
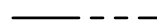
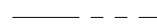










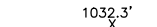

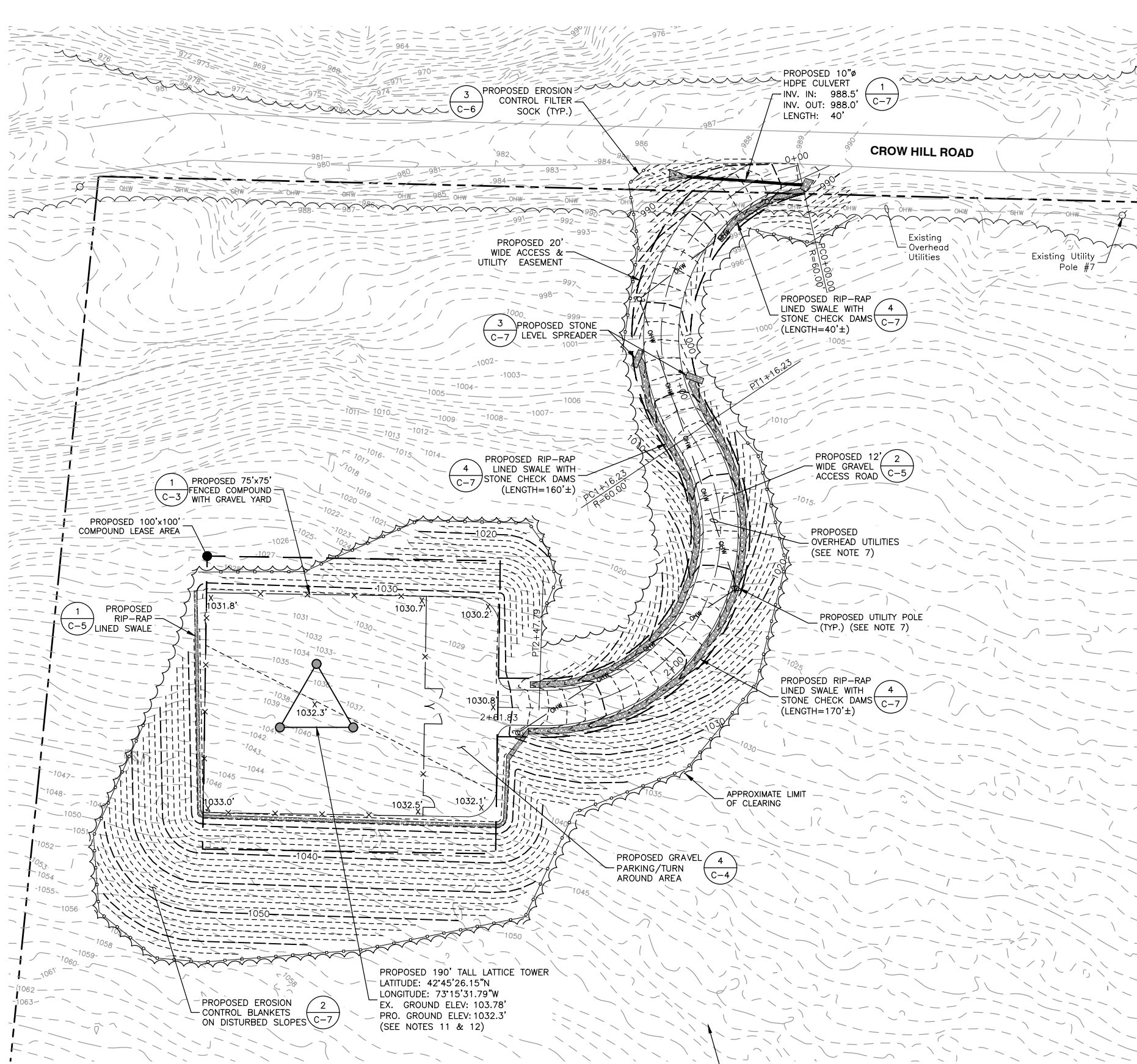


LEGEND

-  PROPOSED EASEMENT/LEASE AREA
-  LOCUS PROPERTY LINE
-  ABUTTER PROPERTY LINE
-  PROPOSED FENCED COMPOUND
-  PROPOSED ROAD
-  PROPOSED ROAD CENTERLINE
-  EXISTING TREELINE
-  PROPOSED CLEARING
-  EXISTING EDGE OF ROAD
-  PROPOSED EROSION CONTROL
-  EXISTING OVERHEAD WIRES
-  PROPOSED OVERHEAD WIRES
-  PROPOSED UTILITY POLE
-  EXISTING UTILITY POLE
-  PROPOSED SPOT GRADE

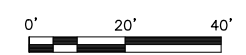


NOTES:

1. SOME EXISTING INFORMATION IS NOT SHOWN FOR CLARITY.
2. TOTAL TEMPORARY AREA TO BE DISTURBED: 25,750± SQ. FT. (0.59± ACRES)
TOTAL PERMANENT AREA TO BE DISTURBED (INCLUDES GRAVEL ACCESS ROAD, COMPOUND & PARKING AREA): 10,662± SQ. FT. (0.24± ACRES). THIS REPRESENTS 0.51% OF THE TOTAL PARCEL AREA.
3. TOTAL PROPOSED IMPERVIOUS SURFACES (INCLUDES TOWER FOUNDATION PIERS & CONCRETE FOOTINGS FOR FENCE/H-FRAME POSTS): 50± SQ. FT. (0.001± ACRES)
4. TOTAL LENGTH OF PROPOSED ACCESS ROAD: 262'±.
