



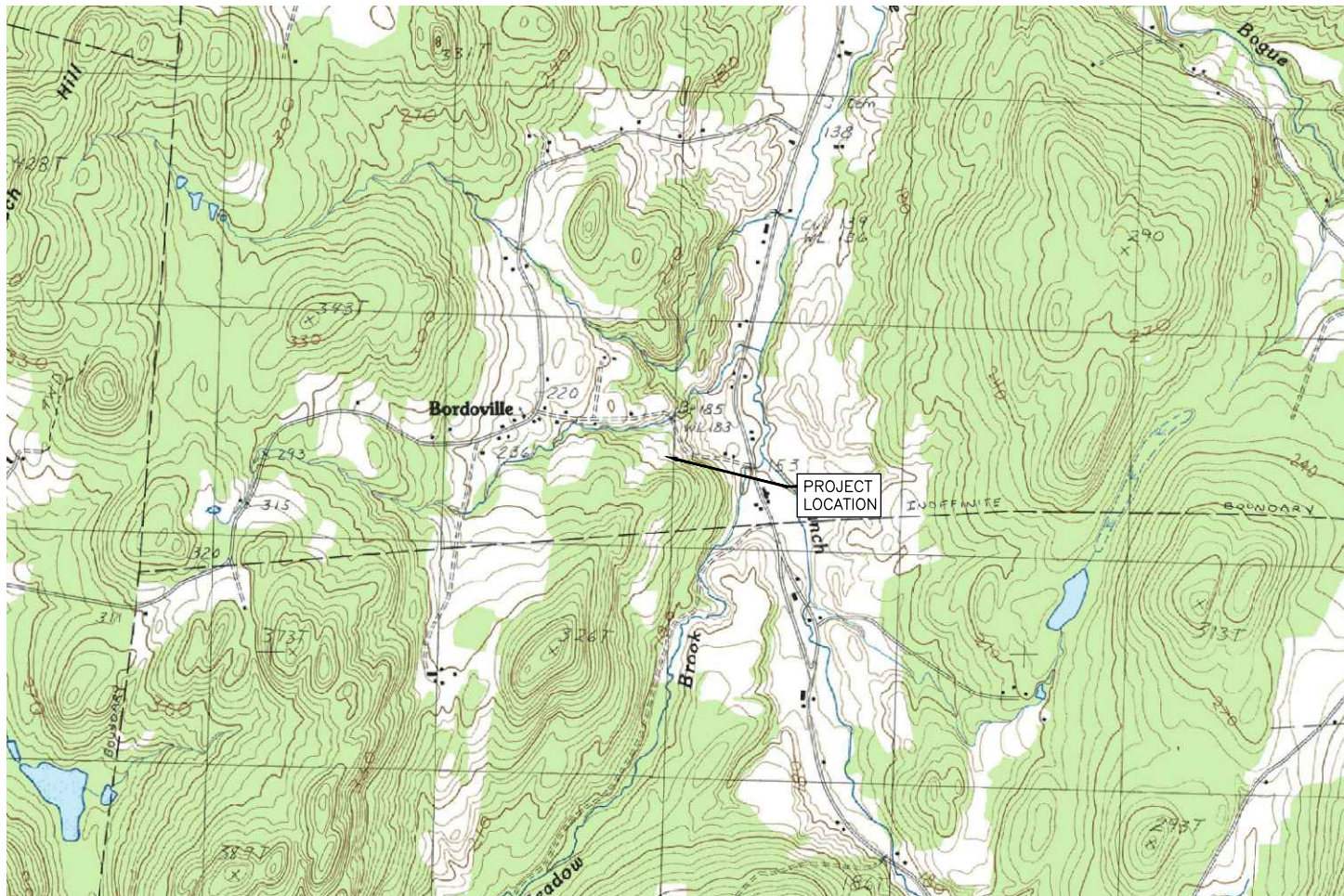
**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

 Industrial Tower and Wireless	
ITW ENOSBURGH	
BORDOVILLE ROAD ENOSBURGH, VT 05450	
SHEET TITLE	
TITLE SHEET	
PERMIT PLANS	
DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #
SHEET NUMBER	

T-1

DRAWING INDEX:	
T-1	TITLE SHEET
C-1	GENERAL NOTES
C-2	ORTHOPHOTO PLAN
C-3	OVERALL SITE PLAN
C-4	ABUTTER PLAN
C-5	OVERHEAD UTILITY LINE EXTENSION
C-6	PLAN AND PROFILE
C-7	DETAIL SITE PLAN
C-8	TOWER ELEVATIONS
C-9	CIVIL DETAILS
C-10	PERVIOUS TELECOMM. SURFACES
C-11	ANTENNA AND SIGNAGE DETAILS
C-12	EPSC LOW RISK HANDBOOK
C-13	EPSC LOW RISK HANDBOOK
C-14	EPSC LOW RISK HANDBOOK



