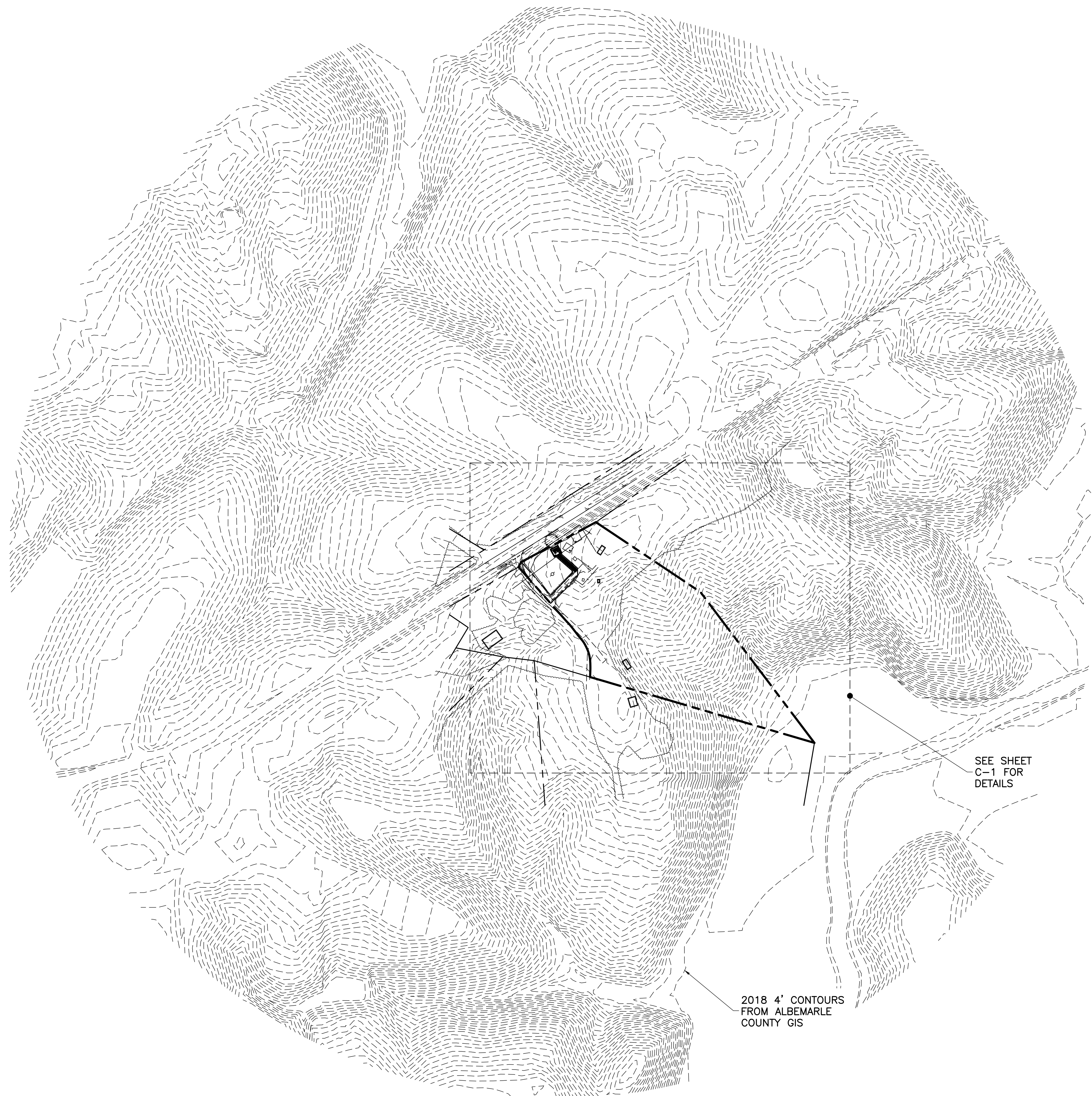
LEGAL DESCRIPTION PROPOSED LESSEE 20' INGRESS/EGRESS AND UTILITIES EASEMENT

A PROPOSED LESSEE 20' INGRESS/EGRESS AND UTILITIES EASEMENT OVER AND ACROSS PARCEL "X" AND PARCEL "Y" AS SHOWN ON THAT CERTAIN MAP RECORDED IN DEED BOOK 1055 AT PAGE 234, OF RECORD IN THE CLERK OF THE CIRCUIT COURTS OFFICE, ALBEMARLE COUNTY, VIRGINIA; BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;

BEGINNING AT A MAG NAIL IN THE NORTHWESTERLY MOST CORNER OF PARCEL "X" AS SHOWN ON SAID MAP, THENCE ALONG U.S. ROUTE 250, LOCALLY KNOWN AS ROCKFISH GAP TURNPIKE N 28°29'07" E A DISTANCE OF 21.28' TO A NAIL;
 THENCE LEAVING SAID U.S. ROUTE 250, S 41°31'12" E A DISTANCE OF 163.48' TO A POINT;
 THENCE N 44°06'05" E A DISTANCE OF 112.63' TO A POINT;
 THENCE N 01°36'24" W A DISTANCE OF 9.71' TO A POINT;
 THENCE N 48°49'45" W A DISTANCE OF 80.51' TO A POINT;
 THENCE N 61°21'33" E A DISTANCE OF 21.31' TO A POINT;
 THENCE S 48°49'45" E A DISTANCE OF 81.90' TO A POINT;
 THENCE S 01°36'24" E A DISTANCE OF 26.88' TO A POINT;
 THENCE S 44°06'05" W A DISTANCE OF 142.65' TO A POINT;
 THENCE N 41°31'12" W A DISTANCE OF 177.79' TO A POINT WHICH IS THE POINT OF BEGINNING, HAVING AN AREA OF 7,955 SQUARE FEET OR 0.183 ACRES.

ENGINEER																	
APPLICANT																	
SITE INFORMATION	WILD TURKEY NB+C PROJECT #100374 #426 ROCKFISH GAP TURNPIKE CHARLOTTESVILLE, VA 22903 ALBEMARLE COUNTY																
DESIGN RECORD	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align:center;">REVISIONS</th> </tr> <tr> <th style="width:5%;">REV</th> <th style="width:15%;">DATE</th> <th style="width:60%;">DESCRIPTION</th> <th style="width:10%;">BY</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9/30/19</td> <td>REV. EASE</td> <td>RW</td> </tr> <tr> <td>0</td> <td>8/6/19</td> <td>EASEMENT EXHIBIT</td> <td>RW</td> </tr> </tbody> </table>	REVISIONS				REV	DATE	DESCRIPTION	BY	1	9/30/19	REV. EASE	RW	0	8/6/19	EASEMENT EXHIBIT	RW
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SURVEYOR																	
SHEET TITLE	EASEMENT EXHIBIT																
SHEET NUMBER	EE-2																


 Causeway Consultants, P.C.
 Land Surveyors VA&NC
 P.O. BOX 15039
 CHESAPEAKE, VA. 23328
 PHONE: 757-482-0474
 ©CAUSEWAY CONSULTANTS, P.C. 2019

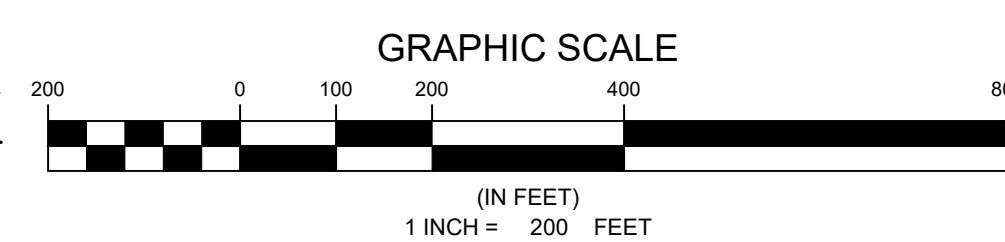


GENERAL NOTES

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

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

1 2,000' TOPO BOUNDARY
Z-1 SCALE: 1"=200'



ENGINEER



NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT



1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

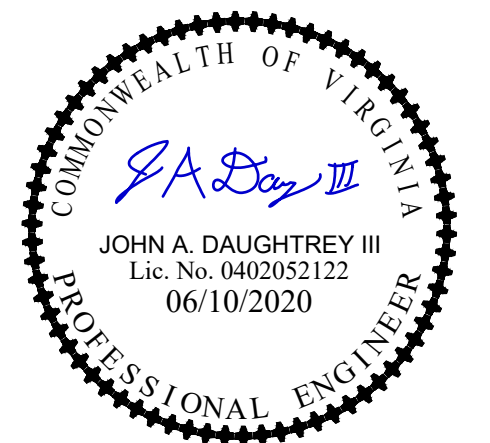
WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

DESIGN RECORD

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PROFESSIONAL STAMP



ENGINEER

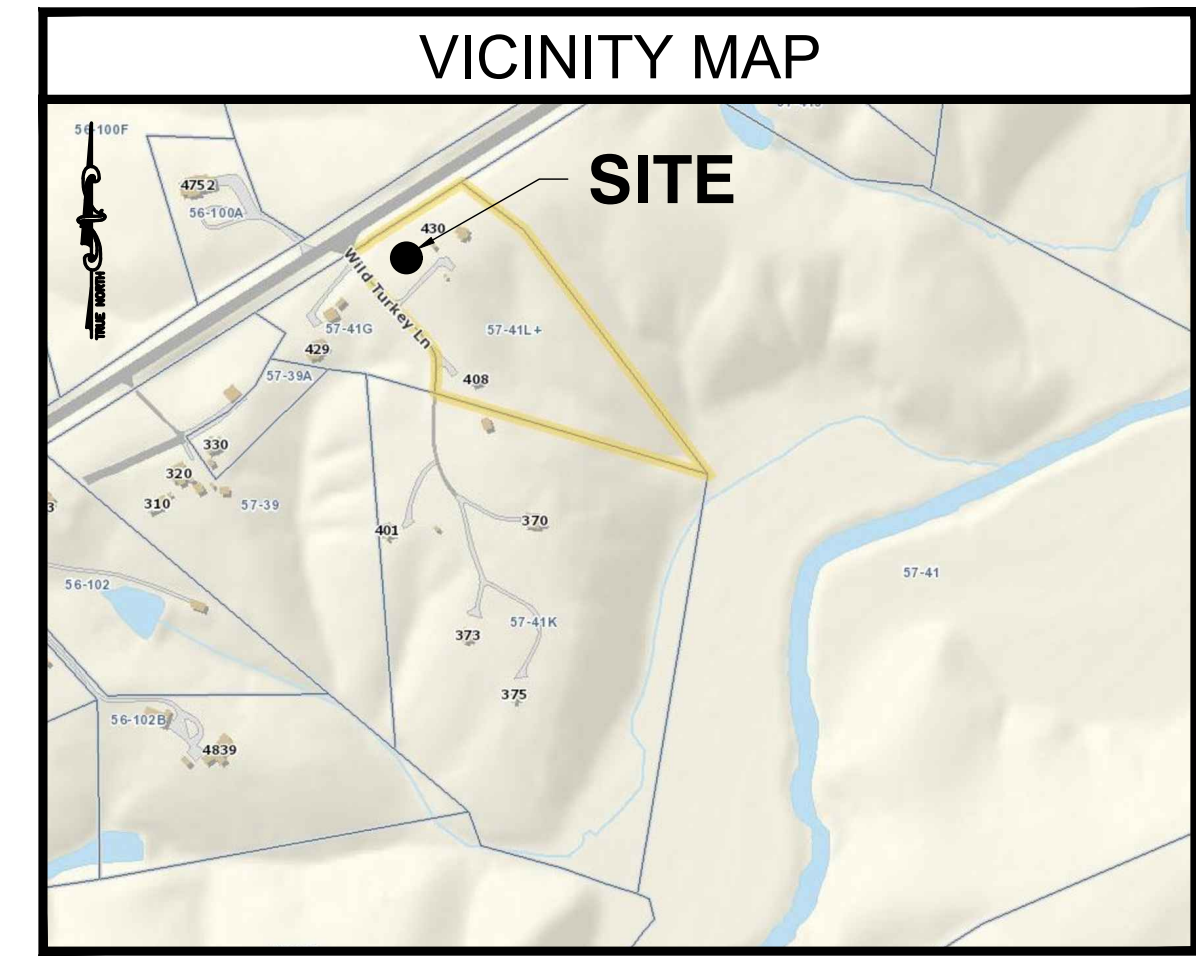
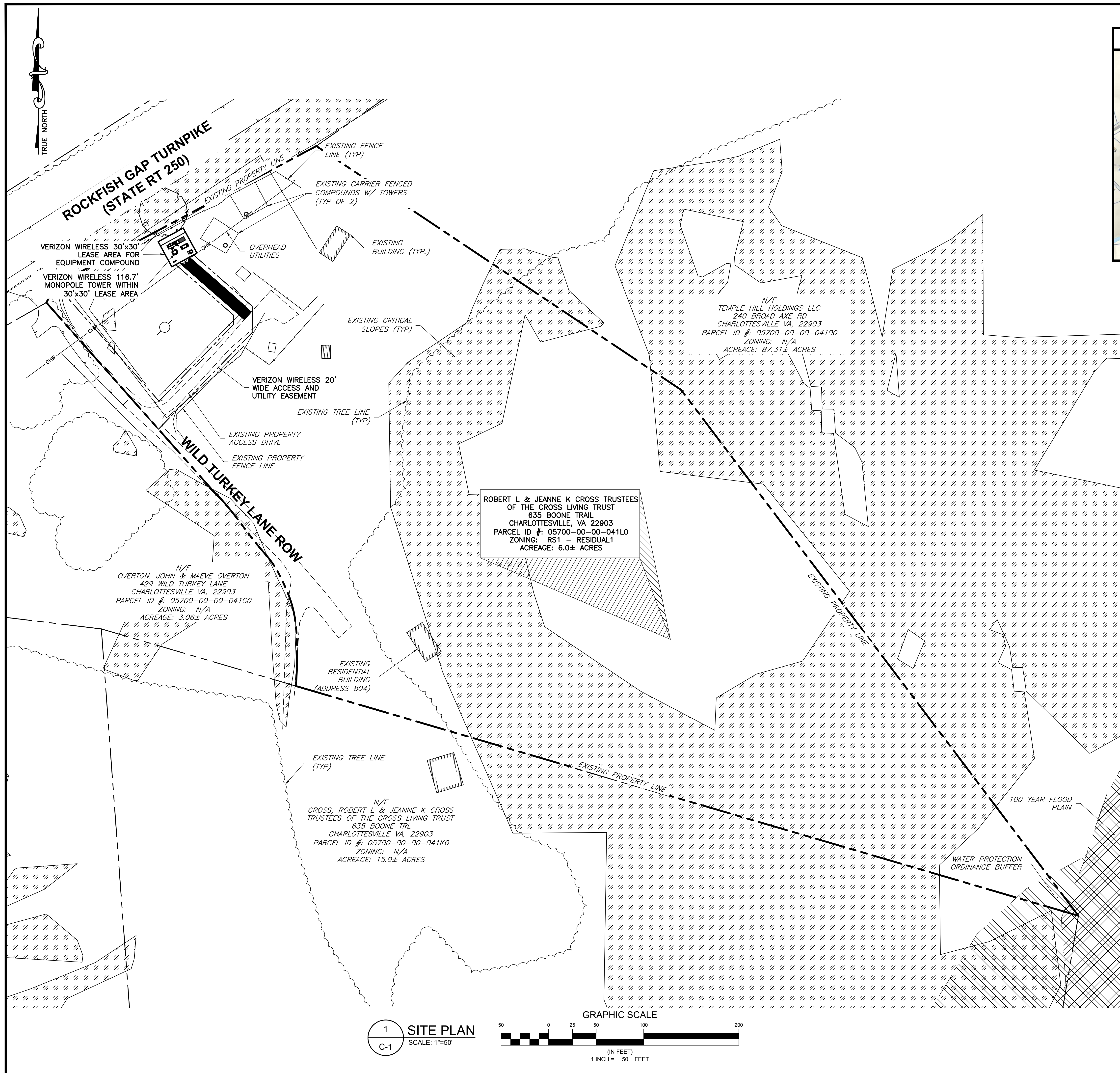
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

2,000 TOPO
BOUNDARY

SHEET NUMBER

Z-1



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4. THE FACILITY IS UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
5. BUILDING AND ELECTRICAL PERMITS ARE REQUIRED FOR THE TOWER, ANY STRUCTURE GREATER THAN 150 SQ. FT. HOUSING EQUIPMENT AND ELECTRICAL SERVICE.

LEGEND

	PROPERTY LINE - SUBJECT PARCEL
	PROPERTY LINE - ABUTERS
	EXISTING ROAD
	EXISTING FENCE
	PROPOSED EASEMENT
	PROPOSED LEASE AREA
	EXISTING EASEMENT
	PROPOSED FENCE
	EXISTING BUILDING
	CRITICAL SLOPES
	100 YEAR FLOOD PLAIN
	WATER PROTECTION ORDINANCE BUFFER

ZONING INFORMATION

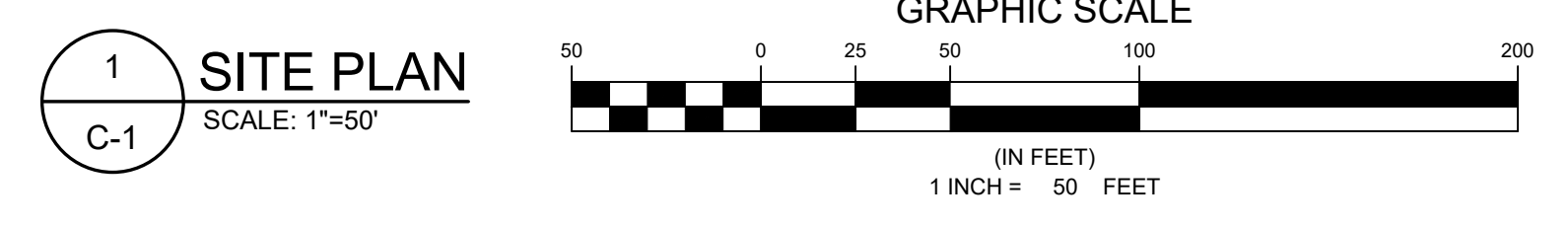
JURISDICTION: ALBEMARLE COUNTY

ZONING: RA (RURAL AREA)

DIMENSION	REQUIREMENT	PROPOSED ±
FRONT YARD SETBACK:	75'	136'-0"
SIDE YARD SETBACK:	25'	28'-5"
REAR YARD SETBACK:	35'	186'-1"

LOT AREA: 6.0 ± ACRES

(ALL MEASUREMENTS ARE IN FEET ± UNLESS OTHERWISE NOTED)



ENGINEER

NB+C
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT

verizon

1831 RADY COURT
RICHMOND, VA 23222

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PROFESSIONAL STAMP

JOHN A. DAUGHTREY III
Lic. No. 0402052122
06/10/2020
PROFESSIONAL ENGINEER

ENGINEER

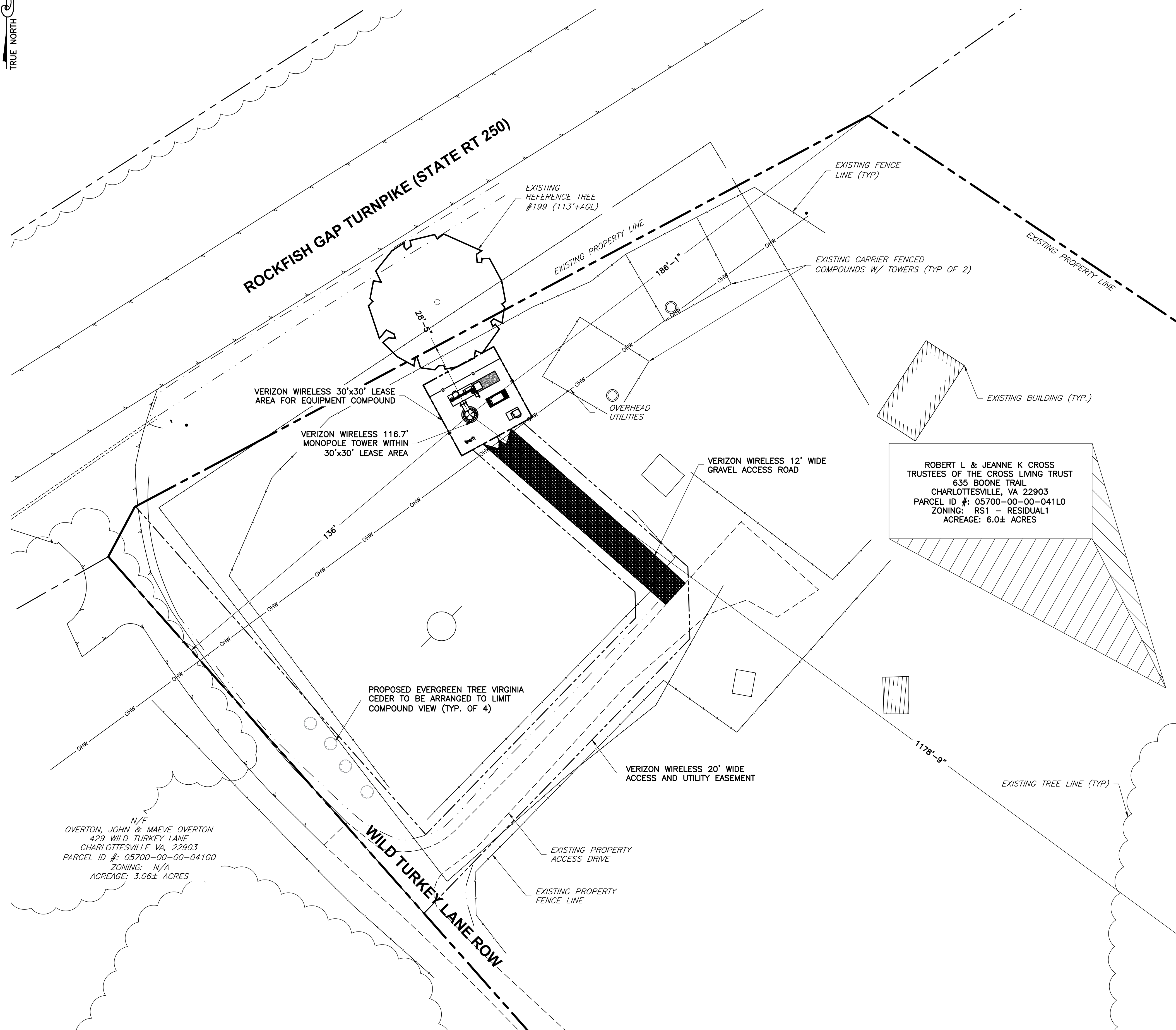
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

SITE PLAN

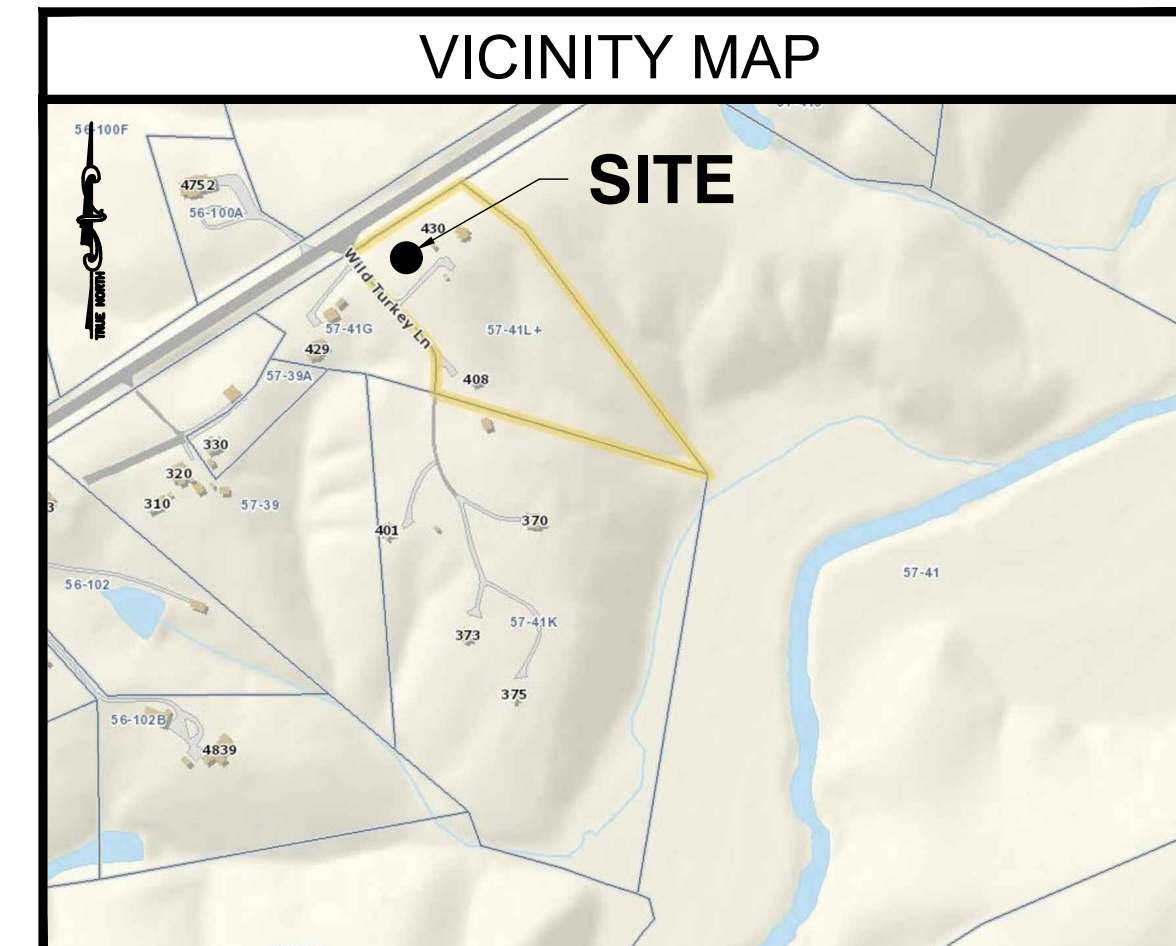
SHEET NUMBER

C-1



N/F
OVERTON, JOHN & MAEVE OVERTON
429 WILD TURKEY LANE
CHARLOTTESVILLE, VA, 22903
PARCEL ID #: 05700-00-00-041G0
ZONING: N/A
ACREAGE: 3.06± ACRES

ROBERT L & JEANNE K CROSS
TRUSTEES OF THE CROSS LIVING TRUST
635 BOONE TRAIL
CHARLOTTESVILLE, VA 22903
PARCEL ID #: 05700-00-00-041L0
ZONING: RS1 - RESIDUAL1
ACREAGE: 6.0± ACRES

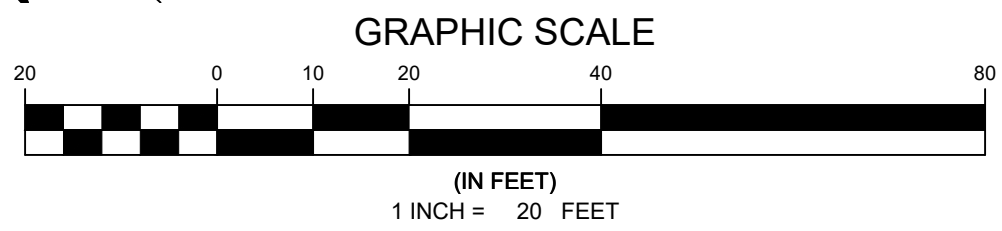


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LEGEND	
	PROPERTY LINE - SUBJECT PARCEL
	PROPERTY LINE - ABUTTERS
	EXISTING ROAD
	EXISTING FENCE
	PROPOSED EASEMENT
	PROPOSED LEASE AREA
	EXISTING EASEMENT
	PROPOSED FENCE
	EXISTING BUILDING

1 ENLARGED SITE PLAN
SCALE: 1"=20'



ENGINEER

NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT

1831 RADY COURT
RICHMOND, VA 23222

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ENGINEER

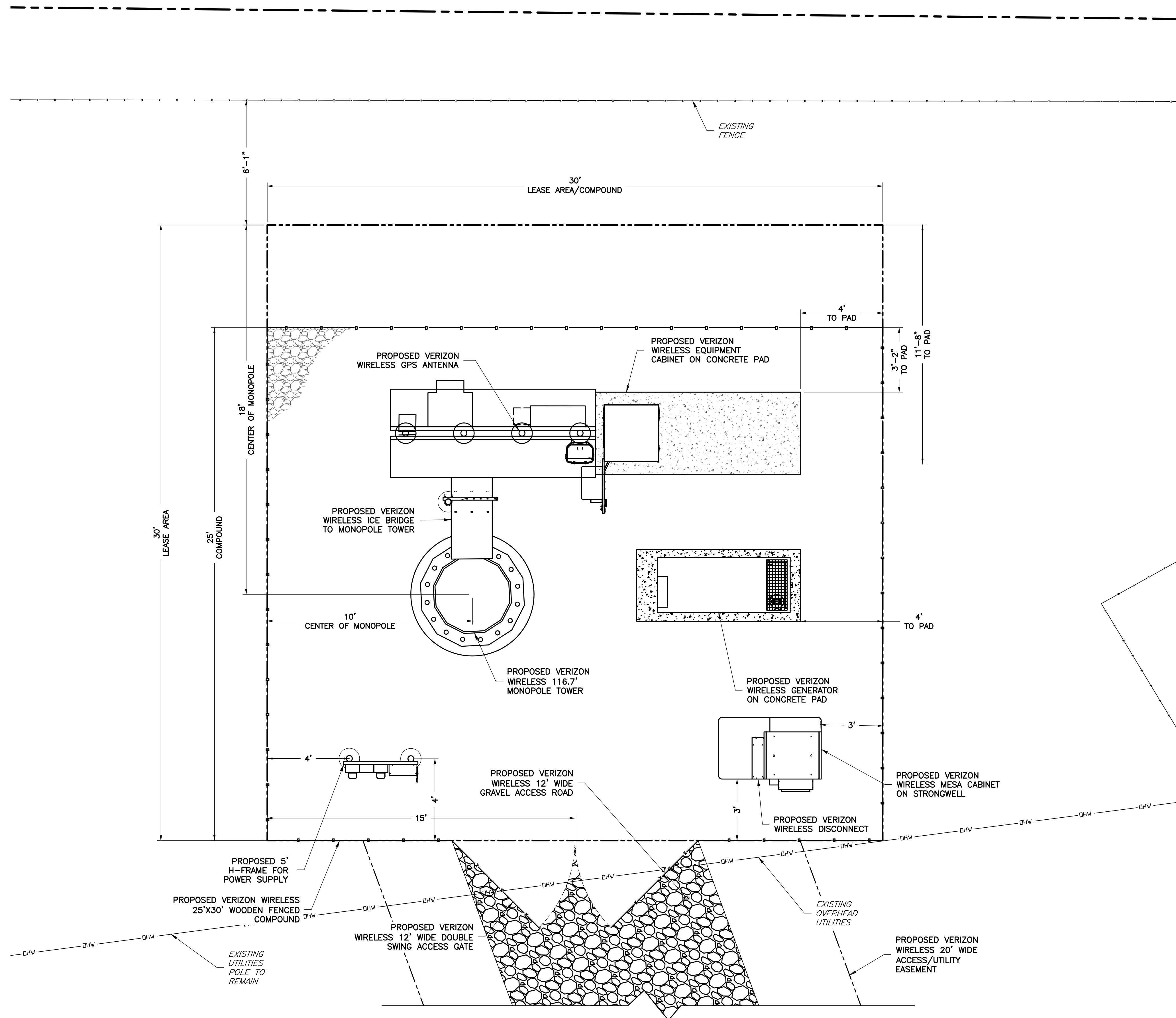
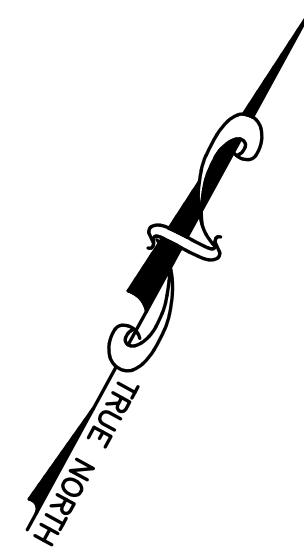
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VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

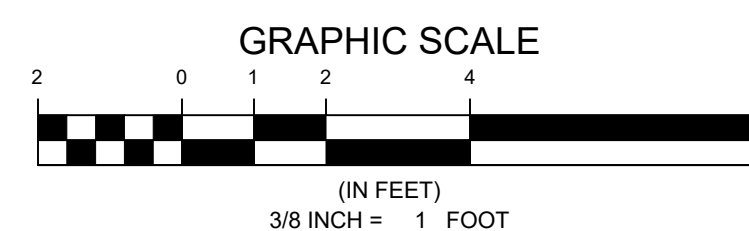
ENLARGED
SITE PLAN

SHEET NUMBER

C-2



1 COMPOUND PLAN
SCALE: 3/8" = 1'-0"



ENGINEER



NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT



1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

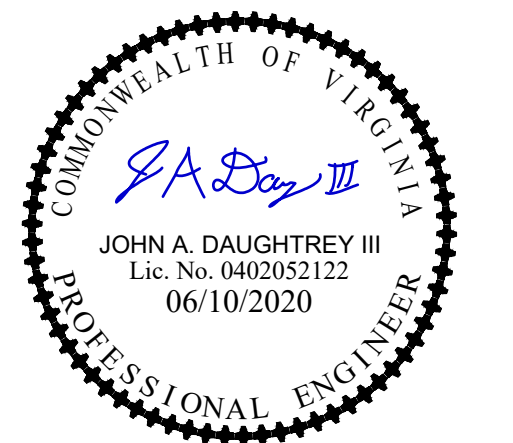
WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

DESIGN RECORD

REVISIONS

REV	DATE	DESCRIPTION	BY
6	06/10/20	REVISED	CT
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0	10/30/19	PRELIMINARY CD	LJS

PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

COMPOUND PLAN

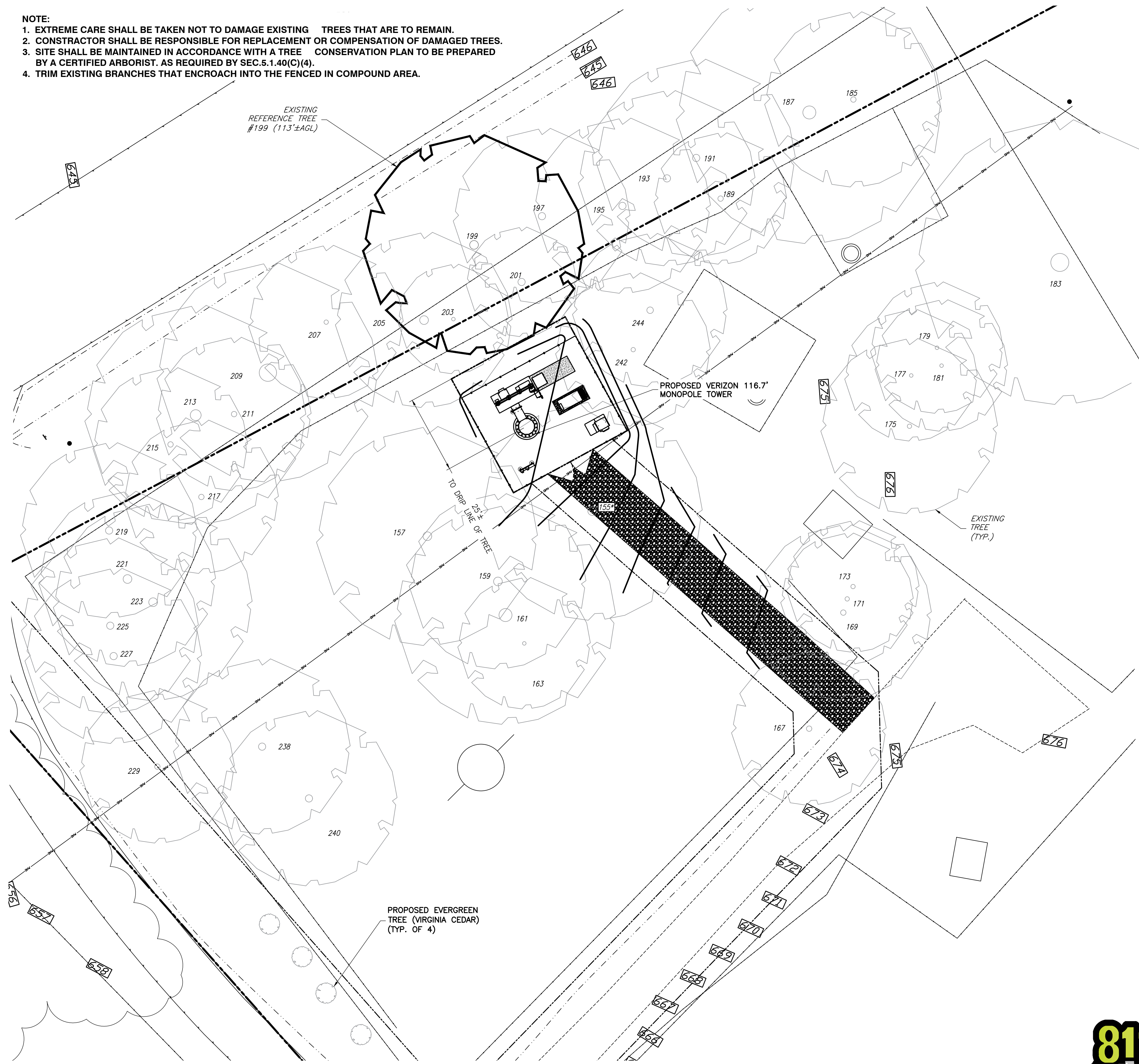
SHEET NUMBER

C-3



Know what's below.
Call before you dig.

- NOTE:
1. EXTREME CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING TREES THAT ARE TO REMAIN.
 2. CONSTRUCTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OR COMPENSATION OF DAMAGED TREES.
 3. SITE SHALL BE MAINTAINED IN ACCORDANCE WITH A TREE CONSERVATION PLAN TO BE PREPARED BY A CERTIFIED ARBORIST, AS REQUIRED BY SEC.5.1.40(C)(4).
 4. TRIM EXISTING BRANCHES THAT ENCROACH INTO THE FENCED IN COMPOUND AREA.