5. TOTAL AREA ASSOCIATED WITH WIRELESS FACILITY INCLUDING ACCESS & UTILITY EASEMENT AND COMPOUND LEASE AREA IS APPROXIMATELY 14,796 S.F. (0.34 ACRES).
6. LOAM & SEED ALL DISTURBED AREAS WITHIN 7 CALENDAR DAYS AFTER ALL SITE & TRENCH WORK HAS BEEN COMPLETED.
7. UTILITIES SHALL EXTEND OVERHEAD WITHIN PROPOSED EASEMENT. FINAL PLACEMENT OF NEW UTILITY POLES BASED ON FIELD CONDITIONS & UTILITY CO. APPROVAL.
8. DEWBERRY ENGINEERS INC. & COLONIAL SURVEY, INC. HAVE NOT LOCATED ANY UNDERGROUND UTILITIES. ALWAYS CALL DIG SAFE TO MARK OUT UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION ACTIVITIES.
9. THE PROJECT WILL COMPLY WITH THE LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION.
10. ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE VT STATE BUILDING CODE, NATIONAL ELECTRIC CODE (NEC 2017), ANSI/EIA/TIA-222.
11. DEWBERRY ENGINEERS INC. HAS NOT BEEN PROVIDED WITH TOWER OR FOUNDATION DESIGNS. FINAL TOWER & FOUNDATION DESIGNS TO BE COMPLETED BY SABRE PRIOR TO CONSTRUCTION & TOWER FABRICATION.
12. FINAL TOWER HEIGHT IS DEPENDENT ON FOUNDATION ELEVATION ABOVE GROUND LEVEL. CONSTRUCTION MANAGER TO REVIEW FINAL FOUNDATION HEIGHT ABOVE FINISHED GRADE & REDUCE THE TOWER HEIGHT ACCORDINGLY TO ACHIEVE FINAL ELEVATION SHOWN.

