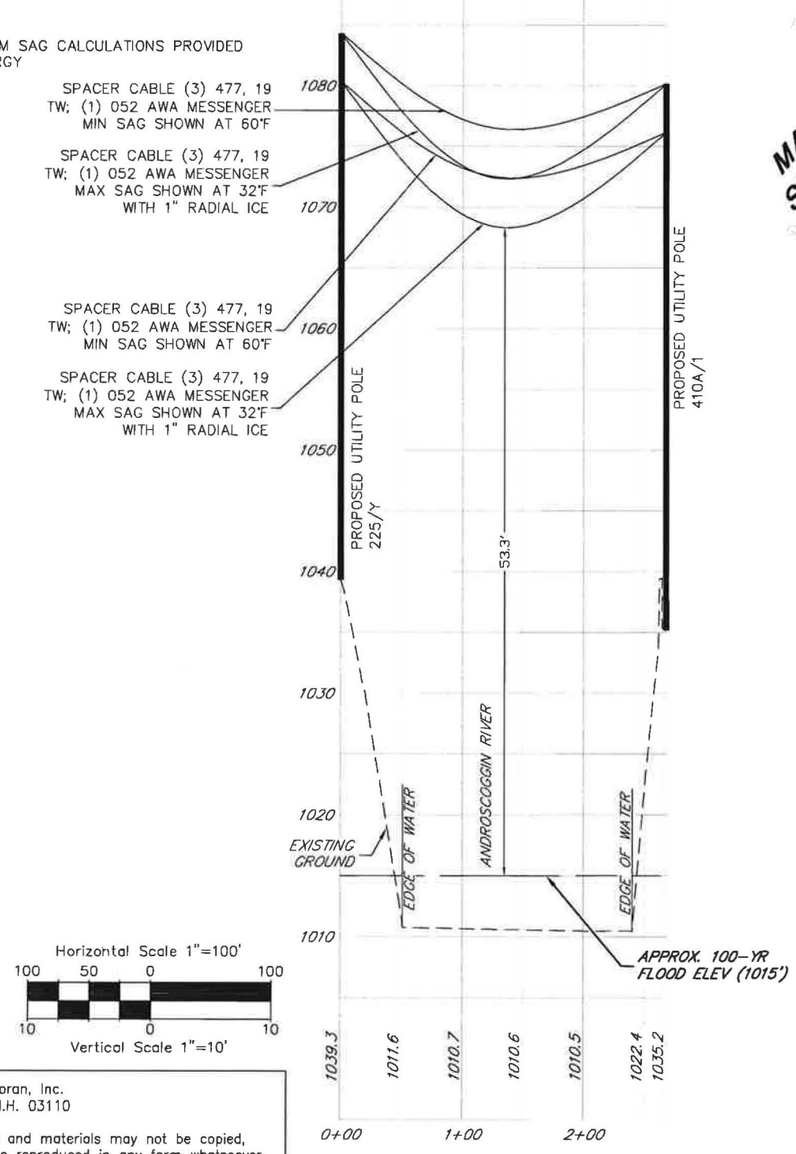