1. TYPE OF PROJECT: TELECOMMUNICATION FACILITY
2. DESCRIPTION OF MAJOR PROJECT COMPONENTS: UNMANNED 80'x80' TELECOMMUNICATIONS COMPOUND TO BE CONSTRUCTED ON A 506 ACRE FORESTED PARCEL. THE PROPERTY MAINTAINS AN ACTIVE FARM, INCLUDING A FARM SHED AND A SUGARHOUSE. THE COMPOUND LOCATION IS SITED IN AN UNDEVELOPED CLEARING WITHIN THE FORESTED AREA. ACCESS TO THE COMPOUND WILL FOLLOW AN EXISTING TRAIL INTO THE CLEARING TO THE SITE. ACCESS IMPROVEMENTS INCLUDE WIDENING THE EXISTING ACCESS ROUTE AND STABILIZING THE ROAD BED. UNDERGROUND UTILITY SERVICES WILL CONNECT TO THE LAST PROPOSED UTILITY POLE ON BORDOVILLE ROAD. PROPOSED OVERHEAD SERVICE LINE ON BORDOVILLE ROAD WILL CONNECT TO THE LAST EXISTING UTILITY POLE. TREE CLEARING WILL BE MINIMIZED TO THE MINIMUM AREA NECESSARY FOR SITE IMPROVEMENTS AND CONSTRUCTION VEHICLE ACCESS. FOLLOWING CONSTRUCTIONS ALL DISTURBED AREAS OUTSIDE THE ACCESS AND COMPOUND WILL BE SEEDED AND MULCHED AND ALLOWED TO NATURALLY REVEGETATE.
3. POSTED SPEED LIMIT: N/A
4. TOTAL ACREAGE OF TEMPORARY EARTH DISTURBANCE: 28,757 S.F. (0.66 ACRE)
 - 4.1. STORMWATER CONSTRUCTION GENERAL PERMIT REQUIRED: NO
5. TOTAL ACREAGE OF TREE CLEARING: 25,256 S.F. (0.58 ACRE)
6. TOTAL AREA OF PERMANENT EARTH DISTURBANCE: 26,420 S.F. (0.61 ACRE)
7. IMPERVIOUS AREA
 - 7.1. EXISTING = 26,475 S.F. (0.61 ACRE)
 - 7.2. PROPOSED = 6,724 S.F. (0.15 ACRE)
 - 7.3. TOTAL = 33,199 S.F. (0.76 ACRE)
 - 7.4. STORMWATER OPERATIONAL PERMIT REQUIRED: NO
8. SEQUENCE OF MAJOR PROJECT COMPONENTS:
 - 8.1. DEMARCATÉ LIMITS OF CONSTRUCTION
 - 8.2. INSTALL CONSTRUCTION ENTRANCE
 - 8.3. TREE CLEARING
 - 8.4. INSTALL EPSC MEASURES
 - 8.5. ESTABLISH ROUGH ACCESS ROAD
 - 8.6. POUR TOWER FOUNDATION
 - 8.7. INSTALL UNDERGROUND ELECTRIC/TELCO & ACCESS ROAD GRADING
 - 8.8. FINISH COMPOUND CONSTRUCTION INCLUDING TOWER ERECTION
 - 8.9. SITE STABILIZATION, SURFACE TREATMENT, RE-SEEDING
9. PROPOSED POLLUTION PREVENTION STRATEGIES: CONTRACTOR TO ENSURE THAT THE SITE REMAINS CLEAN AND ALL DEBRIS AND UNUSED MATERIALS ARE REMOVED AT THE END OF EACH DAY.
10. MAXIMUM CONCURRENT EARTH DISTURBANCE: THE PROJECT WILL BE LIMITED TO ONE ACRE OR LESS OF EARTH DISTURBANCE AT ANY ONE TIME.
11. USE OF VEGETATED BUFFERS: THE PROJECT WILL HAVE STORMWATER DISCHARGES FROM THE CONSTRUCTION SITE TO WETLANDS AND DRAINAGE CHANNELS FROM THE ACCESS ROAD THAT DO NOT FIRST FILTER THROUGH A 50 FT. VEGETATED BUFFER. SILT FENCE WILL BE INSTALLED AT THESE LOCATIONS UNTIL FINAL STABILIZATION IS ESTABLISHED. THE ACCESS ROAD AND COMPOUND WILL BE GRADED TO PROVIDE A MILD CROSS-SLOPE TO DIRECT RUNOFF TO THE UNDISTURBED VEGETATED FOREST ADJACENT TO THE ROAD.
12. NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY TO THE BRANCH
13. NUMBER OF PROPOSED STREAM CROSSINGS: 0
 - 13.1. STREAM ALTERATION PERMIT REQUIRED: NO
14. WETLAND IMPACTS:
 - 14.1. AREA OF WETLANDS IMPACTED BY PROPOSED ACTIVITIES: 0 S.F. (0.00 ACRE)
 - 14.2. AREA OF WETLAND BUFFERS IMPACTED BY ROAD EXPANSION & GRADING LIMITS: 2,996 S.F. (0.07 ACRE)
 - 14.3. AREA OF WETLAND BUFFERS IMPACTED BY EXISTING ROAD SURFACE IMPROVEMENTS: 2,197 S.F. (0.05 ACRE)
 - 14.4. STATE WETLANDS PERMIT REQUIRED: YES
 - 14.5. ARMY CORPS OF ENGINEERS PERMIT REQUIRED: NO
15. RIVER AND STREAM IMPACTS: NONE
 - 15.1. LOCATED IN A FLOOD HAZARD AREA: NO
 - 15.2. LOCATED IN A RIVER CORRIDOR: NO
 - 15.3. LOCATED IN A RIPARIAN BUFFER: YES
16. RARE, THREATENED, OR ENDANGERED SPECIES IMPACTS: NO IDENTIFIED CONCERNS
17. SIGNIFICANT NATURAL COMMUNITY: NO IDENTIFIED CONCERNS
18. WATER SUPPLY SOURCE PROTECTION AREA IMPACTS: NONE
19. NATURAL RESOURCES HABITAT IMPACTS:
 - 19.1. DEER WINTERING AREA: NO IDENTIFIED CONCERNS
 - 19.2. BEAR HABITAT AREA: NO IDENTIFIED CONCERNS
 - 19.3. SONG BIRD HABITAT: NO IDENTIFIED CONCERNS
 - 19.4. BAT HABITAT AREA: NO IDENTIFIED ROOST TREES
 - 19.5. HABITAT BLOCK: MEDIUM PRIORITY LEVEL 6
 - 19.6. BIOFINDER: ADJACENT TO PRIORITY INTERIOR FOREST BLOCK
20. LOCAL ZONING - TOWN OF ENOSBURGH
 - 20.1. ZONING DISTRICT: RURAL RESIDENTIAL (RR)
 - 20.2. OVERLAY DISTRICT:
21. PROPERTY LINE INFORMATION PROVIDED BY THE TOWN OF ENOSBURGH TAX MAPS. DUBOIS & KING, INC. DID NOT PERFORM A BOUNDARY SURVEY.
22. TOPOGRAPHIC SURVEY PERFORMED BY DUBOIS & KING, INC. ON NOVEMBER 4, 2021.
23. THE PROJECT WILL COMPLY WITH THE LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL BY THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION, 2020 EDITION.
24. ELEVATIONS FROM GPS OBSERVATIONS.
25. WETLANDS DELINEATION AND HABITAT REVIEW PERFORMED BY DUBOIS & KING, INC. ON NOVEMBER 8, 2021.

	APPROXIMATE PROPERTY LINE
	OVERHEAD UTILITY LINE
	EXISTING TREE LINE
	DELINEATED STREAM
	RIPARIAN BUFFER
	50' WETLAND BUFFER
	DELINEATED WETLAND
	MINOR CONTOUR LINE
	MAJOR CONTOUR LINE
	UTILITY POLE
	BENCHMARK
	DECIDUOUS TREE
	EVERGREEN TREE

	LIMITS OF DISTURBANCE
	LIMITS OF CONSTRUCTION
	ACCESS & UTILITY EASEMENT
	REINFORCED SILT FENCE
	PROPOSED TREE LINE
	UNDERGROUND ELEC & TEL LINE
	CHAIN LINK FENCE
	PROPOSED WATER BAR
	TEMPORARY WATER BAR



ENGINEERING • PLANNING •
MANAGEMENT • DEVELOPMENT

6 GREEN TREE DRIVE
SO. BURLINGTON, VT 05403
TEL: (802) 878-7661
FAX: (866) 783-7101
www.dubois-king.com

RANDOLPH, VT
SPRINGFIELD, VT
BRANDON, VT
BEDFORD, NH
LACONIA, NH

© Copyright 2025 Dubois & King Inc.

PROFESSIONAL SEAL

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

NO.	DATE	DESCRIPTION	BY	CHKD
1	1-05-22	ISSUED FOR PERMITTING	JWP	LJH
2	2-23-22	REVISED PER ITW COMMENTS	JWP	LJH
3	5-10-22	REVISED PER ITW COMMENTS	JWP	LJH
4	6-07-22	REVISED WETLAND BUFFER IMPACT	JWP	LJH
5	11-13-25	REDUCED TOWER HEIGHT TO 120' A.G.L.	JWP	LJH