SITE & GRADING PLAN

SCALE: 1"=40' FOR 11"x17"
1"=20' FOR 22"x34"



1

PROPOSED 190' TALL LATTICE TOWER
LATITUDE: 42°45'26.15"N
LONGITUDE: 73°15'31.79"W
EX. GROUND ELEV: 103.78'
PRO. GROUND ELEV: 1032.3'
(SEE NOTE 4)

**RISEING TIDE II
TOWERS II**

5 MILK STREET
SUITE 110
PORTLAND, ME 04101

**POWNAI, VT
SITE #: RTT2-01**

CONSTRUCTION DRAWINGS

A 11/14/24 FOR COMMENT

Dewberry
Dewberry Engineers Inc.
99 SUMMER STREET
SUITE 700
BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310



DRAWN BY: GMT

REVIEWED BY: DAS

CHECKED BY: BBR

PROJECT NUMBER: 50170469

JOB NUMBER: 50184159

SITE ADDRESS

127 CROW HILL ROAD
POWNAI, VT 05261

SHEET TITLE

PROPOSED SITE &
GRADING PLAN

SHEET NUMBER

C-1

RISEING TIDE II TOWERS II

5 MILK STREET
SUITE 110
PORTLAND, ME 04101

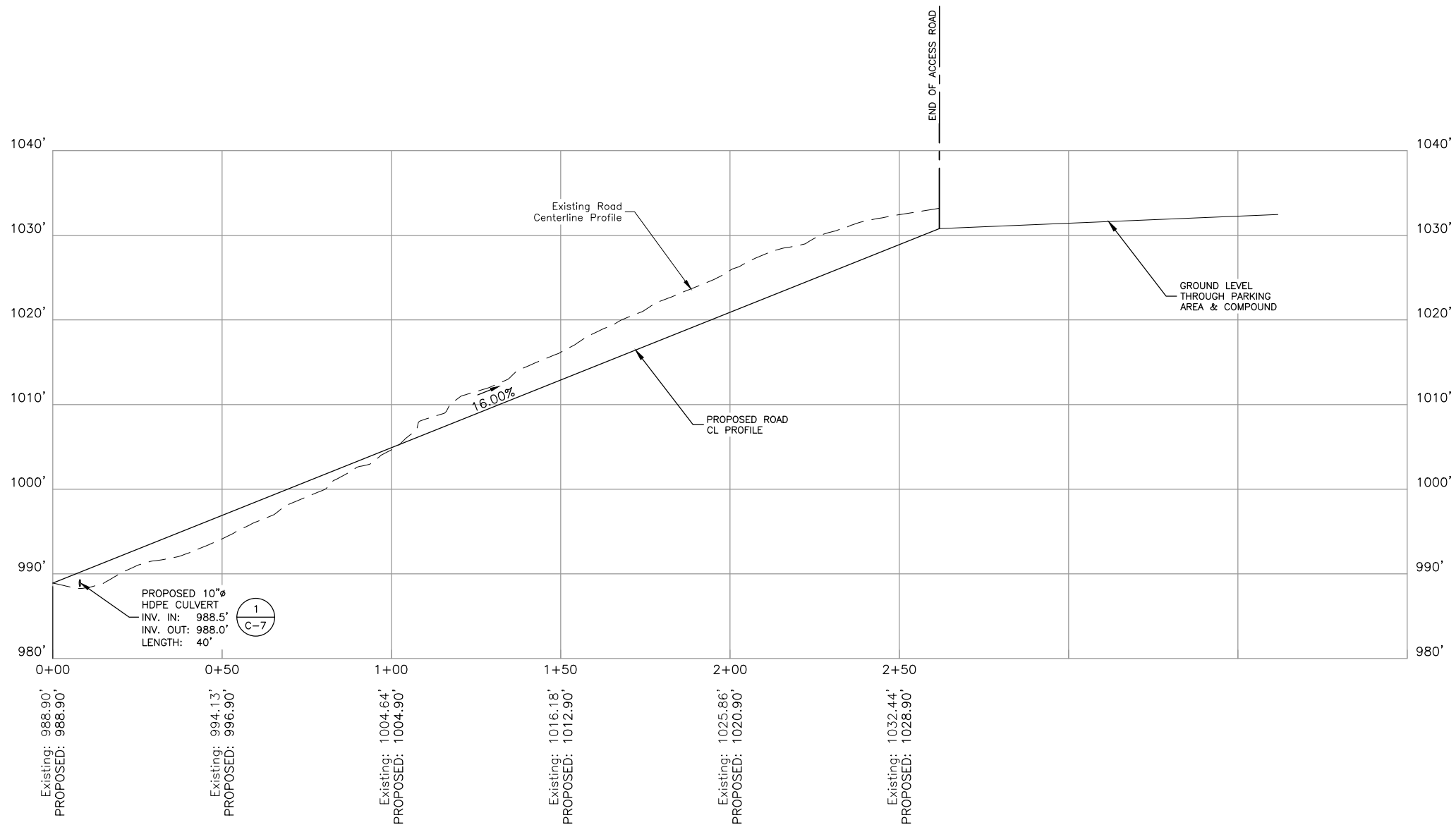
**POWNAI, VT
SITE #: RTT2-01**

CONSTRUCTION DRAWINGS

A 11/14/24 FOR COMMENT



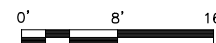
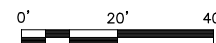
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BOSTON, MA 02110
PHONE: 617.695.3400
FAX: 617.695.3310



ACCESS ROAD PROFILE

HORIZONTAL SCALE: 1"=40' FOR 11"x17"
1"=20' FOR 22"x34"

VERTICAL SCALE: 1"=16' FOR 11"x17"
1"=8' FOR 22"x34"



