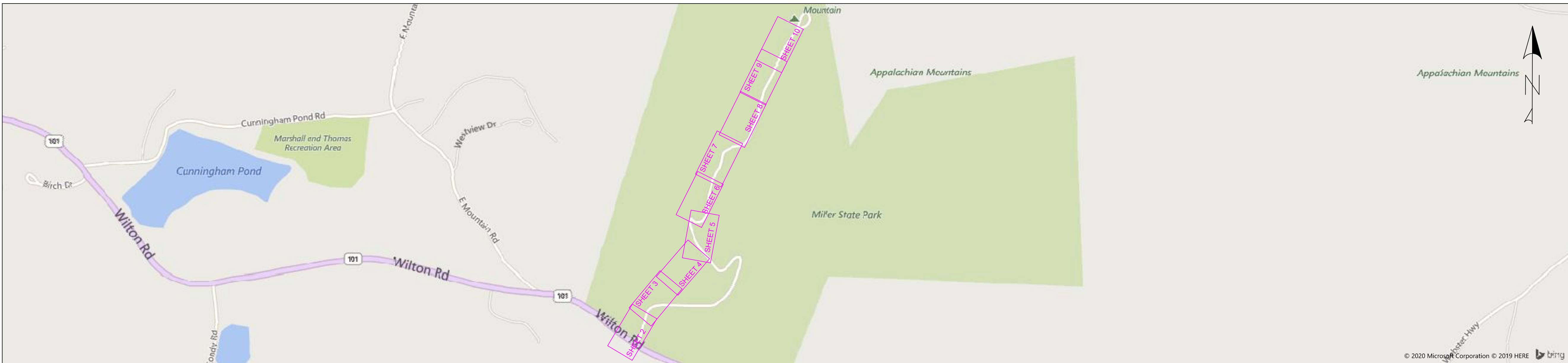
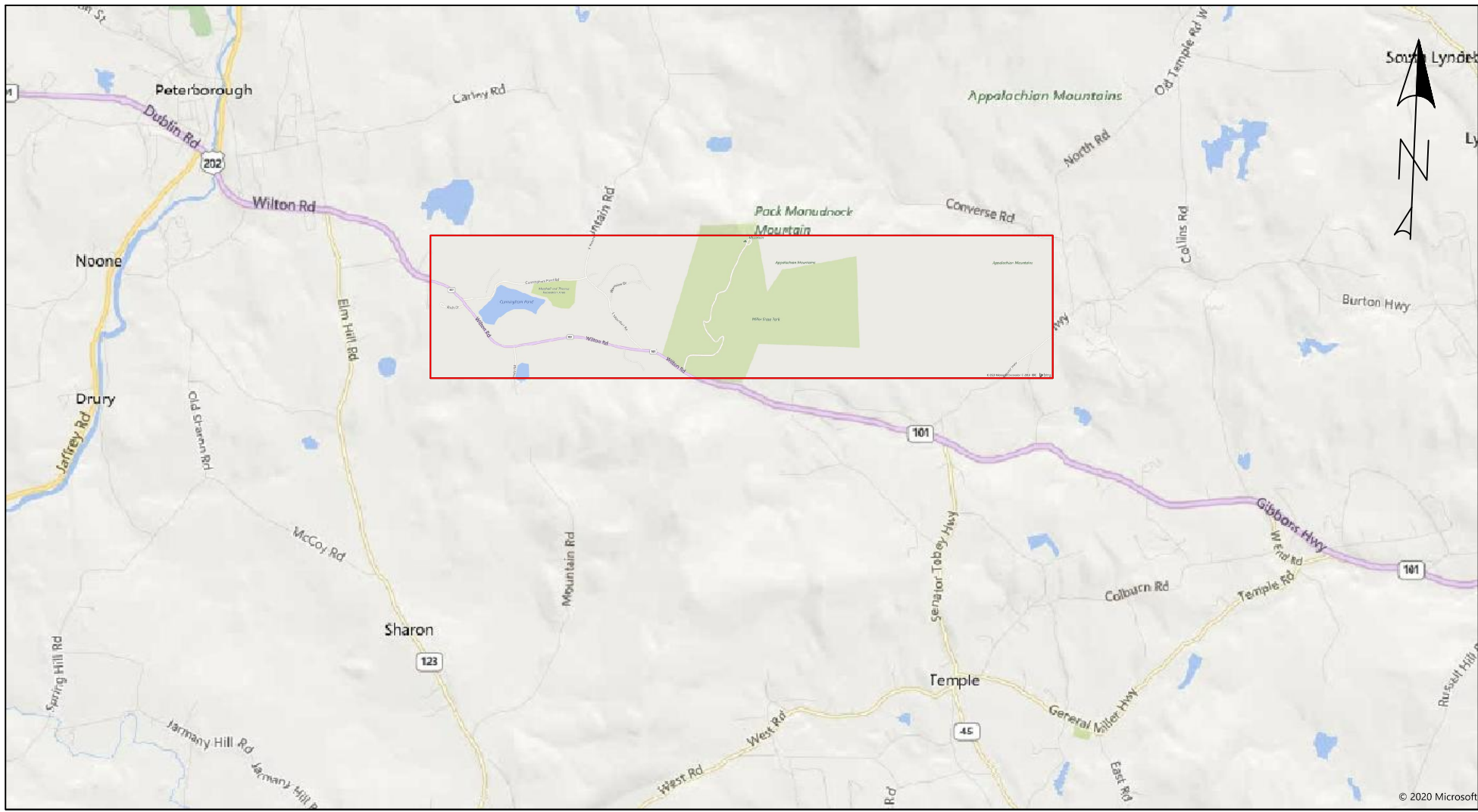