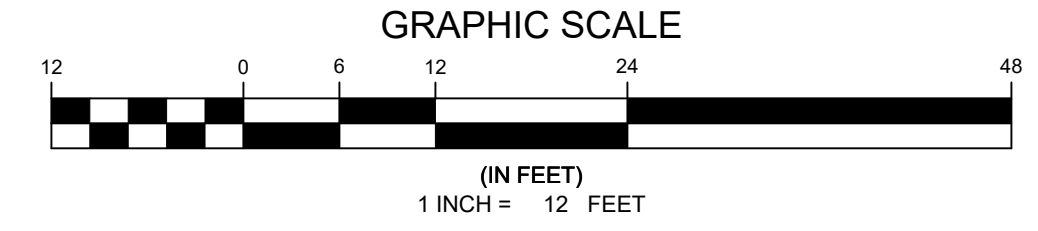


TREE INVENTORY				
NUMBER	SPECIES	CALIPER	AGL HEIGHT	CANOPY HEIGHT
(155*)	OAK	24"	86'	756' AMSL
(157)	OAK	24"	97'	762' AMSL
(159)	LOCUST	24"	81'	749' AMSL
(161)	LOCUST	36"	76'	744' AMSL
(163)	CEDAR	10"	43'	711' AMSL
(167)	PINE	15"	47'	721' AMSL
(169)	OAK	15"	64'	740' AMSL
(171)	OAK	12"	62'	742' AMSL
(173)	OAK	12"	65'	741' AMSL
(175)	LOCUST	12"	73'	750' AMSL
(177)	LOCUST	10"	57'	735' AMSL
(179)	LOCUST	10"	63'	740' AMSL
(181)	LOCUST	10"	60'	738' AMSL
(183)	OAK	50"	82'	762' AMSL
(185)	OAK	15"	99'	773' AMSL
(187)	OAK	36"	100'	773' AMSL
(189)	PERSIMMON	15"	90'	762' AMSL
(191)	OAK	20"	94'	764' AMSL
(193)	OAK	20"	80'	751' AMSL
(195)	OAK	20"	89'	759' AMSL
(197)	OAK	20"	113'	774' AMSL
(199)	OAK	24"	113'	774' AMSL
(201)	CEDAR	20"	41'	709' AMSL
(203)	OAK	10"	73'	738' AMSL
(205)	OAK	24"	85'	750' AMSL
(207)	OAK	12"	94'	753' AMSL
(209)	OAK	48"	106'	768' AMSL
(211)	OAK	15"	81'	742' AMSL
(213)	OAK	30"	120'	776' AMSL
(215)	OAK	15"	100'	753' AMSL
(217)	OAK	15"	85'	743' AMSL
(219)	OAK	20"	70'	721' AMSL
(221)	OAK	24"	94'	748' AMSL
(223)	OAK	24"	96'	754' AMSL
(225)	OAK	20"	74'	728' AMSL
(227)	OAK	24"	95'	751' AMSL
(229)	OAK	15"	89'	747' AMSL
(238)	OAK	20"	81'	741' AMSL
(240)	OAK	20"	86'	749' AMSL
(242)	LOCUST	12"	75'	746' AMSL
(244)	LOCUST	18"	70'	741' AMSL

*TOTAL TREES TO BE REMOVED: 1
155

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

1 TREE REMOVAL PLAN
C-4 SCALE: 1" = 12'



ENGINEER

NB+C ENGINEERING SERVICES, LLC.
 4435 WATERFRONT DRIVE, SUITE 100
 GLEN ALLEN, VA 23060
 804-548-4079

APPLICANT

1831 RADY COURT
 RICHMOND, VA 23222

SITE INFORMATION

WILD TURKEY
 WILD TURKEY LANE
 CHARLOTTESVILLE, VA 22903
 ALBEMARLE COUNTY

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PROFESSIONAL STAMP

ENGINEER

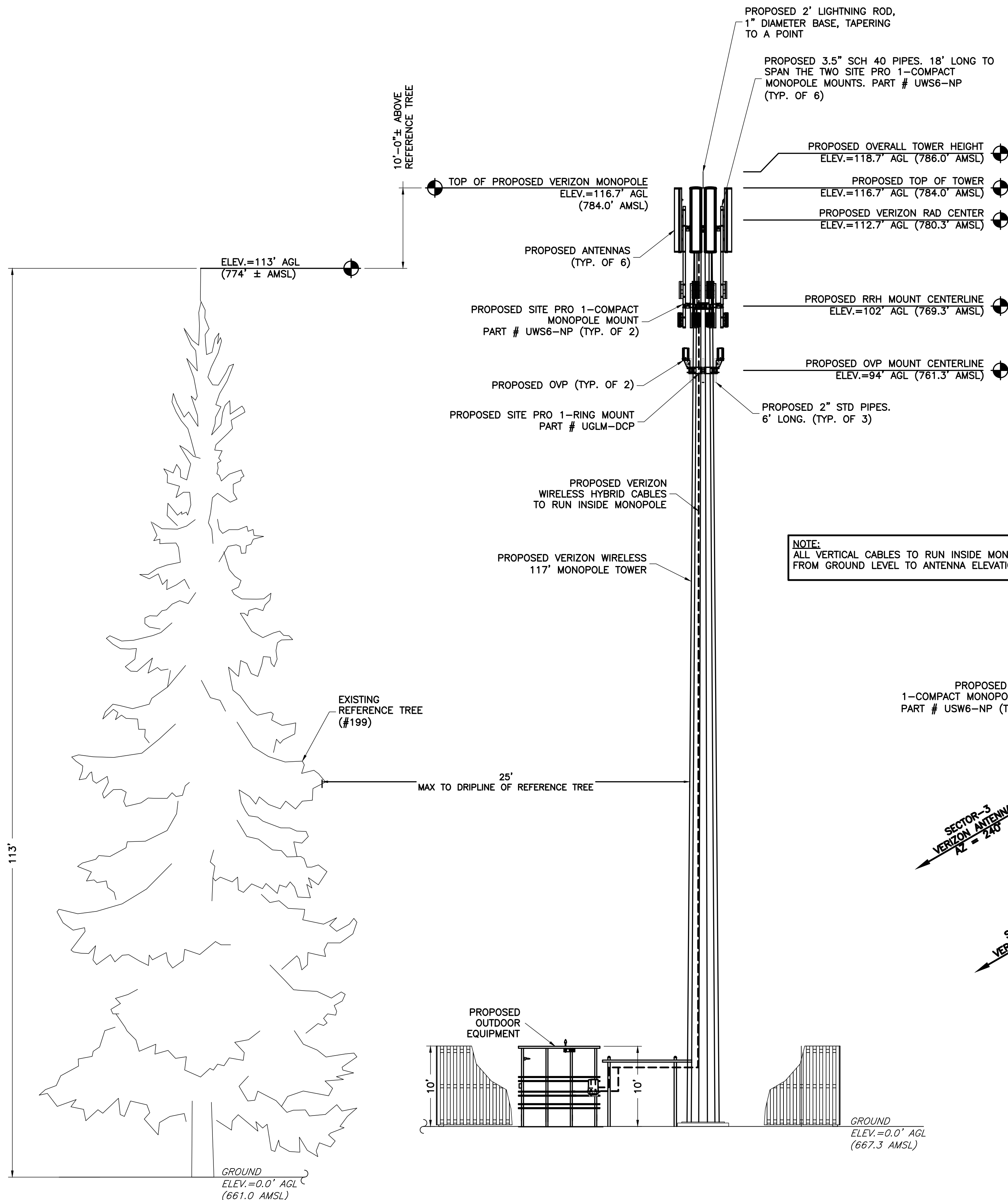
JOHN A. DAUGHTREY III, P.E.
 VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

TREE INVENTORY

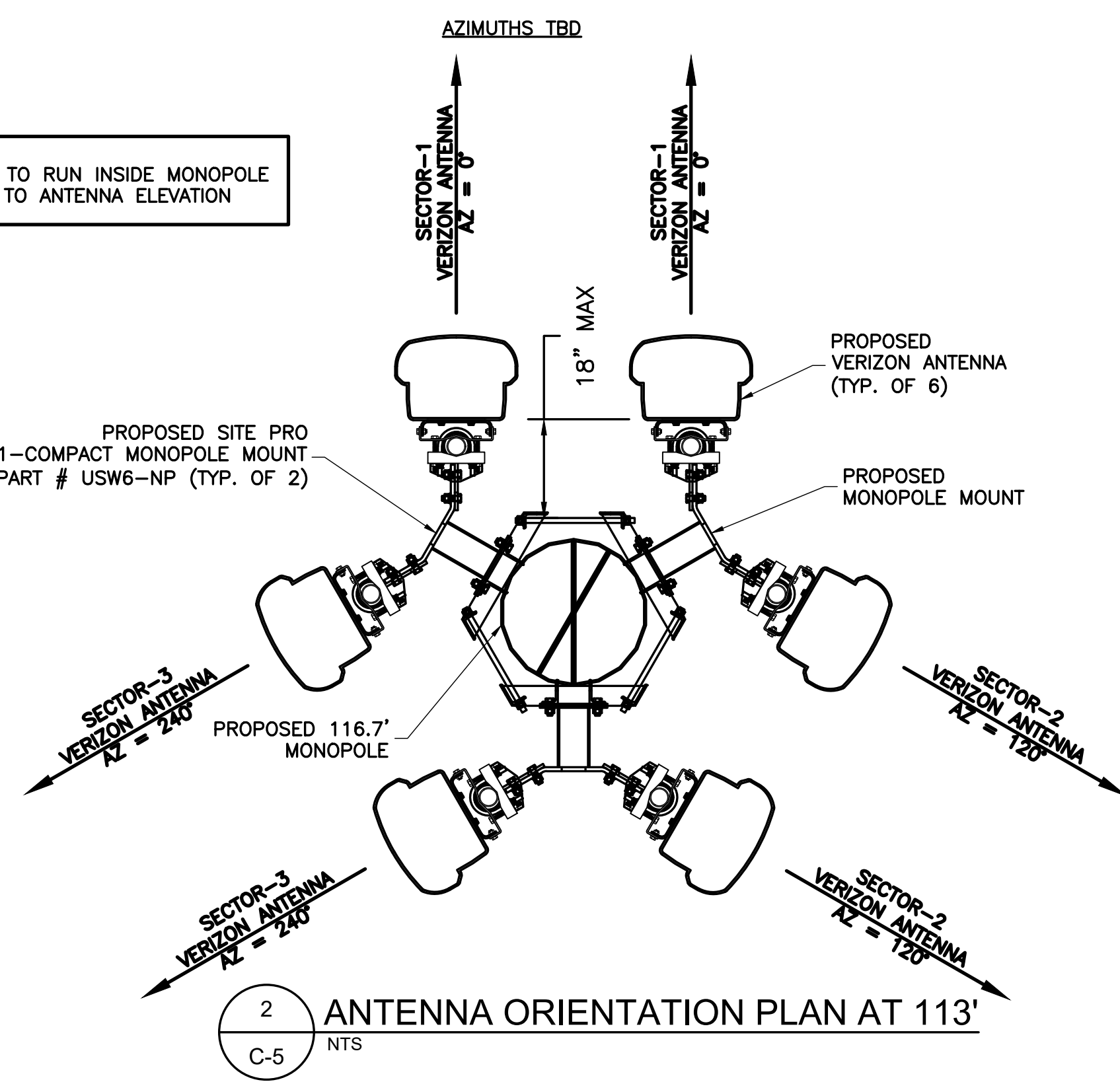
SHEET NUMBER

C-4



NOTE:
 1. THE PROPOSED ANTENNAS & RRHs WILL BE PAINTED THE COUNTY APPROVED COLOR SHERWIN WILLIAMS JAVA BROWN #6090.
 2. ANTENNAS WILL BE INSTALLED USING A MODIFIED FLUSH DESIGN WITH LOW PROFILE MOUNTING BRACKETS. NO POINT ON THE BACK OF ANTENNAS SHALL BE MORE THAN 18" FROM FACE OF MONOPOLE.

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



GENERAL NOTES

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

NOTE:
 THE TOWER STRUCTURE HAS NOT BEEN EVALUATED BY NETWORK BUILDING AND CONSULTING ES AND WILL NEED TO BE ANALYZED WITH ALL PROPOSED LOADING BY A PROFESSIONAL ENGINEER PRIOR TO INSTALLATION.



NB+C ENGINEERING SERVICES, LLC.
 4435 WATERFRONT DRIVE, SUITE 100
 GLEN ALLEN, VA 23060
 804-548-4079



1831 RADY COURT
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WILD TURKEY
 WILD TURKEY LANE
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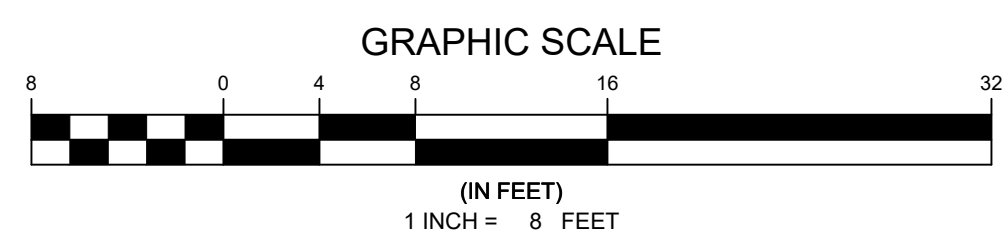


JOHN A. DAUGHTREY III, P.E.
 VA PROFESSIONAL ENGINEER LIC. #052122

**TOWER ELEVATION,
 DETAILS & NOTES**

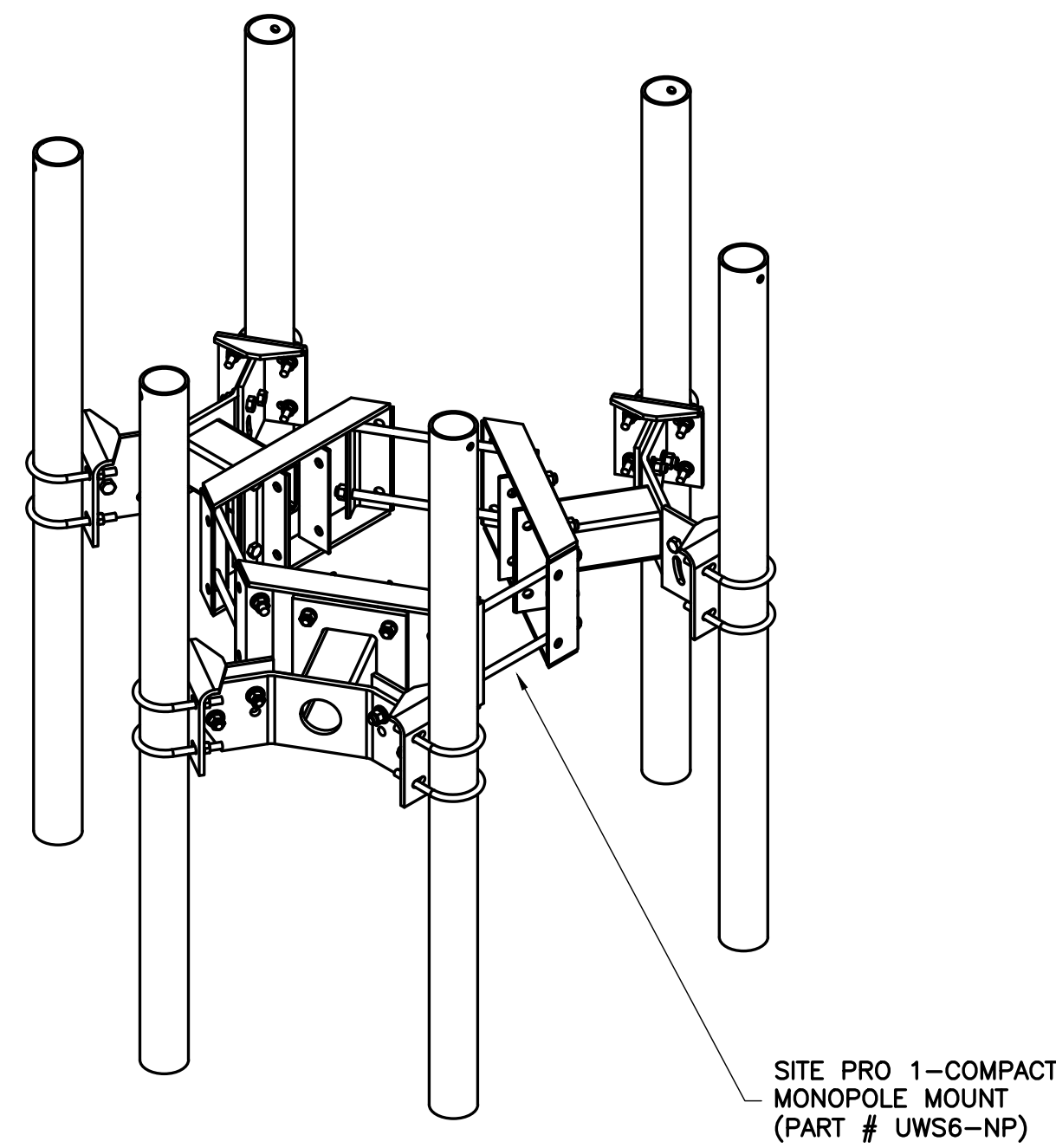
C-5

1 ELEVATION
 SCALE: 1/8" = 1'

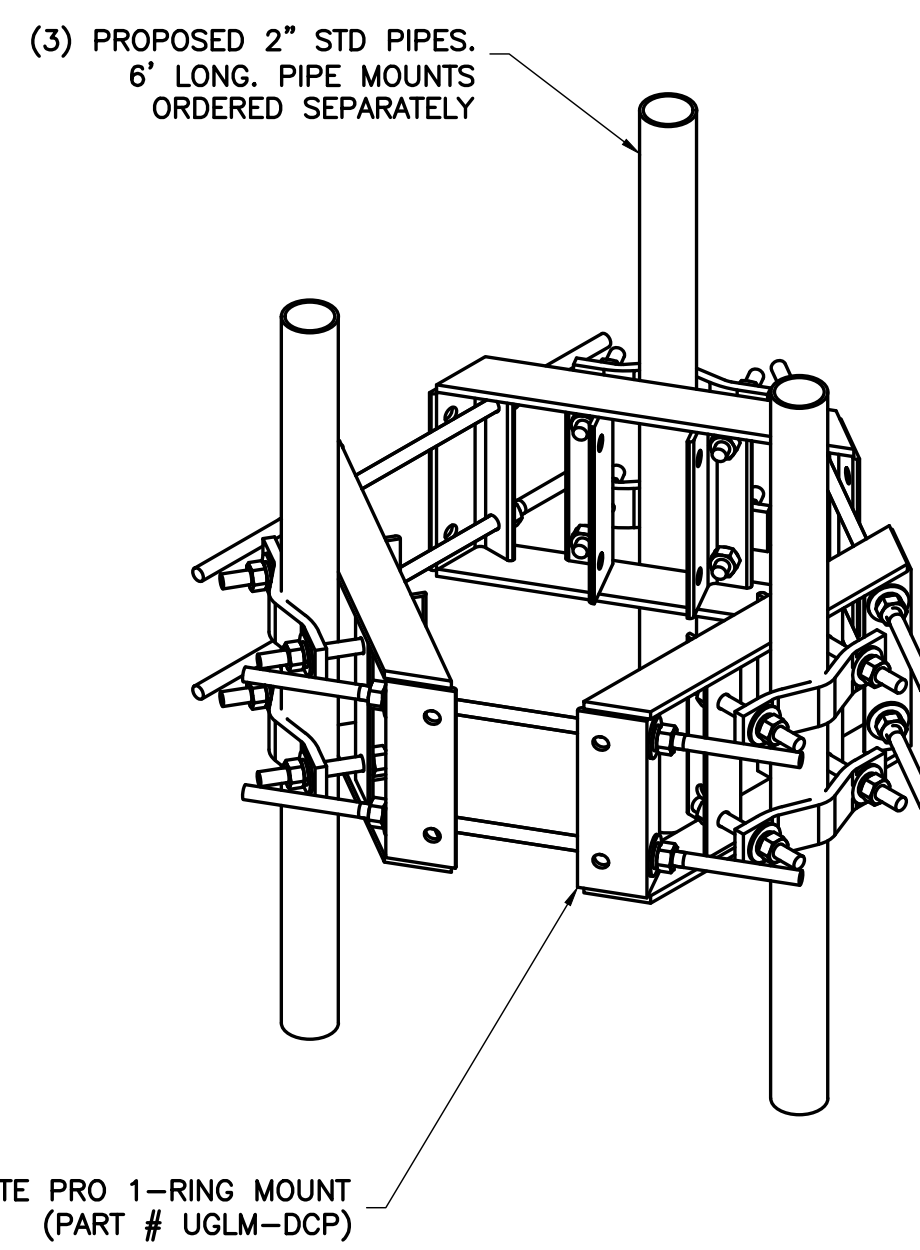


Know what's below.
 Call before you dig.

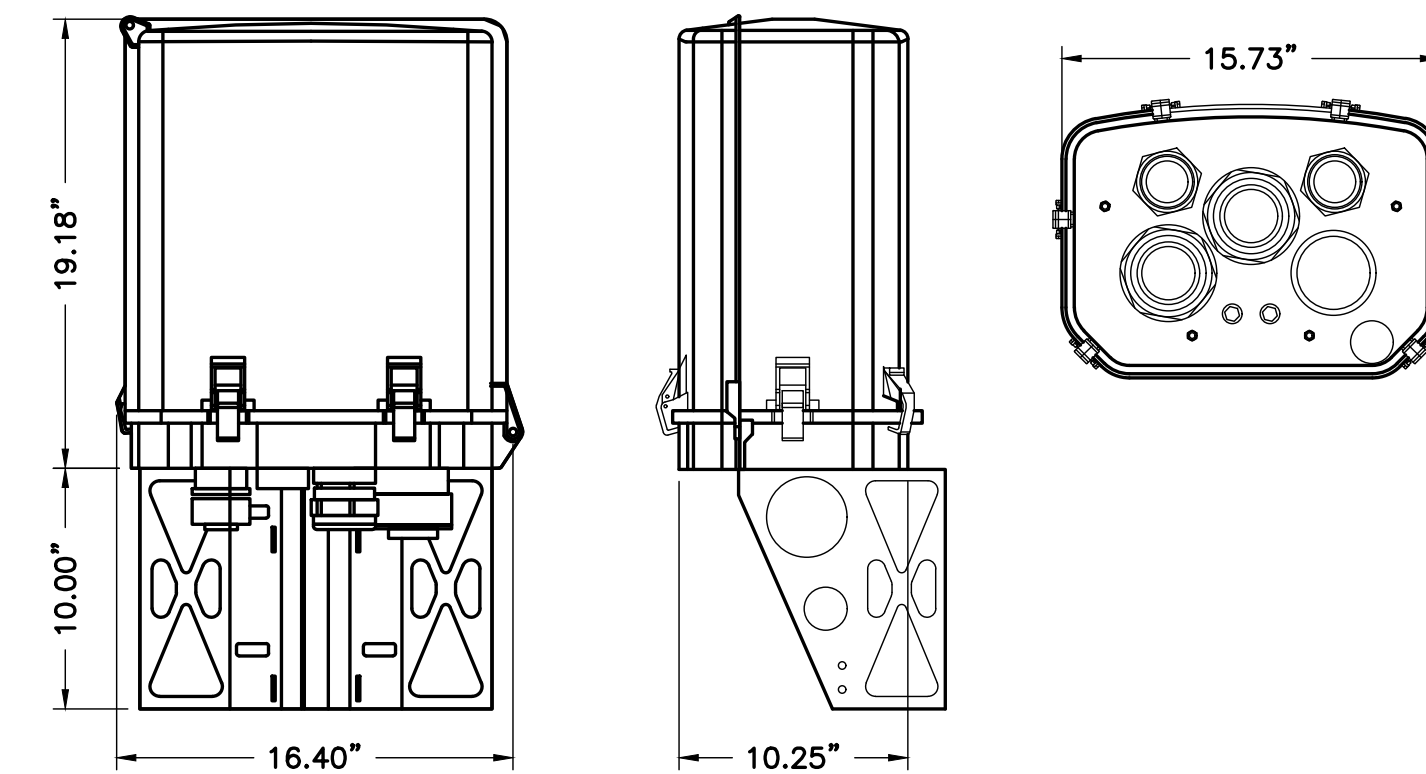
NOTE:
TWO OF THESE MOUNTS ARE REQUIRED FOR THIS SITE. THE (6) 3.5" SCH. 40 X 18' LONG PIPE MOUNTS ARE SOLD SEPARATELY. THE PIPE MOUNTS WILL SPAN BETWEEN THE TWO COMPACT MONOPOLE MOUNTS AS SHOWN ON SHEET C-2



SITE PRO 1-COMPACT MONOPOLE MOUNT (PART # UWS6-NP)



SITE PRO 1-RING MOUNT (PART # UGLM-DCP)



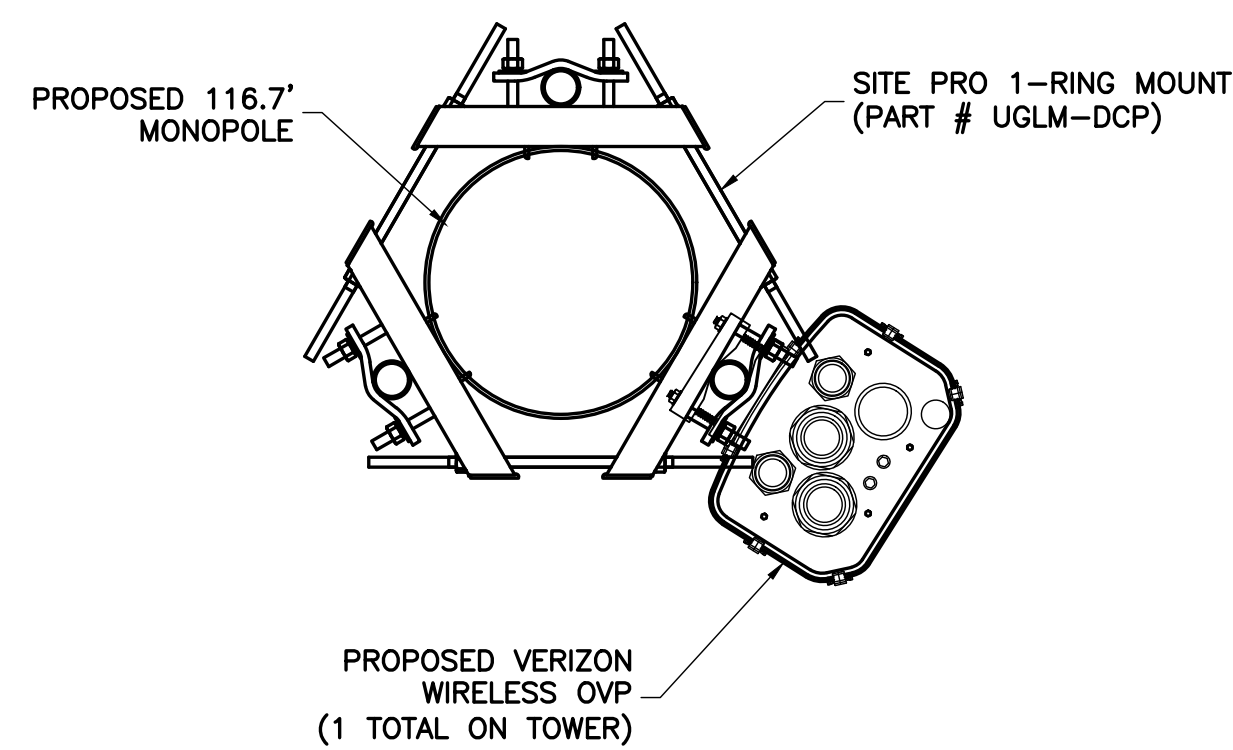
3 RAYCAP OVP BOX #RHSDC-3315-PF-48
C-6 NTS

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

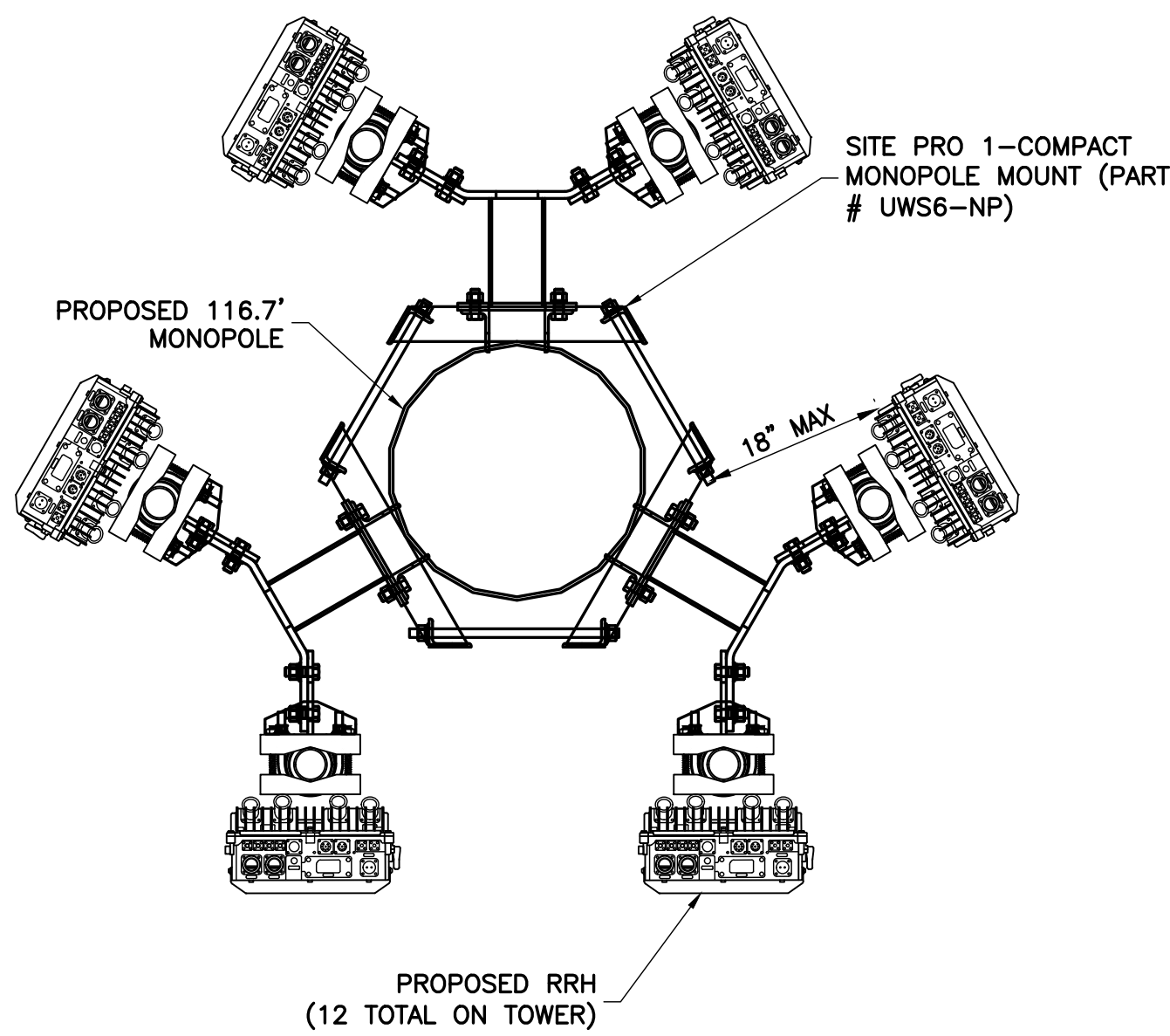
NOTE: CONTRACTOR TO PROVIDE SITE PRO 1-RING MOUNT (PART # UGLM-DCP) OR APPROVED EQUIVALENT

1 ANTENNA & RRH MOUNT DETAIL
C-6 SCALE: NTS

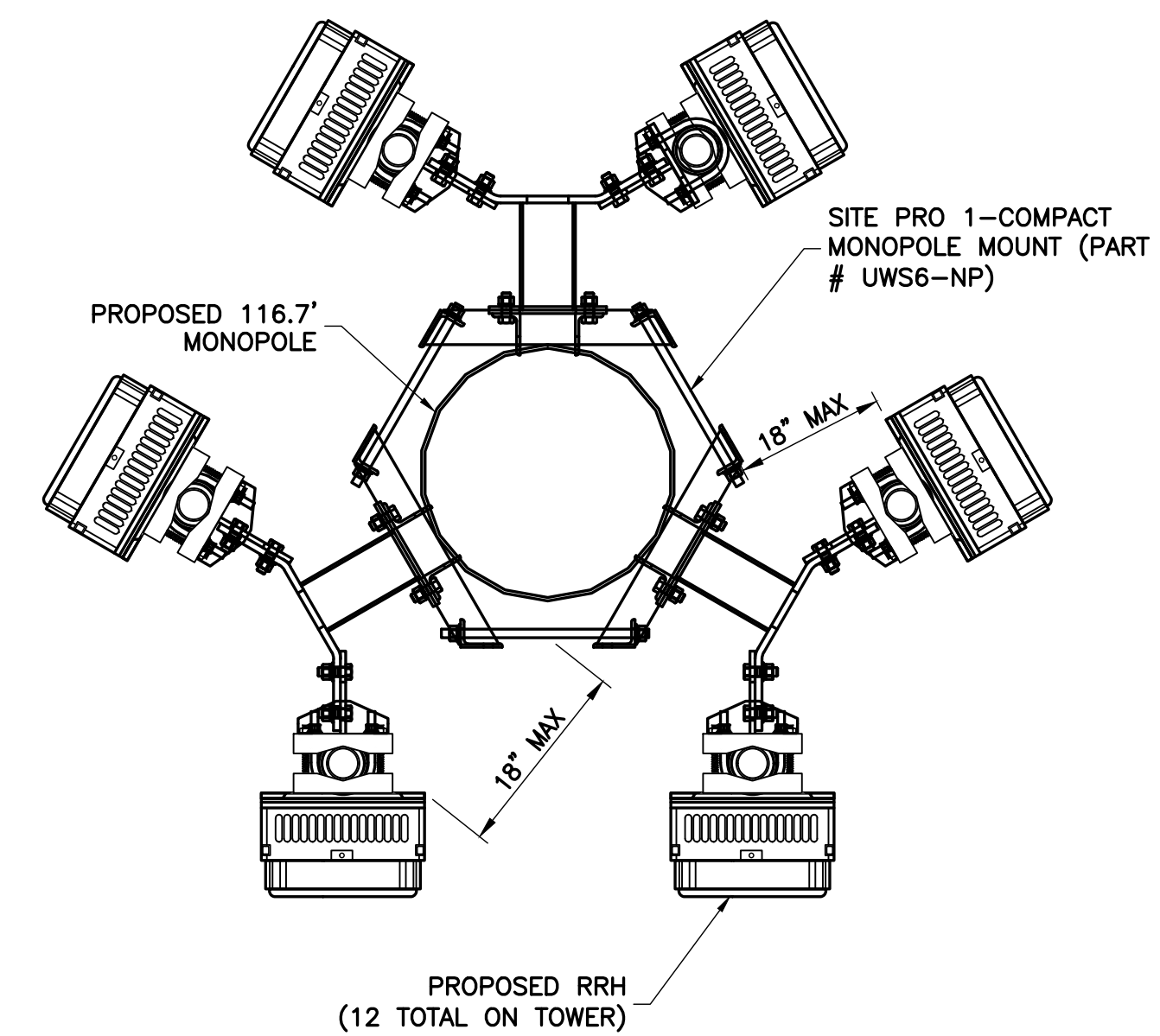
2 OVP MOUNT DETAIL
C-6 SCALE: NTS



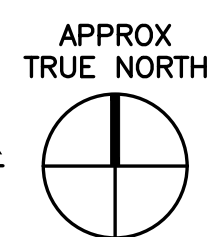
4 PROPOSED OVP ORIENTATION PLAN - 95' MOUNT CENTER
C-6 NTS



5 PROPOSED RRH ORIENTATION PLAN - 102' RAD CENTER
C-6 NTS



6 PROPOSED RRH ORIENTATION PLAN - 102' RAD CENTER
C-6 NTS



ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

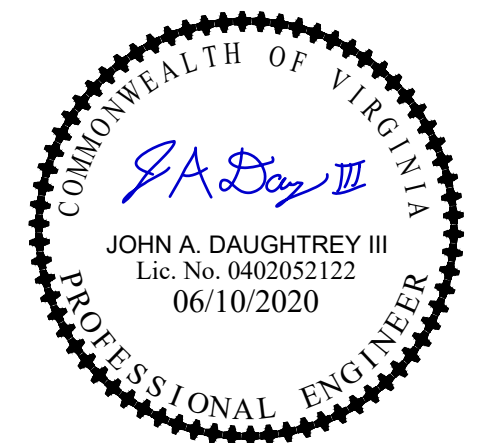
WILD TURKEY
WILD TURKEY LANE
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PROFESSIONAL STAMP



ENGINEER

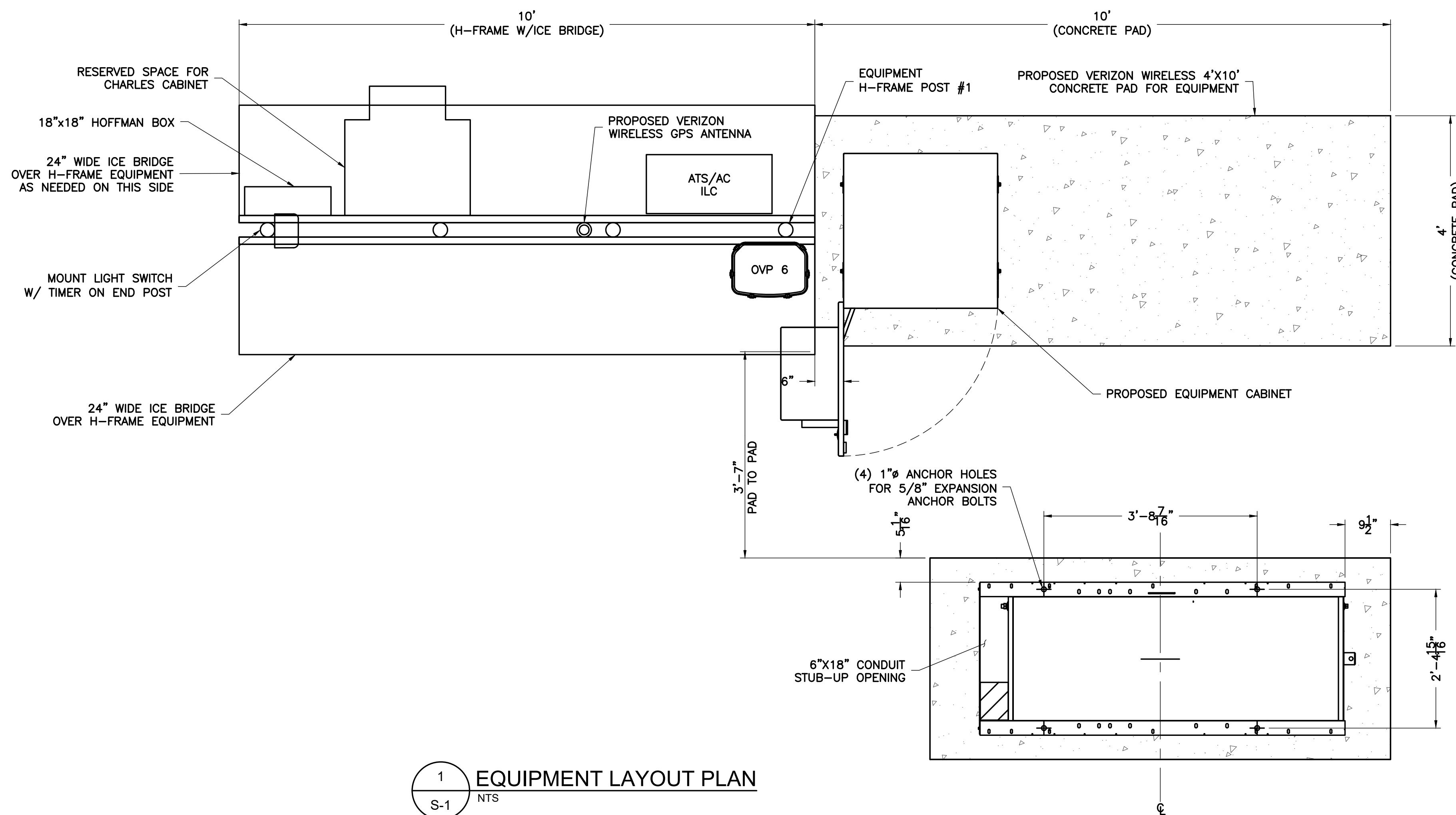
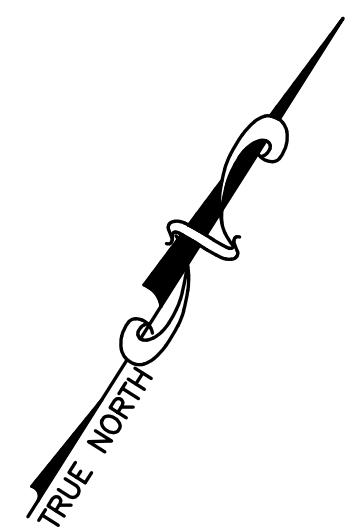
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