**ITW
ENOSBURGH**

BORDOVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

**GENERAL
NOTES**

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-1



PROFESSIONAL SEAL

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

**ITW
ENOSBURGH**

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

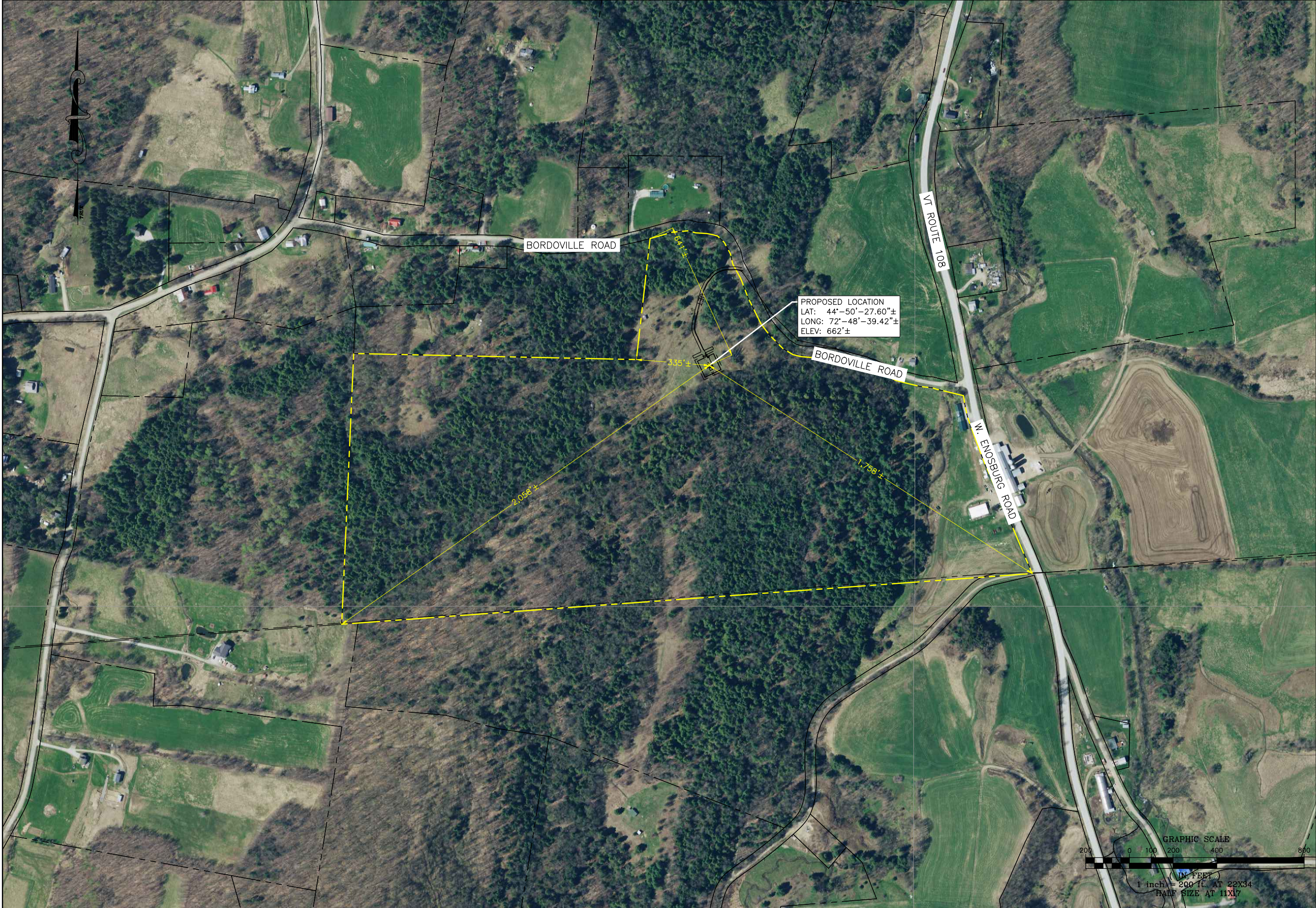
ORTHOPHOTO
PLAN

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-2



I:\4\427611 IC Enosburg VT\dwg\Permit Plans\C27611SP04.dwg 11/13/2025 1:05 PM



ABUTTER LIST:

- A. PARCEL #: CA7961—
N/F NANCY MURPHIE
7961 CHESTER ARTHUR ROAD
ENOSBURG FALLS, VT 05450

B. PARCEL #: CA8059—
N/F LYNN McMORROW
8059 CHESTER ARTHUR ROAD
ENOSBURG FALLS, VT 05450

C. PARCEL #: CA8129—
N/F BRIAN & SABRINA
8129 CHESTER ARTHUR ROAD
ENOSBURG FALLS, VT 05450

D. PARCEL #: CA8264—
N/F MAURICE & PIERRETTE PARENT
4001 EAST SHELDON ROAD
ENOSBURG FALLS, VT 05450

E. PARCEL #: WE3895—
N/F CAITLIN SHAW
3895 W. ENOSBURG ROAD
ENOSBURG FALLS, VT 05450

F. PARCEL #:
N/F

G. PARCEL #: WE4072—
N/F MARIE HULL
4072 W. ENOSBURG ROAD
ENOSBURG FALLS, VT 05450

H. PARCEL #: WE4232—
N/F ERIC & DANIELLE HULL
4232 W. ENOSBURG ROAD
ENOSBURG FALLS, VT 05450

I. PARCEL #: WE4382—
N/F NANCY BUZZELL
4382 W. ENOSBURG ROAD
ENOSBURG FALLS, VT 05450

J. PARCEL #: WE4569—
N/F SHERWOOD & MONA JEAN SMITH
4569 W. ENOSBURG ROAD
ENOSBURG FALLS, VT 05450

K. PARCEL #: WE4543—
N/F ELROY & LINDA HUNT
P.O. BOX 328
ENOSBURG FALLS, VT 05450

L. PARCEL #: 00V001.
N/F DUANE OVITT
249 OVITT ROAD
ENOSBURG FALLS, VT 05450

M. PARCEL #: 00V001.
N/F DUANE OVITT
249 OVITT ROAD
ENOSBURG FALLS, VT 05450

N. PARCEL #: OCY110.
N/F KRISTEN SLADE
2326 VT ROUTE 109
WATERVILLE, VT 05492

O. PARCEL #: OCY130.
N/F DUANE & ANDREW OVITT
249 OVITT ROAD
ENOSBURG FALLS, VT 05450

P. PARCEL #: OCY111.
N/F MICHAEL & HOLLY RIVERS
27 O'BRIEN DRIVE
SOUTH BURLINGTON, VT 05403

Q. PARCEL #: JO030A.
N/F CHESTER & BRENDA HALL
215 JONES ROAD
ENOSBURG FALLS, VT 05450

R. PARCEL #: CA6880—
N/F ARTHUR & JAYE LUNDBORG
55 JONES ROAD
ENOSBURG FALLS, VT 05450

S. PARCEL #: BV0537—
N/F VICTOR & DEBRA TIRBITO
70 GAIL STREET
WINOOSKI, VT 05404

T. PARCEL #: BV0394—
N/F PHILIPPA DORFMANN
394 BORDOVILLE ROAD
ENOSBURG FALLS, VT 05450

U. PARCEL #: BV0352—
N/F WILLIAM & GLORIA HUGHES
352 BORDOVILLE ROAD
ENOSBURG FALLS, VT 05450

V. PARCEL #: BV0494—
N/F CYRUS HOUSE
& TARA LOMBARDI
494 BORDOVILLE ROAD
ENOSBURG FALLS, VT 05450

W. PARCEL #:
N/F

X. PARCEL #:
N/F

Y. PARCEL #: CA7984—
N/F COURTNEY BENNETT
7984 CHESTER ARTHUR ROAD
ENOSBURG FALLS, VT 05450



PROFESSIONAL SEAL

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

**ITW
ENOSBURGH**

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

ABUTTER
PLAN

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-4



PROFESSIONAL SEAL

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

**ITW
ENOSBURGH**

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

OVERHEAD
UTILITY LINE
EXTENSION

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-5



I:\4\427611 IC Enosburg VT\dwg\Permit Plans\C27611SP04.dwg 11/13/2025 1:05 PM



PROFESSIONAL SEAL

**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

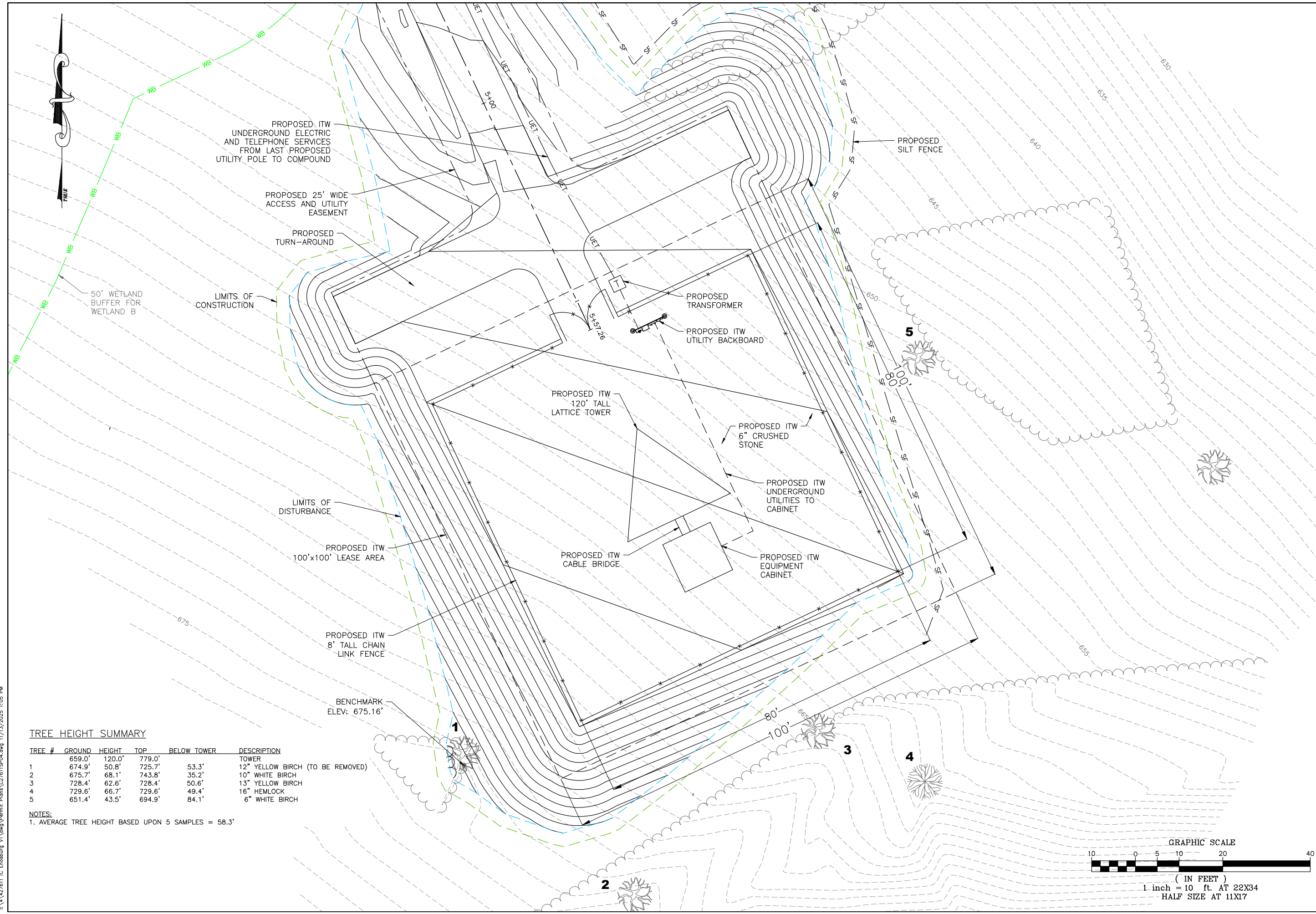
DETAIL SITE PLAN

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-7



TREE HEIGHT SUMMARY

TREE #	GROUND	HEIGHT	TOP	BELOW TOWER	DESCRIPTION
	659.0'	120.0'	779.0'		TOWER
1	674.9'	50.8'	725.7'	53.3'	12" YELLOW BIRCH (TO BE REMOVED)
2	675.7'	68.1'	743.8'	35.2'	10" WHITE BIRCH
3	728.4'	62.6'	728.4'	50.6'	13" YELLOW BIRCH
4	729.6'	66.7'	729.6'	49.4'	16" HEMLOCK
5	651.4'	43.5'	694.9'	84.1'	6" WHITE BIRCH

NOTES:

1. AVERAGE TREE HEIGHT BASED UPON 5 SAMPLES = 58.3'

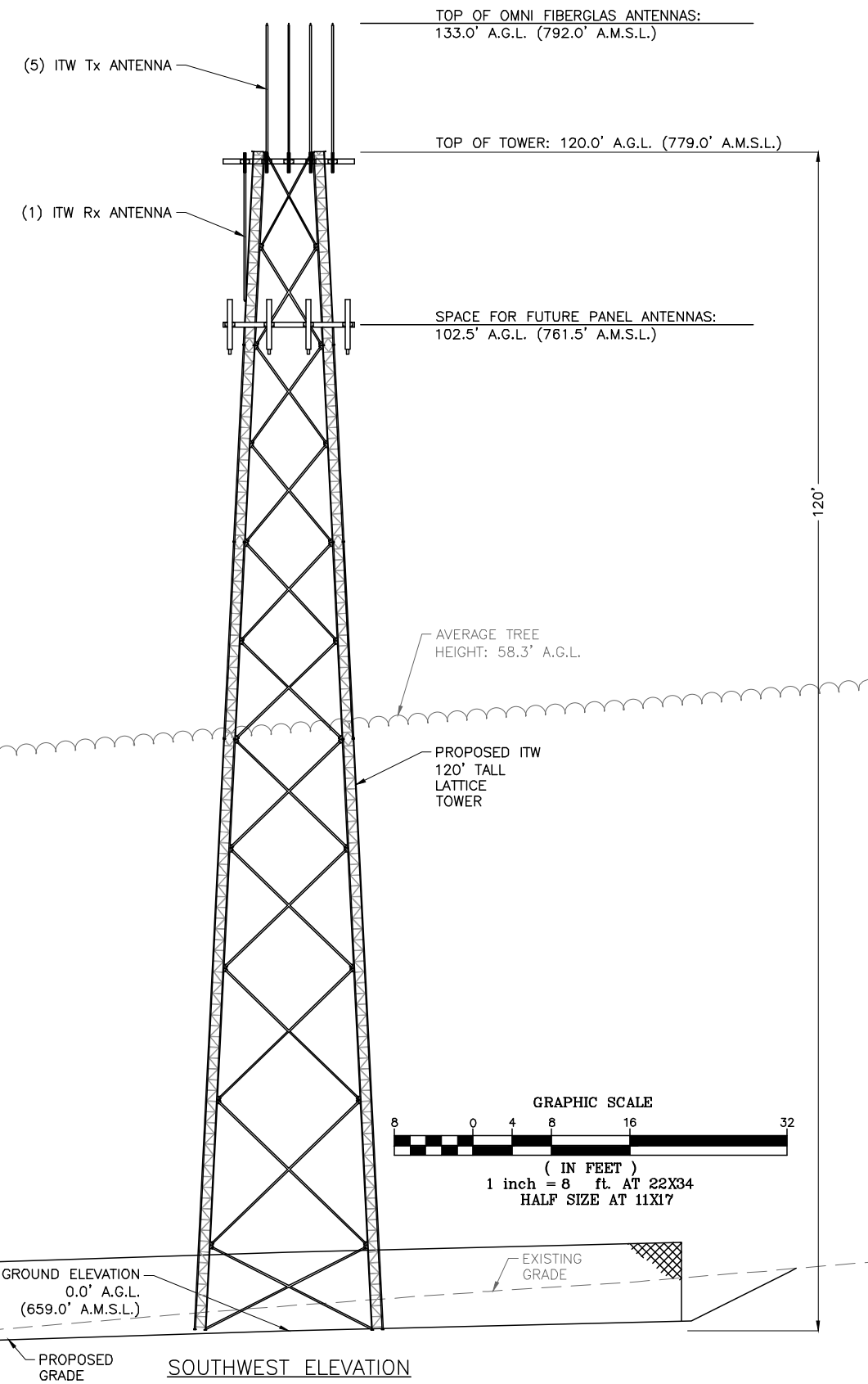
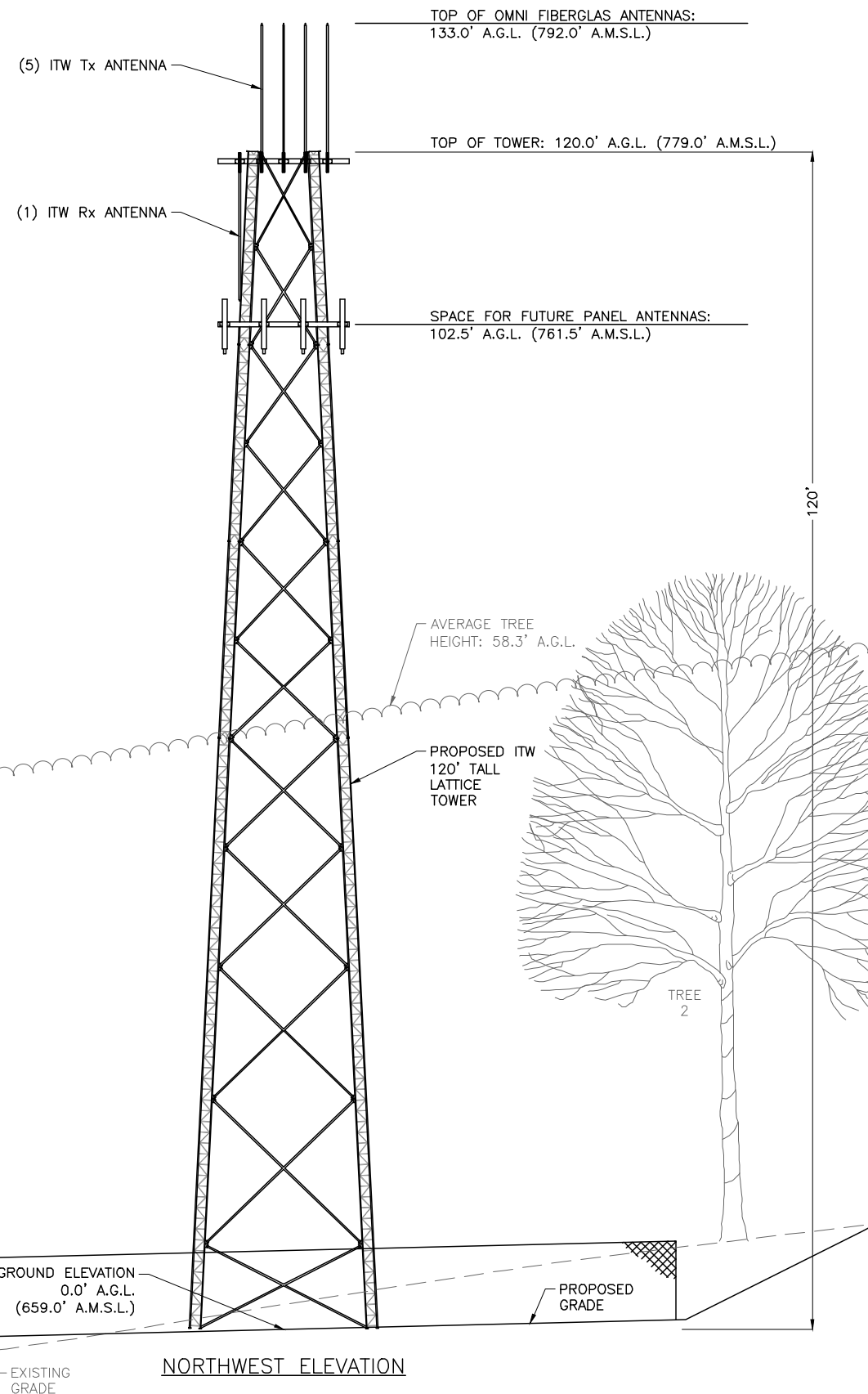
GRAPHIC SCALE



(IN FEET)

1 inch = 10 ft. AT 22X34

HALF SIZE AT 11X17



**NOT FOR
CONSTRUCTION
PRELIMINARY
PLANS**

[illegible]

**ITW
ENOSBURGH**

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE	
-------------	--

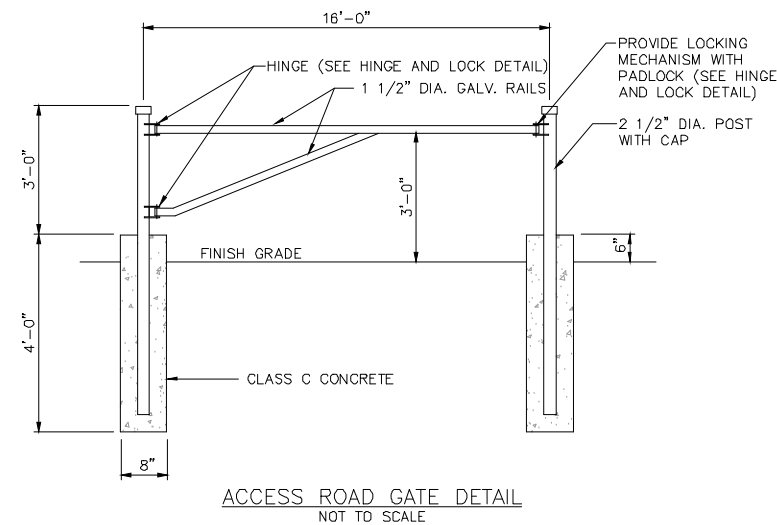
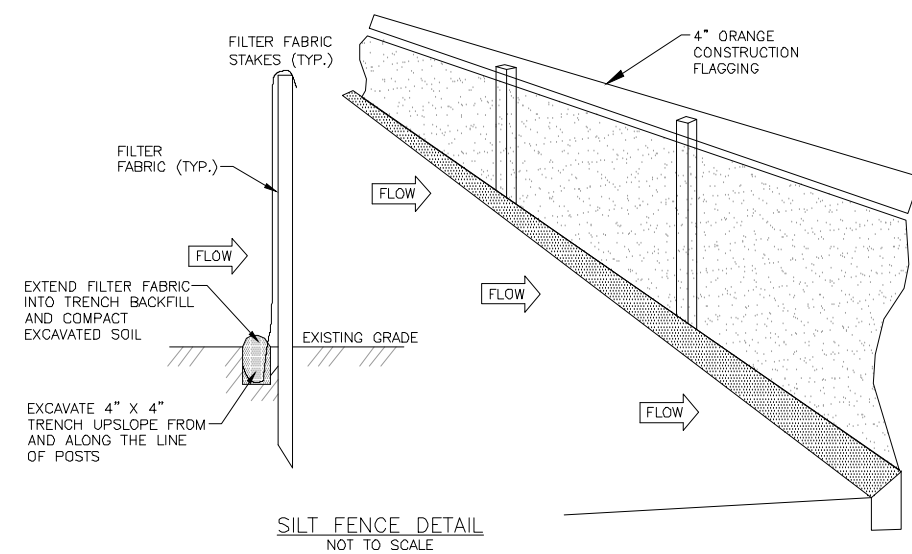
TOWER
ELEVATIONS