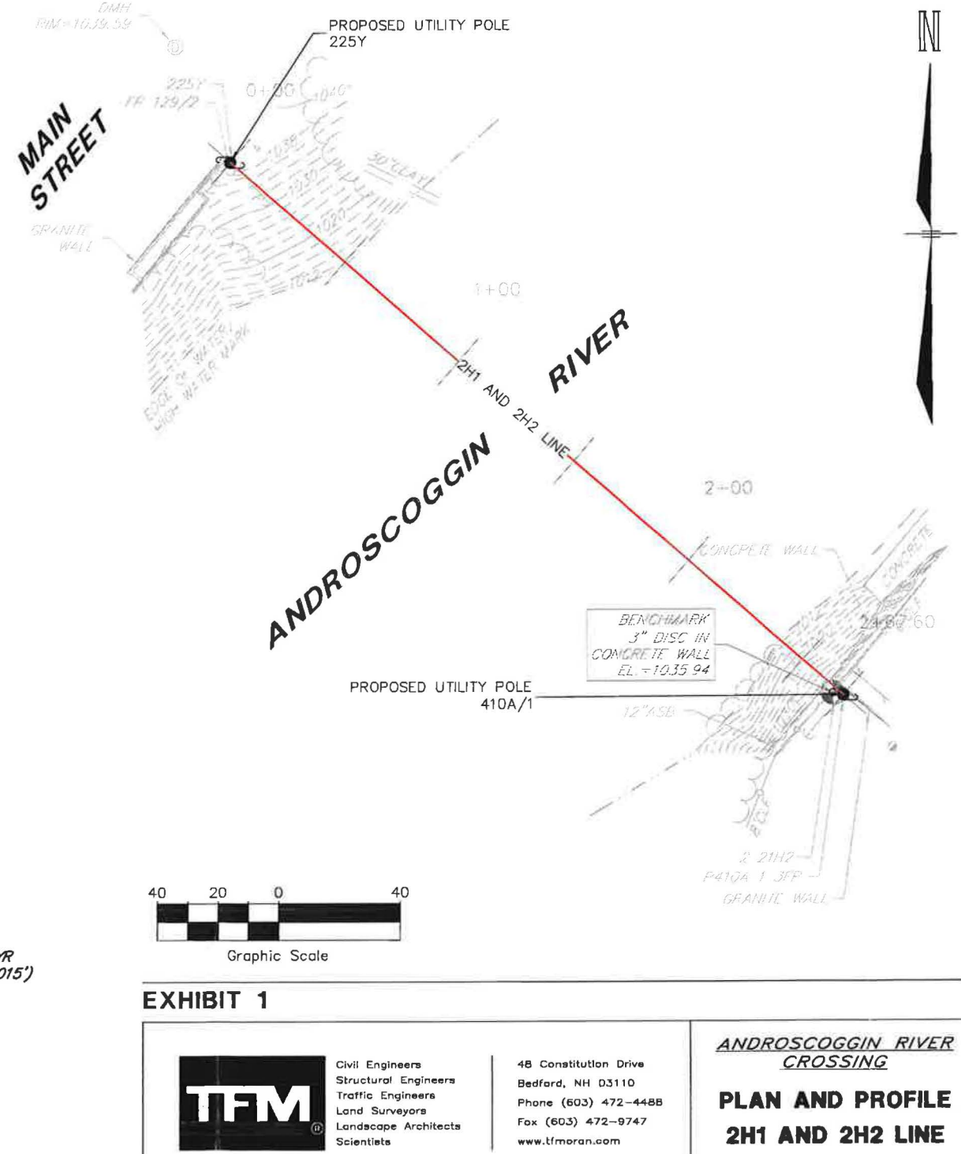
NOTES