MOUNT DETAILS

SHEET NUMBER

C-6



1 EQUIPMENT LAYOUT PLAN
S-1 NTS

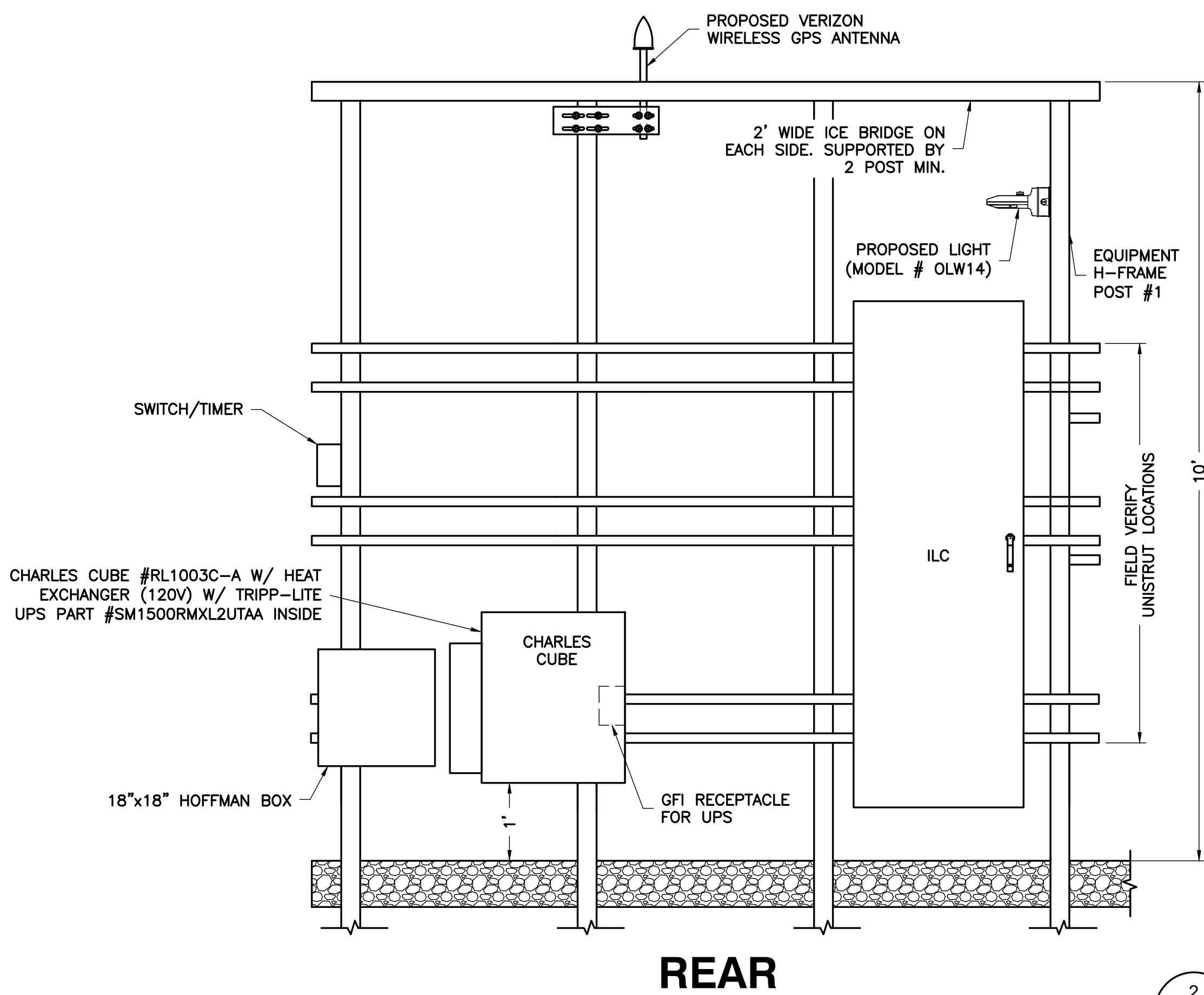
VERIZON WIRELESS EQUIPMENT:

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

CONTRACTOR PROVIDED EQUIPMENT:

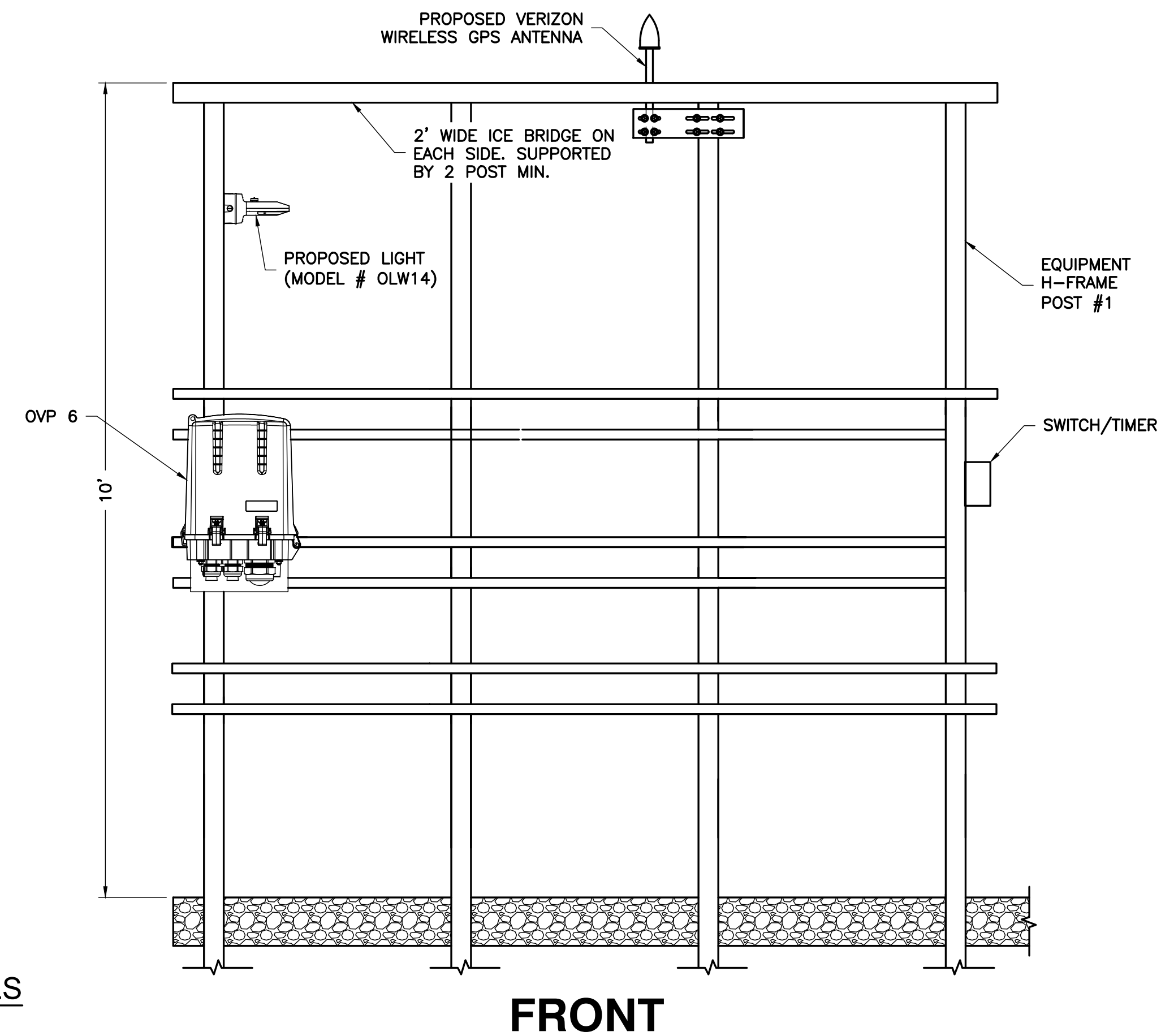
- * THIS IS NOT A COMPREHENSIVE LIST. IT SHOULD BE ASSUMED BY THE CONTRACTOR THAT ALL OTHER ITEMS DETAILED IN THIS SET OF DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR.
- 26.2" WIDE X 78" TALL X 12.3" DEEP, ASCO D300L SERIES POWER TRANSFER LOAD CENTER MODEL AA300G-1PH-N-3R - INTEGRATED LOAD CENTER "ILC" WITH COMBINATION PADLOCK.
- 22" WIDE X 26" TALL X 20" DEEP, CHARLES INDUSTRIES CUBE-RL1003C-A W/ HEAT EXCHANGER (120V) W/ TRIPP-LITE UPS PART #SM1500RMXL2UTAA INSIDE (ONLY REQUIRED WHEN V2T PROVIDES LIT FIBER. UTILITY COORDINATOR MUST VERIFY IF THIS IS NEEDED)
- RAYCAP OVP-6 (RCMDC-3315-PF-48)
- COORDINATE ADDITIONAL ENTRY GATE LOCK(S) WITH CONSTRUCTION MANAGER.

NOTES:
1. SEE SHEET E-1,E-2 & E-3 FOR CABLE/CONDUIT ROUTINGS.
2. BOTTOM OF OVPS SHALL NOT EXCEED 36" ABOVE FINISHED GRADE.



REAR

2 H-FRAME RISER DETAILS
S-1 NTS



FRONT

ENGINEER



APPLICANT



SITE INFORMATION

WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
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PROFESSIONAL STAMP



ENGINEER

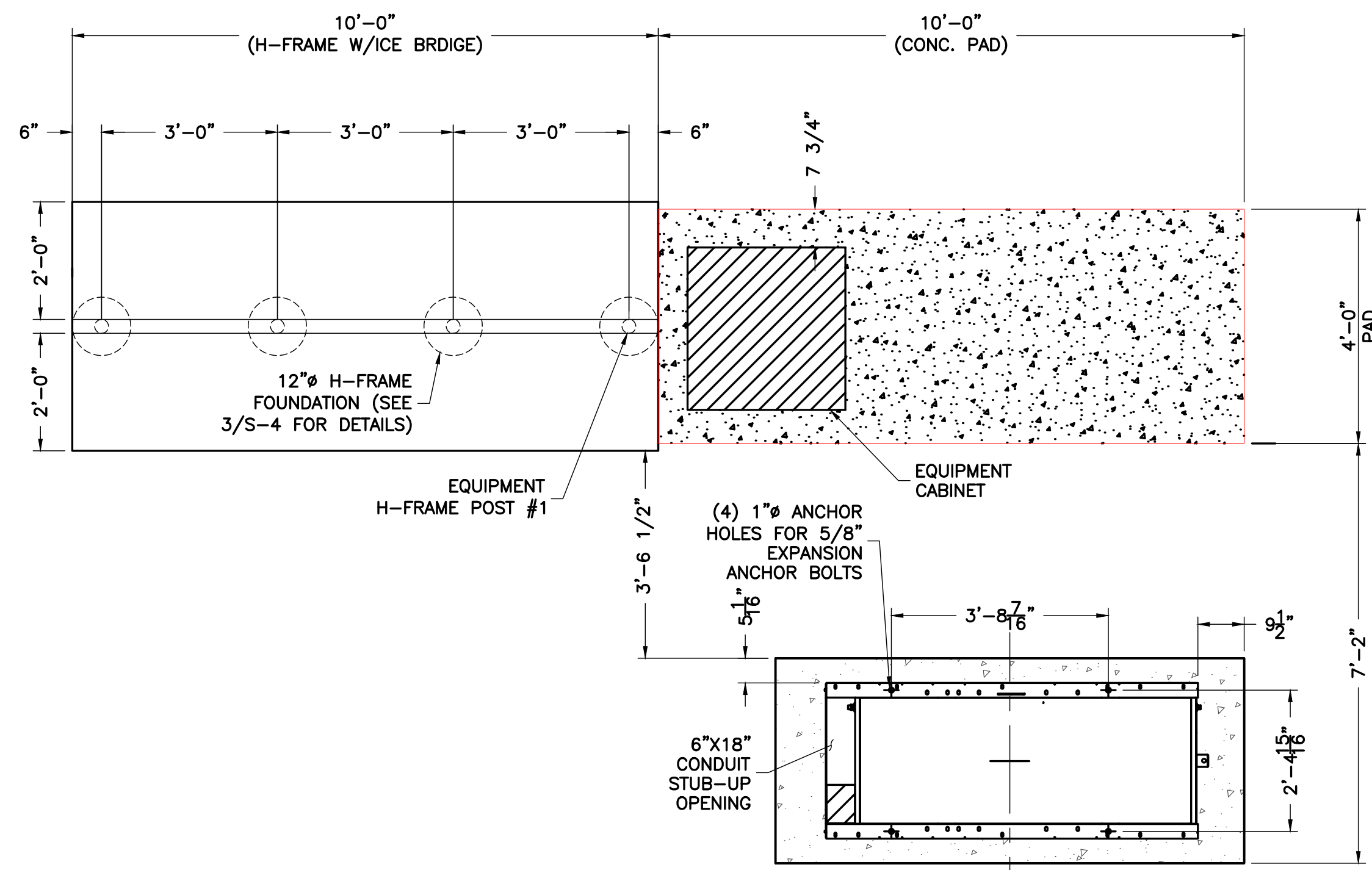
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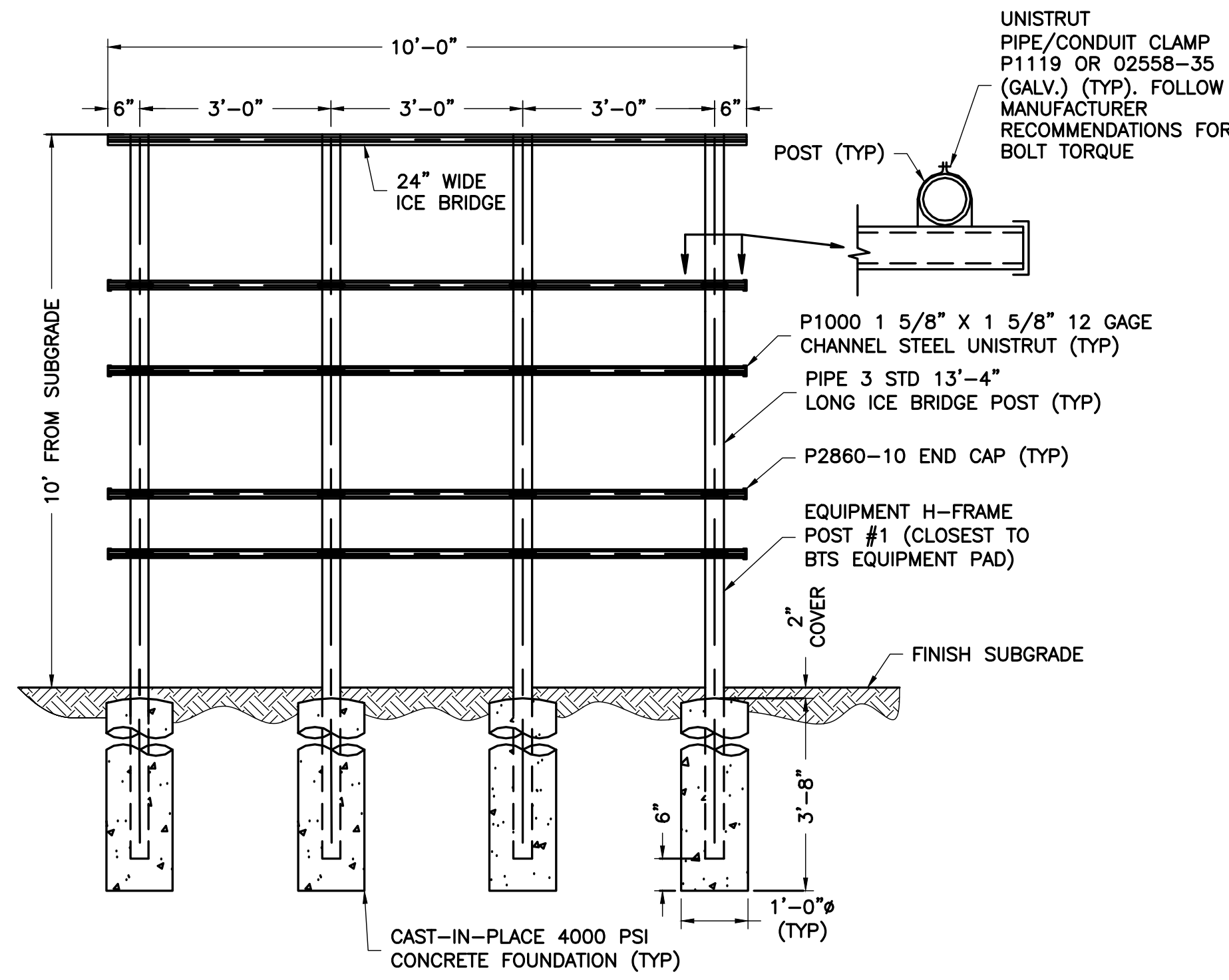
EQUIPMENT MOUNTING DETAILS

SHEET NUMBER

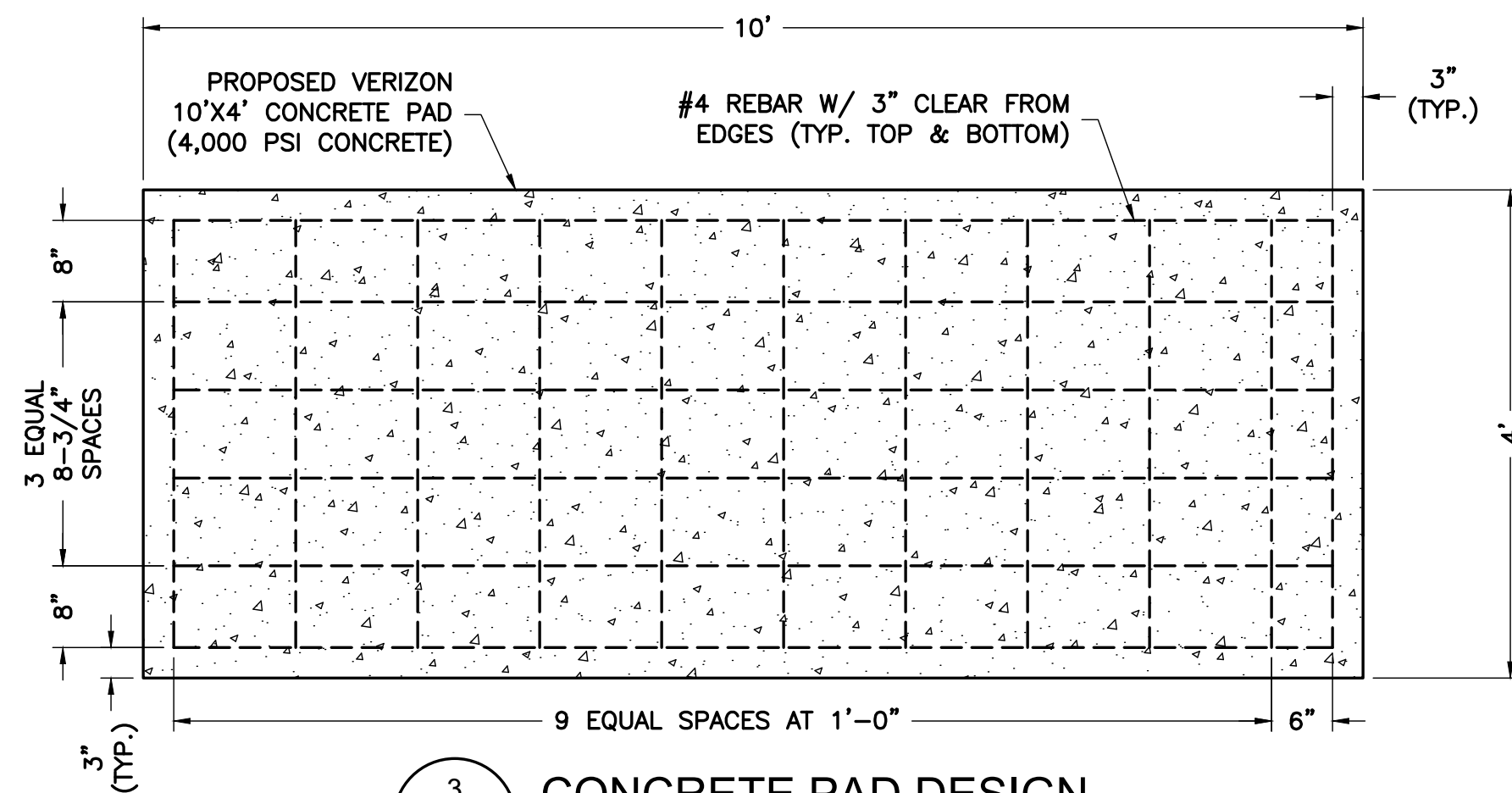
S-1



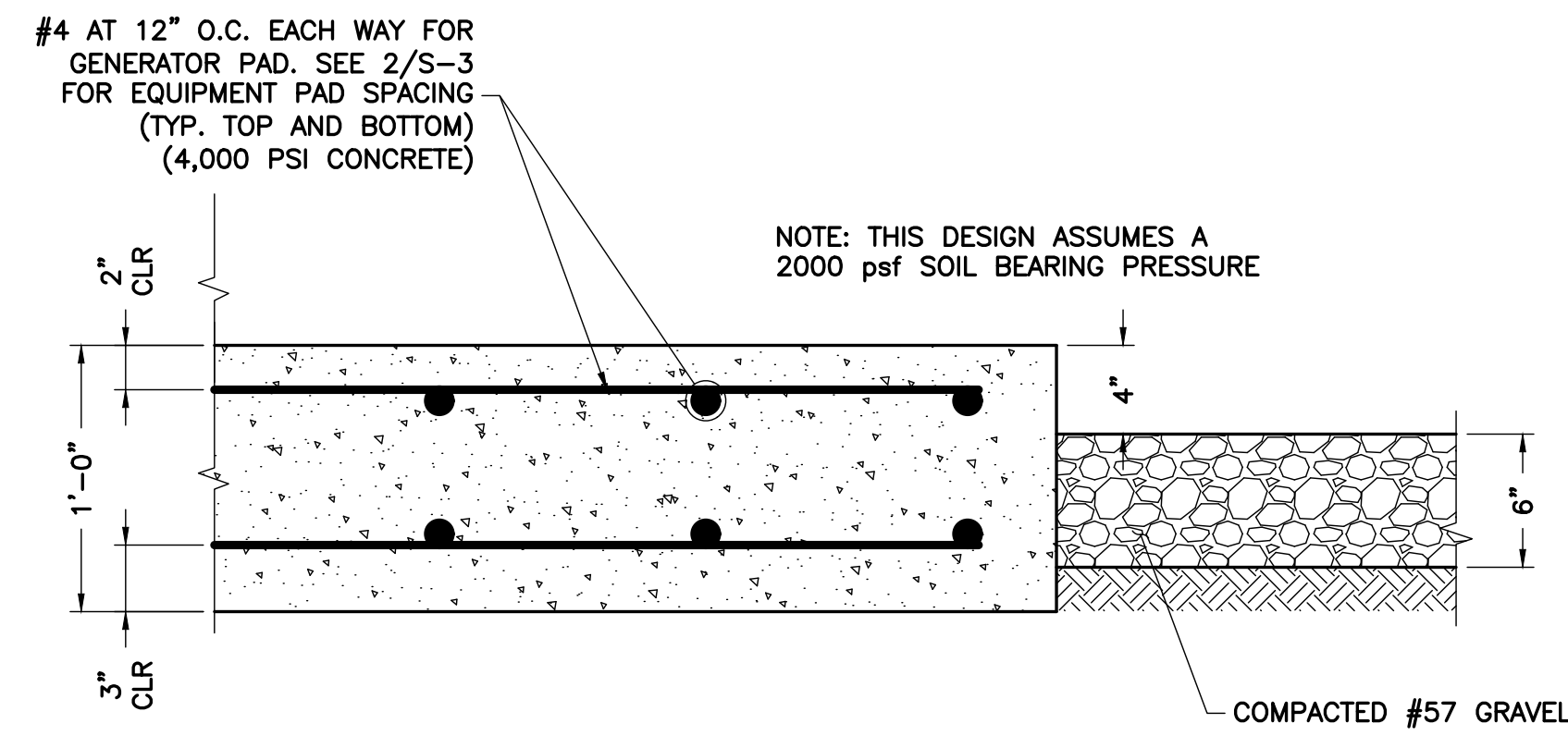
1 EQUIPMENT PLAN
SCALE: NTS



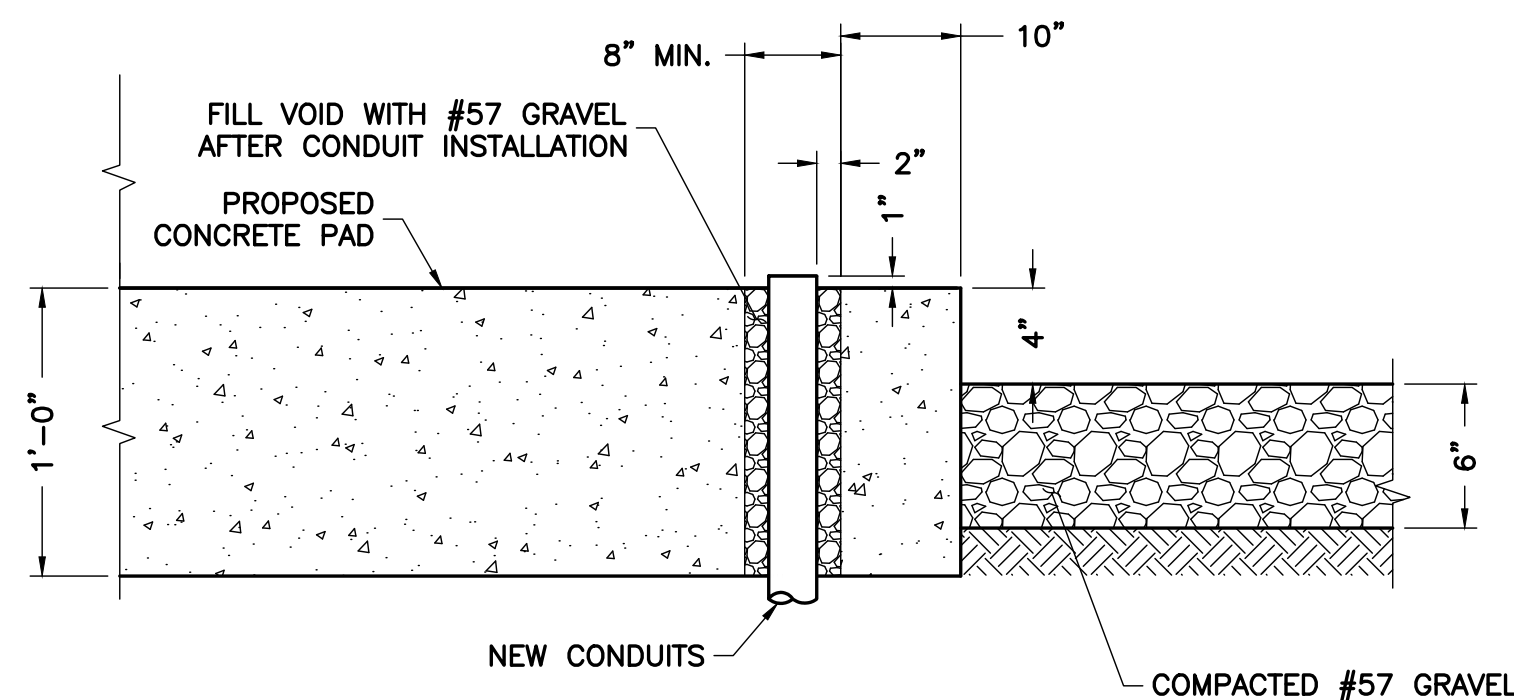
2 H-FRAME DETAIL
SCALE: NTS



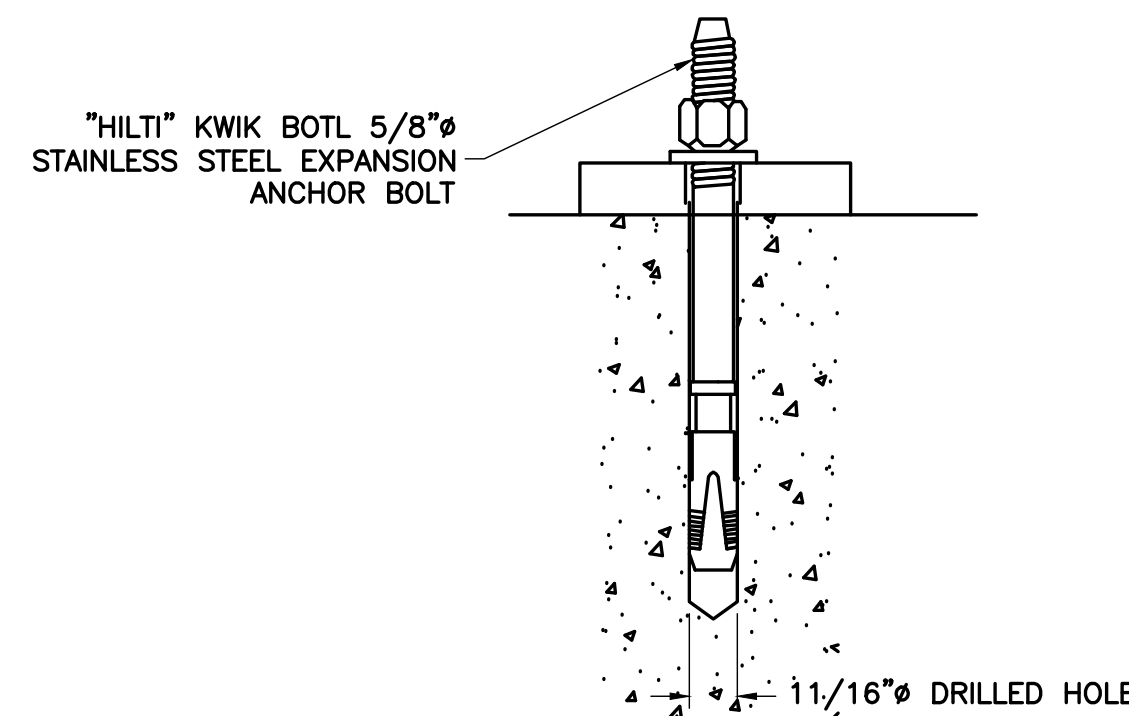
3 CONCRETE PAD DESIGN
SCALE: NTS



4 CONCRETE PAD FOUNDATION
SCALE: NTS



5 GENERATOR CONDUIT ROUTING DETAIL
SCALE: NTS



6 EXPANSION ANCHOR DETAIL
SCALE: NTS

CONCRETE GENERAL NOTES

- ALL CONCRETE WORK SHALL CONFORM TO ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND TO THE PROJECT SPECIFICATIONS.
- ALL CONCRETE IS TO BE NORMAL DENSITY CONCRETE WITH A MAXIMUM SLUMP OF 4 INCHES. MAXIMUM AGGREGATE SIZE 3/4 INCH. NO ADDITIONAL WATER SHALL BE ADDED TO THE CONCRETE AT THE JOB SITE.
- PROVIDE AIR ENTRAINMENT OF 4 TO 6 PERCENT IN ALL EXPOSED CONCRETE WORK WITH AIR-ENTRAINING ADMIXTURE COMPLYING WITH ASTM C 260. AT TROWEL-FINISHED FLOORS, DO NOT EXCEED AIR-ENTRAINMENT CONTENT OF 3 PERCENT.
- NO HOLES OR SLEEVES SHALL BE MADE THROUGH CONCRETE WORK OTHER THAN THOSE INDICATED ON THE STRUCTURAL DRAWINGS WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- ALL FORMWORK OFFSET TOLERANCES (PER ACI 117) TO BE CLASS A.
- FLOOR SLAB TOLERANCES TO ASTM E1155; SPECIFIED OVERALL MINIMUM VALUE OF FLATNESS F = 25 WITH LOCAL MINIMUM F = 17, AND MINIMUM VALUE OF LEVELNESS L = 20 WITH LOCAL MINIMUM L = 17 AND F WITHIN 72 HOURS OF SLAB CONSTRUCTION.
- CABINETS ON SLAB (IF APPLICABLE). ALLOWABLE CAPACITY OF CONCRETE USED IN DESIGN MIN. 3500 PSI.

FOUNDATION NOTES:

- DESIGN INFORMATION AND GENERAL REQUIREMENTS
 - DESIGN CONFORMS TO INTERNATIONAL BUILDING CODE 2015.
 - AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," ACI 318-24.
- EARTHWORK
 - FOUNDATIONS HAVE BEEN DESIGNED TO BEAR ON (UNDISTURBED RESIDUAL SOILS/COMPACTED STRUCTURAL FILL), CAPABLE OF SAFELY SUPPORTING A NET ALLOWABLE BEARING PRESSURE OF 2000 PSF. IF FOUNDATION CONDITIONS PROVE UNACCEPTABLE AT ELEVATIONS SHOWN, EXCAVATION SHALL BE CARRIED DEEPER AND SHALL BE BACKFILLED WITH LEAN CONCRETE TO PLAN FOOTING BOTTOM, OR REDESIGN OF FOUNDATIONS WILL BE REQUIRED AT THE DIRECTION OF THE ENGINEER.
 - DESIGN, FURNISH AND INSTALL ALL TEMPORARY SHEETING, SHORING AND DRAINAGE NECESSARY TO MAINTAIN THE EXCAVATION AND PROTECT SURROUNDING STRUCTURES AND UTILITIES.
 - THOROUGHLY COMPACT ALL BOTTOM OF FOOTINGS PRIOR TO PLACING ANY CONCRETE.

3. CONCRETE

- CONCRETE CONSTRUCTION SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," (ACI 301-89).
- FORMWORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."

3.2 REINFORCEMENT

- REINFORCING STEEL ASTM A615, GRADE 60. WELDED WIRE ASTM A185 (FLAT SHEET). LAPS 40 BAR DIAMETERS UNLESS NOTED. BARS SHALL BE SECURELY HELD IN ACCURATE POSITION BY SUITABLE ACCESSORIES, TIE BARS, SUPPORT BARS, ETC. HOOK LENGTHS SHALL BE 12 BAR DIAMETERS.
- CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED.

FOOTINGS & SLABS CAST AGAINST GROUND	3"
CONCRETE TO BE IN CONTACT WITH GROUND OR WEATHER AT BARS GREATER THAN #5	2"
AT BARS #5 OR LESS	1-1/2"
CONCRETE NOT TO BE EXPOSED TO GROUND OR WEATHER BEAMS, GIRDERS & COLUMNS	1-1/2"
SLABS & WALLS	3/4"

3.3 CAST-IN-PLACE-CONCRETE

- MINIMUM 28 DAY CYLINDER STRENGTH AND MAXIMUM SLUMP, PRIOR TO ADDITION OF SUPER PLASTICIZERS, AS FOLLOWS:

	F'C (psi)	SLUMP
CLASS I FOOTINGS	4000	3"
CLASS II FOOTINGS	4000	3"
CLASS III INTERIOR ELEVATED SLABS & WALLS	4000	4"
CLASS V OTHER WORK	4000	4"
CLASS VI LEAN CONCRETE FOR OVER EXCAVATION OF FOUNDATIONS	2000	N/A

- MIX DESIGN TO BE IN ACCORDANCE WITH ACI 318, CHAPTER 5. NO CALCIUM CHLORIDE OR ADMIXTURE CONTAINING CHLORIDES SHALL BE USED IN ANY CONCRETE.
- COARSE AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33 SIZE #57. COARSE AGGREGATE FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C330 GRADED 3/4" TO 1/4".
- COLD WEATHER PLACEMENT SHALL COMPLY WITH ACI 306.1
- HOT WEATHER PLACEMENT SHALL COMPLY WITH ACI 305 R.
- CHAMFER ALL EXPOSED EDGES 3/4".
- THE MAXIMUM TEMPERATURE OF ALL CONCRETE AT DELIVERY TO THE SITE SHALL BE 85°F, TOTAL DELIVERY TIME SHALL BE LESS THEN 75 MINUTES.