1

DRAWN BY: GMT

REVIEWED BY: DAS

CHECKED BY: BBR

PROJECT NUMBER: 50170469

JOB NUMBER: 50184159

SITE ADDRESS

127 CROW HILL ROAD
POWNAI, VT 05261

SHEET TITLE

ACCESS ROAD PROFILE

SHEET NUMBER

C-2

RISEING TIDE II TOWERS II

5 MILK STREET
SUITE 110
PORTLAND, ME 04101

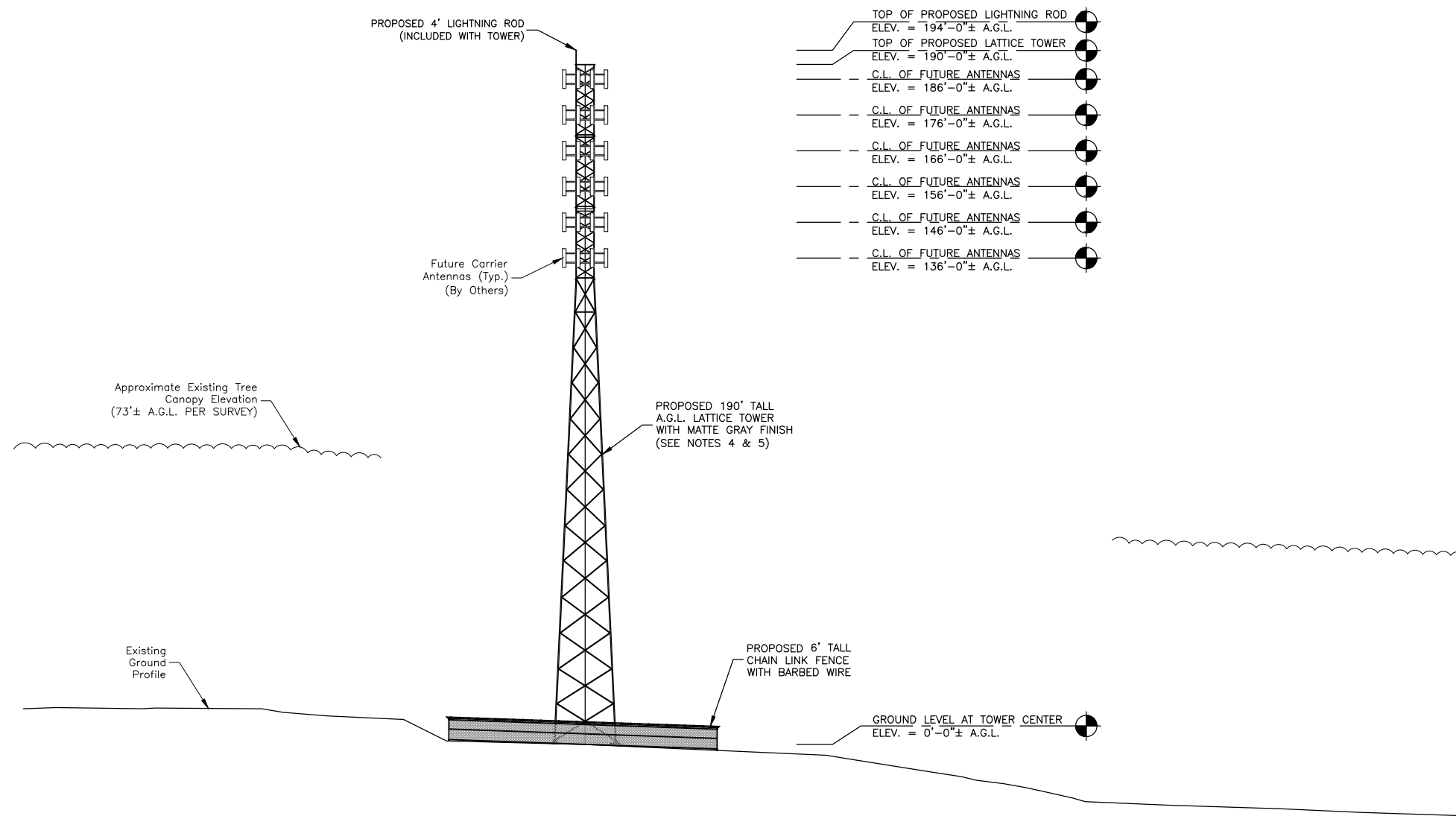
**POWNAI, VT
SITE #: RTT2-01**

CONSTRUCTION DRAWINGS

A 11/14/24 FOR COMMENT

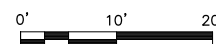


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NORTH ELEVATION

SCALE: 1"=20' FOR 11"x17"
1"=10' FOR 22"x34"



1

NOTES:

- SOME PROPOSED INFORMATION IS NOT SHOWN FOR CLARITY.
- A.G.L. - ABOVE GRADE LEVEL
C.L. - CENTERLINE.
- ALL WORK SHALL CONFORM TO ALL CURRENT APPLICABLE VT STATE BUILDING CODE, NATIONAL ELECTRIC CODE (NEC 2017), ANSI/EIA/TIA-222.
- DEWBERRY ENGINEERS INC. HAS NOT BEEN PROVIDED WITH TOWER OR FOUNDATION DESIGNS. FINAL TOWER & FOUNDATION DESIGNS TO BE COMPLETED BY SABRE PRIOR TO CONSTRUCTION & TOWER FABRICATION.
- FINAL TOWER HEIGHT IS DEPENDENT ON FOUNDATION ELEVATION ABOVE GROUND LEVEL. CONSTRUCTION MANAGER TO REVIEW FINAL FOUNDATION HEIGHT ABOVE FINISHED GRADE & REDUCE THE TOWER HEIGHT ACCORDINGLY TO ACHIEVE FINAL ELEVATION SHOWN.

