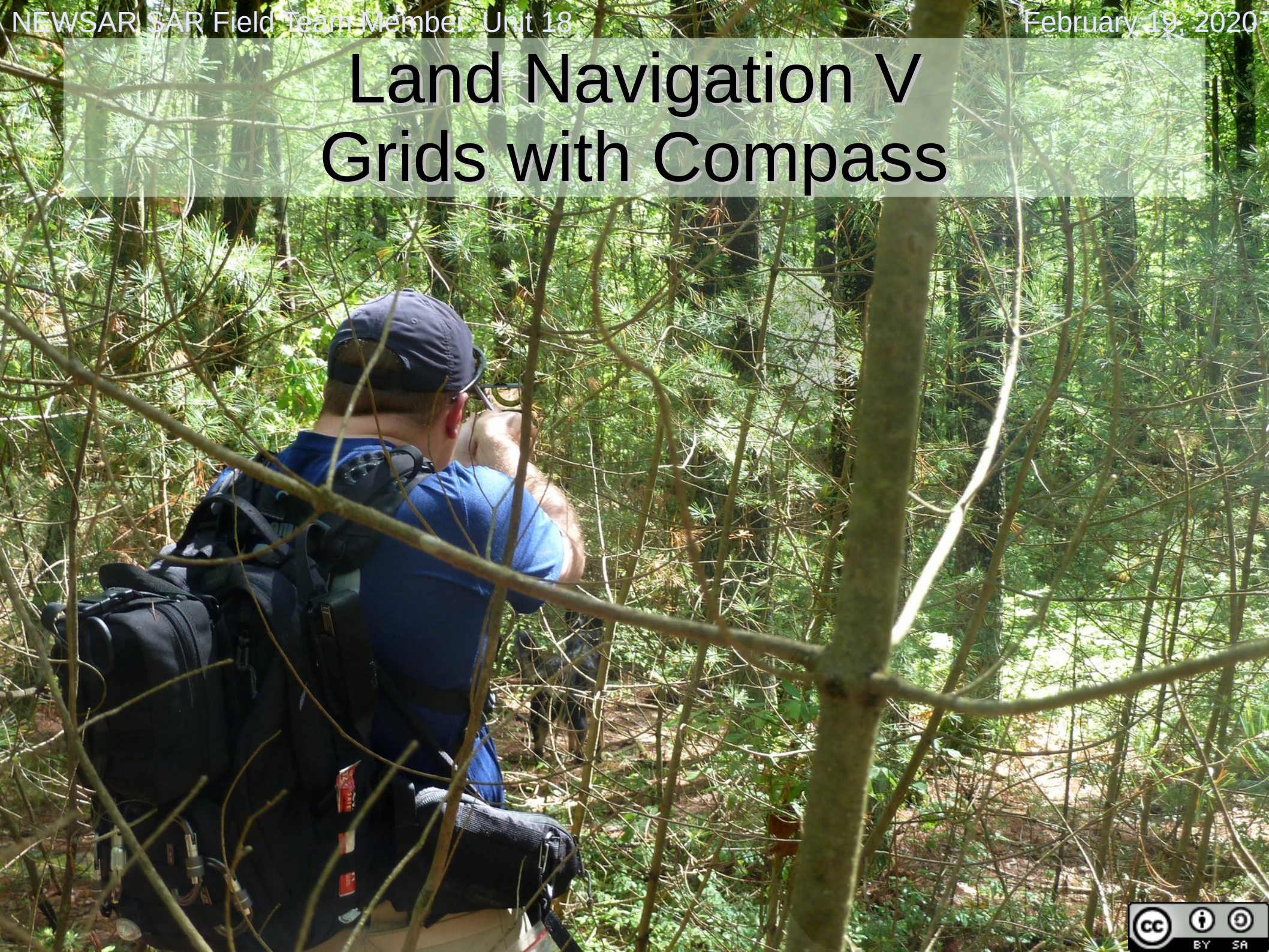