ENGINEER

APPLICANT

SITE INFORMATION

DESIGN RECORD

PROFESSIONAL STAMP

ENGINEER

SHEET TITLE

SHEET NUMBER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
604-548-4079

verizon
1831 RADY COURT
RICHMOND, VA 23222

WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

REVISIONS

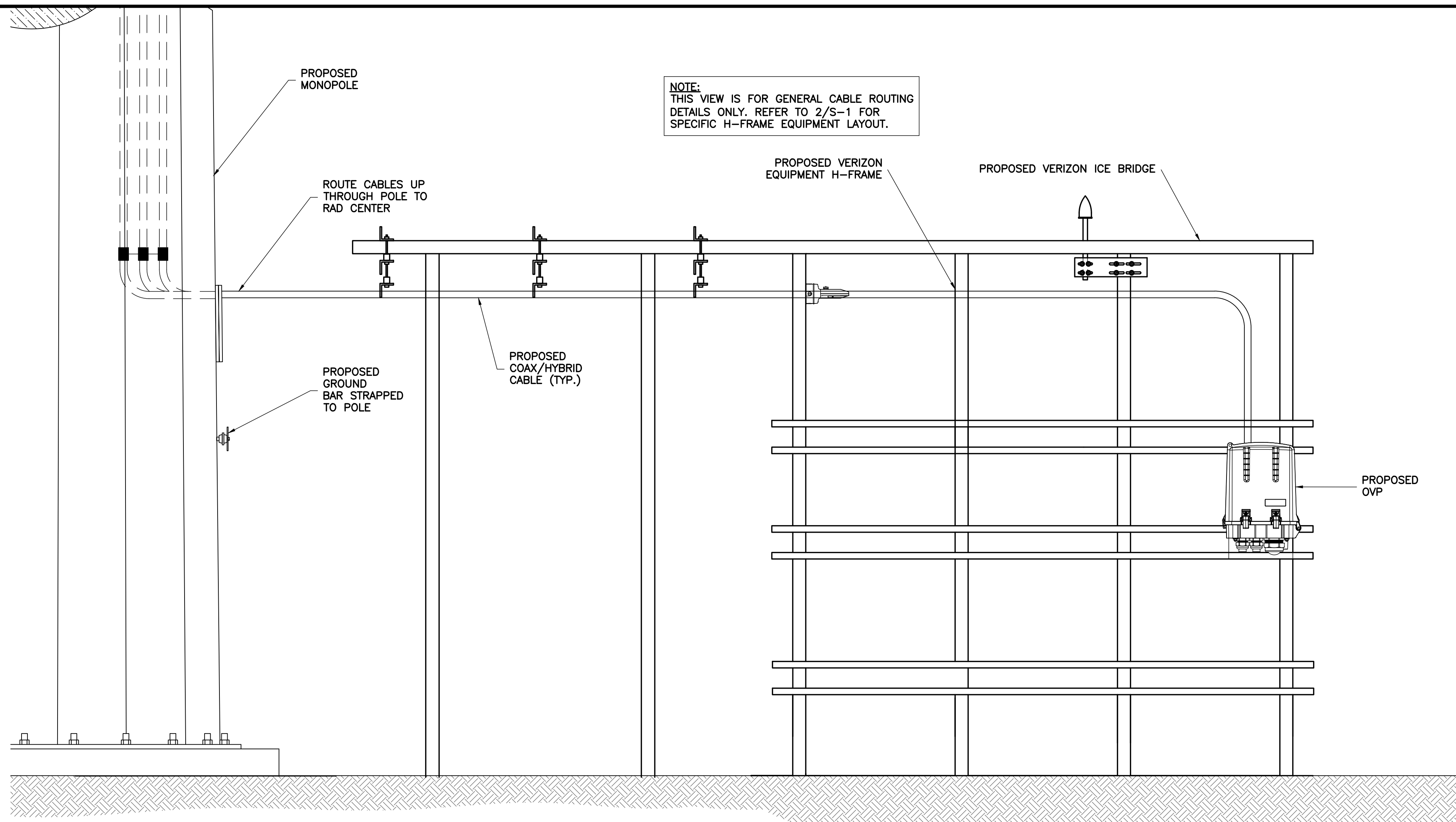
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0	10/30/19	PRELIMINARY CD	LJS

COMMONWEALTH OF VIRGINIA
John A. Daughtrey III
Lic. No. 0402052122
06/10/2020
PROFESSIONAL ENGINEER

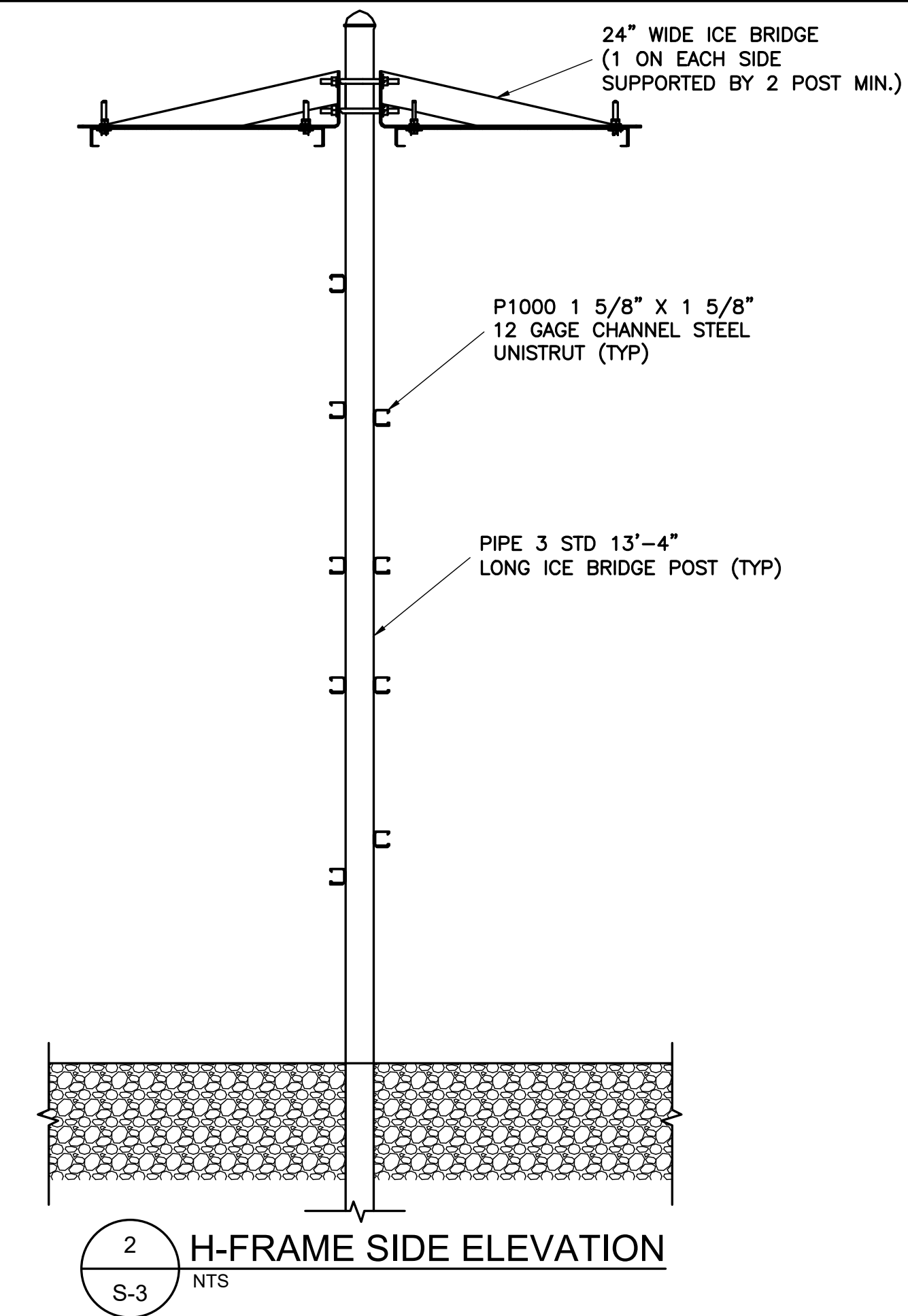
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

CONCRETE PAD DETAILS

S-2



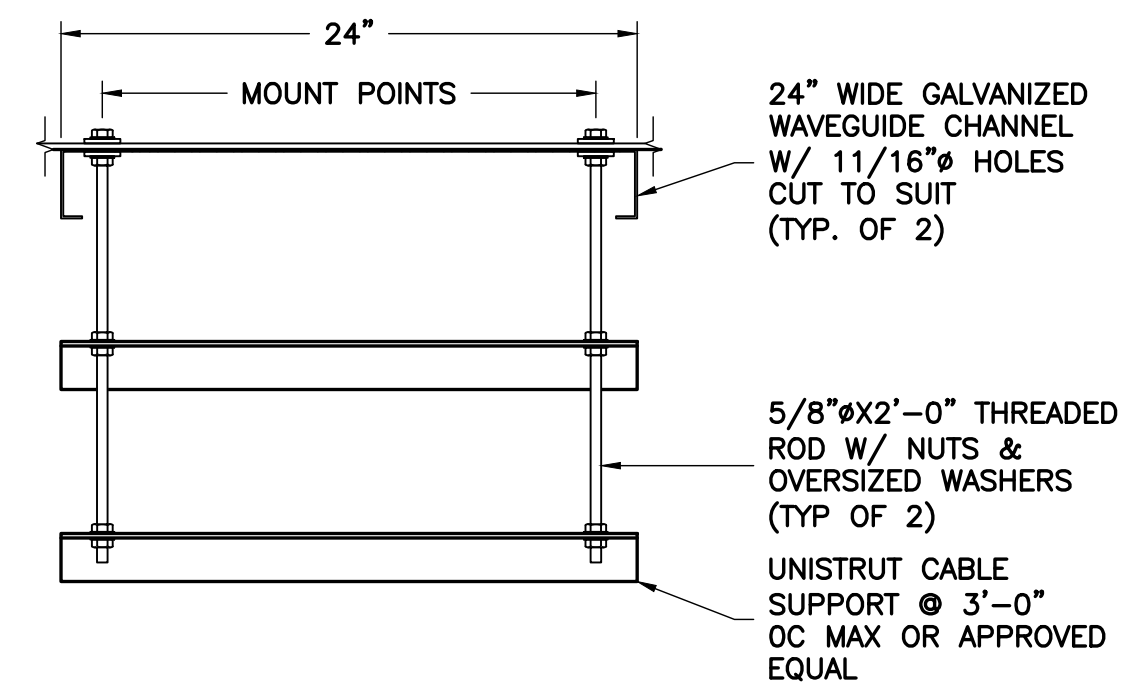
1 EQUIPMENT ELEVATION
S-3 NTS



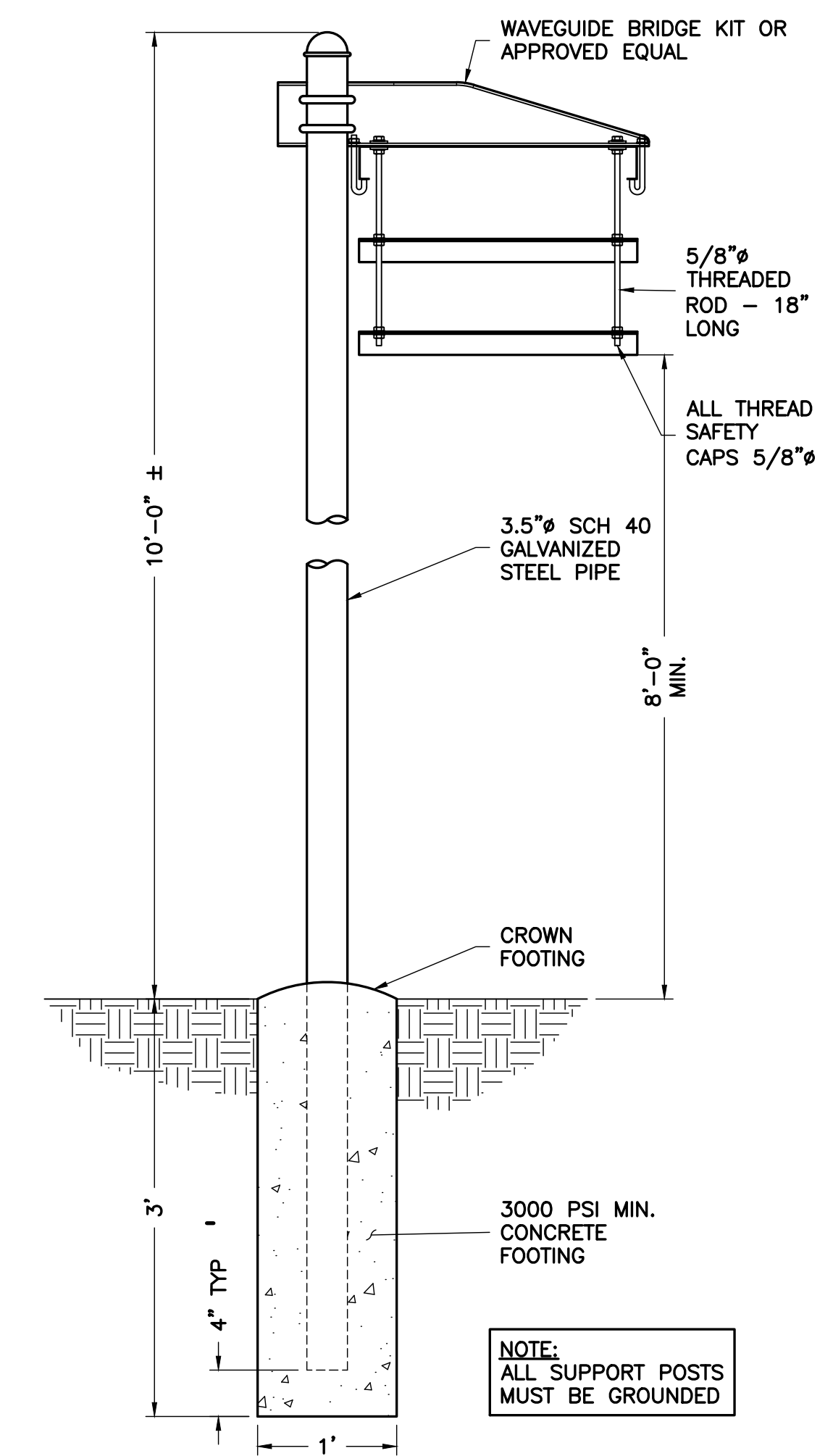
2 H-FRAME SIDE ELEVATION
S-3 NTS

STRUCTURAL NOTES

- DESIGN REQUIREMENTS PER INTERNATIONAL BUILDING CODE 2015 AND THE ANSI/TIA-222-G STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES.
- INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED BY FIELD MEASUREMENT AND FROM THE EXISTING STRUCTURAL DRAWINGS. THE GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIALS OR PROCEEDING WITH CONSTRUCTION.
- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN INCLUDING THE COMMENTARY AND THE AISC CODE FOR STANDARD PRACTICE.
- STRUCTURAL STEEL PLATES AND SHAPES SHALL CONFORM TO ASTM A36. ALL STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE B. ALL STRUCTURAL STEEL COMPONENTS AND FABRICATED ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION.
- WELDING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE - STEEL WELD ELECTRODES SHALL BE E70XX.
- ALL COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE AS SPECIFIED BY THE OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL FURNISH ALL CONNECTION HARDWARE REQUIRED TO SECURE THE CABLES. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.
- ALL THREADED STRUCTURAL FASTENERS AND THREADED ROD FOR ANTENNA SUPPORT ASSEMBLIES SHALL CONFORM TO ASTM A307 OR ASTM A36. ALL STRUCTURAL FASTENERS FOR STRUCTURAL STEEL FRAMING SHALL CONFORM TO ASTM A325. FASTENERS SHALL BE 5/8" MIN. DIAMETER BEARING TYPE CONNECTIONS WITH THREADS INCLUDED IN THE SHEAR PLANE. ALL EXPOSED FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED. CONCRETE EXPANSION ANCHORS SHALL BE HILTI KWIK BOLTS UNLESS OTHERWISE NOTED.
- NORTH ARROW SHOWN ON PLANS REFERS TO TRUE NORTH. CONTRACTOR SHALL VERIFY TRUE NORTH AND INFORM CONSTRUCTION MANAGER OF ANY DISCREPANCY BEFORE STARTING CONSTRUCTION.



3 CABLE SUPPORT SECTION
S-3 NTS



4 CABLE BRIDGE DETAIL
S-3 NTS

ENGINEER

TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT

1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

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PROFESSIONAL STAMP

ENGINEER

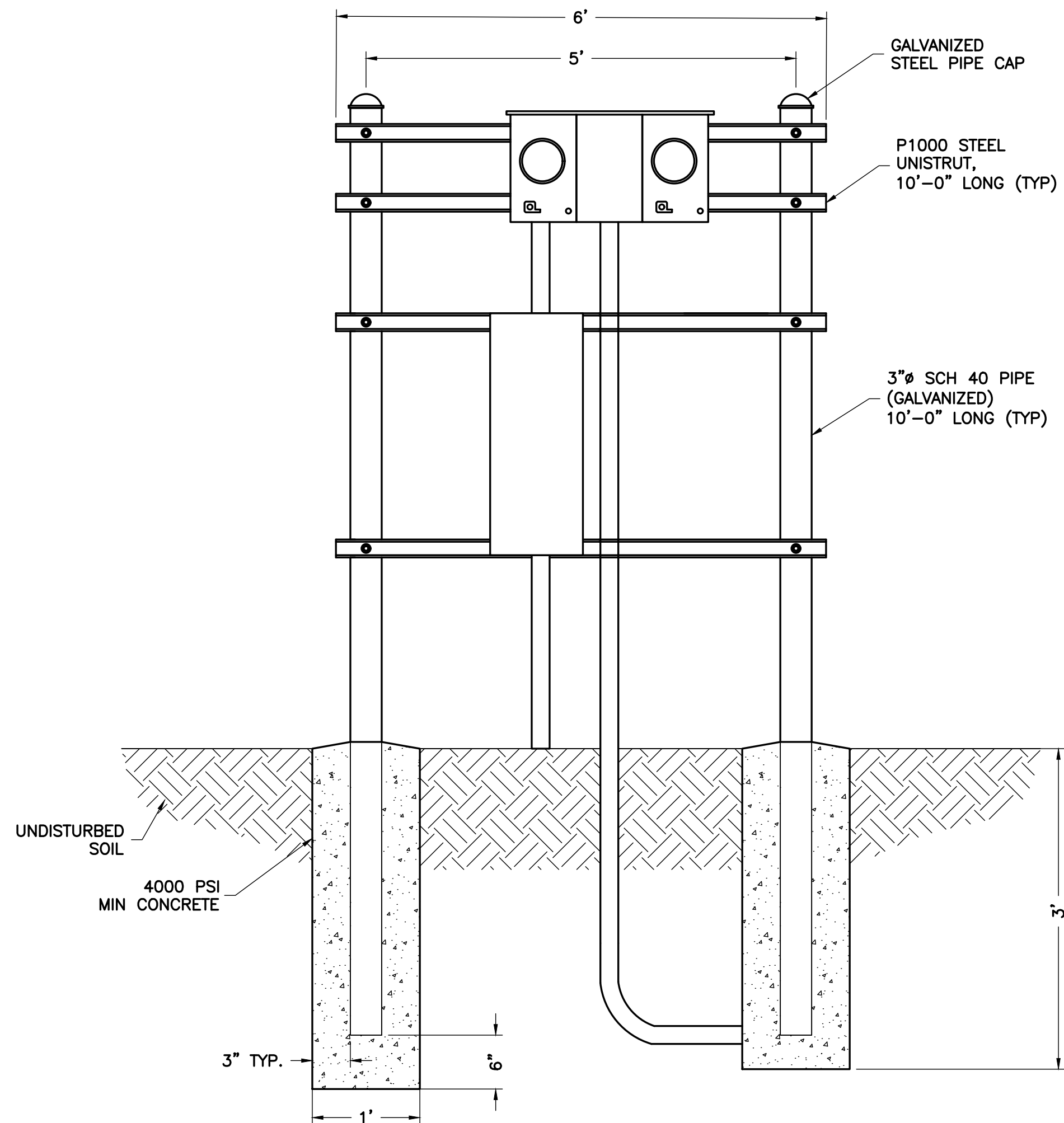
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

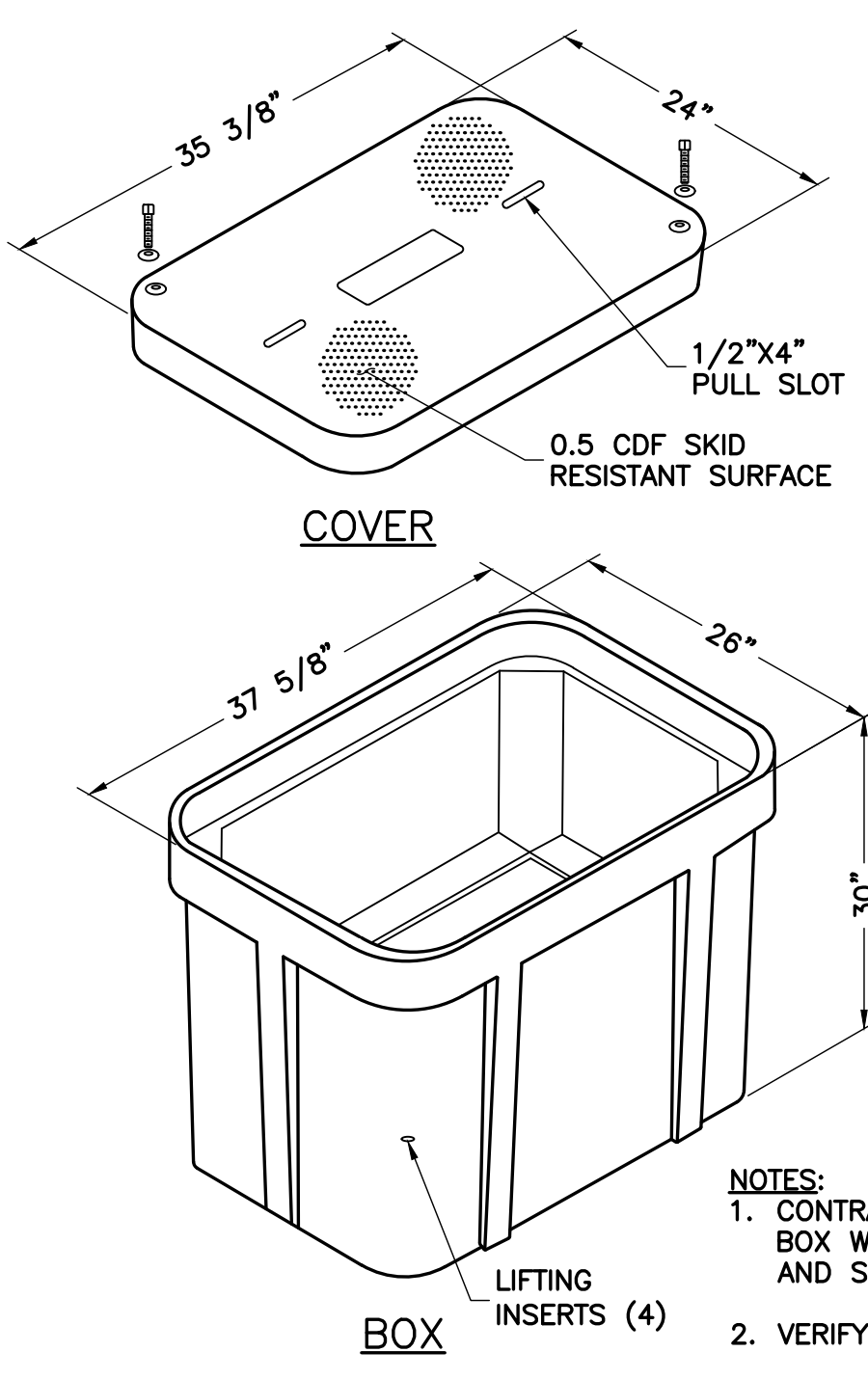
**CONSTRUCTION
DETAILS & NOTES**

SHEET NUMBER

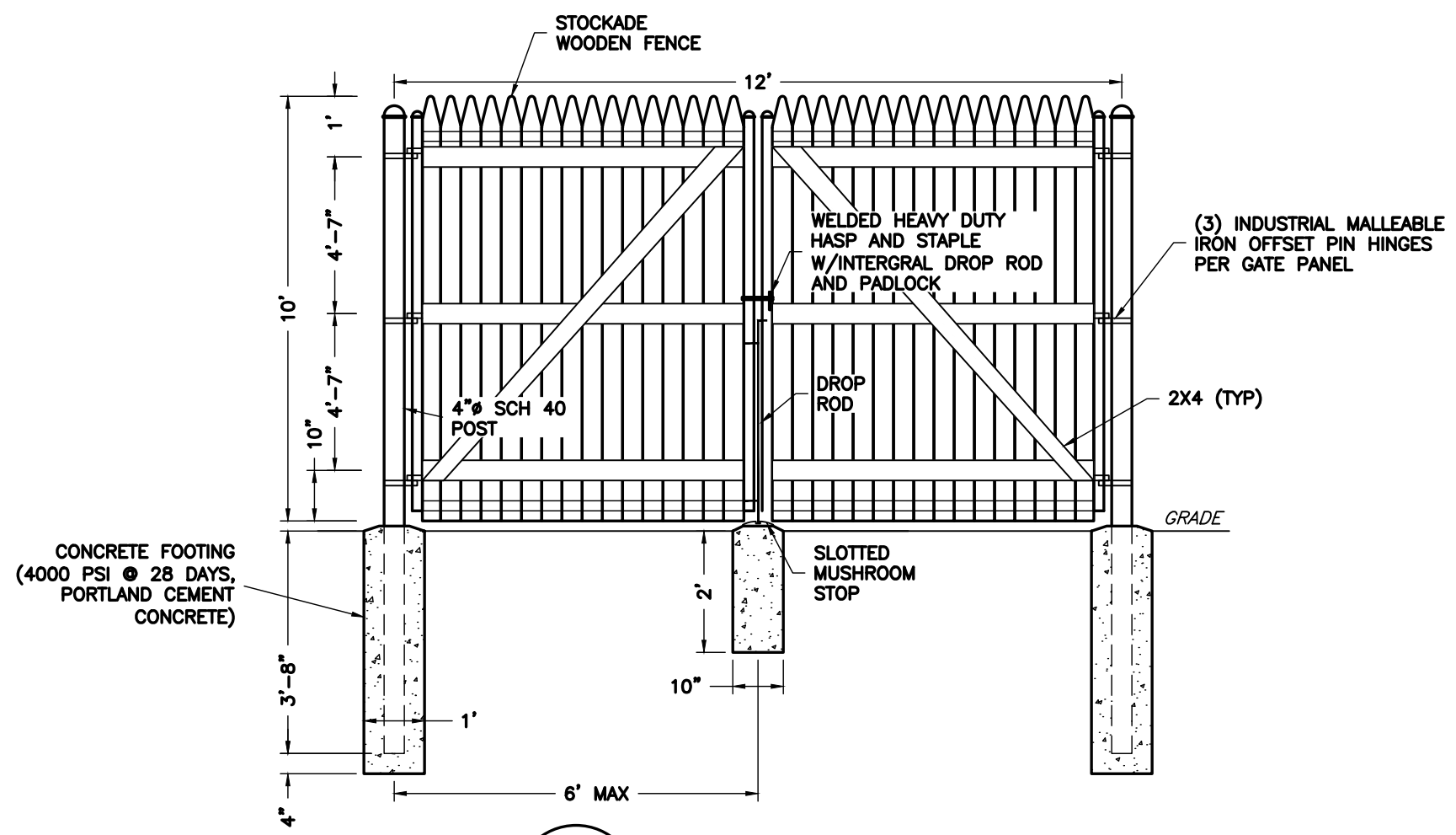
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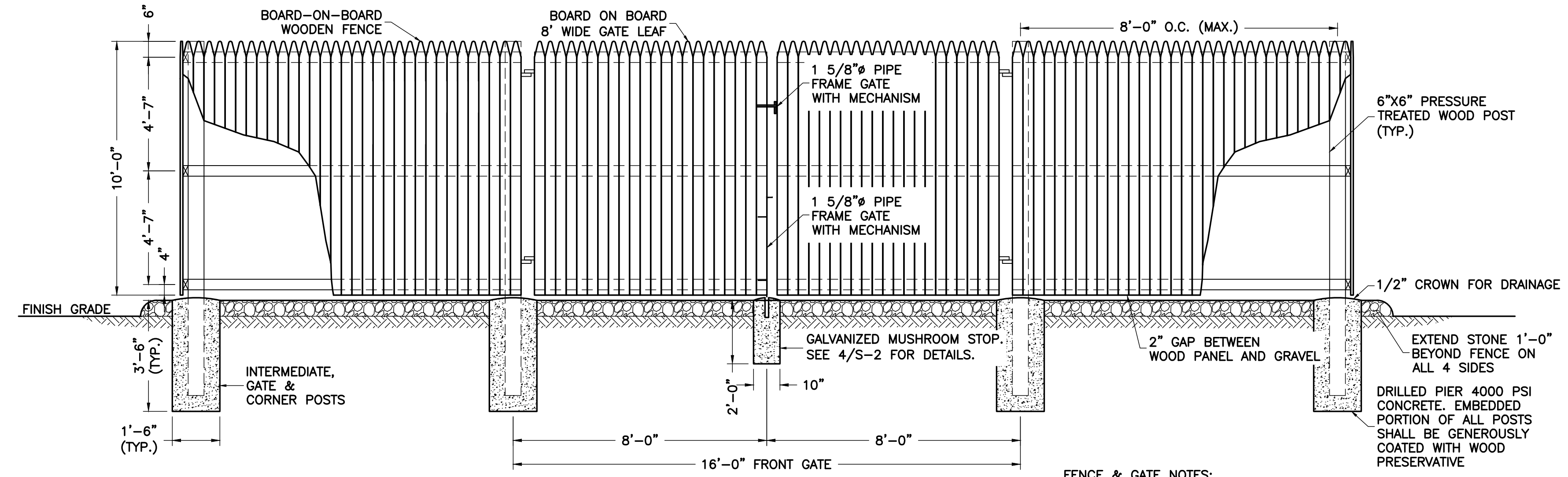
1 2-GANG METER BANK H-FRAME
S-4 NTS



2 HANDHOLE DETAIL
S-4 NTS

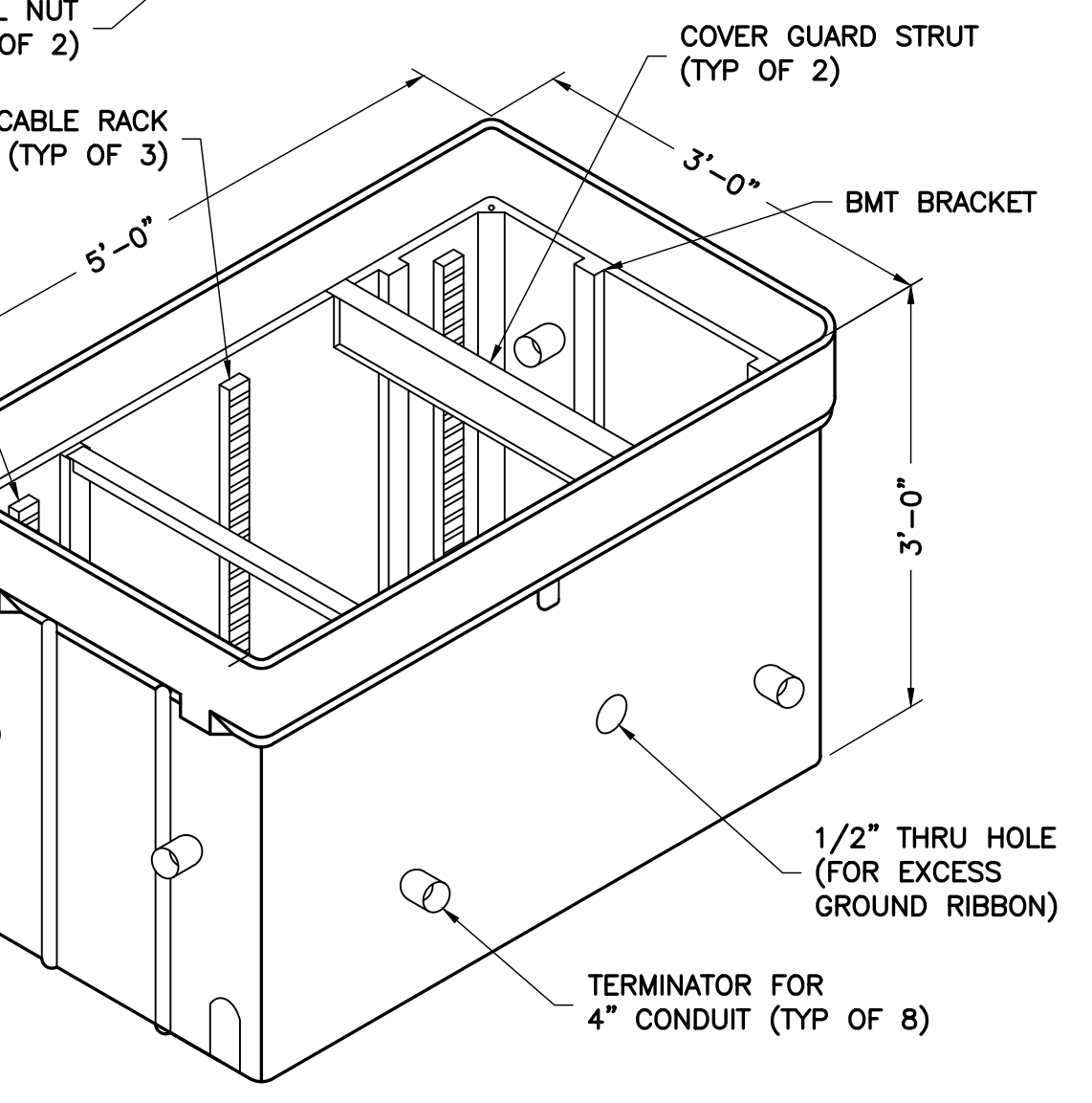
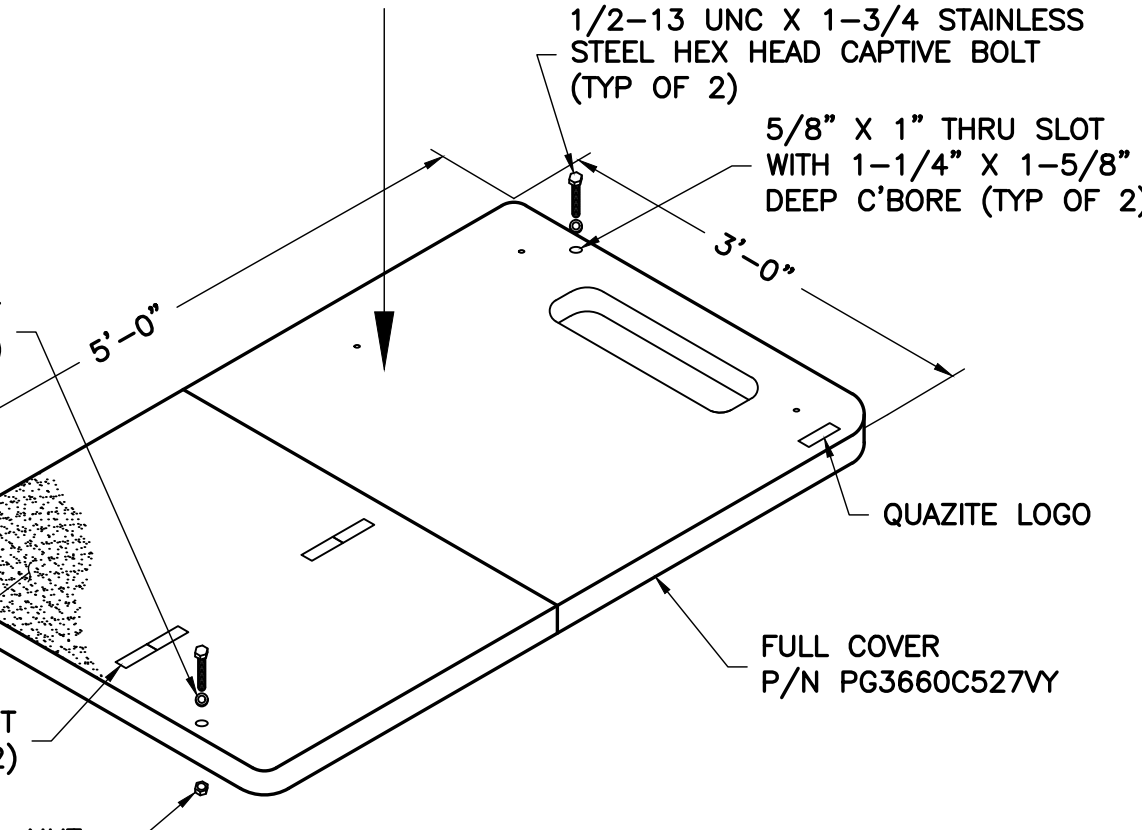
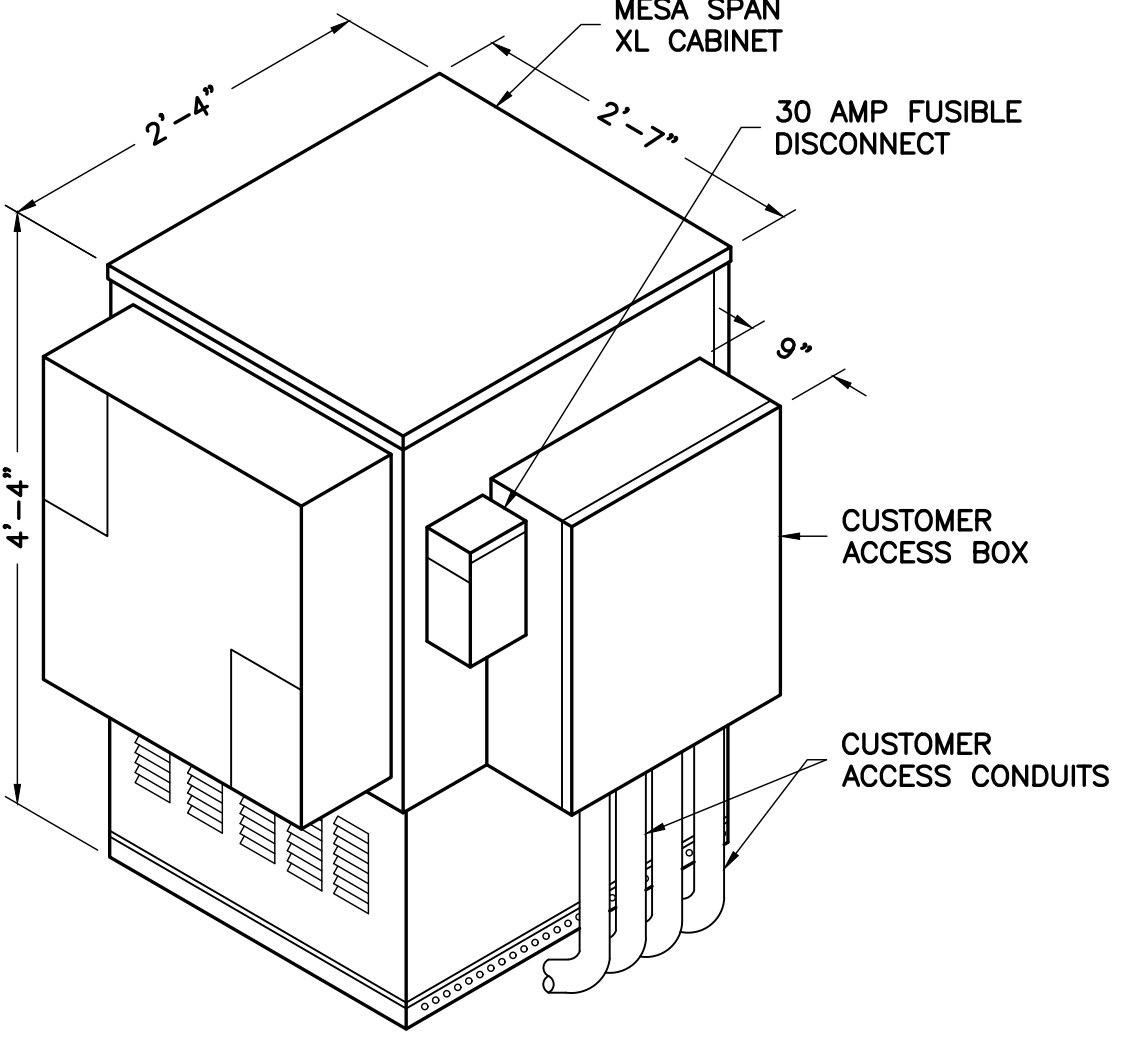
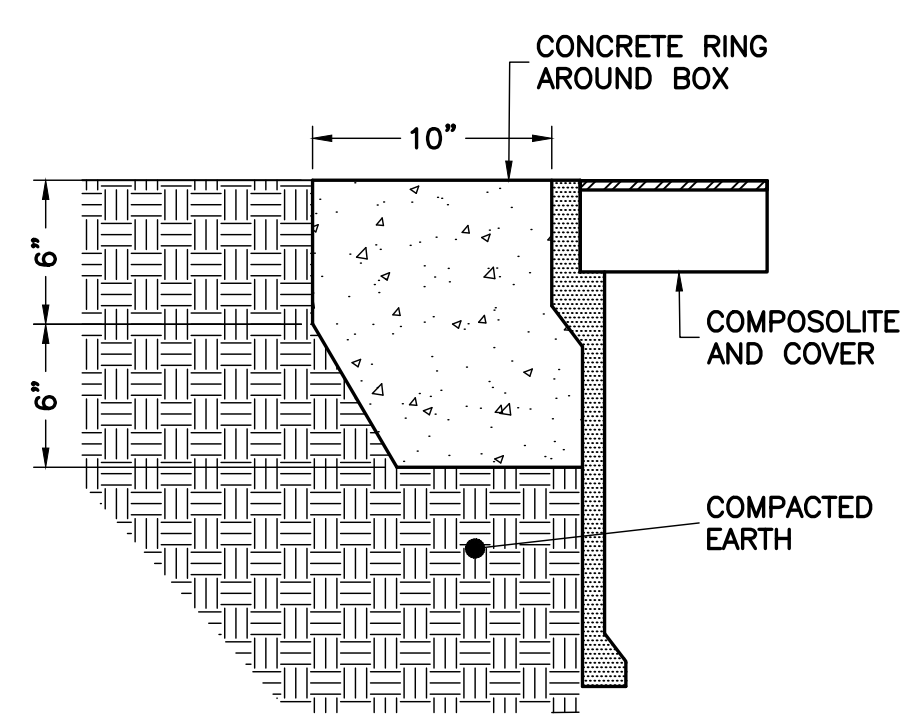