1. MINIMUM AND MAXIMUM SAG CALCULATIONS PROVIDED BY EVERSOURCE ENERGY



Horizontal Scale 1"=100'
100 50 0 100

Vertical Scale 1"=10'
10 0 10



40 20 0 40
Graphic Scale

EXHIBIT 1

Copyright 2017 ©Thomas F. Moran, Inc.
48 Constitution Drive, Bedford, N.H. 03110

All rights reserved. These plans and materials may not be copied, duplicated, replicated or otherwise reproduced in any form whatsoever without the prior written permission of Thomas F. Moran, Inc.

This plan is not effective unless signed by a duly authorized officer of Thomas F. Moran, Inc.

REV.	DATE	DESCRIPTION	DR	CK

TFM

Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	SCALE	DATE
95806.00	AS SHOWN	9/7/17
DR: JB	CK: NG	CADFILE: 95806-00 PUC.DWG

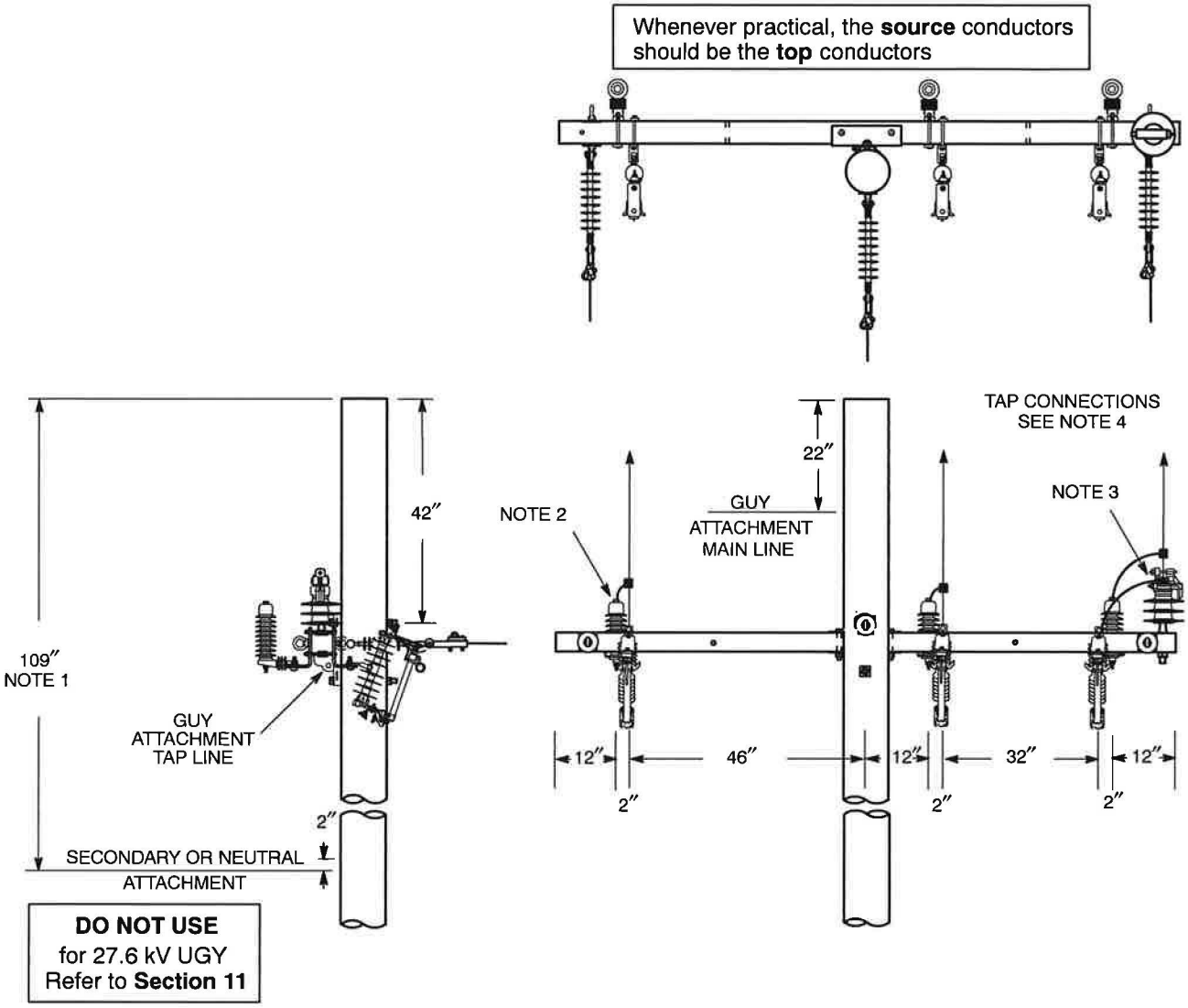
ANDROSCOGGIN RIVER CROSSING

PLAN AND PROFILE
2H1 AND 2H2 LINE

PREPARED FOR
EVERSOURCE ENERGY

STRUCTURE LIMIT MAIN LINE C4, A3 (CROSSARM REPLACEMENT ONLY), S2 – NOTE 1
TAP LINE C4

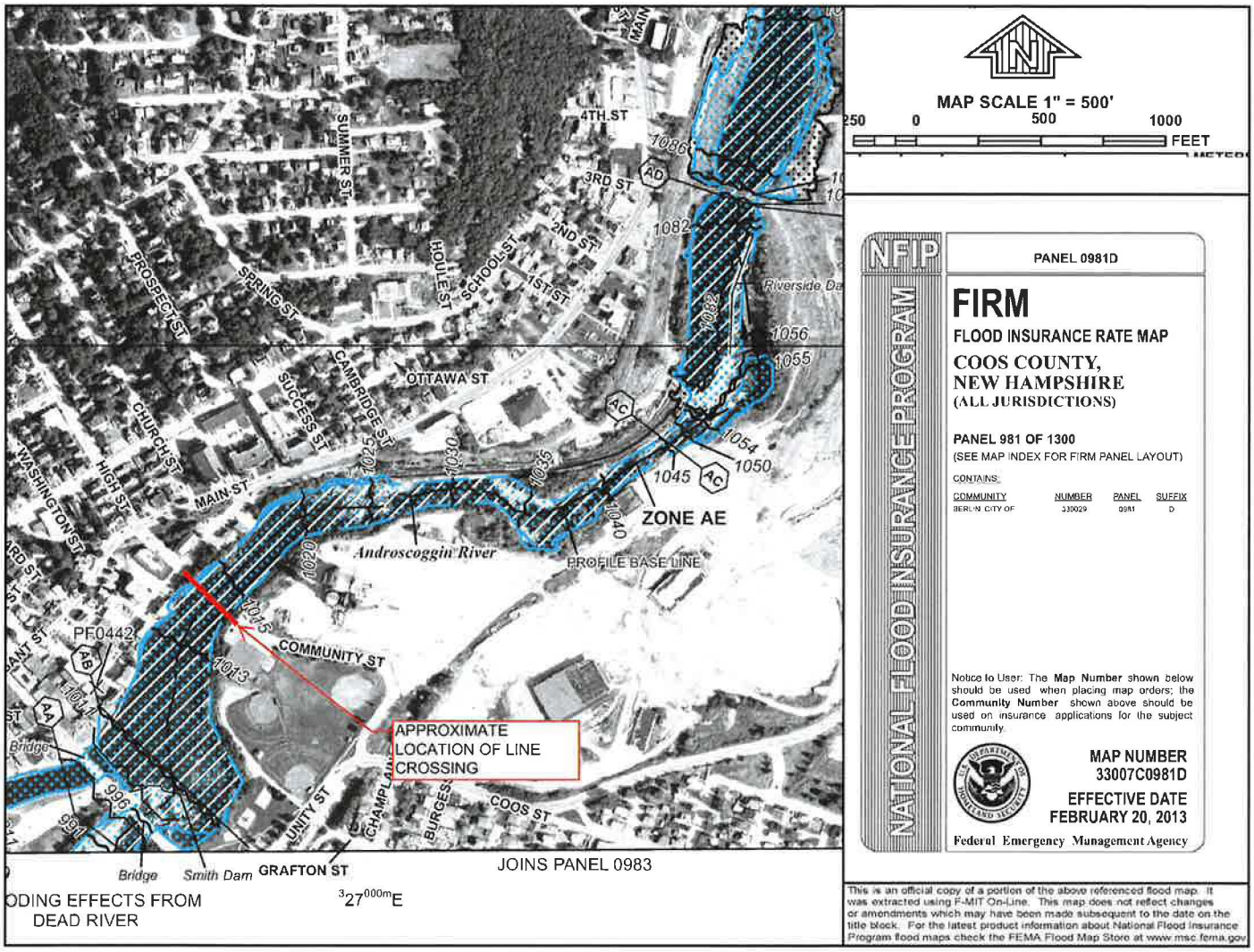
SELECT POLE TOP FROM SECTION 10



Notes

1. If Structure Limit C1 or C2 crossarm construction or crossarm replacement style armless construction Structure Limit A3 is used on the main line, the tap line conductors may be installed ten inches higher and the secondary or neutral may be attached at 82 inches.