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SITE ADDRESS

127 CROW HILL ROAD
POWNAI, VT 05261

SHEET TITLE

PROPOSED
NORTH ELEVATION

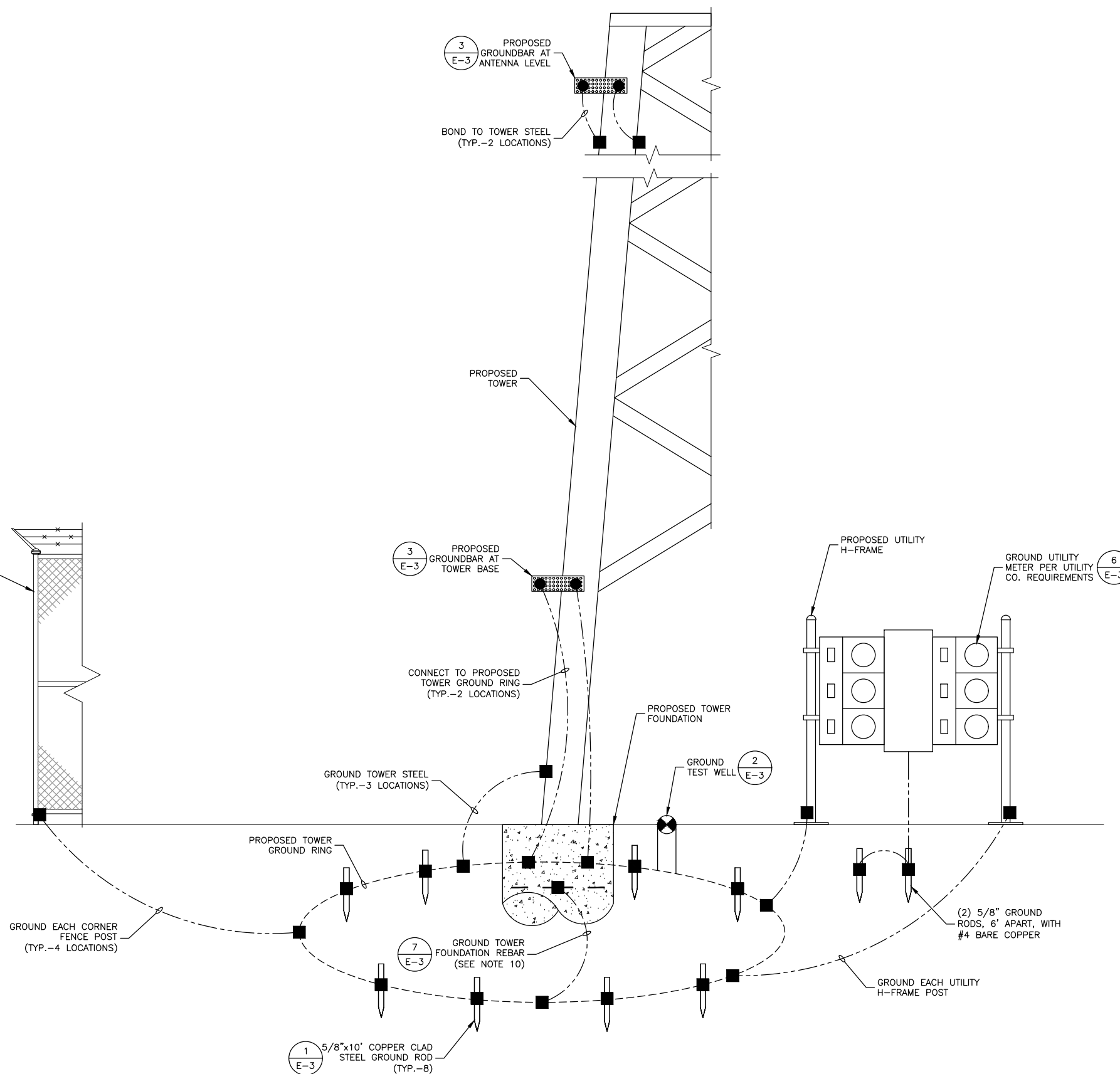
SHEET NUMBER

C-4A

GROUNDING GENERAL NOTES

- ALL DOWN CONDUCTORS & THE GROUNDING RING CONDUCTOR SHALL BE #2 AWG, SOLID, BARE, TINNED COPPER, UNLESS OTHERWISE NOTED. ALL CONNECTIONS TO GROUNDING RING SHALL BE EXOTHERMICALLY WELDED. CONDUCTOR SHALL BE AT A MINIMUM DEPTH BELOW GRADE OF 30" OR TO LEDGE. MINIMUM BEND RADIUS SHALL BE 8 INCHES. CONDUCTOR SHALL BE AT LEAST 24 INCHES FROM ANY FOUNDATION, UNLESS OTHERWISE NOTED.
- GROUND RODS SHALL BE 5/8" DIAMETER COPPER CLAD, HARGER, T&B, ERICO, OR EQUIVALENT. TOP OF ROD SHALL BE A MINIMUM OF 30" BELOW GRADE. IF LEDGE IS ENCOUNTERED, INSTALL GROUND ROD AT AN ANGLE. ELECTRICAL METER GROUND ROD EXCEPTED.
- WHERE MECHANICAL CONNECTIONS ARE SPECIFIED, BOLTED, COMPRESSION-TYPE, CLAMPS OR SPLIT-BOLT TYPE CONNECTORS SHALL BE USED.
- GRIND OFF GALVANIZING IN AFFECTED AREA. EXOTHERMICALLY WELD #2 CONDUCTOR AT 6" ABOVE GRADE OR FOUNDATION, WHICHEVER IS HIGHER. COLD-GALV AFTER. EXOTHERMICALLY WELD OTHER END TO GROUND RING.
- INSTALL GROUNDING KITS AT ANTENNA & TOWER EXIT POINTS. GROUND HYBRID/COAX LINES. EXOTHERMICALLY WELD #2 DOWN CONDUCTOR TO PLATES, RUN DOWN TOWER, & TIE INTO GROUNDING SYSTEM.
- ALL GROUNDING WORK SHALL COMPLY WITH RTT2 STANDARDS. FOLLOWING COMPLETION OF WORK, GROUND SYSTEM MUST BE TESTED & SHALL HAVE A RESISTANCE OF 5 OHMS OR LESS SUBMIT AN INDEPENDENT "FALL POTENTIAL" TESTING REPORT.
- CONTRACTOR SHALL HAND-DIG IN AREAS AROUND EXISTING UTILITIES.