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

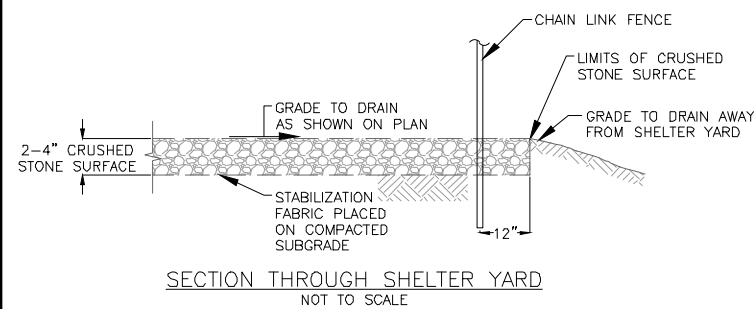
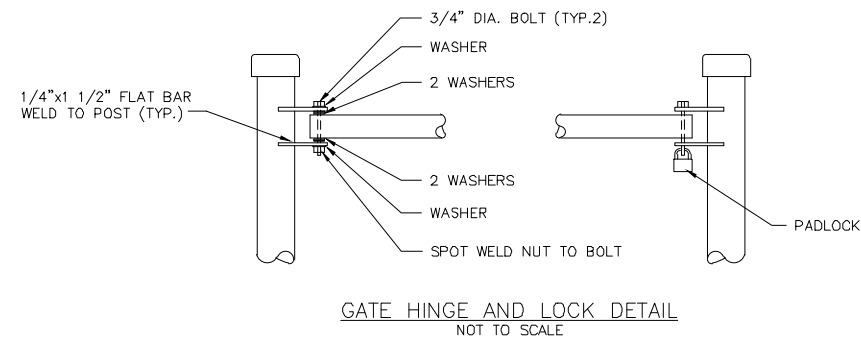
SHEET NUMBER	
--------------	--

C-8



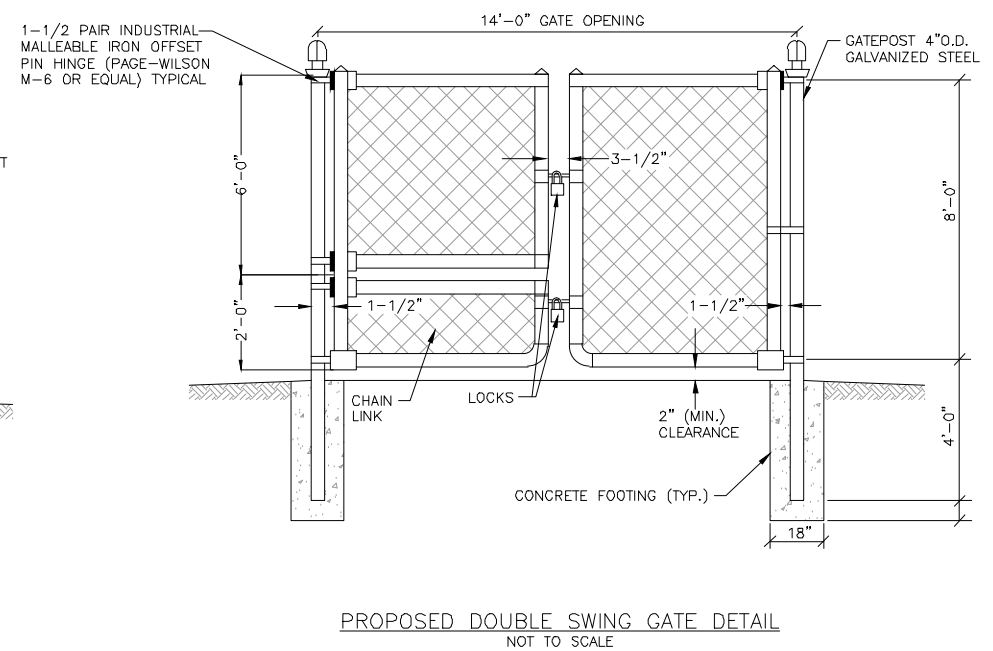
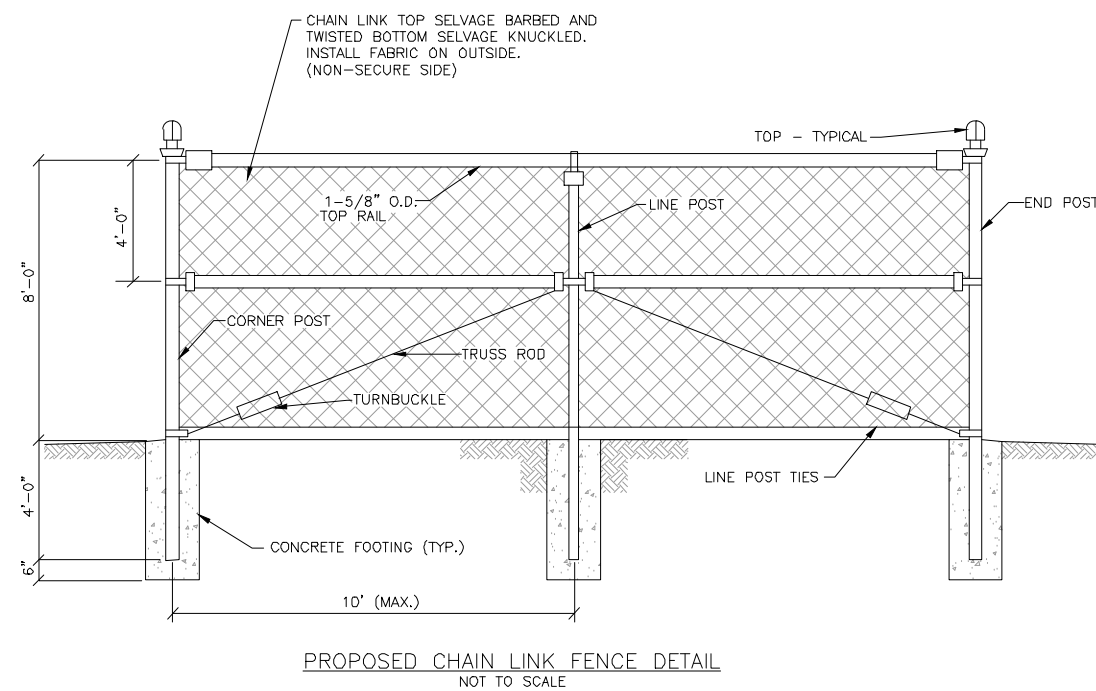
NOTES:

1. SEED AND MULCH ALL EXPOSED SOILS AS SOON AS FEASIBLE.
2. CONTRACTOR TO FOLLOW STATE OF VERMONT LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.