2. If lightning arresters or cutouts are required, install as shown. Cutouts and arresters should be installed on opposite sides of the crossarm. They may be installed on either the road or field side of the pole as appropriate. Select arresters from **Section 16** and cutouts from **Section 18**. If cutouts will not be installed, an 8 foot crossarm may be installed here.
3. Install insulators where needed to support taps to the main line.
4. Maintain the phase configuration as shown in **DTR 07.015** when connecting taps to the main line.

EXHIBIT 3


MAP SCALE 1" = 500'
250 0 500 1000
FEET
NFIP
PANEL 0981D
FIRM
FLOOD INSURANCE RATE MAP
COOS COUNTY, NEW HAMPSHIRE
(ALL JURISDICTIONS)
PANEL 981 OF 1300
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
BERLIN, CITY OF 330029 0981 D
NATIONAL FLOOD INSURANCE PROGRAM
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.
MAP NUMBER
33007C0981D
EFFECTIVE DATE
FEBRUARY 20, 2013
Federal Emergency Management Agency
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov
4TH ST
3RD ST
2ND ST
1ST ST
SUMMER ST
PROSPECT ST
SPRING ST
HOULE ST
SCHOOL ST
CAMBRIDGE ST
SUCCESS ST
OTTAWA ST
CHURCH ST
HIGH ST
MAIN ST
WASHINGTON ST
COMMUNITY ST
UNITY ST
CHAMPLAIN
BURGESS
COOS ST
GRAFTON ST
Androscoggin River
ZONE AE
PROFILE BASE LINE
APPROXIMATE LOCATION OF LINE CROSSING
PE0442
Bridge
Smith Dam
JOINS PANEL 0983
ODING EFFECTS FROM DEAD RIVER
$^{3}27^{000m}$E