3 TYPICAL GATE DETAIL
S-4 NTS

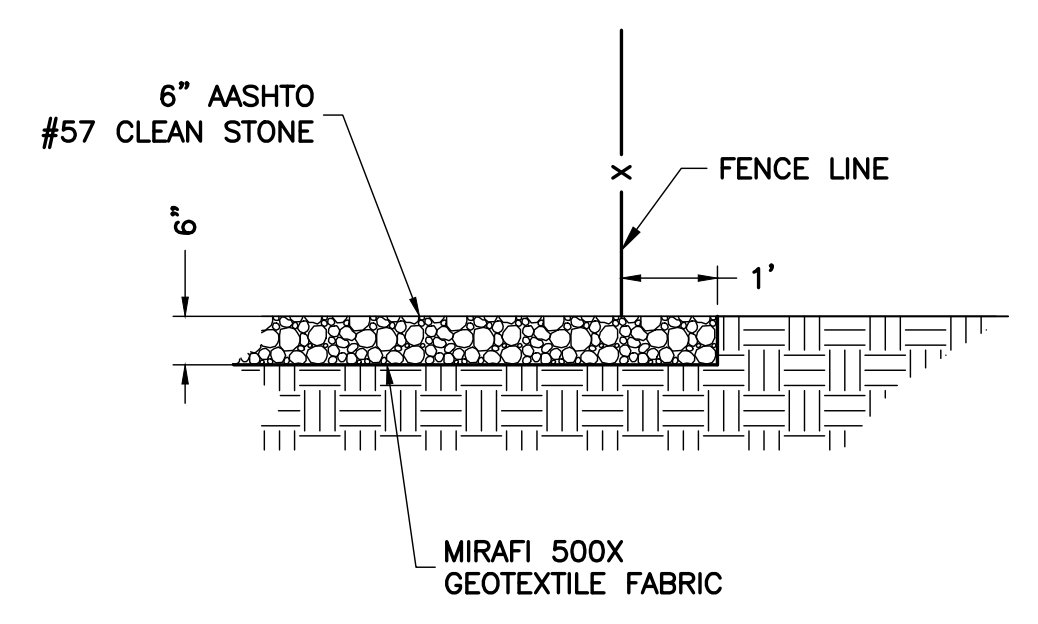


5 TYPICAL FENCE AND GATE DETAIL
S-4 NTS

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



4 MESA CABINET DETAIL
S-4 NTS



6 GRAVEL COMPOUND DETAIL
S-4 NTS

ENGINEER

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 4435 WATERFRONT DRIVE, SUITE 100
 GLEN ALLEN, VA 23060
 804-548-4079

APPLICANT

1831 RADY COURT
 RICHMOND, VA 23222

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PROFESSIONAL STAMP

ENGINEER

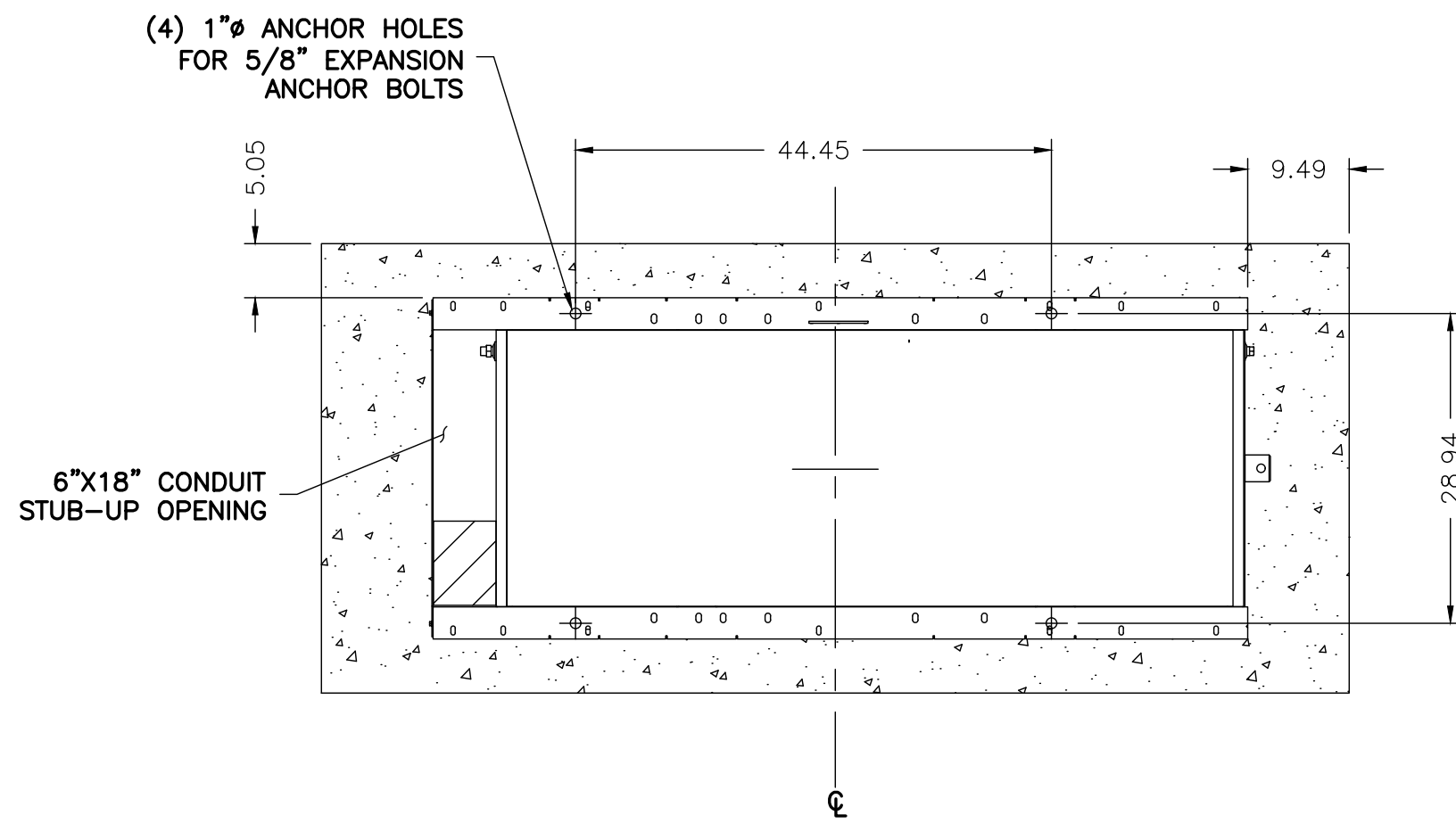
JOHN A. DAUGHTREY III, P.E.
 VA PROFESSIONAL ENGINEER LIC. #052122

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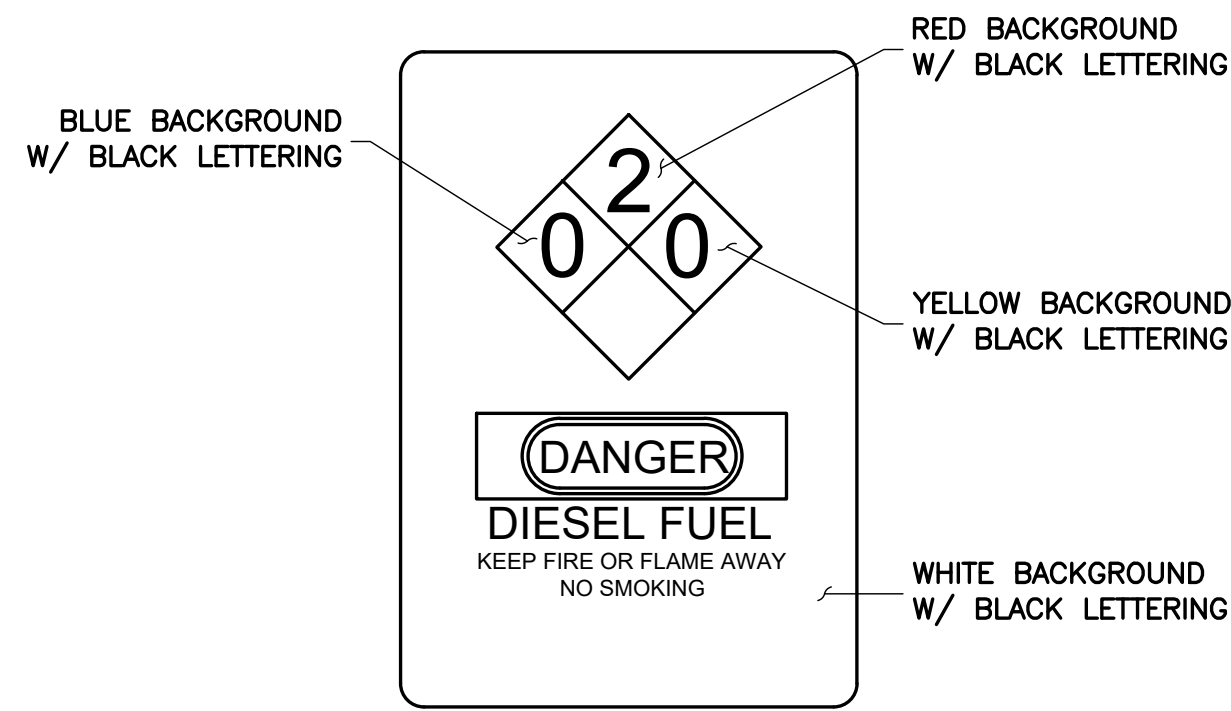
**CONSTRUCTION
 DETAILS**

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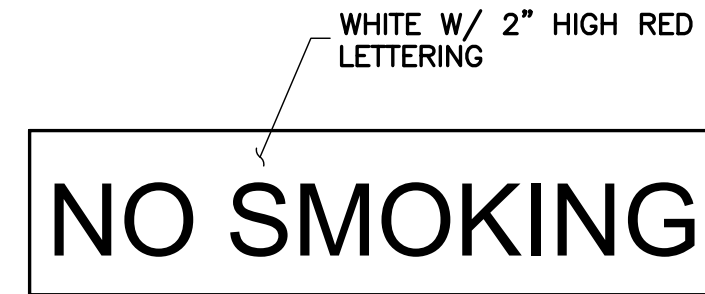
S-4



1 GENERATOR PLACEMENT ON CONCRETE PAD
S-5 NTS



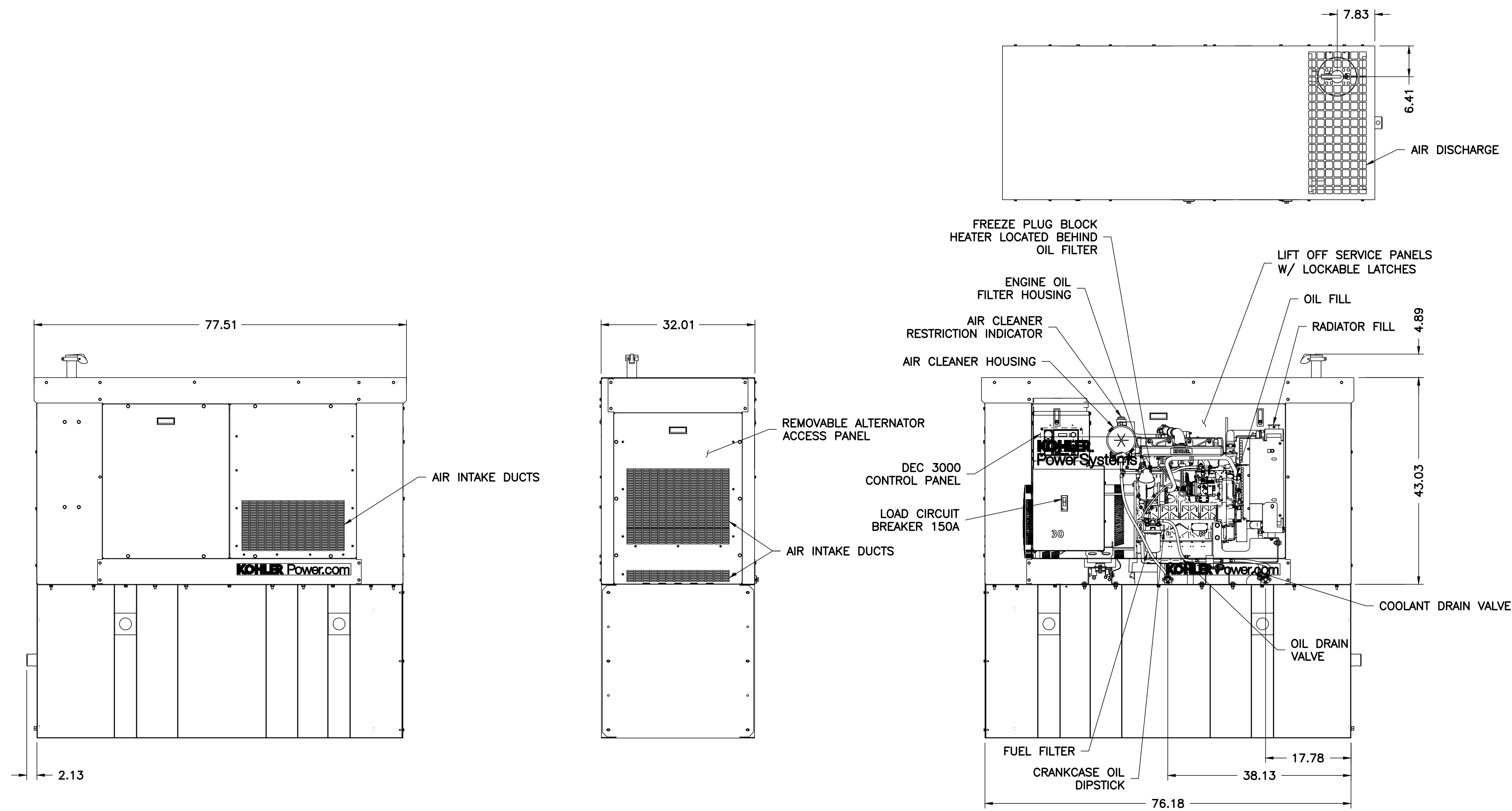
2 SIGNAGE DETAIL
S-5 NTS



3 SIGNAGE DETAIL
S-5 NTS



4 SIGNAGE DETAIL
S-5 NTS



5 KOHLER 30KW VERIZON DIESEL GENERATOR DETAIL
S-5 NTS

ENGINEER

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804-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

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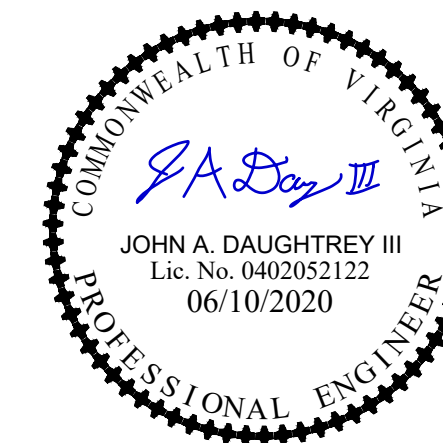
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PROFESSIONAL STAMP



ENGINEER

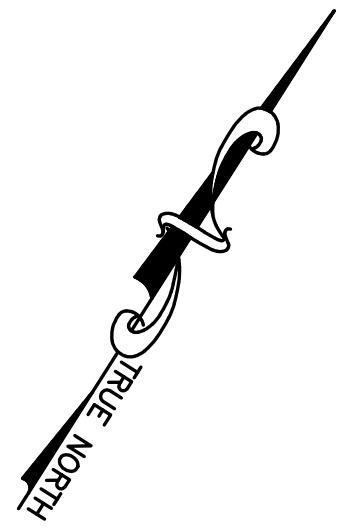
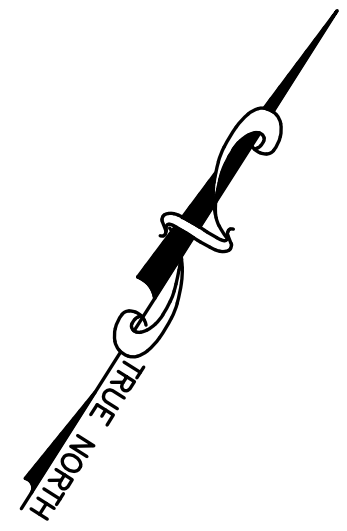
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

GENERATOR
DETAILS

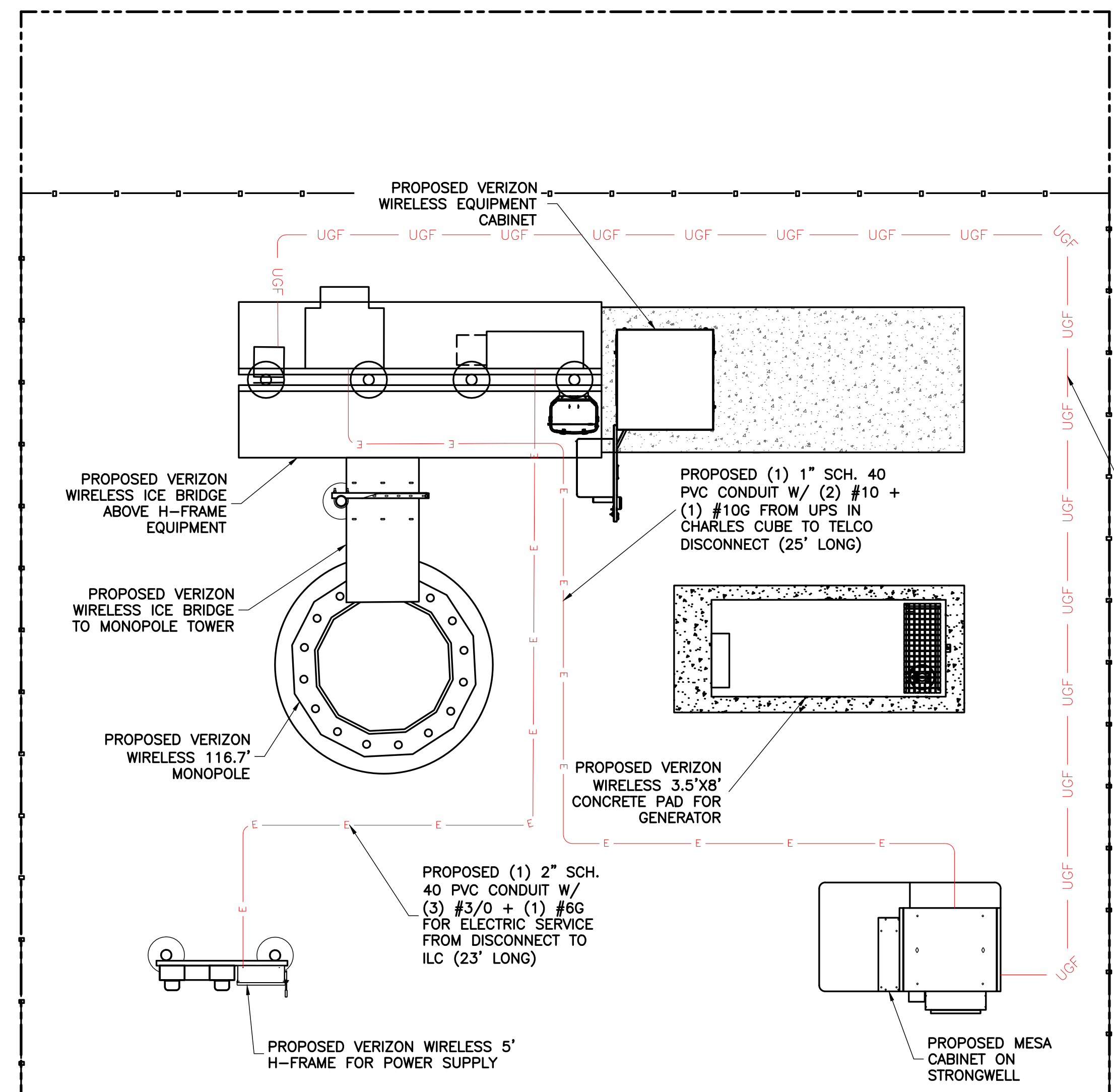
SHEET NUMBER

S-5

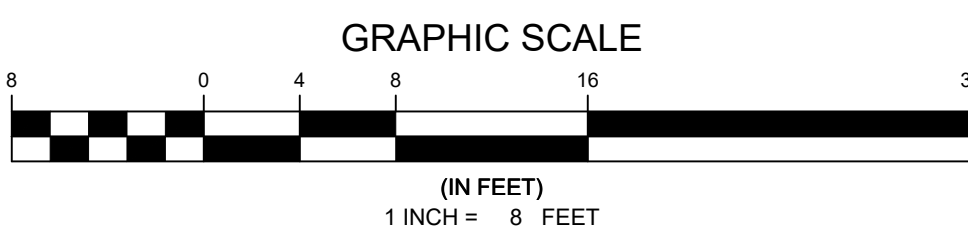


NOTE:
CONSTRUCTION MANAGER & UTILITY COORDINATOR TO ORDER POWER & TELCO SERVICES AT ONSET OF CONSTRUCTION.

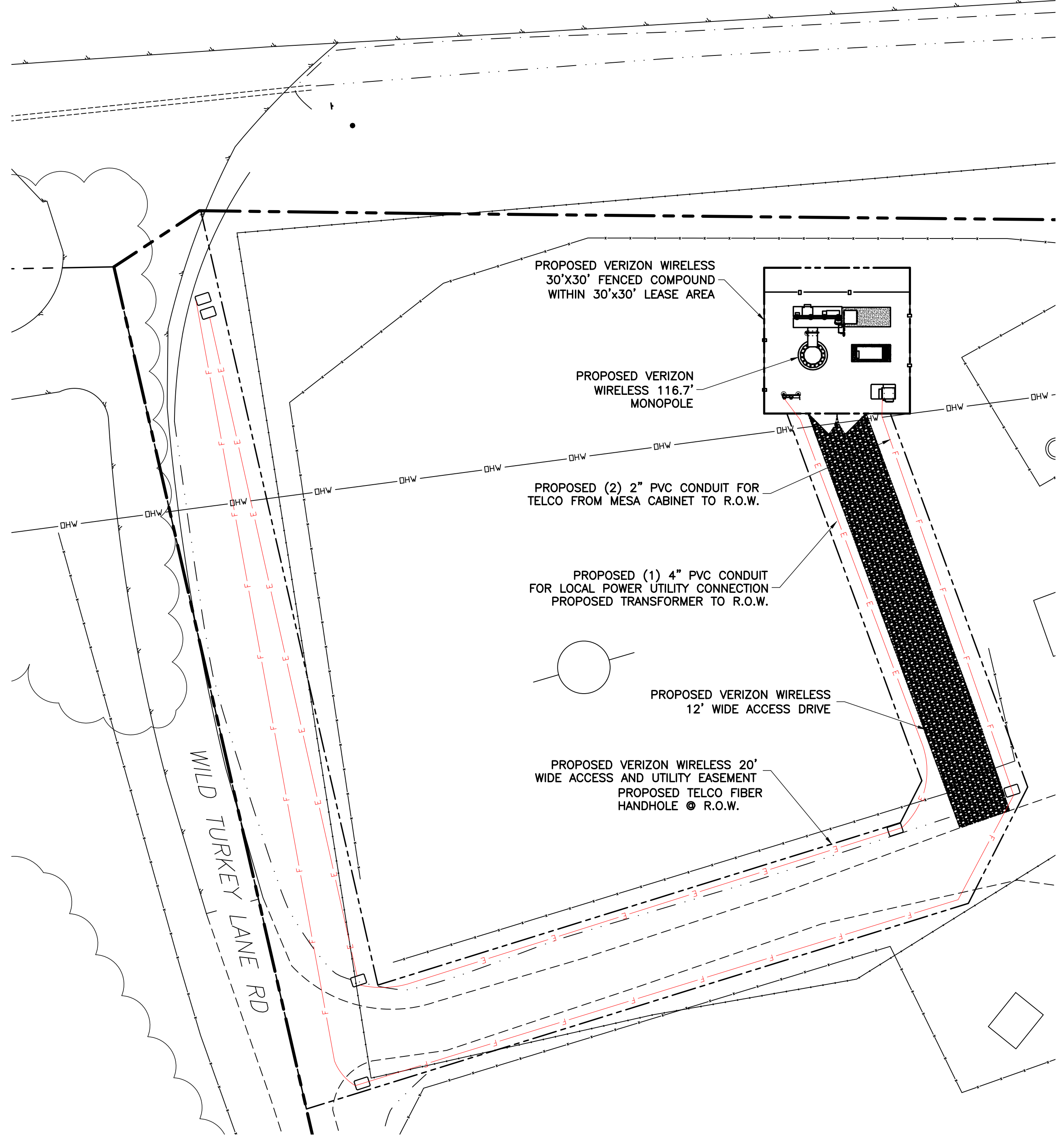
ROCKFISH GAP TURNPIKE (STATE RT 250)



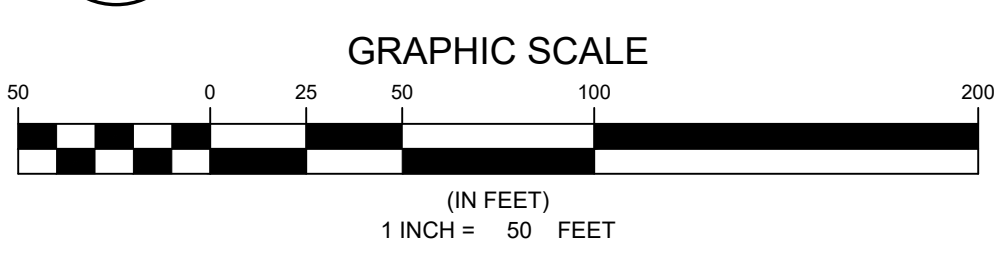
1 ELECTRICAL PLAN
SCALE: 1" = 8'



THE EXISTING UTILITY INFORMATION SHOWN REPRESENTS THE BEST DATA AVAILABLE FROM EXISTING DOCUMENTATION AND FIELD EVIDENCE. ALL LOCATIONS SHOULD BE CONSIDERED APPROXIMATE, AND A FIELD INVESTIGATION MUST BE PERFORMED IN THE VICINITY OF ANY CONSTRUCTION ACTIVITIES. NOTE THAT THESE PLANS MAY NOT SHOW ALL UTILITIES THAT ARE PRESENT AT THE SITE.



2 OVERALL ELECTRICAL PLAN
SCALE: 1" = 50'



ENGINEER



NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT



1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

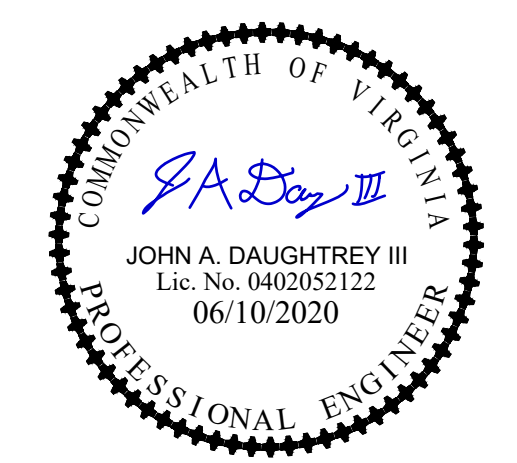
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CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

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PROFESSIONAL STAMP



ENGINEER

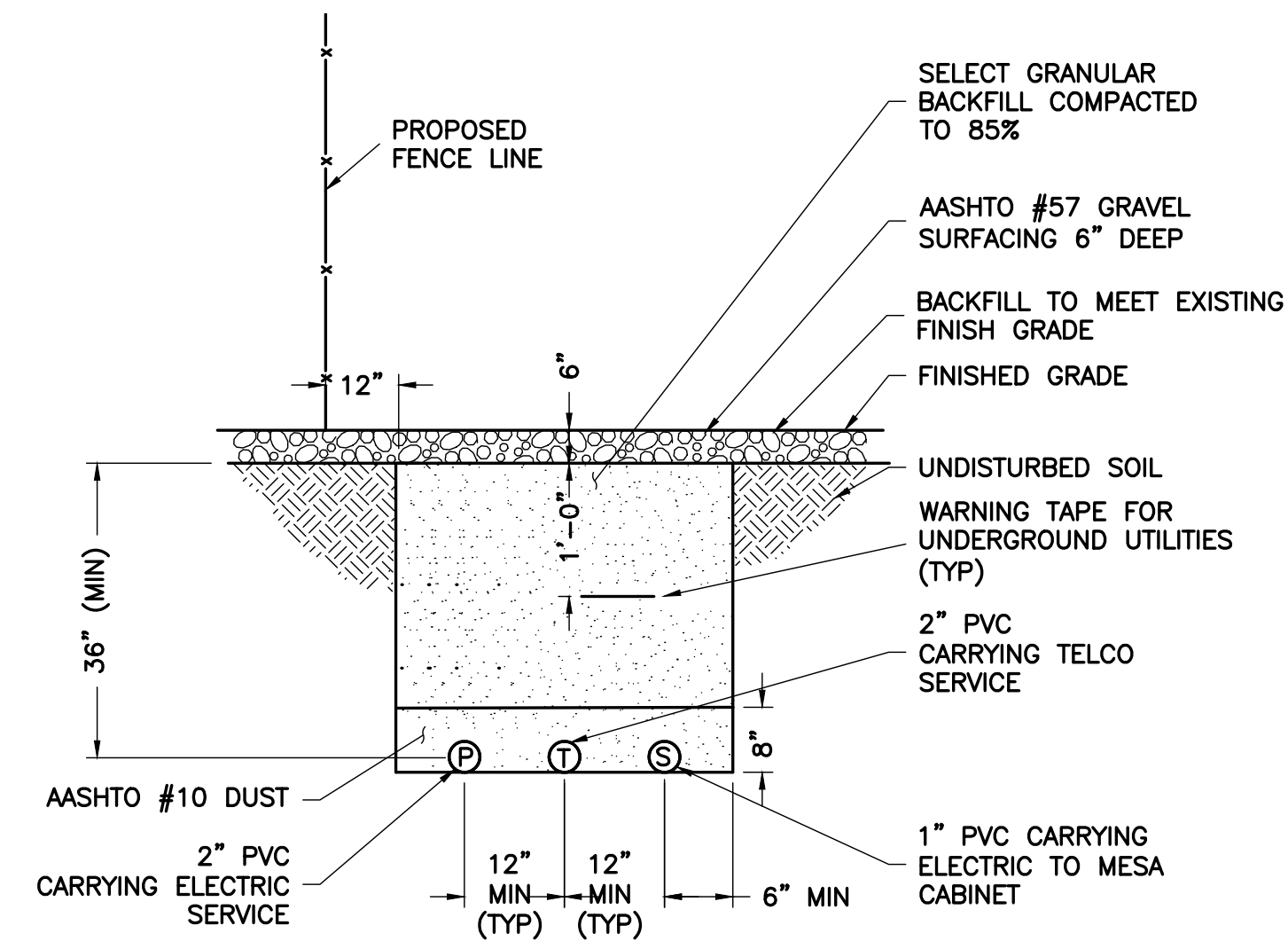
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

ELECTRICAL PLAN & DETAILS

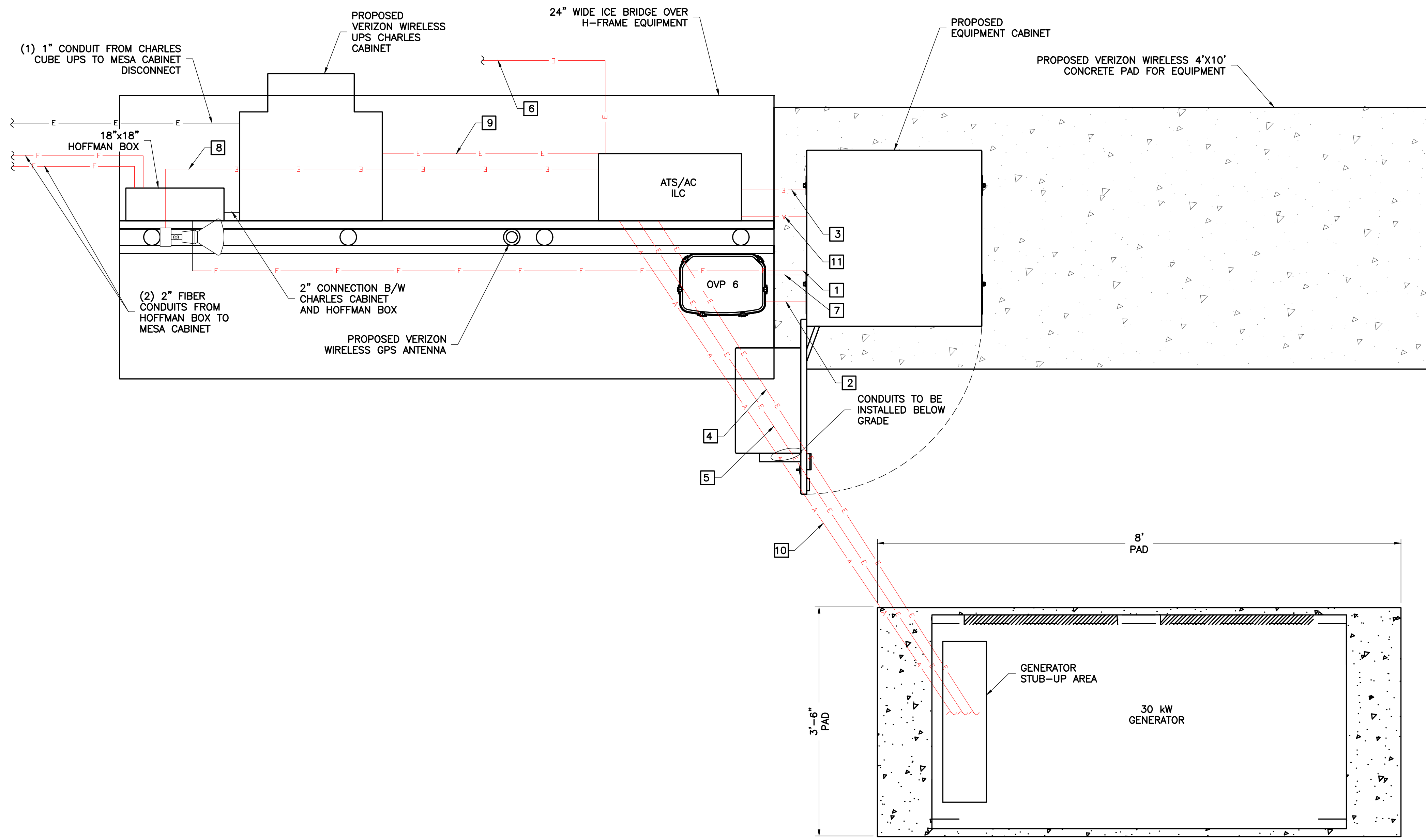
SHEET NUMBER

E-1

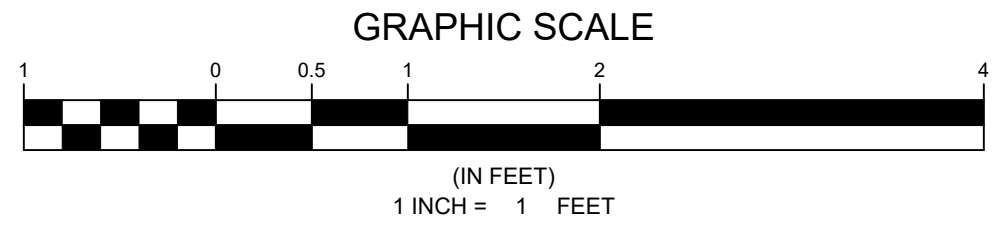


NOTE:
1. EXCAVATE EXISTING SUBGRADE AS REQUIRED TO INSTALL CONDUITS IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.

1 TYPICAL TRENCH DETAIL
E-2 NTS



2 ELECTRICAL PLAN
E-2 SCALE: 1" = 1'



NOTES:
1. WHEN EQUIPMENT FRAME IS INSTALLED ADJACENT TO CABINET PAD, INTERCONNECTING CONDUITS SHALL BE INSTALLED AT OR ABOVE GRADE.
2. BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IS NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.