3155X9, 4KV CIRCUIT, MILLER STATE PARK – STATE OWNED LAND CROSSING
PETERBOROUGH AND TEMPLE, NH



KEY PLAN
SCALE: N/A

PROJECT LOCATION MAP
SCALE: N/A



NHPUC CALCULATIONS OF SPANS & STATE LAND CROSSINGS			
SPAN	TOTAL DISTANCE (FT)	LOCATION INFORMATION	CABLE INSTALLATION INFORMATION
A	123	Aerial: 37/47 - 81/1	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
B	147	Aerial: 81/1 - 81/2	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
C	164	Aerial: 81/2 - 81/3	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
D	138	Aerial: 81/3 - 81/4	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
E	130	Aerial: 81/4 - 81/5	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
F	304	Aerial: 81/5 - 81/6	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
G	163	Aerial: 81/6 - 81/7	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
H	260	Aerial: 81/7 - 81/8	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
I	156	Aerial: 81/8 - 81/9	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
J	141	Aerial: 81/9 - 81/10	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
K	135	Aerial: 81/10 - 81/11	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
L	186	Aerial: 81/11 - 81/12	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
M	113	Aerial: 81/12 - 81/13	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
N	94	Aerial: 81/13 - 81/13X	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
NA	22	Underground: 81/13 - MIT Meter	500 MCM UG
O	163	Aerial: 81/13 - 81/14	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
P	197	Aerial: 81/14 - 81/15	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
Q	192	Aerial: 81/15 - 81/16	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
R	206	Aerial: 81/16 - 81/17	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
S	176	Aerial: 81/17 - 81/18	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
T	160	Aerial: 81/18 - 81/19	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
U	170	Aerial: 81/19 - 81/20	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
V	156	Aerial: 81/20 - 81/21	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
W	213	Aerial: 81/21 - 81/22	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
X	205	Aerial: 81/22 - 81/23	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
Y	244	Aerial: 81/23 - 81/24	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
Z	204	Aerial: 81/24 - 81/25	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
AA	213	Aerial: 81/25 - 81/26	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
AB	180	Aerial: 81/26 - 81/27	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
AC	204	Aerial: 81/27 - 81/28	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
AD	141	Aerial: 81/28 - 81/29	1/0 ACSR 175MIL TW w/ 052 AWA Messenger
AE	124	Underground: 81/29 - 81/29S1	2x 1/0 AL UG
AF	-	Intentionally Omitted	-
AG	140	Underground: 81/29T2J1 to NHDES Meter Socket	350 MCM UG
AH	8	Underground: 81/29T2J2 to SPC Meter #1	4/0 AL UG
AI	11	Underground: 81/29T2J2 to SPC Meter #2	4/0 AL UG
Total Span Length Project Area		5583	
Less Span Distance Crossed NH DOT ROW		476.9	
Total Span Length Crossed Over State Owned Lands		5106.1	

DOT ROW (Subtract Values)	37/47 - 81/1	66.9
	81/4 - 81/5	20
	81/9 - 81/10	71
	81/10 - 81/11	3
	81/11 - 81/12	13
	81/12 - 81/13	69
	81/13 - 81/13X	13
	81/29 - 81/29S1	116
	81/29T2J1 to NHDES	100
	81/29T2J2 to SPC #1	2
	81/29T2J2 to SPC #2	3
	Total	476.9