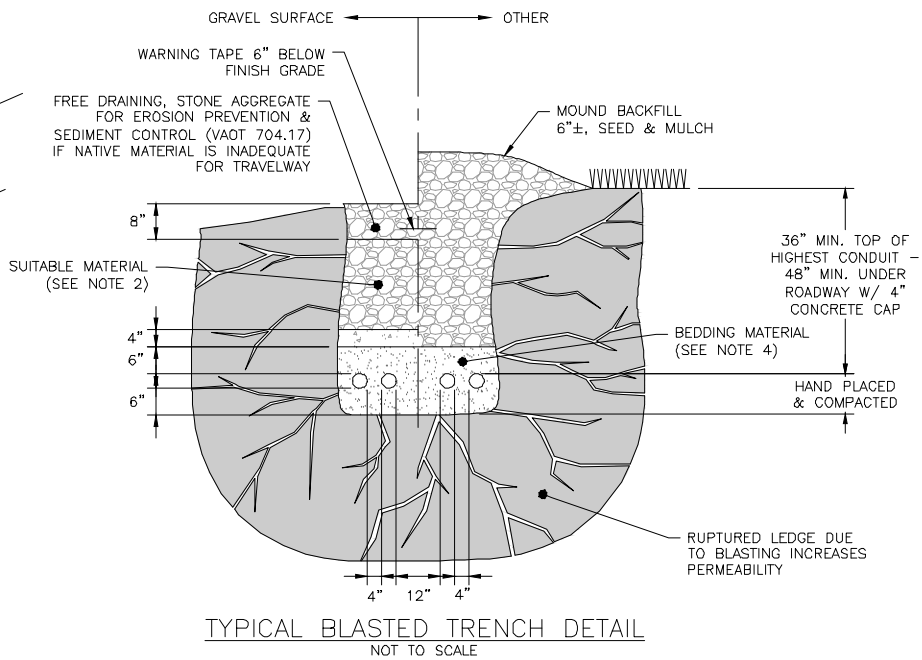
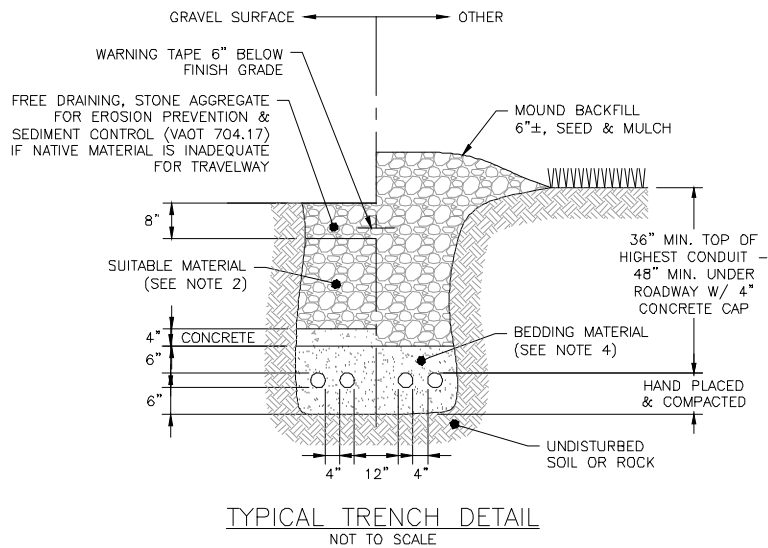
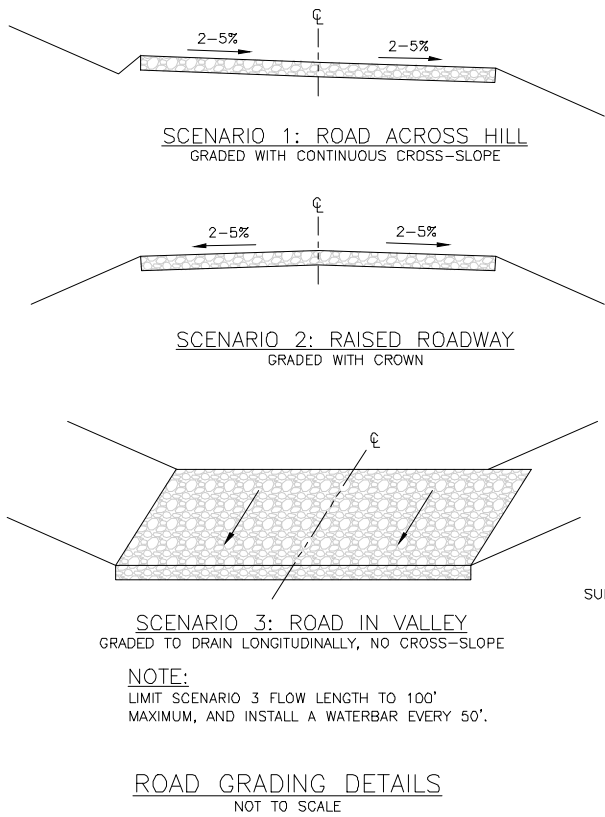


NOTE:

NOTE:
REMOVE TOPSOIL FOR THE PLACEMENT
OF YARD STONE AND STOCKPILE ON SITE.
BLEND TOPSOIL INTO NEW GRADE IMMEDIATELY
SURROUNDING THE FENCED-IN AREA, AND
INSURE THAT IT REMAINS WITHIN THE TOP
LAYER OF SOIL STRATA.

[illegible]

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #



1. ACCESS TO FOLLOW EXISTING PATHS WHENEVER FEASIBLE.
2. TREE CLEARING SHALL BE LIMITED TO THE MINIMUM REQUIRED TO PERMIT CONSTRUCTION VEHICLE ACCESS. SEE PLAN FOR CLEARING LIMITS. STUMPS OUTSIDE THE ACCESS, UTILITY TRENCH, OR FILL LIMITS SHALL BE LEFT IN PLACE.
3. CONSTRUCTION STANDARDS SHALL MEET OR EXCEED THOSE OUTLINED IN "THE ACCEPTABLE MANAGEMENT PRACTICES FOR MAINTAINING WATER QUALITY ON LOGGING JOBS IN VERMONT" HANDBOOK.
4. UTILITY TRENCH LOCATION SHOWN AS TYPICAL. REFER TO SITE PLAN FOR UTILITY PLACEMENT.
5. STABILIZE ALL EXPOSED SOILS IN CONFORMANCE WITH THE LOW RISK HANDBOOK OR STORMWATER CONSTRUCTION GENERAL PERMIT. AT A MINIMUM ALL SOILS SHALL BE STABILIZED WITHIN 14 DAYS.
6. CONTRACTOR TO FOLLOW STATE OF VERMONT LOW RISK HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL. SEE EPSC LOW RISK HANDBOOK.
7. REMOVE UNSUITABLE SUBGRADE MATERIAL AND REPLACE WITH CRUSHED STONE AGGREGATE OR NATIVE MATERIAL AND SLOPE TO PROVIDE STABLE WORKING SURFACE.
8. CUT/FILL SLOPES TO BE RE-SEEDING AND STABILIZED WITH MULCH, EROSION CONTROL MATTING, STONE RIPRAP, AND/OR WOOD CHIPS ONCE FINAL GRADE HAS BEEN ESTABLISHED.
9. ACCESS ROAD TO BE GRADED WITH A MINIMUM OF 2% CROSS-SLOPE.
10. RE-VEGETATED SLOPES EXCEEDING 3H:1V UPON RESTORATION TO BE MATTED WITH JUTE MAT EROSION CONTROL BLANKETS, NORTH AMERICAN GREEN S150BN, OR APPROVED EQUIVALENT.
11. INSTALL EROSION CONTROLS IN ACCORDANCE WITH THE SITE PLANS AND PROJECT PERMITS. ADDITIONAL EROSION CONTROLS MAY BE REQUIRED AS DIRECTED BY THE PROJECT ENVIRONMENTAL COMPLIANCE INSPECTOR OR THE ON-SITE PLAN COORDINATOR.
12. INSTALL PERMANENT WATER BARS IN ACCORDANCE WITH TYPICAL DETAIL.
13. MINIMALLY COMPACT EXISTING SUBGRADE MATERIAL AS NECESSARY TO CREATE A STABLE WORKING SURFACE FOR CONSTRUCTION ACCESS, WITHOUT OVER-COMPACTING AND CREATING AN IMPERVIOUS SURFACE. FOLLOWING HEAVY CONSTRUCTION TRAFFIC, TILL OR BACK BLADE THE ACCESS ROAD SUBGRADE PRIOR TO SURFACE COURSE PLACEMENT TO PROMOTE INFILTRATION.