EQUIPMENT CONDUIT SCHEDULE

- FIBER CONDUITS
- (1) 2" SCH. 40 PVC CONDUIT W/ MULETAPE FROM HOFFMAN BOX TO THE EQUIPMENT CABINET
 - (1) 1-1/2" LMFC FOR FIBER & ALARM FROM EQUIPMENT CABINET TO OVP-1
- AC POWER CONDUITS
- (4) 1" CONDUIT W/ (8) #10 + (1) #10G FROM THE ILC TO THE EQUIPMENT CABINET FOR (4) 30 AMP 2-POLE CIRCUITS. 1 OF THE 4 CONDUITS TO HOUSE (2) #12 + (1) #10G FOR (1) 20A CABINET RECEPTACLE BREAKER.
 - (1) 1-1/2" CONDUIT W/ (3) #1/0 + (1) #6G FROM ILC TO GENERATOR
 - (1) 1" CONDUIT W/ (4) #12 + (1) #12G FROM ILC TO GENERATOR (GEN HEATER & BATTERY CHARGER)
 - (1) 2" CONDUIT W/ (3) #3/0 + (1) #6G FROM ILC TO METER/DISCONNECT
 - (1) 1-1/2" LMFC W/ (12) #6 (6 PAIRS) + (1) #6G FROM EQUIPMENT CABINET TO OVP
 - (1) 1" CONDUIT W/ (3) #12 + (1) #12G FROM ILC TO GFI RECEPTACLE/LIGHT
 - (1) 1" CONDUIT W/ (2) #10 + (1) #10G FROM ILC TO CHARLES CABINET
- ALARM/MISCELLANEOUS CONDUITS
- (1) 1" CONDUIT FROM ILC TO GENERATOR FOR GEN CONTROLS & ALARMS
 - (1) 1" CONDUIT FROM ILC TO EQUIPMENT CABINET FOR GEN & ILC ALARMS

ENGINEER

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PROFESSIONAL STAMP

ENGINEER

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

SHEET TITLE

CONDUIT ROUTING PLAN

SHEET NUMBER

E-2

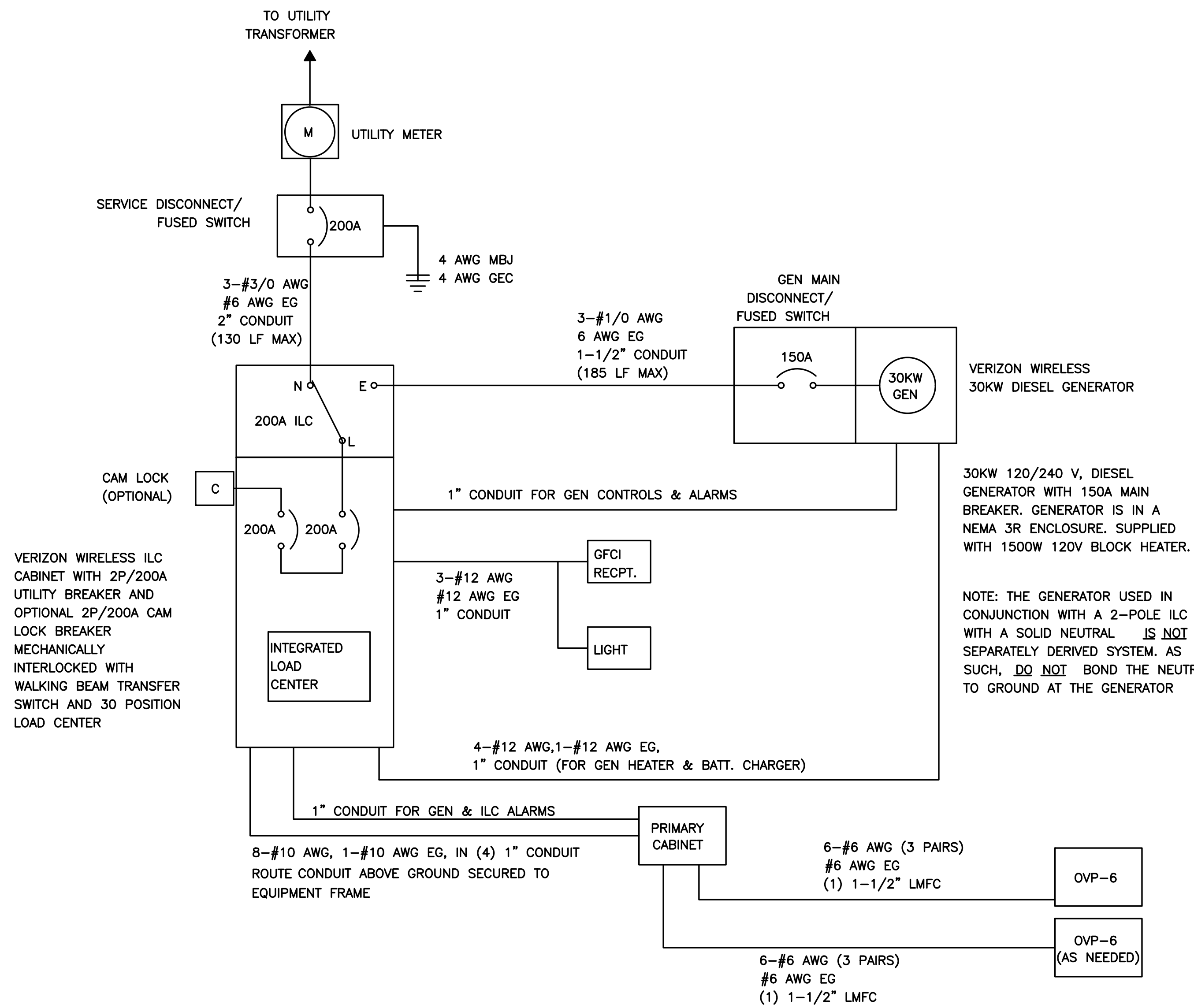


NOTE:
 PANEL SCHEDULE AND SINGLE LINE DIAGRAM REPRESENT A SITE WITH A NEW GE POWER PLANT, 30 KW DIESEL GENERATOR, AND TWO SOURCE ILC (THREE SOURCE ILC OPTIONAL AS NEEDED). ADJUST AS NECESSARY PER LOCAL SITE CONDITIONS

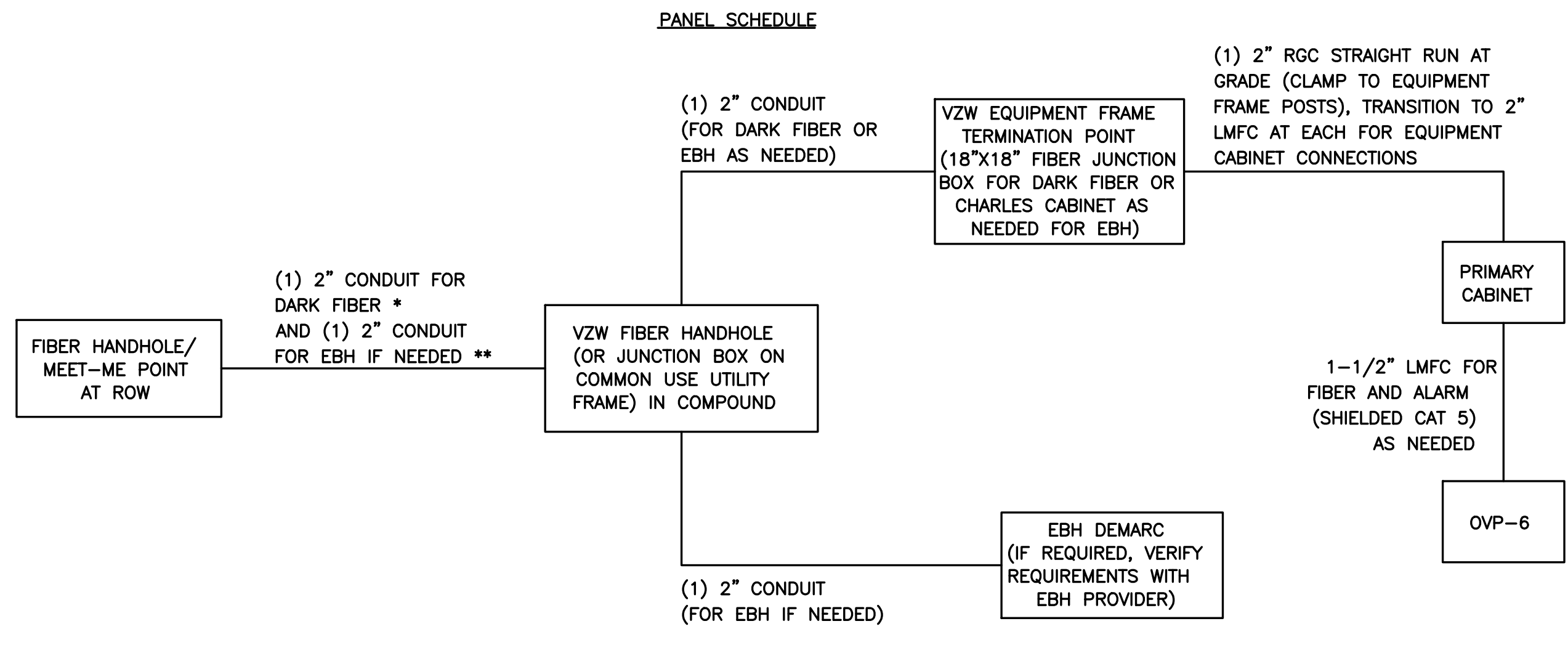
LOAD CALCULATION	
LOAD	AMPS
PROPOSED LOAD:	148.0
TOTAL DEMAND:	148.0
VOLTAGE: 120/240V SINGLE PHASE 3W 200A	

PANEL NAME:		VZV ILC		MODEL NUMBER:		ASCO D300L SERIES									
RATED VOLTAGE:		240	120	VOLTS		PHASE/WIRE:		1	3						
MAIN BREAKER:		200	AMPS		BUS RATING:		200		KEY DOOR LATCH:		YES				
MOUNT:		SURFACE		NEUTRAL BAR:		YES		HENGED DOOR:		YES					
ENCLOSURE TYPE:		NEMA 3R		AIC:		65K									
POS	USAGE FACTOR	BUS AMPS		LOAD	POLES	AMPS	L1	L2	AMPS	POLES	LOAD	BUS AMPS		USAGE FACTOR	POS
		L1	L2									L1	L2		
1	1	18		RECTIFIER	2	30A			30A	2	FUTURE RECTIFIER	18		1	2
3	1		18										18	1	4
5	1	18		RECTIFIER	2	30A			30A	2	FUTURE RECTIFIER	18		1	6
7	1		18										18	1	8
9	1	18		RECTIFIER	2	30A									10
11	1		18												12
13	1	18		RECTIFIER	2	30A									14
15	1		18												16
17	1.25	16		GFI RECEPT. / LIGHT	1	20A									18
19	1		16	BLOCK HEATER	1	20A									20
21	1	16		BATT. CHARGER	1	20A									22
23	1		24	UPS RECEPT	1	30A									24
25															26
27															28
29															30
		104	112	:SUB TOTAL AMPS						SUB TOTAL AMPS:		36	36		
										FACTORED TOTAL AMPS:		140	148		

NOTES:
 1. ALL CONDUCTORS ARE TYPE THWN (75°C) COPPER.
 2. MAXIMUM LENGTH OF RUN FOR RECTIFIER CIRCUITS IS 50FT.
 3. ASCO INTEGRATED LOAD CENTER INCLUDES 200 AMP MAIN DISCONNECT AND TRANSFER SWITCH FOR PORTABLE OR PERMANENT GENERATOR.
 4. RECTIFIER LOADS ARE CONSIDERED TO BE NON-CONTINUOUS.
 5. IF ADDITIONAL FUTURE LOADS ARE ADDED WHICH CAUSE TOTAL DEMAND TO EXCEED GENERATOR BREAKER SIZE, BACKUP POWER SYSTEM SHALL BE EVALUATED AND UPGRADED AS NECESSARY.



NOTES:
 1. ALL EQUIPMENT SHALL BE NEMA 3R RATED.
 2. ALL EQUIPMENT SHALL BE LIGHTNING PROTECTED IN ACCORDANCE WITH TIA-222-G AND VERIZON WIRELESS STANDARDS.
 3. CONDUCTOR SIZES AND DISTANCES HAVE BEEN SIZED FOR 3% MAX VOLTAGE DROP (TOTAL SYSTEM VOLTAGE DROP ON BOTH FEEDERS AND BRANCH CIRCUITS TO THE FARTHEST DEMAND SHALL NOT EXCEED 5%).
 4. WIRE SIZING AND MAXIMUM DISTANCE FROM GENERATOR TO ILC ASSUMES POWER FACTOR OF 0.9.
 5. BELOW GRADE CONDUIT SHALL BE SCHEDULE 80 PVC. ABOVE GRADE CONDUIT SHALL BE GALVANIZED RIGID CONDUIT. BELOW GRADE PVC CONDUIT SHALL TRANSITION TO GRC PRIOR TO RISING ABOVE GRADE. ALL BENDS SHALL HAVE A MINIMUM 24" RADIUS. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. VERIFY CONDUIT TYPE WITH LOCAL CONSTRUCTION MANAGER AND ADJUST IF NECESSARY. ALL CONDUIT SHALL MEET NEC, STATE, AND LOCAL CODE REQUIREMENTS AS REQUIRED.



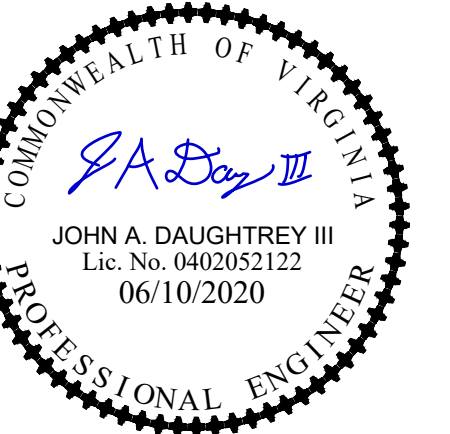
NOTES:
 * ADD (1) ADDITIONAL 2" CONDUIT FOR DARK FIBER (2 TOTAL) IF REQUIRED BY LOCAL MARKET FACILITIES, VERIFY PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)
 ** VERIFY EBH REQUIREMENTS WITH TELCO PROVIDER PRIOR TO CONSTRUCTION. (ADD 2 PULL STRINGS TO EACH CONDUIT)



WILD TURKEY
 WILD TURKEY LANE
 CHARLOTTESVILLE, VA 22903
 ALBEMARLE COUNTY

REVISIONS

REV	DATE	DESCRIPTION	BY
6	06/10/20	REVISED	CT
5	04/20/20	REVISED	CCC
4	03/09/20	REVISED	PJP
3	02/24/20	REVISED	PJP
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0	10/30/19	PRELIMINARY CD	LJS



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

PANEL SCHEDULE & ONE-LINE (DIESEL OPTION)

E-3

ELECTRICAL NOTES

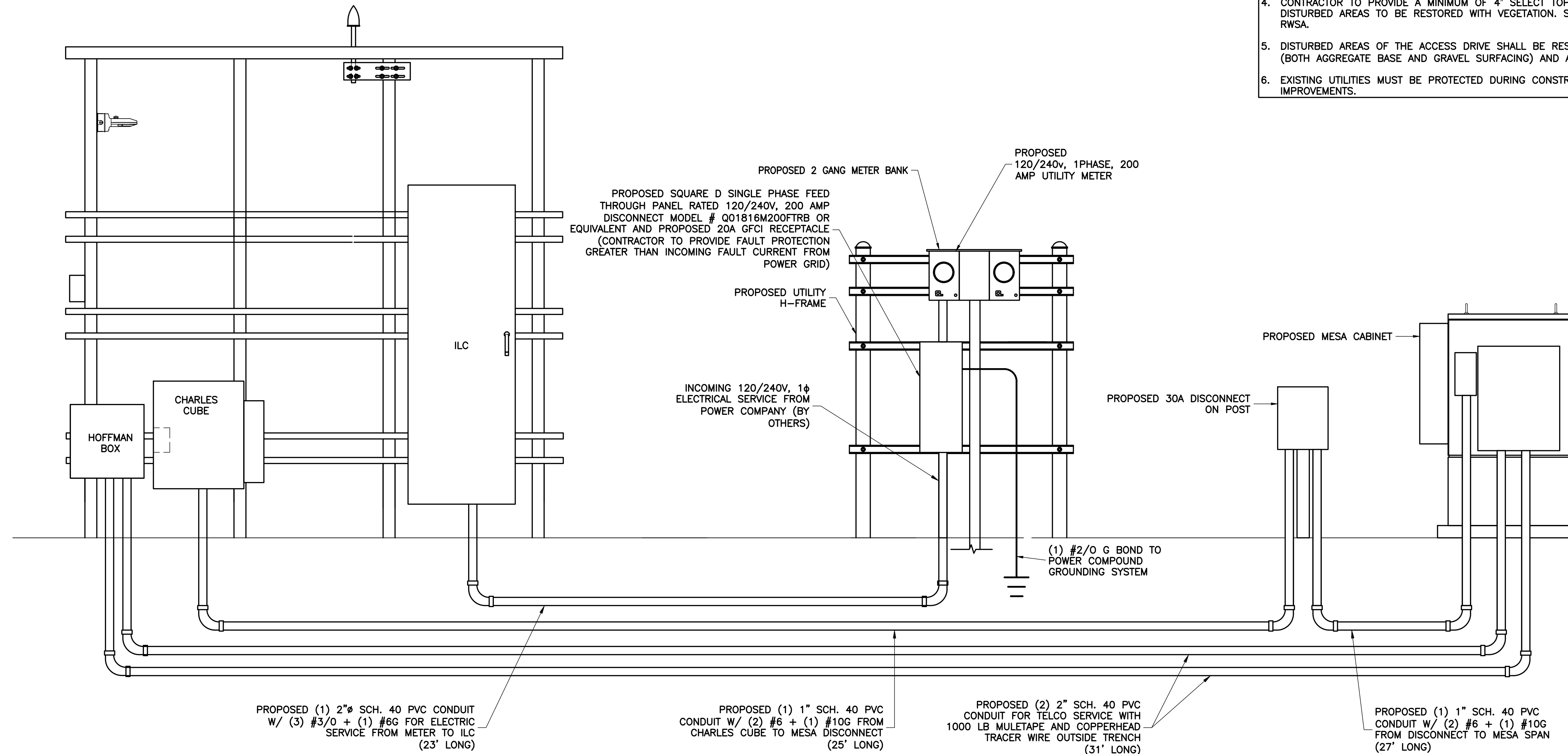
- SUBMITTAL OF BID INDICATES THAT THE CONTRACTOR IS COGNIZANT OF ALL JOB SITE CONDITIONS AND WORK TO BE PERFORMED UNDER THIS CONTRACT.
- CONTRACTOR SHALL PERFORM ALL VERIFICATIONS, OBSERVATION TESTS, AND EXAMINATION WORK PRIOR TO ORDERING OF ANY EQUIPMENT AND THE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ISSUE A WRITTEN NOTICE OF ALL FINDINGS TO THE PROJECT MANAGER LISTING ALL MALFUNCTIONS, FAULTY EQUIPMENT AND DISCREPANCIES.
- VERIFY HEIGHTS WITH PROJECT MANAGER PRIOR TO INSTALLATION.
- THESE PLANS ARE DIAGRAMMATIC ONLY, FOLLOW AS CLOSELY AS POSSIBLE.
- CONTRACTOR SHALL COORDINATE ALL WORK BETWEEN TRADES AND ALL OTHER SCHEDULING AND PROVISIONARY CIRCUMSTANCES SURROUNDING THE PROJECT.
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, INSURANCE, EQUIPMENT, INSTALLATION CONSTRUCTION TOOLS, TRANSPORTATION, ETC., FOR COMPLETE AND FUNCTIONALLY OPERATING SYSTEMS ENERGIZED AND READY FOR USE THROUGHOUT AS INDICATED ON DRAWINGS, AS SPECIFIED HEREIN AND/OR AS OTHERWISE REQUIRED.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND IN PERFECT CONDITION WHEN INSTALLED AND SHALL BE OF THE BEST GRADE AND OF THE SAME MANUFACTURER THROUGHOUT FOR EACH CLASS OR GROUP OF EQUIPMENT. ELECTRICAL MATERIALS SHALL BE LISTED AND APPROVED BY UNDERWRITER'S LABORATORIES AND SHALL BEAR THE INSPECTION LABEL "J" WHERE SUBJECT TO SUCH APPROVAL. MATERIALS SHALL MEET WITH APPROVAL OF ALL GOVERNING BODIES HAVING JURISDICTION OVER THE CONSTRUCTION. MATERIALS SHALL BE MANUFACTURED IN ACCORDANCE WITH ALL CURRENT APPLICABLE STANDARDS ESTABLISHED BY ANSI, NEMA AND NBFU. ALL MATERIALS AND EQUIPMENT SHALL BE APPROVED FOR THEIR INTENDED USE AND LOCATION.
- ALL WORK SHALL COMPLY WITH ALL APPLICABLE GOVERNING STATE, COUNTY AND CITY CODES AND OSHA, NFPA, NEC & ASHRAE REQUIREMENTS.
- ENTIRE JOB SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR AFTER THE DATE OF JOB ACCEPTANCE. ALL WORK, MATERIAL AND EQUIPMENT FOUND TO BE FAULTY DURING THAT PERIOD SHALL BE CORRECTED AT ONCE, UPON WRITTEN NOTIFICATION, AT THE EXPENSE OF THE CONTRACTOR.
- PROPERLY SEAL ALL PENETRATIONS. PROVIDE UL LISTED FIRE-STOPS WHERE PENETRATIONS ARE MADE THROUGH FIRE-RATED ASSEMBLIES. WATER-TIGHT USING SILICONE SEALANT.
- DELIVER ALL BROCHURES, OPERATING MANUALS, CATALOGS AND SHOP DRAWINGS TO THE PROJECT MANAGER AT JOB COMPLETION. PROVIDE MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT. AFFIX MAINTENANCE LABELS TO MECHANICAL EQUIPMENT.

- ALL CONDUCTORS SHALL BE COPPER. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG., UNLESS OTHERWISE NOTED. CONDUCTORS SHALL BE TYPE THWN, RATED IN ACCORDANCE WITH NEC 110-14(C).
- ALL CIRCUIT BREAKERS, FUSES AND ELECTRICAL EQUIPMENT SHALL HAVE AN INTERRUPTING RATING NOT LESS THE MAXIMUM INTERRUPTING CURRENT TO WHICH THEY MAY BE SUBJECTED.
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE; ARTICLES 250 & 810 AND THE UTILITY COMPANY STANDARDS.
- CONDUIT:
 - RIGID CONDUIT SHALL BE U.L. LABEL GALVANIZED ZINC COATED WITH ZINC INTERIOR AND SHALL BE USED WHEN INSTALLED IN OR UNDER CONCRETE SLABS, IN CONTACT WITH THE EARTH, UNDER PUBLIC ROADWAYS, IN MASONRY WALLS OR EXPOSED ON BUILDING EXTERIOR. RIGID CONDUIT IN CONTACT WITH EARTH SHALL BE 1/2 LAPPED WRAPPED WITH HUNTS WRAP PROCESS NO. 3.
 - ELECTRICAL METALLIC TUBING SHALL HAVE U.L. LABEL, FITTINGS SHALL BE GLAND RING COMPRESSION TYPE. EMT SHALL BE USED ONLY FOR INTERIOR RUNS.
 - LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED AND SHALL BE USED AT FINAL CONNECTIONS TO MECHANICAL EQUIPMENT & RECTIFIERS AND WHERE PERMITTED BY CODE. ALL CONDUIT IN EXCESS OF SIX FEET IN LENGTH SHALL CONTAIN A FULL-SIZE GROUND CONDUCTOR.
 - CONDUIT RUNS SHALL BE SURFACE MOUNTED ON CEILINGS OR WALLS UNLESS NOTED OTHERWISE. ALL CONDUIT SHALL RUN PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, CEILING, OR BEAMS. VERIFY EXACT ROUTING OF ALL EXPOSED CONDUIT WITH THE PROJECT MANAGER PRIOR TO INSTALLING.
 - PVC CONDUIT MAY BE PROVIDED ONLY WHERE SHOWN, OR IN UNDERGROUND INSTALLATIONS. PROVIDE UV-RESISTANT CONDUIT WHERE EXPOSED TO THE ATMOSPHERE. PROVIDE GROUND CONDUCTOR IN ALL PVC RUNS; EXCEPT WHERE PERMITTED BY CODE TO OMIT.
- ALL ELECTRICAL EQUIPMENT SHALL BE LABELED WITH PERMANENT ENGRAVED PLASTIC LABELS. BACKGROUND SHALL BE BLACK WITH WHITE LETTERS; EXCEPT AS REQUIRED BY CODE TO FOLLOW A DIFFERENT SCHEME.

- UPON COMPLETION OF WORK, CONDUCT CONTINUITY, SHORT CIRCUIT, AND FALL OF POTENTIAL GROUNDING TESTS FOR APPROVAL. SUBMIT TEST REPORTS TO PROJECT MANAGER. GROUNDING SYSTEM RESISTANCE SHALL NOT EXCEED 5 OHMS. IF THE RESISTANCE VALUE IS EXCEEDED, NOTIFY THE PROJECT MANAGER FOR FURTHER INSTRUCTION ON METHODS FOR REDUCING THE RESISTANCE VALUE.
- CLEAN PREMISES OF ALL DEBRIS RESULTING FROM WORK AND LEAVE WORK IN A COMPLETE AND UNDAMAGED CONDITION. LEGALLY DISPOSE OF ALL REMOVED, UNUSED AND EXCESS MATERIAL GENERATED BY THE WORK OF THIS CONTRACT. DELIVER ITEMS INDICATED ON THE DRAWINGS TO THE OWNER IN GOOD CONDITION. OBTAIN SIGNED RECEIPT UPON DELIVERY.
- COORDINATE WITH UTILITY COMPANY FOR CONNECTION OF TEMPORARY AND PERMANENT POWER TO THE SITE. THE TEMPORARY POWER AND ALL HOOKUP COSTS SHALL BE PAID BY THE CONTRACTOR.
- VERIFY ALL EXISTING CIRCUITRY PRIOR TO REMOVAL AND NEW WORK. MAINTAIN POWER TO ALL OTHER AREAS & CIRCUITS NOT SCHEDULED FOR REMOVAL.
- RED LINED AS-BUILT PLANS SHALL BE PROVIDED TO THE CONSTRUCTION MANAGER.
- INDOOR CONDUCTORS SHALL BE INSTALLED IN EMT UNLESS NOTED OTHERWISE. OUTDOOR CONDUCTORS SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT UNLESS NOTED OTHERWISE.
- NY SMSA TO PROVIDE SURGE SUPPRESSOR FOR TELCO BOARD SERVING NEW EQUIPMENT, THE SURGE SUPPRESSOR TO BE INSTALLED BY CONTRACTOR AND GROUNDED TO MGB.
- SEAL AROUND PENETRATIONS RESULTING FROM CONDUIT ROUTING WITH FIRE- STOPPING FOAM SEALANT HAVING A UL-LISTED RATING OF 2 HOURS. HAMMER-DRILLING IS NOT PERMITTED. CORE-DRILLING TO BE COORDINATED WITH BUILDING OWNER'S REPRESENTATIVE.
- PROVIDE (2) FUSES OF SIZE RECOMMENDED BY CONDENSING UNIT MANUFACTURER.
- PROVIDE SMOKE DETECTOR COMPATIBLE WITH EXISTING BUILDING FIRE ALARM SYSTEM. TIE TO LOCAL ZONE. COORDINATE WITH BUILDING OWNER'S FIRE ALARM SYSTEM CONTRACTOR. PROVIDE SENTROL 449CRT PHOTOELECTRIC SMOKE DETECTOR WITH AUXILIARY RELAY FOE ACU-1 SHUTDOWN.
- PROVIDE GENERATOR CONNECTOR RECEPTACLE AND ENCLOSED CIRCUIT BREAKER IN LOCATION SUITABLE FOR PORTABLE GENERATOR ACCESS. COORDINATE WITH BUILDING OWNER FOR EXACT LOCATION. PAINT TO MATCH EXISTING WALL COLOR.
- PROVIDE ALARM TERMINAL CABINET HIGH/LOW ALARMS MOUNTED ON TELCO BOARD.
- PROVIDE DOOR ALARM CONTACT.

NOTES:

- DUE TO EXISTING UTILITIES IN THE AREA, ALL TRENCHING IS TO BE DUG BY HAND.
- SITE SHALL BE SCRAPED TO A DEPTH OF 3" MINIMUM TO REMOVE VEGETATIVE MATTER. EXCESS MATERIAL GENERATED FROM SCRAPING ACTIVITIES SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
- EXCAVATION MATERIAL SHALL BE USED FOR SURFACE GRADING AS NECESSARY; EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF OFF-SITE.
- CONTRACTOR TO PROVIDE A MINIMUM OF 4" SELECT TOPSOIL BORROW AND SEED TO ALL DISTURBED AREAS TO BE RESTORED WITH VEGETATION. SEED MIX SHALL BE APPROVED BY THE RWSA.
- DISTURBED AREAS OF THE ACCESS DRIVE SHALL BE RESTORED TO ITS ORIGINAL CROSS-SECTION (BOTH AGGREGATE BASE AND GRAVEL SURFACING) AND APPROVED BY THE RWSA.
- EXISTING UTILITIES MUST BE PROTECTED DURING CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.



1
E-4 NTS **ELECTRICAL RISER DIAGRAM AND SERVICE ENTRANCE (SCHEMATIC)**

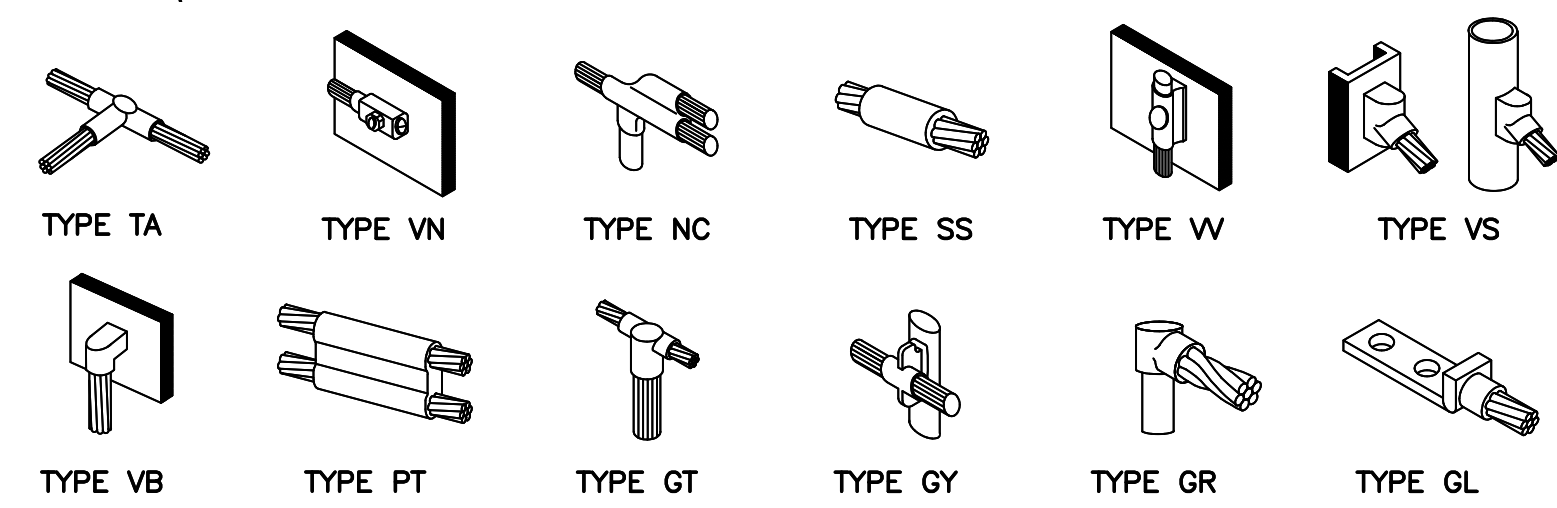
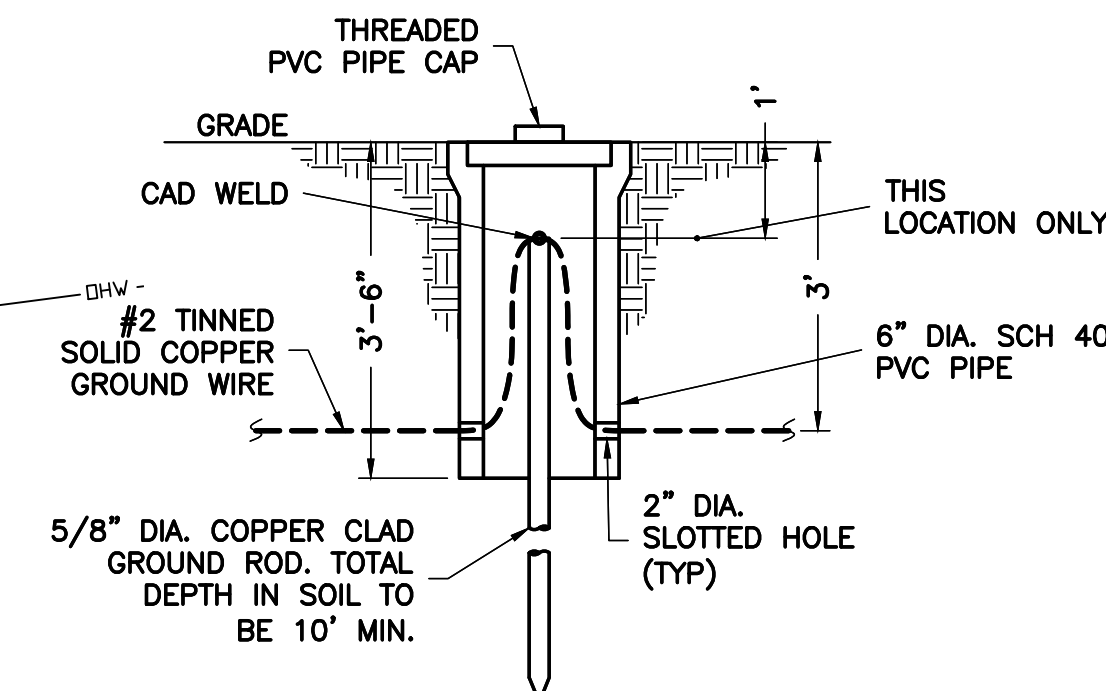
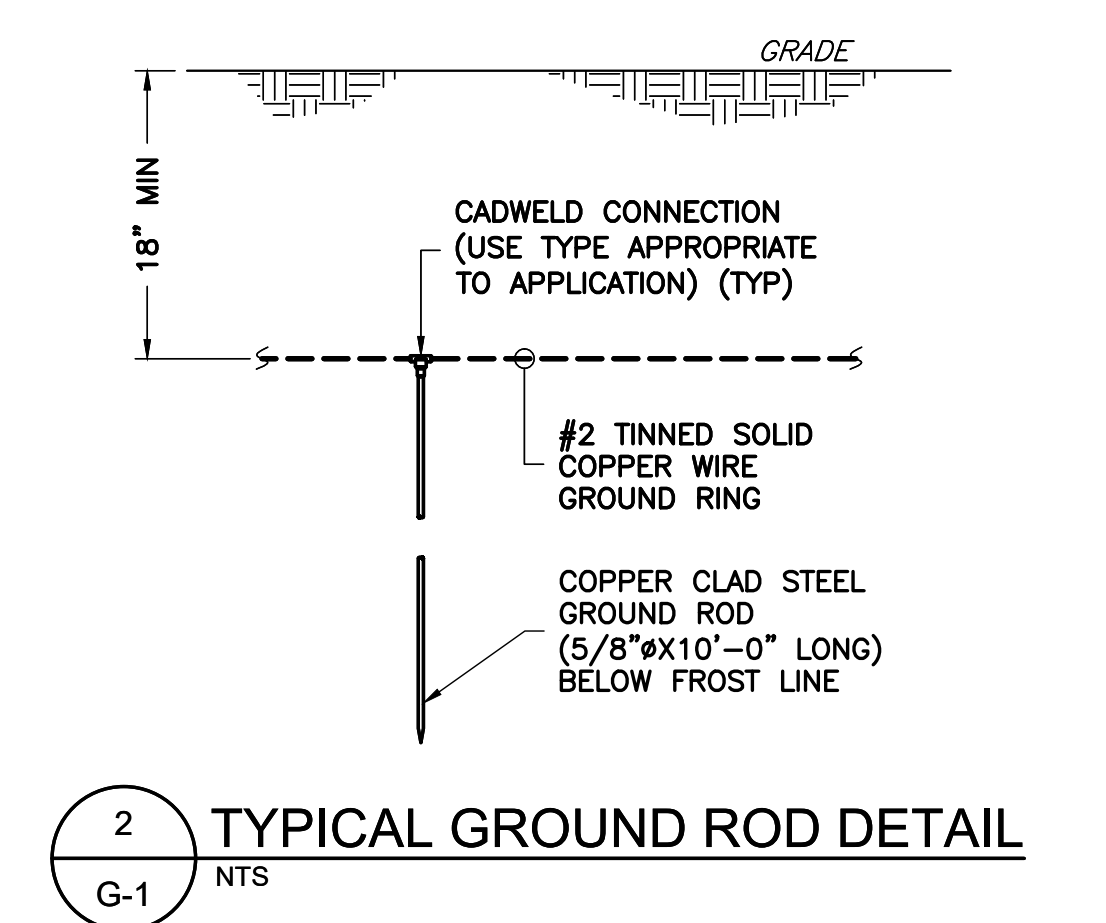
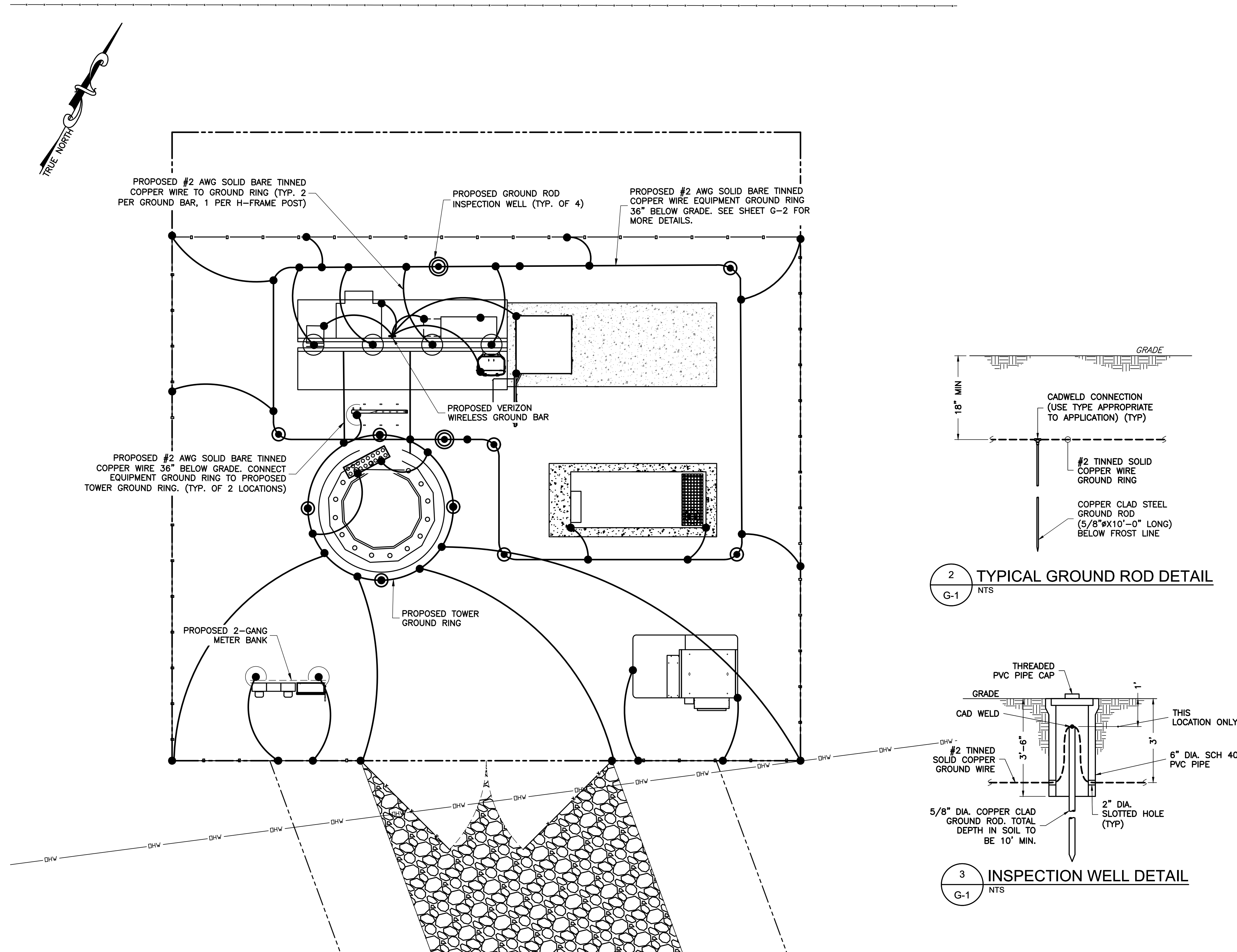