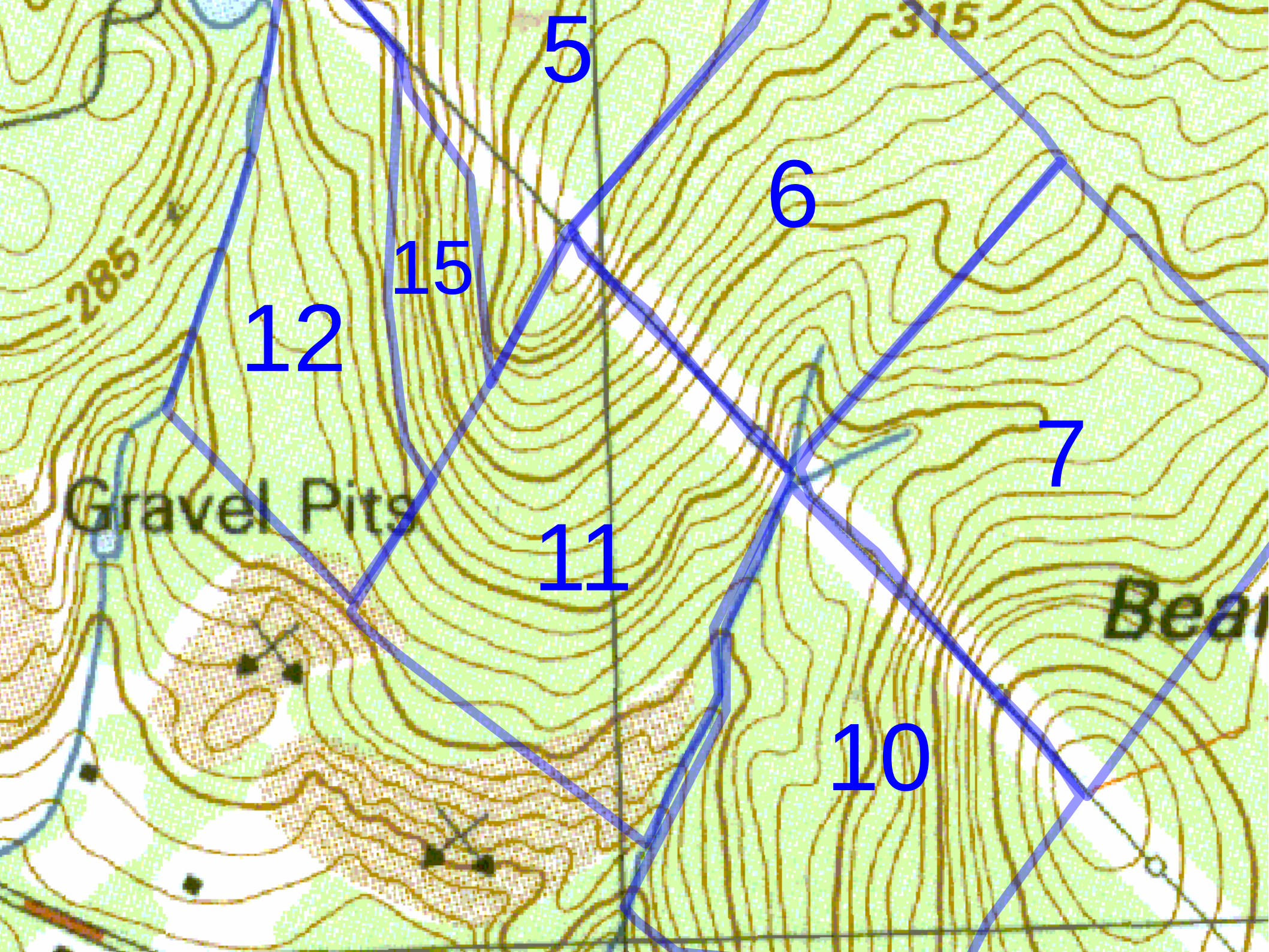