- NOTIFY CONSTRUCTION ENGINEER IF THERE ARE ANY DIFFICULTIES INSTALLING GROUNDING SYSTEM DUE TO SITE SOIL CONDITIONS.
- GROUNDING RING IS SHOWN AS SCHEMATIC ONLY. IT IS DESIGNED WITHOUT BENEFIT OF RESISTIVITY TESTING & DOES NOT NECESSARILY REPRESENT A GROUNDING SYSTEM TO MEET ANY SPECIFIC GROUND RESISTANCE.
- PRIOR TO POURING CONCRETE, ALL REBAR LOCATED NEAR THE BOTTOM OF THE FOUNDATION SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING ELECTRODE, BY STEEL TIES OF OTHER EFFECTIVE MEANS APPROVED BY N.E.C. & STRUCTURAL ENGINEER, & BONDED TO THE GROUND RING AS DETAILED IN THESE PLANS (INSPECTION MAY BE REQUIRED PRIOR TO POURING CONCRETE & MUST BE COORDINATED BY CONTRACTOR).
- IN ACCORDANCE WITH N.E.C. REQUIREMENTS, ALL GROUNDING ELECTRODES PRESENT ON SITE SHALL BE BONDED TOGETHER (REFERENCE N.E.C. ARTICLE 250.50).

PROPOSED CHAIN LINK FENCE
(GATE ASSEMBLY TO BE BONDED TO MAIN
FENCE ASSEMBLY WITH BRAIDED COPPER
GROUND STRAPS, SEE DETAIL 1 SHEET C-4)
(4 CORNER POSTS TO BE BONDED TO
PROPOSED TOWER GROUND RING)



SCHEMATIC GROUNDING PLAN

SCALE: N.T.S.

1

GROUNDING LEGEND

- GROUND BAR
- GROUND COPPER WIRE, SIZE AS NOTED
- MECHANICAL GROUND CONNECTION
- 5/8"x10' COPPER CLAD STEEL GROUND ROD
- EXOTHERMIC (CADWELD) CONNECTION
- GROUND TEST WELL
- GROUND RING

RISEING TIDE II TOWERS II

5 MILK STREET
SUITE 110
PORTLAND, ME 04101

**POWNAI, VT
SITE #: RTT2-01**

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SITE ADDRESS

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POWNAI, VT 05261

SHEET TITLE

SCHEMATIC
GROUNDING PLAN

SHEET NUMBER

E-2