ENGINEER																																	
APPLICANT	<p>1831 RADY COURT RICHMOND, VA 23222</p>																																
SITE INFORMATION	<p>WILD TURKEY WILD TURKEY LANE CHARLOTTESVILLE, VA 22903 ALBEMARLE COUNTY</p>																																
DESIGN RECORD	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>06/10/20</td> <td>REVISED</td> <td>CT</td> </tr> <tr> <td>5</td> <td>04/20/20</td> <td>REVISED</td> <td>CCC</td> </tr> <tr> <td>4</td> <td>03/09/20</td> <td>REVISED</td> <td>PJP</td> </tr> <tr> <td>3</td> <td>02/24/20</td> <td>REVISED</td> <td>PJP</td> </tr> <tr> <td>2</td> <td>12/04/19</td> <td>REVISED</td> <td>CCC</td> </tr> <tr> <td>1</td> <td>11/18/19</td> <td>FINALS</td> <td>CCC</td> </tr> <tr> <td>0</td> <td>10/30/19</td> <td>PRELIMINARY CD</td> <td>LJS</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	6	06/10/20	REVISED	CT	5	04/20/20	REVISED	CCC	4	03/09/20	REVISED	PJP	3	02/24/20	REVISED	PJP	2	12/04/19	REVISED	CCC	1	11/18/19	FINALS	CCC	0	10/30/19	PRELIMINARY CD	LJS
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PROFESSIONAL STAMP																																	
ENGINEER	<p>JOHN A. DAUGHTREY III, P.E. VA PROFESSIONAL ENGINEER LIC. #052122</p>																																
SHEET TITLE	<p>ELECTRICAL RISER DIAGRAM & SERVICE ENTRANCE SCHEMATIC</p>																																
SHEET NUMBER	<p>E-4</p>																																

GROUNDING NOTES:

- GROUNDING SHALL COMPLY WITH ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE.
- ALL GROUNDING DEVICES SHALL BE U.L. APPROVED OR LISTED FOR THEIR INTENDED USE.
- ALL WIRES SHALL BE AWG THHN/THWN COPPER UNLESS NOTED OTHERWISE.
- GROUNDING CONNECTIONS TO GROUND RODS, GROUND RING WIRE, TOWER BASE AND FENCE POSTS SHALL BE EXOTHERMIC ("CADWELDS") UNLESS NOTED OTHERWISE. CLEAN SURFACES TO SHINY METAL. WHERE GROUND WIRES ARE CADWELDED TO GALVANIZED SURFACES, SPRAY CADWELD WITH GALVANIZING PAINT.
- GROUNDING CONNECTIONS TO GROUND BARS ARE TO BE TWO-HOLE BRASS MECHANICAL CONNECTORS WITH STAINLESS STEEL HARDWARE (INCLUDING SCREW SET) CLEAN GROUND BAR TO SHINY METAL. AFTER MECHANICAL CONNECTION, TREAT WITH PROTECTIVE ANTIOXIDANT COATING.
- GROUND COAXIAL CABLE SHIELDS AT BOTH ENDS WITH MANUFACTURER'S GROUNDING KITS.
- ROUTE GROUNDING CONDUCTORS THE SHORTEST AND STRAIGHTEST PATH POSSIBLE. BEND GROUNDING LEADS WITH A MINIMUM 12" RADIUS.
- INSTALL #2 AWG GREEN-INSULATED STRANDED WIRE FOR ABOVE GRADE GROUNDING AND #2 TINNED SOLID COPPER WIRE FOR BELOW GRADE GROUNDING UNLESS OTHERWISE NOTED.
- REFER TO GROUNDING PLAN FOR GROUND BAR LOCATIONS. GROUNDING CONNECTIONS SHALL BE EXOTHERMIC TYPE ("CADWELDS") TO ANTENNA MOUNTS AND GROUND RING. REMAINING GROUNDING CONNECTIONS SHALL BE COMPRESSION FITTINGS. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO-HOLE LUGS.
- THE GROUND ELECTRODE SYSTEM SHALL CONSIST OF DRIVEN GROUND RODS POSITION ACCORDING TO GROUNDING PLAN. THE GROUND RODS SHALL BE 5/8"x10"-0" COPPER CLAD STEEL INTERCONNECTED WITH #2 TINNED SOLID COPPER WIRE BURIED 36" BELOW GRADE. BURY GROUND RODS A MAXIMUM OF 15' APART, AND A MINIMUM OF 8' APART.
- IF ROCK IS ENCOUNTERED GROUND RODS SHALL BE PLACED AT AN OBLIQUE ANGLE NOT TO EXCEED 45°.
- EXOTHERMIC WELDS SHALL BE MADE IN ACCORDANCE WITH ERICO PRODUCTS BULLETIN A-A-T.
- CONSTRUCTION OF GROUND RING AND CONNECTIONS TO EXISTING GROUND RING SYSTEM SHALL BE DOCUMENTED WITH PHOTOGRAPHS PRIOR TO BACKFILLING SITE. PROVIDE PHOTOS TO THE VERIZON CONSTRUCTION MANAGER.
- ALL GROUND LEADS EXCEPT THOSE TO THE EQUIPMENT ARE TO BE #2 TINNED SOLID COPPER WIRE. ALL EXTERIOR GROUND BARS TINNED COPPER.
- PRIOR TO INSTALLING LUGS ON GROUND WIRES, APPLY THOMAS & BETTS KOPR-SHIELD (TM OF JET LUBE INC.). PRIOR TO BOLTING GROUND WIRE LUGS TO GROUND BARS, APPLY KOPR-SHIELD OR EQUAL.
- ENGAGE AN INDEPENDENT ELECTRICAL TESTING FIRM TO TEST AND VERIFY THAT IMPEDANCE DOES NOT EXCEED FIVE OHMS TO GROUND BY MEANS OF "FALL OF POTENTIAL TEST". TEST SHALL BE WITNESSED BY A VERIZON REPRESENTATIVE, AND RECORDED ON THE "GROUND RESISTANCE TEST" FORM.
- WHERE BARE COPPER GROUND WIRES ARE ROUTED FROM ANY CONNECTION ABOVE GRADE TO GROUND RING, INSTALL WIRE IN 3/4" PVC SLEEVE, FROM 1' BELOW GRADE AND SEAL TOP WITH SILICONE MATERIAL.
- PREPARE ALL BONDING SURFACES FOR GROUNDING CONNECTIONS BY REMOVING ALL PAINT AND CORROSION DOWN TO SHINY METAL. FOLLOWING CONNECTION, APPLY APPROPRIATE ANTI-OXIDIZATION PAINT.
- ANY SITE WHERE THE EQUIPMENT (BTS, CABLE BRIDGE, PPC, GENERATOR, ETC.) IS LOCATED WITHIN 6 FEET OF METAL FENCING, THE GROUND RING SHALL BE BONDED TO THE NEAREST FENCE POST USING (3) RUNS OF #2 BARE TINNED COPPER WIRE.

NOTE:
CONNECT ALL H-FRAME MOUNTED EQUIPMENT TO GROUND BAR



GROUNDING LEGEND

	COAXIAL CABLE SHIELD GROUND KIT CONNECTION
	COMPRESSION FITTING CONNECTION
	EXOTHERMIC WELD CONNECTION
	5/8"x10' COPPER-CLAD STEEL GROUND ROD
	5/8"x10' COPPER-CLAD STEEL GROUND ROD WITH INSPECTION WELL
	PROPOSED GROUND WIRING
	EXISTING GROUND WIRING
	TINNED COPPER GROUND BAR 1/4"x4"x12" OR 1/4"x4"x20"
	CGB COLLECTOR GROUND BAR
	MGB MAIN GROUND BAR

ENGINEER

NB+C
TOTALLY COMMITTED.

NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT

verizon

1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

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PROFESSIONAL STAMP

ENGINEER

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

SHEET TITLE

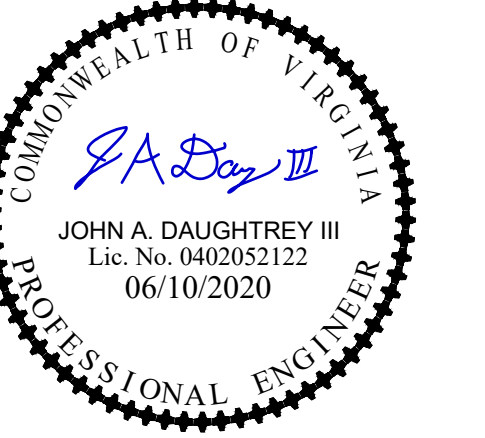
GROUNDING PLAN & DETAILS

SHEET NUMBER

G-1

REVISIONS

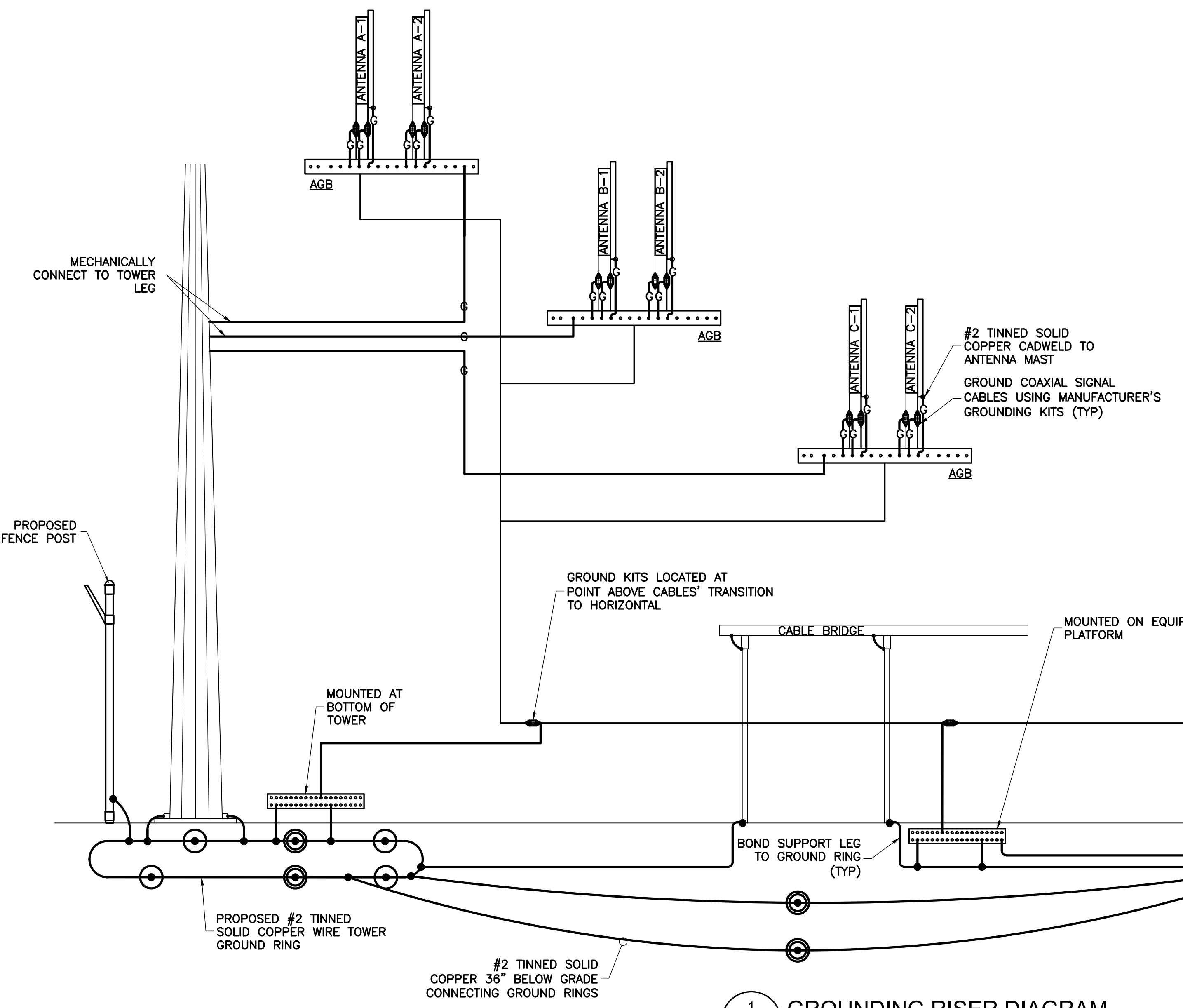
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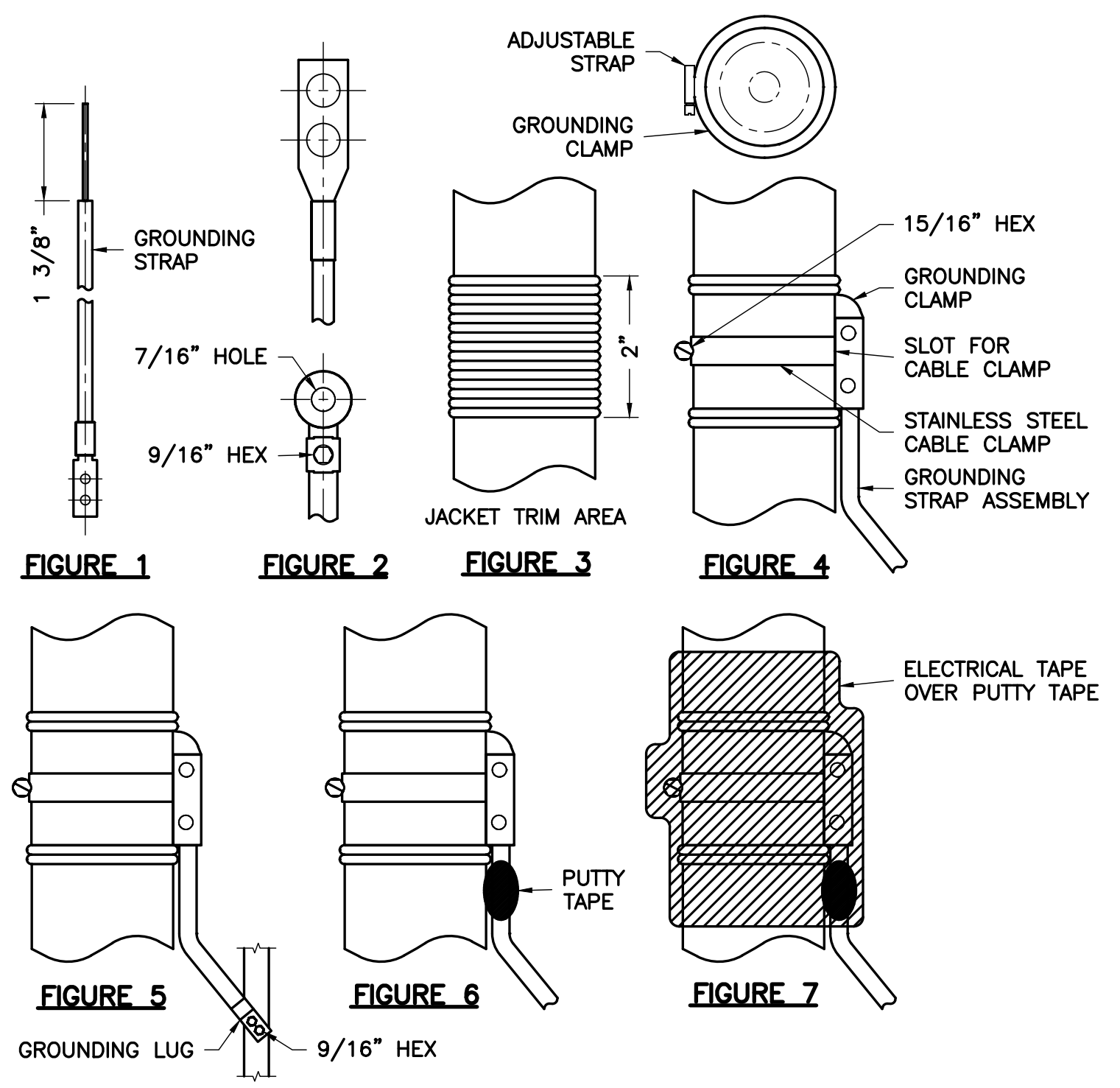
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

GROUNDING RISER DIAGRAM & DETAILS

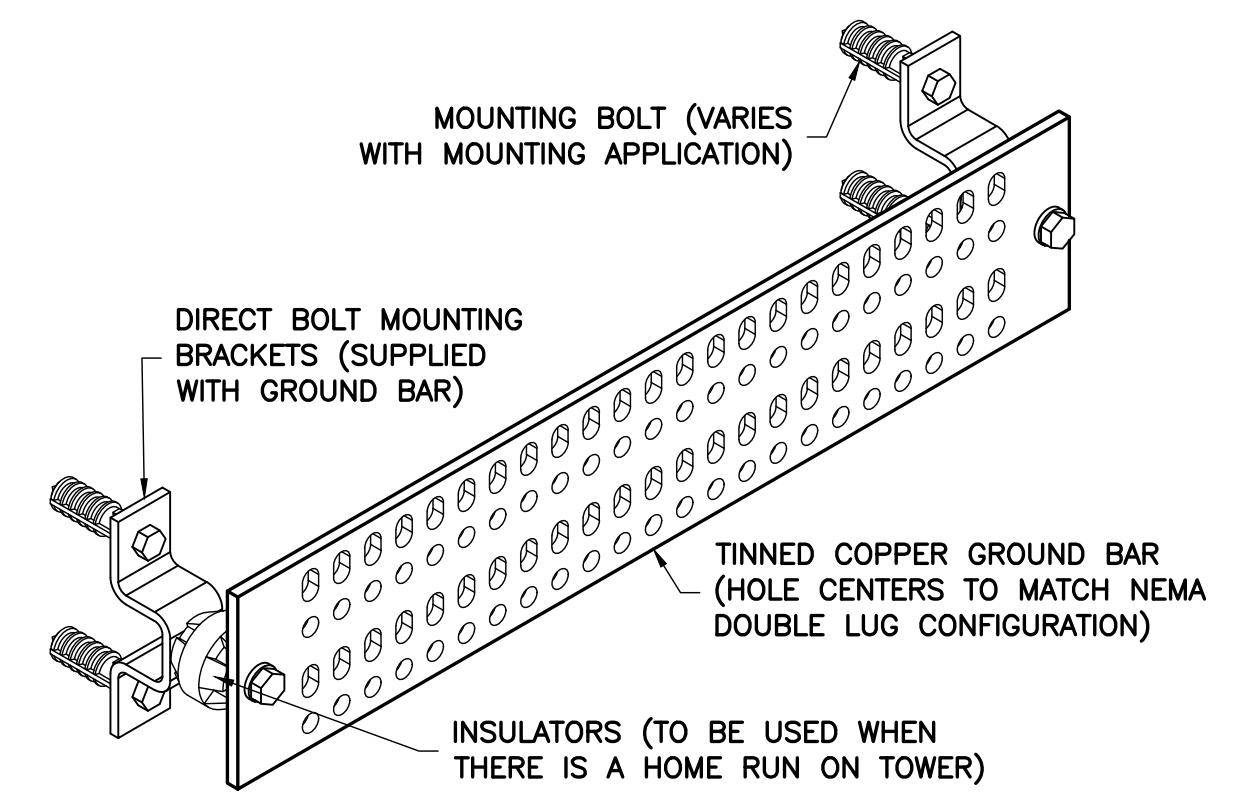
G-2



1 GROUNDING RISER DIAGRAM
G-2 NTS

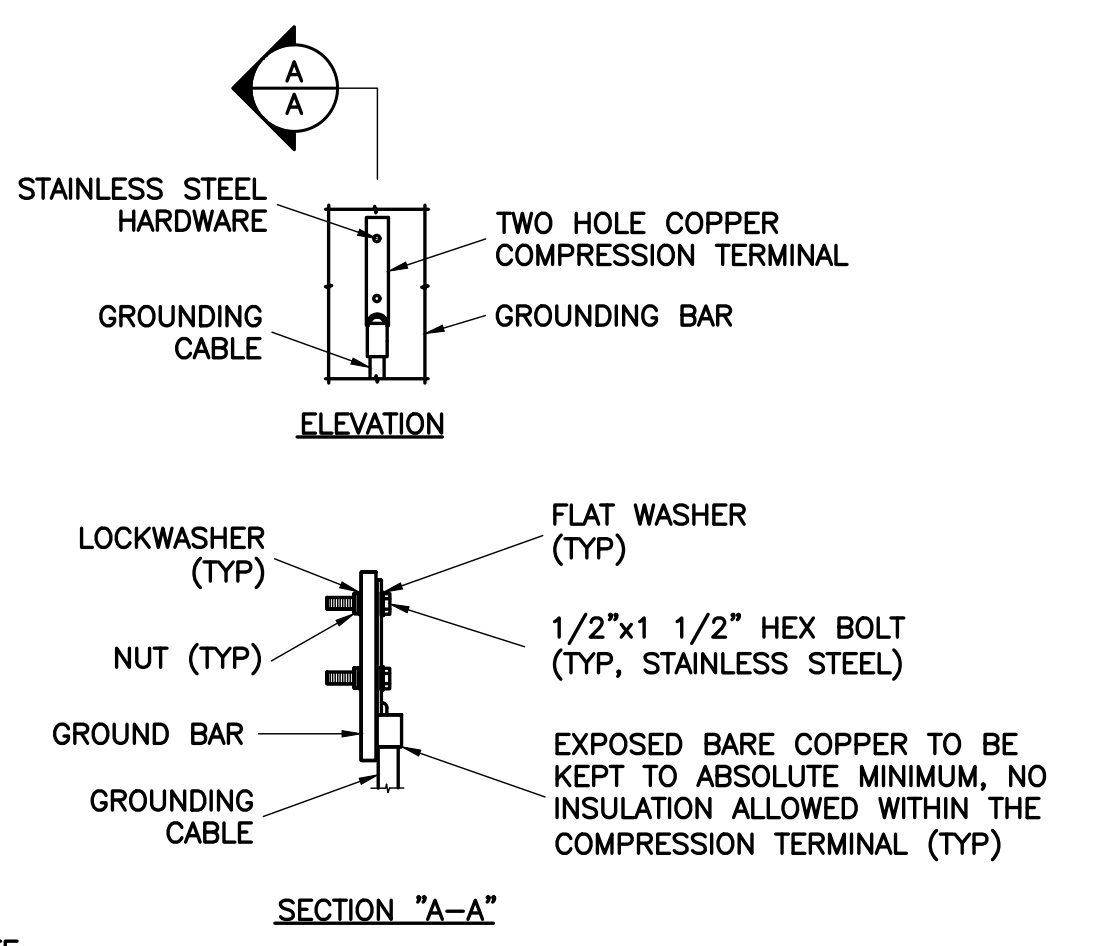


2 TYPICAL COAX WEATHERPROOFING DETAIL
G-2 NTS

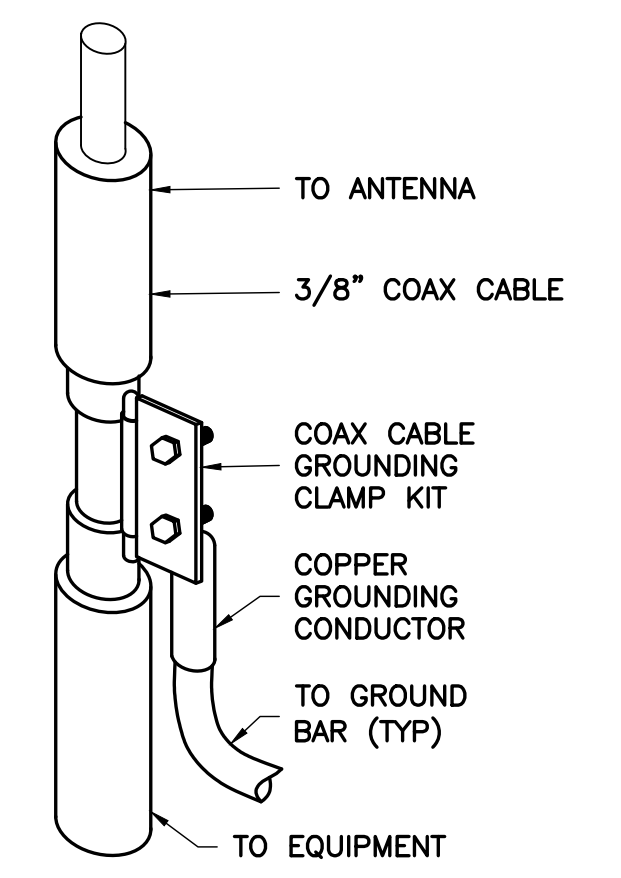


GROUND BAR SCHEDULE				
TYPE	QTY	MANUFACTURER	PART NO.	REMARKS
MGB	2	ANDREW	UGBKIT-0420-T	OR EQUAL
CBG	3	ANDREW	UGBKIT-0412	OR EQUAL

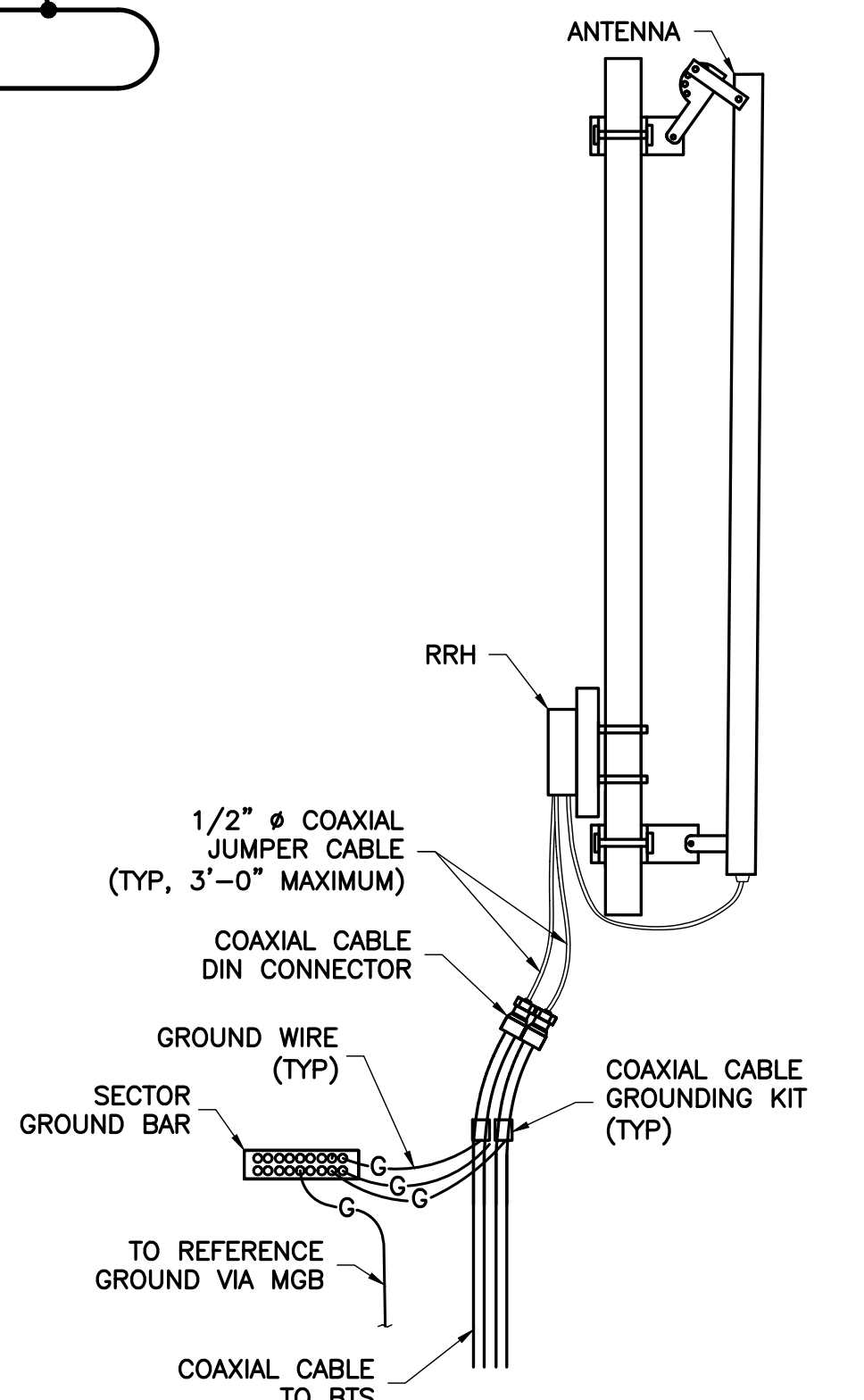
3 GROUND BAR DETAIL
G-2 NTS



4 TYPICAL GROUND BAR CONN DETAIL
G-2 NTS

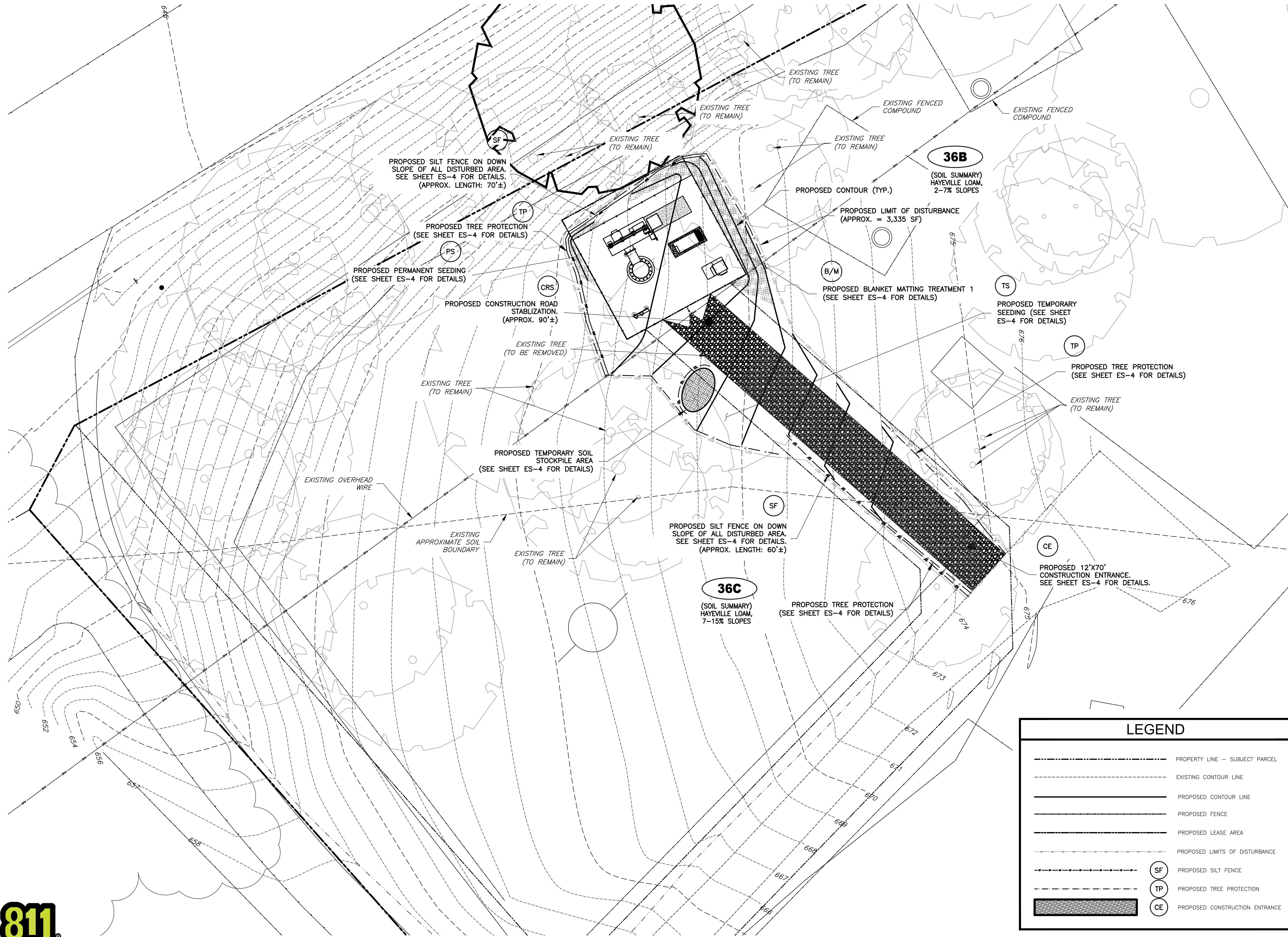


5 COAX CABLE GROUNDING DETAIL
G-2 NTS



6 ANTENNA GROUNDING DETAIL
G-2 NTS

NOTE:
1. "DOUBLING UP" OR "STACKING" OF CONNECTIONS IS NOT PERMITTED.
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.



ENGINEER



NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
804-548-4079

APPLICANT



1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

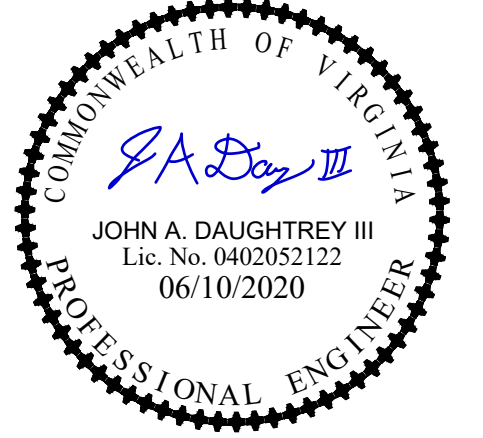
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PROFESSIONAL STAMP



ENGINEER

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VA PROFESSIONAL ENGINEER LIC. #052122

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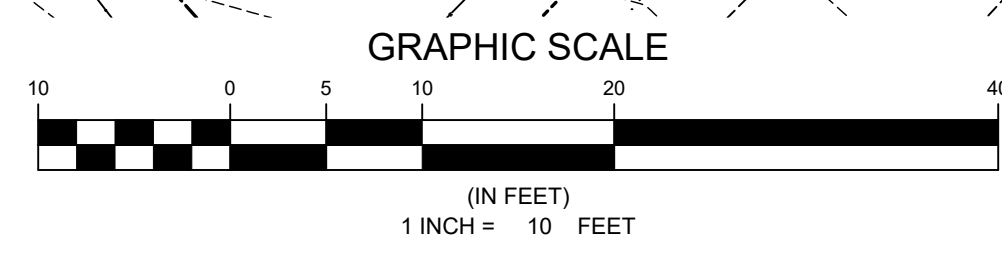
EROSION & SEDIMENT CONTROL & GRADING PLAN

SHEET NUMBER

ES-1

LEGEND

	PROPERTY LINE - SUBJECT PARCEL
	EXISTING CONTOUR LINE
	PROPOSED CONTOUR LINE
	PROPOSED FENCE
	PROPOSED LEASE AREA
	PROPOSED LIMITS OF DISTURBANCE
	PROPOSED SILT FENCE (SF)
	PROPOSED TREE PROTECTION (TP)
	PROPOSED CONSTRUCTION ENTRANCE (CE)

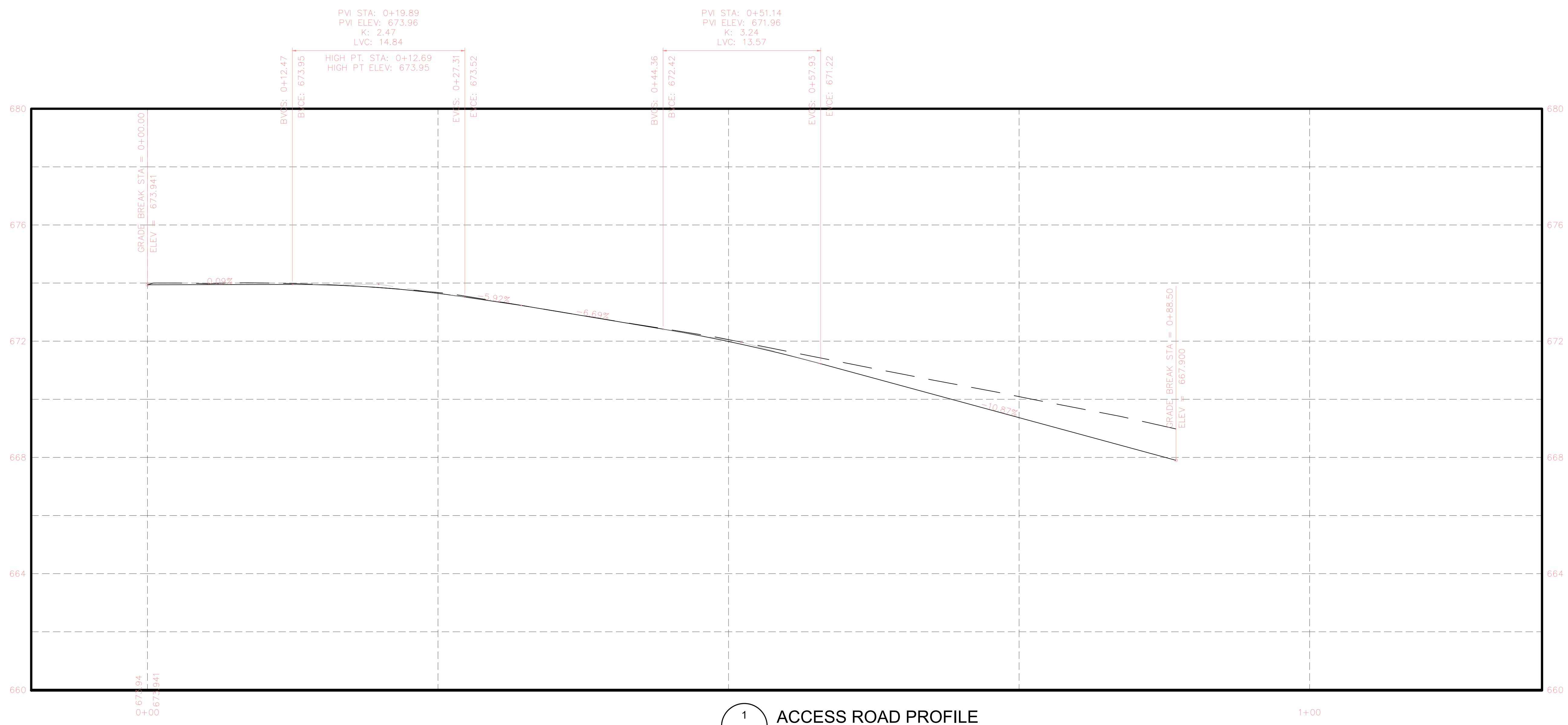


1 EROSION & SEDIMENT CONTROL PLAN
ES-1 SCALE: 1" = 10'-0"

STORM WATER RUNOFF CONSIDERATIONS
THE NATURAL DRAINAGE CONDITION FROM THE PROPOSED SITE WILL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE. ALL DRAINAGE FROM THE DISTURBED AREA WILL BE IN SHEET FLOW, THUS SATISFYING MINIMUM STANDARD 19.