Land Navigation V Grids with Compass

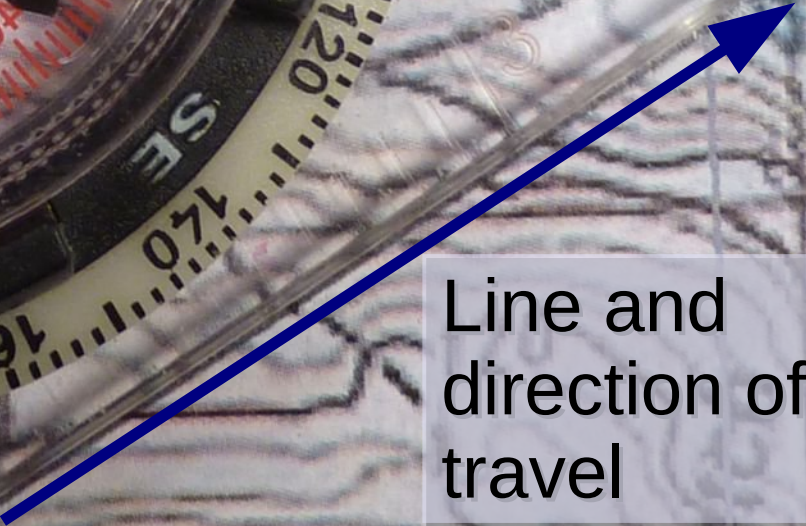




Direction of travel



Line and direction of travel





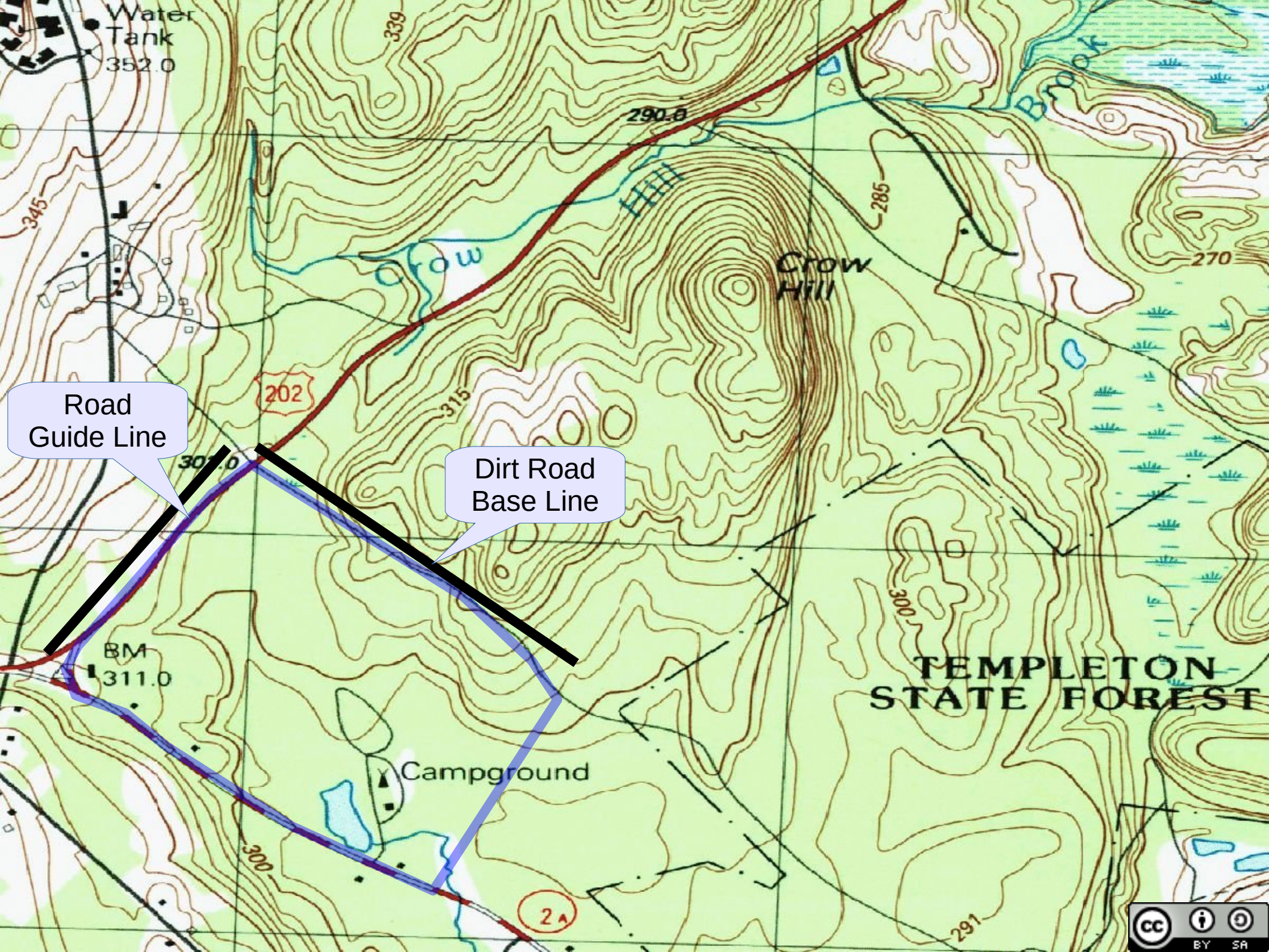
Direction of travel