1. WHERE BACKFILL IS DESIGNATED "COMPACTED", THIS MEANS 90% TO 95% STANDARD PROCTOR, AASHTO T-99. ALL FILL PLACED BELOW PIPES MUST MEET THIS REQUIREMENT.
2. SUITABLE MATERIAL SHALL CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO FROZEN LUMPS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MAXIMUM OF 12" LIFTS AND COMPACTED TO THE SAME LEVEL AS SURROUNDING EXISTING SUBGRADE BEFORE PLACING NEXT LIFT.
3. SEE ELECTRICAL PLANS FOR QUANTITY OF CONDUITS.
4. BEDDING MATERIAL MAY BE CRUSHED STONE, SAND, OR NATIVE MATERIAL FREE FROM ORGANICS AND STONES LARGE ENOUGH TO DAMAGE THE PIPE.

[illegible]

**ITW
ENOSBURGH**

BOROVILLE ROAD
ENOSBURGH, VT
05450

SHEET TITLE

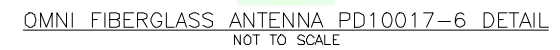
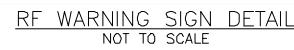
PERVIOUS
TELECOMM.
SURFACES

PERMIT PLANS

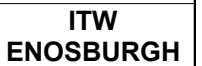
DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

SHEET NUMBER

C-10



ANTENNA FACIAL SURFACE AREA						
DESCRIPTION	HEIGHT (in)	DIAMETER (in)	SURFACE AREA (sq. ft.)	NUMBER OF UNITS	TOTAL SURFACE AREA (sq. ft.)	EXPOSED SURFACE AREA (sq. ft.)
OMNI FIBERGLASS PD10017-6	159.00	2.00	6.95	5	34.77	34.77
					TOTAL =	34.77

[illegible][illegible]

SHEET TITLE

PERMIT PLANS

DRAWN BY JWP	DATE JAN. 2022
CHECKED BY LJH	D&K PROJECT # 427611L1
PROJ. ENG. LJH	D&K ARCHIVE #

C-11

Low Risk Site Handbook for Erosion Prevention and Sediment Control 	Low Risk Site Handbook for Erosion Prevention and Sediment Control A construction stormwater discharge permit must be obtained for construction activity that results in total land disturbance of equal to or greater than 1 acre, including construction activities where disturbance is less than 1 acre, but is part of a larger common plan of development, if the larger development will ultimately result in the disturbance of 1 or more acres. Vermont Construction General Permit (CGP) 3-9020 guides an applicant in assessing the potential risk to water quality from the proposed construction activity and categorizes the project activity as Low Risk, Moderate Risk, or that which requires an Individual Permit. The practices in this handbook serve as the required Erosion Prevention and Sediment Control Plan for construction activity that is determined to be "Low Risk" under CGP 3-9020. Table of Contents Section 1: Introduction What is erosion prevention and sediment control? . . . 1	Section 2: The Requirements 1. Demarcate Limits of Disturbance 3 2. Pollution Prevention 5 3. Limit Concurrent Earth Disturbance 7 4. Site Stabilization 9 5. Stabilize Construction Access 14 6. Divert Upland Runoff 17 7. Install Perimeter Controls 21 8. Storm Inlet Protection 33 9. Water Bars 37 10. Slow Down Channelized Runoff 39 11. Slope Stabilization 45 12. Winter Construction Requirements 49 13. Dewatering Activities 55 14. Concrete Washout 57 15. Permanent Controls 59 16. Inspection, Maintenance, and Discharge Reporting 61 Section 3: Additional Resources How to calculate slope 63 How to estimate area 63	Section 1 Introduction What is erosion prevention and sediment control? Stormwater runoff carrying sediment into streams, lakes, and wetlands is a large contributor to surface water quality problems in Vermont. Sediment discharges from unmanaged construction sites can adversely impact aquatic habitat, and may have lasting impacts on fish and other aquatic organisms. On most construction sites, the existing vegetation that holds the soil in place and protects it from the erosive forces of rain and runoff is removed, leaving large areas of soil exposed. During rainfall or snowmelt, the exposed soil may be easily eroded and transported to nearby streams, lakes, or wetlands*.  1	To prevent this from happening, a small number of practices to prevent erosion and contain soil on the construction site must be used. The most effective approach to prevent a sediment discharge is temporary and final stabilization of exposed soils. Controls for sediment laden runoff are necessary at times, but should not be used as the primary means of prevention. *Projects involving work within a jurisdictional (perennial) waterway for stream alteration, please contact your regional River Management Engineer for technical and permitting assistance. *Projects involving work within or adjacent to jurisdictional lakes or buffers, please contact your regional Lakes and Ponds permitting staff for technical and permitting assistance. *Projects involving work within jurisdictional wetlands or buffers, please contact your regional Wetland Ecologist for technical and permitting assistance. Introduction 2	Section 2 The Requirements 1. Demarcate Limits of Disturbance Purpose: Delineating the site will help to: limit the area of disturbance to only what is necessary for construction, prevent unauthorized disturbance, preserve existing vegetation, and limit erosion potential on the site. Requirement: You must physically mark the limits of construction activity using one of the methods described below.  3	How to comply: Before initiating any earth disturbing activities, install a perimeter fence, orange barrier tape, or flagging on stakes or trees to physically demarcate the approved limits of earth disturbance.  Properly placed barrier tape marks the boundaries and limits of construction on this site.  Demarcate Limits of Disturbance 4	2. Pollution Prevention Purpose: Many construction sites require storage of chemicals and materials that have detrimental effects if released into our waterways. A storage plan for these potential pollution sources as well as a spill prevention and clean up plan are required to mitigate these risks. Requirement: Design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained in accordance with the following requirements. 5	DuBois & King Inc. ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT 6 GREEN TREE DRIVE SO. BURLINGTON, VT 05403 TEL: (802) 878-7661 FAX: (866) 783-7101 www.dubois-king.com RANDOLPH, VT SPRINGFIELD, VT BRANDON, VT BEDFORD, NH LACONIA, NH © Copyright 2025 Dubois & King Inc. PROFESSIONAL SEAL NOT FOR CONSTRUCTION PRELIMINARY PLANS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