Know what's below.
Call before you dig.



1 ACCESS ROAD PROFILE
ES-2

ENGINEER

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



ENGINEER

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

SHEET TITLE

ACCESS ROAD
PROFILE

SHEET NUMBER

ES-2

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION
 THE PURPOSE OF THIS PROJECT IS THE CONSTRUCTION OF A MONOPOLE TOWER, 90' LONG ACCESS ROAD AND FENCED COMPOUND, ALONG WITH ASSOCIATED UTILITIES. THE LEASE AREA OF THE TOWER IS 900 SF.; THE COMPOUND AREA IS 750 SF.; THE TOTAL DISTURBED AREA IS 3,335 S.F. OF WHICH 1,840 S.F. WILL BE COVERED WITH A GRAVEL SURFACE AND THE REMAINING 1,495 S.F. WILL BE MANAGED TURF.

EXISTING SITE CONDITIONS
 THE SITE HAS (2) EXISTING MONOPOLES AND ASSOCIATED FACILITIES. THE PROPOSED POLE AND COMPOUND WILL JUST TO THE SOUTH WEST. THE LAND SLOPES AT DOWN 10% FROM AN EXISTING ACCESS ROAD TO THE PROPOSED LOCATION BEFORE DROPPING OF AT A RATE OF 62% DOWN TO ROCKFISH GAP TURNPIKE. OUR PROPOSED COMPOUND SITS ON TOP OF A SMALL 25' RIDGE ABOVE ROCKFISH GAP TURNPIKE. THE ACCESS ROAD AND COMPOUND IS PRIMARILY OPEN SPACE WITH FEW TREES.

ADJACENT AREAS
 THE ADJACENT AREAS ARE MAINLY UNDEVELOPED WOODLANDS, AGRICULTURAL FIELDS AND SINGLE FAMILY RESIDENCES.

OFF-SITE AREAS
 ALL ORGANIC MATERIAL, TREE VEGETATION, ROCKS GREATER THAN 12" IN ANY DIRECTION AND EXCESS CUT MATERIAL TO BE HAULED OFF SITE. CONTRACTOR TO ENSURE MATERIAL IS DISPOSED OF AT AN APPROVED AND PERMITTED SOIL DISPOSAL LOCATION.

SOILS
 (36B) HAYEVILLE LOAM - 2% TO 7% SLOPES - HYDROLOGIC SOIL GROUP B
 (36C) HAYEVILLE LOAM - 7% TO 15% SLOPES - HYDROLOGIC SOIL GROUP B

CRITICAL AREAS
 THE PROPOSED PROJECT WILL NOT CREATE ANY CRITICAL AREAS

ESC MEASURES - STRUCTURAL PRACTICES
 STRUCTURAL MEASURES TO BE USED ON THE SITE INCLUDE SILT FENCE (VE&SCH SPEC. 3.05), CONSTRUCTION ENTRANCE (VE&SCH SPEC. 3.02), CONSTRUCTION ROAD STABILIZATION (VE&SCH SPEC. 3.03), TEMPORARY STOCK PILE (VE&SCH SPEC. 3.30) AND CONCRETE WASHOUT. ALL MEASURES SELECTED ARE STANDARD ESC ITEMS FOR THIS APPLICATION. ANY DISTURBED AREA DENUDED FOR SEVEN DAYS THAT IS NOT IN ACTIVE WORK AREA TO BE TEMPORARILY SEEDED.

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

PERMANENT STABILIZATION
 1. UNTIL AN ADEQUATE ROOT SYSTEM IS ESTABLISHED AND IN THE ABSENCE OF ADEQUATE RAINFALL, SODDING (OR WHATEVER VEGETATION IS USED) SHALL BE IRRIGATED AS OFTEN AS NECESSARY TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. IN GENERAL, WATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE VESCH.

ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISHED GRADING. SEEDING SHALL BE DONE WITH KENTUCKY 31 TALL FESCUE ACCORDING TO STD. AND SPEC. 3.32, PERMANENT SEEDING, OF THE HANDBOOK. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES PROPERLY. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. IN ALL SEEDING OPERATIONS, SEED FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING. FINAL STABILIZATION IS CONSIDERED COMPLETED WHEN 100% OF THE DISTURBED SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER.

STORM WATER RUNOFF CONSIDERATIONS
 THE NATURAL DRAINAGE CONDITION FROM THE THE PROPOSED SITE WILL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE. ALL DRAINAGE FROM THE DISTURBED AREA WILL BE IN SHEET FLOW. THUS SATISFYING MINIMUM STANDARD 19.

MANAGEMENT STRATEGIES
 1. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
 1. TEMPORARY SEEDING OR OTHER STABILIZATION WILL FOLLOW IMMEDIATELY AFTER GRADING. SEE VA E&SC HANDBOOK 3.31-B FOR SEEDING SPECIFICATION.
 2. SEASONAL NURSE CROP MAY BE REQUIRED.
 3. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FLAGS, SIGNS, ETC.
 4. THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL ESC PRACTICES.
 5. AFTER ACHIEVING ADEQUATE STABILIZATION THE TEMPORARY ESC MEASURES WILL BE CLEANED UP FROM ACCUMULATED SEDIMENT AND REMOVED, ONLY AFTER APPROVAL OF THE JURISDICTION ESC INSPECTOR.

GENERAL NOTES
 1. GENERAL CONTRACTOR MAY RELOCATE OR REVISE EROSION AND SEDIMENT CONTROLS AS DEEMED NECESSARY DURING CONSTRUCTION TO MAINTAIN PROPER SEDIMENT CONTROL.
 2. ALL EXISTING UNDERGROUND AND ABOVE GROUND UTILITIES TO BE RELOCATED AS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION.
 3. ALL ONSITE DRAINAGE EASEMENTS INCLUDING STORMWATER/B.M.P. DRAINAGE EASEMENTS MUST BE RECORDED PRIOR TO ISSUANCE OF A BUILDING PERMIT FOR THIS PROJECT.

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

CONSTRUCTION SEQUENCE

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

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

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

1. INSTALL ROCK CONSTRUCTION ENTRANCE AND ALL PERIMETER BMP'S AS SHOWN ON THE PLANS.
2. CLEAR TREES AND LIMBS FOR FULL WIDTH OF EASEMENT AND LEASE AREA, GROUND TO SKY.
3. STRIP TOPSOIL FOR THE ACCESS DRIVE AND STORE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS OR LOCATION AS AGREED UPON WITH THE CONSTRUCTION MANAGER.
4. BEGIN GRADING AND INSTALL GRAVEL, ROADSIDE DITCHES, AND CULVERTS WITH OUTLET PROTECTION.
5. STRIP TOPSOIL ACROSS COMPOUND AND STORE AT DESIGNATED LOCATIONS AS SHOWN ON THE PLANS OR LOCATION AS AGREED UPON WITH THE CONSTRUCTION MANAGER.
6. GRADE COMPOUND SITE AND INSTALL GRAVEL. IMMEDIATELY STABILIZE FILL AND CUT SLOPES WITH EROSION CONTROL MATTING OR ROCK.
7. ONCE CONSTRUCTION OF COMPOUND AND ACCESS DRIVE IS COMPLETE, BEGIN CONSTRUCTION OF TOWER AND ASSOCIATED FACILITIES AND UTILITIES AS SHOWN ON THE DRAWINGS.
8. IF CONSTRUCTION IS TERMINATED OR SUSPENDED PRIOR TO CONSTRUCTION COMPLETION, ALL EXPOSED SOIL AREAS SHALL BE SEEDED WITH TEMPORARY SEEDING AND MULCHED IMMEDIATELY.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SEDIMENT AND EROSION CONTROL FACILITIES IN EFFECTIVE WORKING ORDER DURING CONSTRUCTION AND UNTIL ALL EXPOSED SOIL AREAS HAVE BEEN STABILIZED.

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

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

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

MAINTENANCE

1. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY. THE FOLLOWING ITEMS WILL BE CHECKED, IN PARTICULAR:
 2. THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
3. THE SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NEEDED.
4. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ECS CONTROLS DURING CONSTRUCTION.
5. INSPECTION TO BE CONDUCTED SHALL BE PER CARROLL COUNTY STANDARDS AND REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL INSPECTIONS.
6. SILT FENCE SHALL BE CHECKED AFTER EACH MAJOR STORM EVENT OR ONCE EVERY FIVE DAYS. SEDIMENT SHALL BE REMOVED AFTER IT BECOMES 1/3 HEIGHT OF SILT FENCE.
7. ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL WILL BE CONSTRUCTED ACCORDING TO THE STANDARDS AND SPECIFICATIONS OF THE VIRGINIA SEDIMENT AND EROSION CONTROL HANDBOOK, 3RD ED, 1992.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:



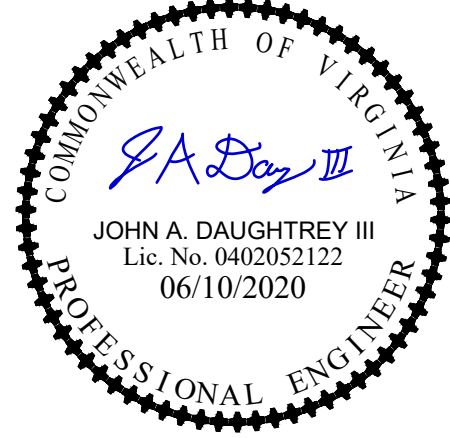
1. THE OWNER/DEVELOPER MUST NOTIFY THE ALBEMARLE COUNTY AT LEAST 24 HOURS PRIOR TO THE START OF THE CONSTRUCTION IN ACCORDANCE WITH APPLICABLE ALBEMARLE COUNTY ORDINANCES AND POLICIES.
2. THE OWNER/DEVELOPER GRANTS THE RIGHT-OF-ENTRY ON TO THIS PROPERTY TO THE DESIGNATED ALBEMARLE COUNTY PERSONNEL FOR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

GRADING NOTES

1. SOILS USED FOR ROADWAY SUBGRADE MUST BE COMPACTED SO THAT THE MINIMUM DRY DENSITY ACHIEVED EXCEEDS 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE CONTRACTOR MAY ONLY USE CUT MATERIAL AS FILL IF IT CAN BE COMPACTED TO 95% OF ITS STANDARD PROCTOR MAXIMUM DRY DENSITY. PROCTOR READING MUST BE INSPECTED AND APPROVED BY A THIRD PARTY DURING ROADWAY CONSTRUCTION.
2. NATIVE TOPSOIL SHALL BE SAVED, STOCKPILED, MULCHED, AND REUSED AS MUCH AS POSSIBLE ON THE SITE. SILTATION FENCE SHALL BE INSTALLED AT THE BASE OF STOCKPILES AT THE DOWNHILL LIMIT TO PROTECT AGAINST EROSION. STOCKPILES WILL BE STABILIZED BY SEEDING AND MULCHING UPON FORMATION OF THE PILES. UPHILL OF THE STOCKPILES, STABILIZED DITCHES AND/OR BERMS WILL BE CONSTRUCTED TO DIVERT STORMWATER RUNOFF AWAY FROM THE PILES. EXCESS CUT SOIL NOT REUSED AS FILL SHALL BE HAULED OFF SITE TO AN APPROVED AND PERMITTED SOIL DISPOSAL SITE AS SOON AS FINAL GRADE HAS BEEN ESTABLISHED.
3. FOR AN EARTH DISTURBANCE ACTIVITY OR ANY STAGE OR PHASE OF AN ACTIVITY TO BE CONSIDERED PERMANENTLY STABILIZED, THE DISTURBED AREAS SHALL BE COVERED BY A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
4. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 8 INCHES IN THICKNESS.
5. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR ORGANIC MATERIAL THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. ANY ROCK GREATER THAN 12" IN ANY DIRECTION SHOULD BE DISPOSED OF AND NOT USED AS FILL. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
6. PLOW, SCARIFY, BENCH, OR BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING MATERIAL. IF FILL EXCEEDS 4' IN HEIGHT FROM TOE TO CREST, FILL MUST BE BENCHED AND KEYED IN. SEE DETAIL 4/ES-7 FOR DETAILS.
7. PLACE SOIL FILL ON SUB-GRADES FREE OF ORGANIC MATERIAL, MUD, FROST, SNOW, OR ICE
8. PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES THICK IN LOOSE DEPTH COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HAND OPERATED TAMPERS.
9. UNDER ACCESS ROADS WITH MARGINAL TO EXCESSIVE SLOPES AND MARGINAL SUBGRADE, CLEAR, GRUB AND SCARIFY ROAD AREA. INSTALL ONE LAYER OF GEO-TEXTILE FABRIC (US 160 NW OR EQUIVALENT) AND PIN TO SUBGRADE. INSTALL BASE LAYER, AND TRACK IN WITH A BULLDOZER OR SHEEPSFOOT ROLLER, INSTALL SURFACE LAYER, DRESS ROAD AS REQUIRED AFTER CONSTRUCTION WITH MOTOR GRADER AND COMPACT WITH A VIBRATORY ROAD ROLLER.

HAY BALE AND PLASTIC WASHOUT PIT

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

ENGINEER																																	
APPLICANT	 <p>1831 RADY COURT RICHMOND, VA 23222</p>																																
SITE INFORMATION	<p>WILD TURKEY WILD TURKEY LANE CHARLOTTESVILLE, VA 22903 ALBEMARLE COUNTY</p>																																
DESIGN RECORD	<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>06/10/20</td> <td>REVISED</td> <td>CT</td> </tr> <tr> <td>5</td> <td>04/20/20</td> <td>REVISED</td> <td>CCC</td> </tr> <tr> <td>4</td> <td>03/09/20</td> <td>REVISED</td> <td>PJP</td> </tr> <tr> <td>3</td> <td>02/24/20</td> <td>REVISED</td> <td>PJP</td> </tr> <tr> <td>2</td> <td>12/04/19</td> <td>REVISED</td> <td>CCC</td> </tr> <tr> <td>1</td> <td>11/18/19</td> <td>FINALS</td> <td>CCC</td> </tr> <tr> <td>0</td> <td>10/30/19</td> <td>PRELIMINARY CD</td> <td>LJS</td> </tr> </tbody> </table>	REV	DATE	DESCRIPTION	BY	6	06/10/20	REVISED	CT	5	04/20/20	REVISED	CCC	4	03/09/20	REVISED	PJP	3	02/24/20	REVISED	PJP	2	12/04/19	REVISED	CCC	1	11/18/19	FINALS	CCC	0	10/30/19	PRELIMINARY CD	LJS
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ENGINEER	<p>JOHN A. DAUGHTREY III, P.E. VA PROFESSIONAL ENGINEER LIC. #052122</p>																																
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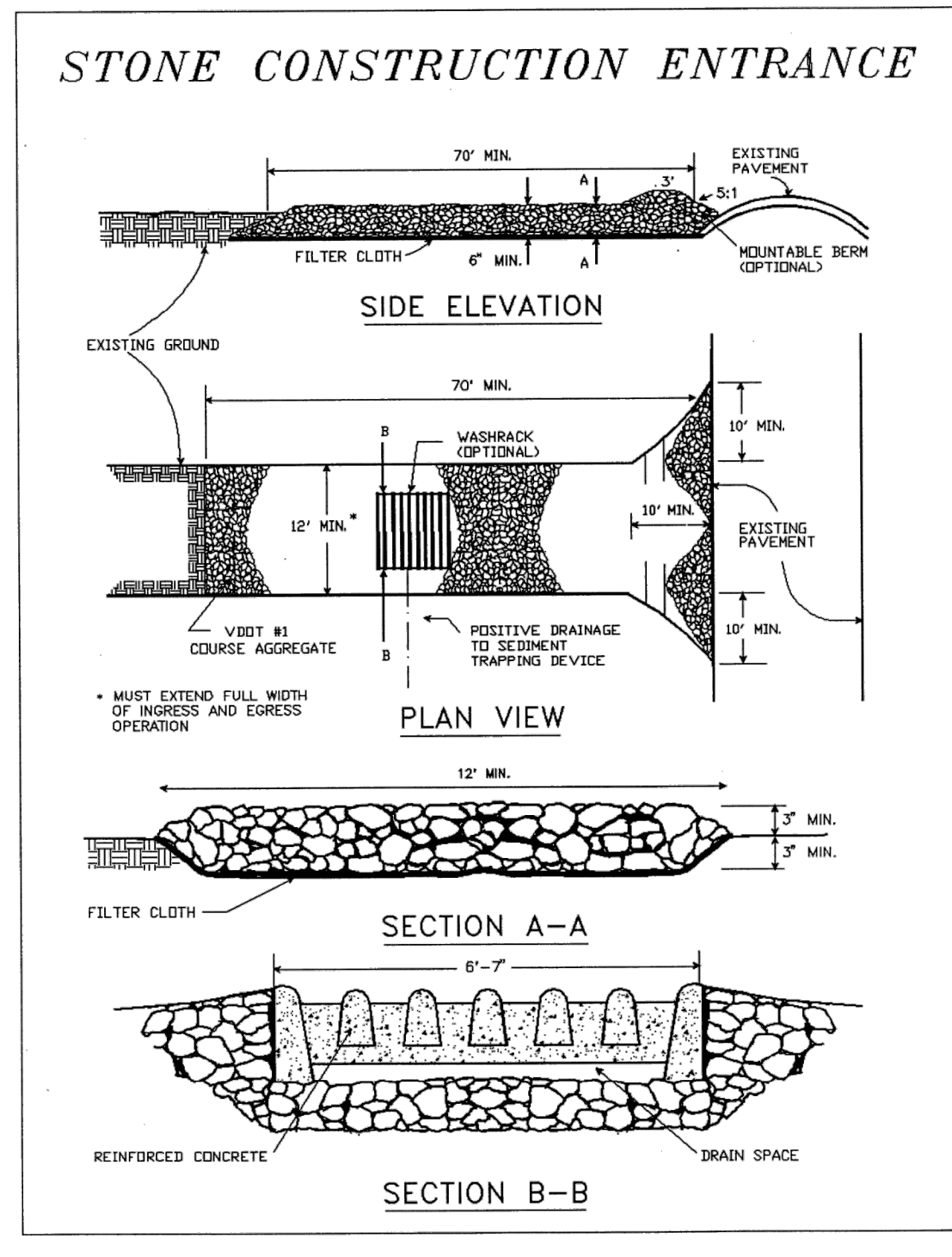
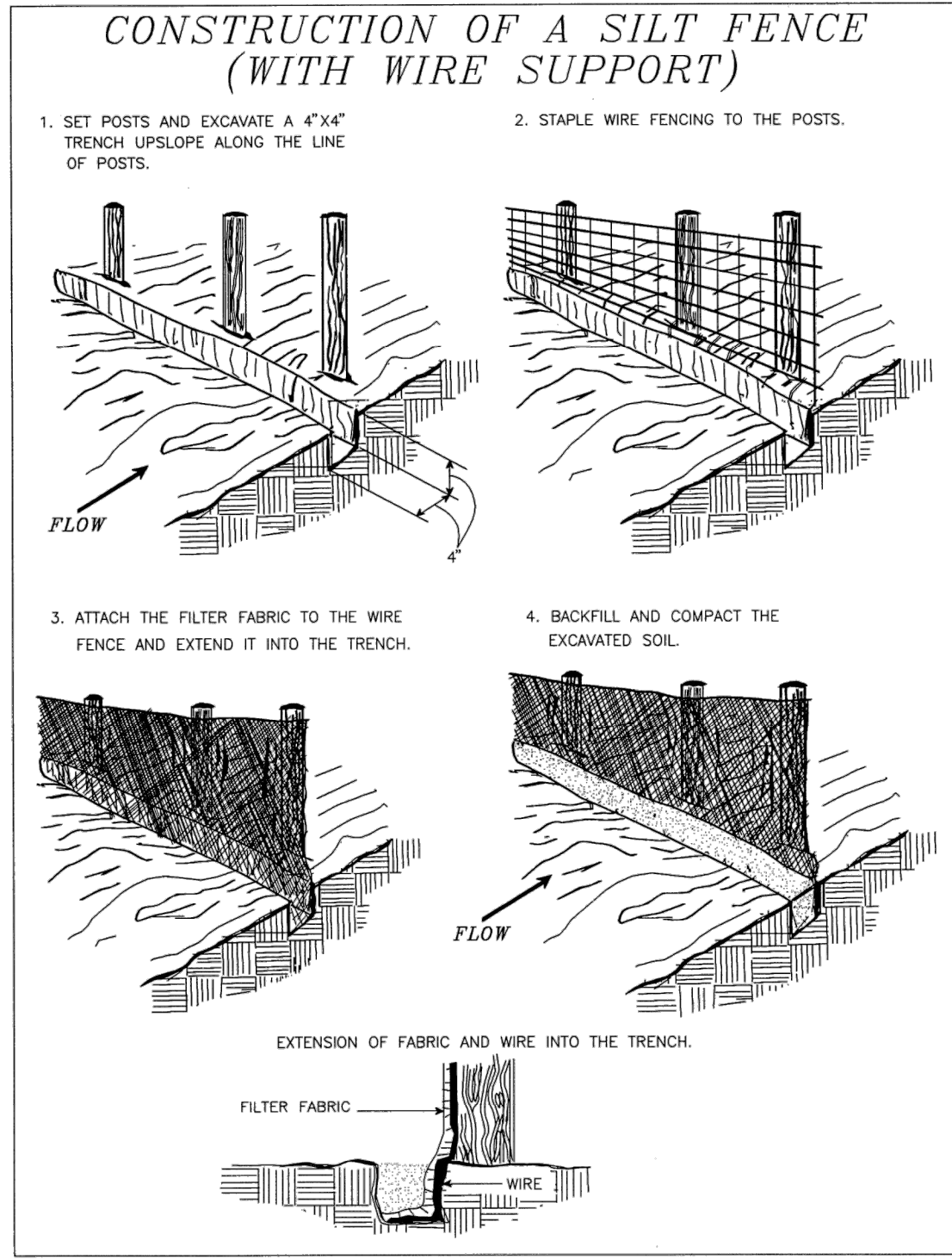
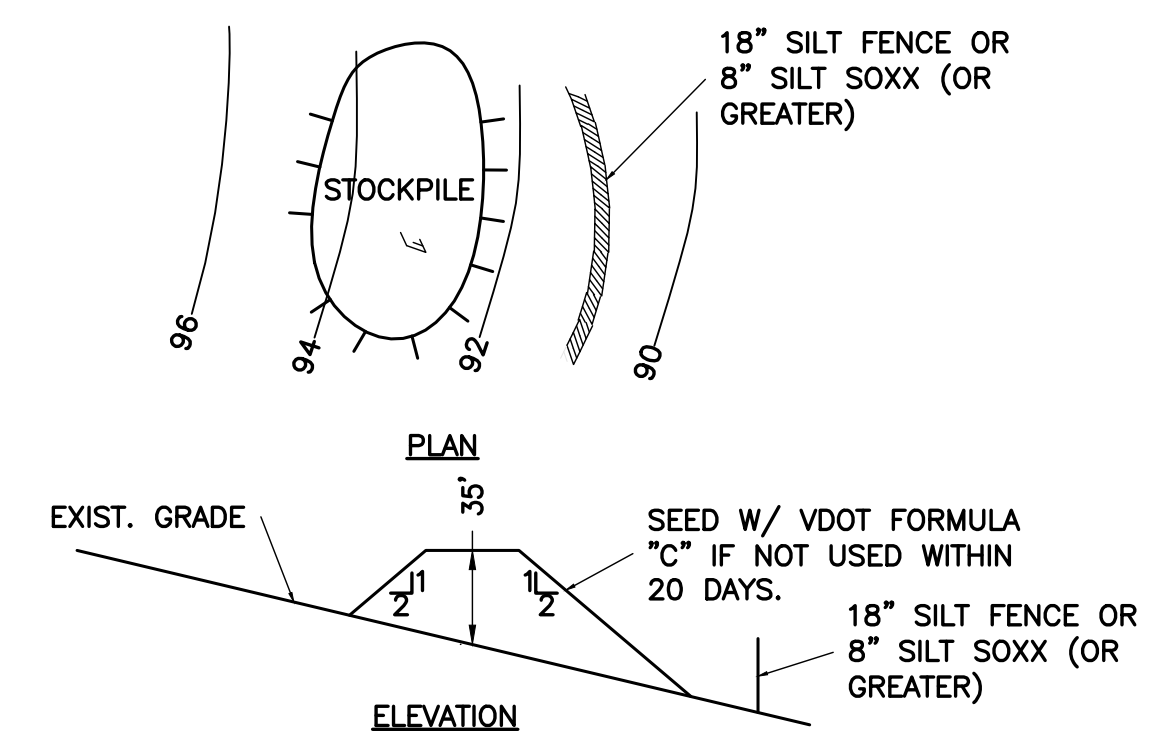


TABLE 3.32-C
SITE SPECIFIC SEEDING MIXTURES
FOR APPALACHIAN/MOUNTAIN AREA

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

* Perennial Ryegrass will germinate faster and at lower soil temperatures than fescue, thereby providing cover and erosion resistance for seedbed.
** Use seasonal nurse crop in accordance with seeding dates as stated below:
March, April through May 15th Annual Rye
May 16th through August 15th Foxtail Millet
August 16th through September, October Annual Rye
November through February Winter Rye
*** If Flatpea is used, increase to 30 lbs./acre. All legume seed must be properly inoculated. Weeping Lovegrass may also be included in any slope or low-maintenance mixture during warmer seeding periods; add 10-20 lbs/acre in mixes.

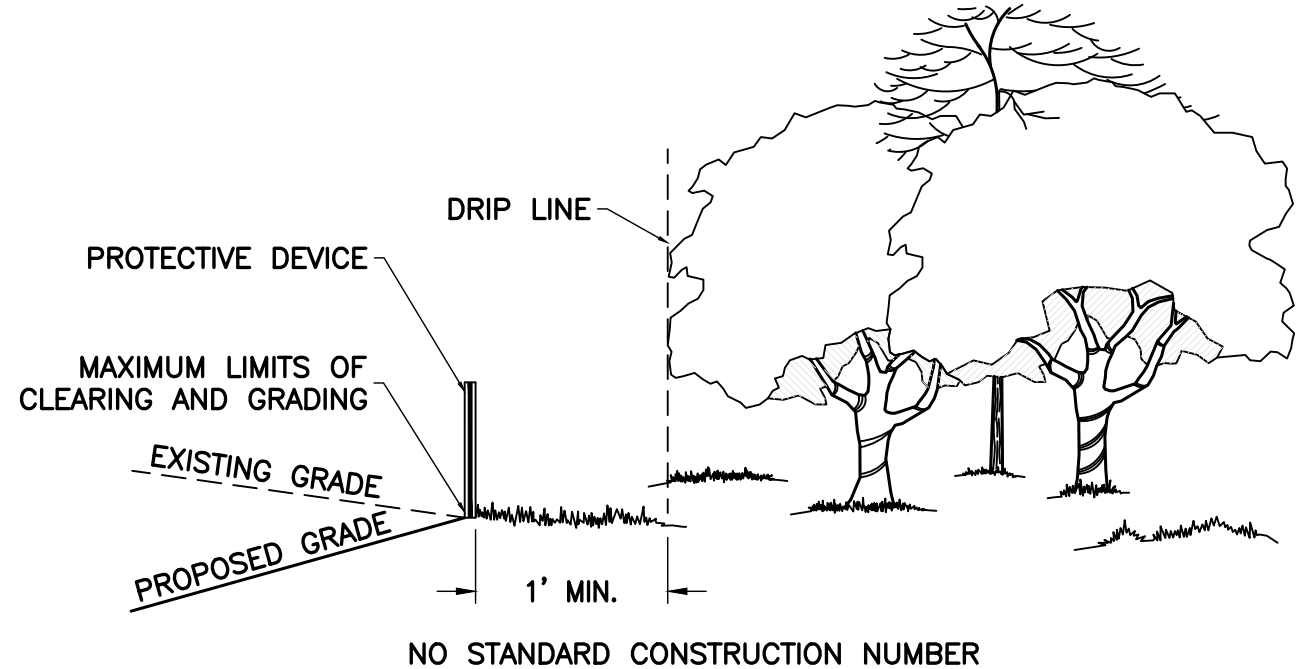


- NOTES:
- INSTALL SILT FENCE DOWNSLOPE OF AREA OF STOCKPILE.
 - PLACE STOCKPILE IN AREAS SHOWN ON EROSION CONTROL PLAN WITHOUT BLOCKING NATURAL DRAINAGE PATTERNS.
 - FOLLOW DIMENSIONS SHOWN ABOVE. HEIGHT SHOULD NOT EXCEED 35 FT. SIDE SLOPES SHOULD NOT BE STEEPER THAN 2(H):1(V).
 - SEED IMMEDIATELY IF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

4 TOPSOIL STOCKPILE AND MAINTENANCE
ES-4 NTS

TOPSOIL SPECIFICATIONS

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



- NOTES:
- THE TREE PROTECTIVE BARRIER MUST CONSIST OF ORANGE SAFETY FENCING, NOT LESS THAN THREE FEET HIGH AND SUPPORTED BY WOOD/METAL POLES.
 - THE TREE PROTECTIVE BARRIER WILL NEED TO REMAIN IN PLACE THROUGHOUT CONSTRUCTION.
 - APPROVAL OF TREE PROTECTIVE BARRIER WOULD NEED TO OCCUR PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND FINAL SITE PLAN APPROVAL.

6 TREE PROTECTION FENCE
ES-4 NTS TP

NOTE: ALL SILT FENCES ARE TO USE 36 INCH FABRIC AND STAKED WITH 2"x2" HARDWOOD STAKES ON 6' CENTERS

1 STANDARD FILTER FABRIC FENCE
ES-4 NTS SF

2 ROCK CONSTRUCTION ENTRANCE
ES-4 NTS CE

3 PERMANENT SEEDING
ES-4 NTS PS

TABLE 3.31-B
ACCEPTABLE TEMPORARY SEEDING PLANT MATERIALS
"QUICK REFERENCE FOR ALL REGIONS"

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

5 TEMPORARY SEEDING
ES-4 NTS TS

ENGINEER

NB+C
TOTALLY COMMITTED.
NB+C ENGINEERING SERVICES, LLC.
4435 WATERFRONT DRIVE, SUITE 100
GLEN ALLEN, VA 23060
604-548-4079

APPLICANT

verizon
1831 RADY COURT
RICHMOND, VA 23222

SITE INFORMATION

WILD TURKEY
WILD TURKEY LANE
CHARLOTTESVILLE, VA 22903
ALBEMARLE COUNTY

DESIGN RECORD

REV	DATE	DESCRIPTION	BY
6	06/10/20	REVISED	CT
5	04/20/20	REVISED	CCC
4	03/09/20	REVISED	PJP
3	02/24/20	REVISED	PJP
2	12/04/19	REVISED	CCC
1	11/18/19	FINALS	CCC
0	10/30/19	PRELIMINARY CD	LJS

PROFESSIONAL STAMP

COMMONWEALTH OF VIRGINIA
JOHN A. DAUGHTREY III
Lic. No. 0402052122
06/10/2020
PROFESSIONAL ENGINEER

ENGINEER

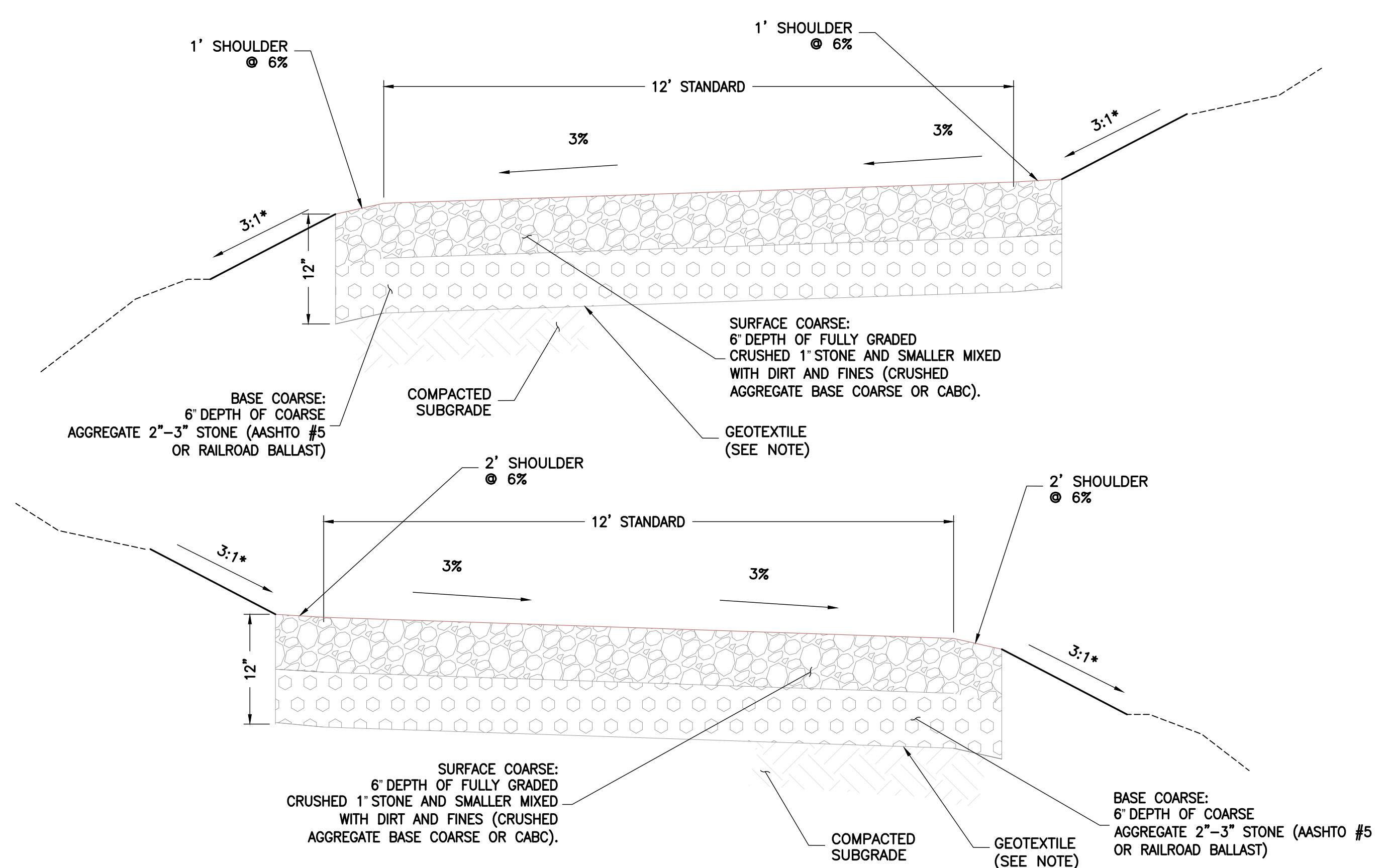
JOHN A. DAUGHTREY III, P.E.
VA PROFESSIONAL ENGINEER LIC. #052122

SHEET TITLE

EROSION & SEDIMENT CONTROL DETAILS I

SHEET NUMBER

ES-4



- NOTES:**
- SUBGRADE AND FILL SHALL CONSIST OF CLEAN SOIL. NO DELETERIOUS MATERIALS OR ORGANICS TO BE USED. FREE OF FROZEN PARTICLES, ORGANIC MATTER, CLAYED MATERIAL AND ROCK PARTICLES GREATER THAN 12" IN ANY DIRECTION.
 - REMOVE ALL TOPSOIL AND ORGANICS BEFORE COMMENCING ACCESS ROAD FOR A MIN. DEPTH OF 12".
 - CONTRACTOR TO USE 6" DEEP GRAVEL BASE (2A MODIFIED) AS MEANS OF ACCESS FOR ALL HEAVY CONSTRUCTION TRAFFIC. PROPOSED GRAVEL SURFACE (6" DEEP CRUSHER RUN) TO BE INSTALLED AFTER ALL MAJOR CONSTRUCTION HAS BEEN COMPLETED.
 - THE PROPOSED ROAD MUST BE KEYED INTO THE EXISTING GRADE. THE FINAL FINISHED GRADE SHALL BE FLUSH WITH THE EXISTING GRADE TO ALLOW FOR PROPER DRAINAGE ACROSS THE ROAD.
 - WOVEN GEOTEXTILE: APPROVED PRODUCTS ARE US FABRICS: US 200 AND TENCATE: 160N. CONTRACTOR MAY SUBMIT DESIGN ALTERNATIVE.

1 PROPOSED GRAVEL DRIVE TYPICAL SECTION
ES-5 NTS

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PROFESSIONAL STAMP



ENGINEER

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

SHEET TITLE

**EROSION
&
SEDIMENT CONTROL
DETAILS II**

SHEET NUMBER

ES-5