Bearing

Grid Line on Map

Grid Line on Dial

Line and direction of travel



Water Tank
352.0

Road
Guide Line

Dirt Road
Base Line

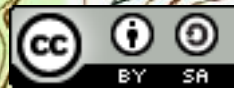
Crow Hill

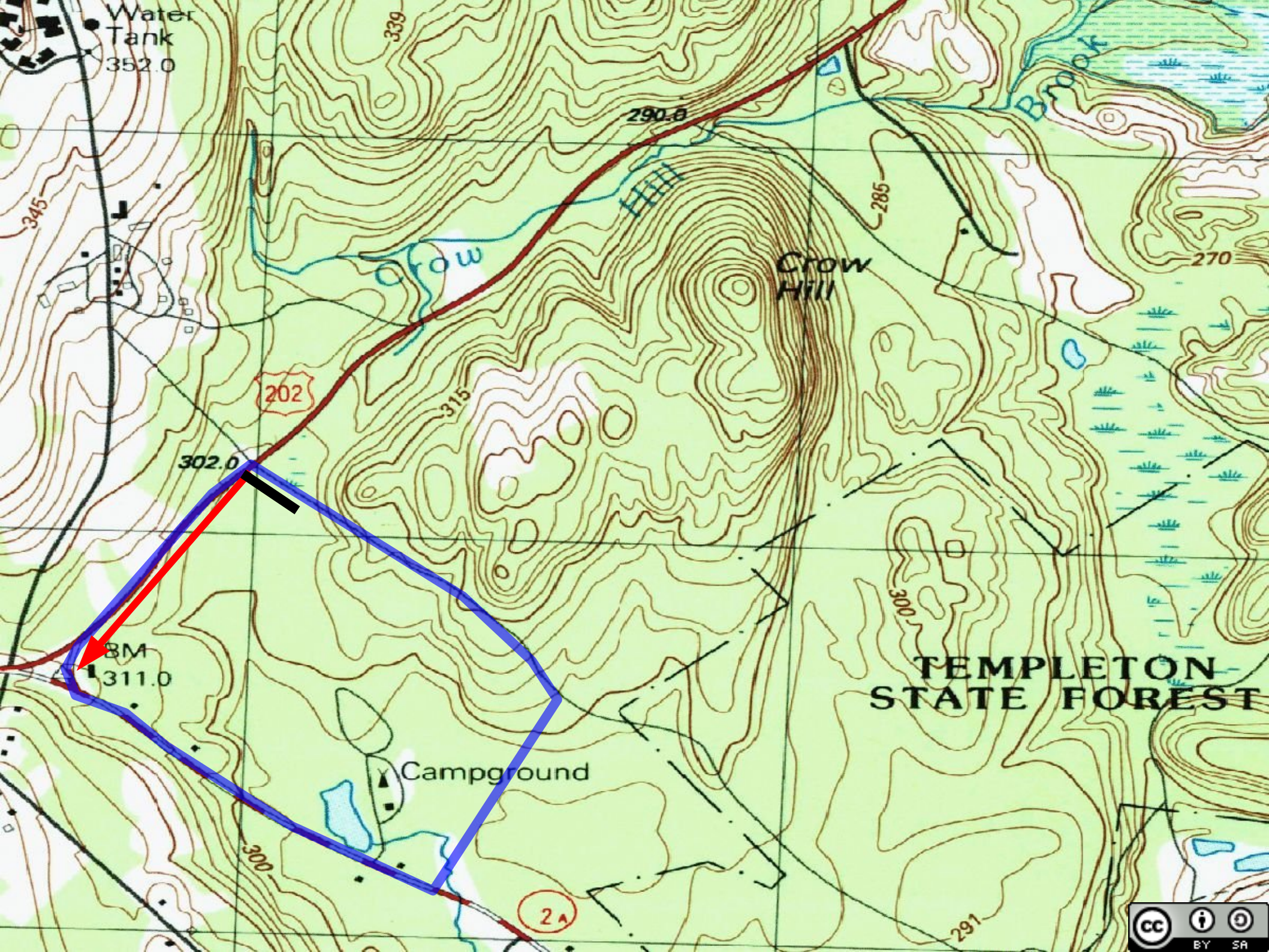