LEGEND	
	- PROPOSED POLE
	- PROPOSED ELECTRIC LINE
	- PROPOSED DUCTBANK
	- PROPOSED ANCHOR GUY
	- EXISTING POLE
	- EXISTING ANCHOR GUY
	- EDGE OF PAVEMENT
	- BUILDING
	- ELECTRICAL METER
	- RETAINING WALL
	- PROPOSED LICENSED EVERSOURCE AREA BOUNDARY (20' TOTAL WIDTH)
	- EXISTING LICENSED EVERSOURCE AREA BOUNDARY (20' TOTAL WIDTH)
	- NH STATE DOT ROW BOUNDARY
	- APPROXIMATE TOWN LINE
	- APPROXIMATE PROPERTY LINE
	- LEDGE
	- PATH

GENERAL NOTES

- THE PURPOSE OF THIS PLAN IS TO DEPICT THE CONSTRUCTION OF THE PROPOSED POLE LINE TO FEED MILLER STATE PARK AND ANY STATE OWNED LAND CROSSINGS.
- SURVEY CONTROL INFORMATION CONTROLLED BY TRIMBLE R-10 GPS RECEIVER RTK CORRECTIONS VIA KEYNET VRS
HORIZONTAL DATUM: NAD83 (2011)
VERTICAL DATUM: NAVD88
HORIZONTAL PROJECTION: NEW HAMPSHIRE STATE PLANE
US SURVEY FEET
- SEE FOLLOWING WORK REQUESTS FOR INSTALLATION INFORMATION:
 - POLES 37/47 - 81/7 TO BE INSTALLED UNDER WR# 3367138
 - POLES 81/8 - 81/13X TO BE INSTALLED UNDER WR# 3367164
 - POLES 81/14 - 81/23 TO BE INSTALLED UNDER WR# 3160624
 - POLES 81/24 - 81/29 TO BE INSTALLED UNDER WR# 3160599
 - SUMMIT WORK TO BE INSTALLED UNDER WR# 3367212
- TOTAL DISTANCE OF STATE OWNED LAND CROSSING EXCLUDING NH DOT ROW AREAS IS 5106.1 FT

ASSUMPTIONS / CLARIFICATIONS

- CONDUCTORS SHOWN AT TEMPERATURE CONDITION OF 120 DEGREES F BASED ON STRINGING TENSIONS OF 1000 LBS & 700 LBS AT 60 DEGREES F. PROPOSED CONDUCTOR IS A 1-1/C 1/0 TW HENDRIX W/ 1/0 MESSENGER.
- COMMUNICATION CABLES MODELED AT 2,000LBS DESIGN TENSION AT 120 F ASSUMED 1" COMMUNICATION ATTACHMENT WITH 6M MESSENGER
- ALL PROFILES ARE GENERATED USING THE MOST RECENT STATE LIDAR SURFACE FILES
- EXCEPT FOR AREAS WITHIN THE NH DOT ROW THE 4KV CIRCUIT LICENSE AREA DEPICTED IS ASSUMED TO BE A LIMITED ACCESS ROW NOT SUBJECT TO VEHICLE TRAFFIC
- THE ROW CENTERLINE IS ASSUMED TO BE THE CONDUCTOR PATH SHOWN IN THE PLAN BASED ON THE NEW STATE OF NEW HAMPSHIRE, DEPARTMENT OF NATURAL AND CULTURAL RESOURCES USE AND OCCUPANCY LICENSE. THIS IS BASED ON THE PROPOSED ADJUSTMENTS NOT THE EXISTING ROW
- THE ASSUMED ROW IS 16' FROM WILTON RD TO POLE 81/13X AND 20' FROM POLE 81/13 TO POLE 81/29
- THE PROPERTY LINES SHOWN ON THIS PLAN WERE COMPILED FROM LOCAL ASSESSOR'S PLATS AND FROM PREVIOUS PLANS AND DEEDS OF RECORD. VHB HAS NOT PERFORMED A FIELD SURVEY TO VERIFY THE PROPERTY LINES.

NESC VERTICAL CLEARANCE (FT)	
NATURE OF SURFACE UNDERNEATH WIRES, CONDUCTORS OR CABLES	LINE VOLTAGE
ROADS, STREETS AND OTHER AREAS SUBJECT TO TRUCK TRAFFIC	4.16 kV
SPACES AND WAYS SUBJECT TO PEDESTRIAN OR RESTRICTED TRAFFIC ONLY	14.5

INDEX OF DRAWINGS

0 TITLE SHEET
1-11 PLAN AND PROFILE SHEETS

REV	DATE	CHK'D	APP'D	REVISION DESCRIPTION

DESIGNED JDF
DRAWN EA
APPROVED SAS

ISSUED FOR
REVIEW AND COMMENT
NOT CONSTRUCTION DOCUMENT



3155X9, 4KV CIRCUIT, MILLER STATE
PARK – STATE OWNED LAND CROSSING
PETERBOROUGH AND TEMPLE, NH

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