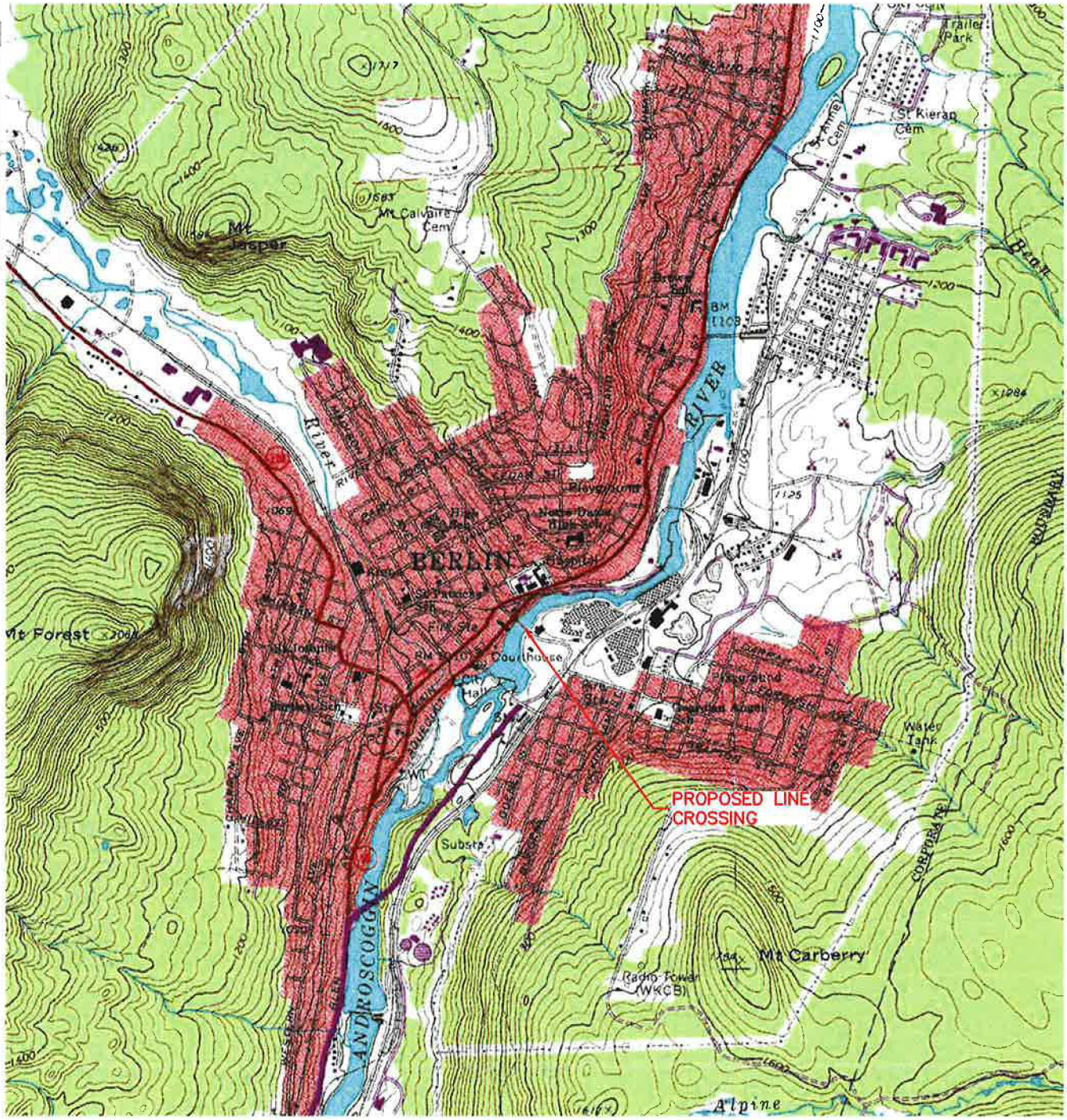


EXHIBIT 4

TFM

Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

ANDROSCOGGIN RIVER CROSSING

USGS LOCUS MAP
2H1 AND 2H2 LINE

PREPARED FOR
EVERSOURCE ENERGY

FILE	SCALE	DATE
95806-00	1"=2,000'	6/15/17
	DR: JB CK: NG CADFILE: 95806-00 PUC.DWG	