BM
311.0

Campground

TEMPLETON
STATE FOREST

2A





Water Tank
352.0

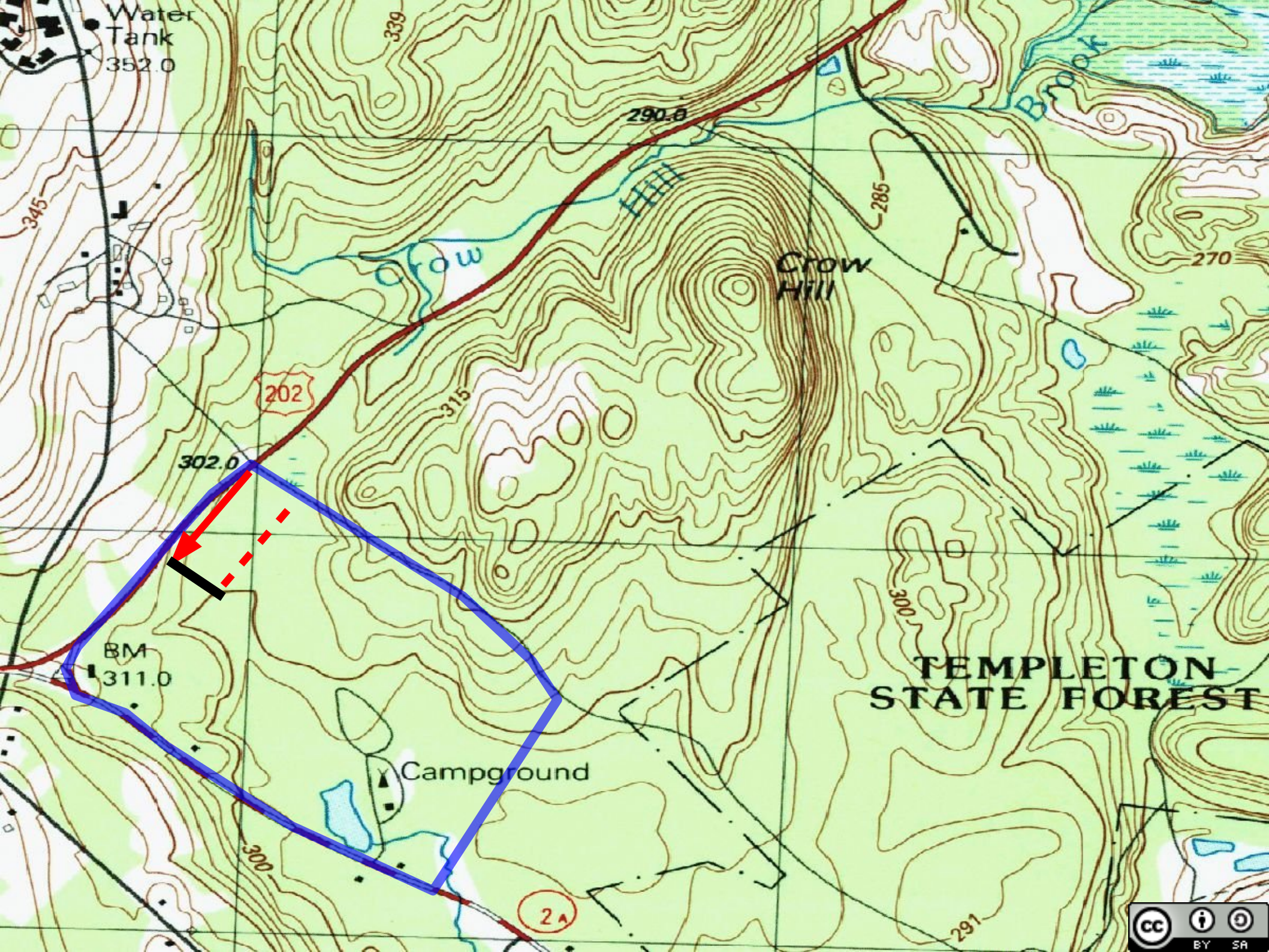
202

Crow Hill

TEMPLETON
STATE FOREST

Campground

2A



Water Tank
352.0

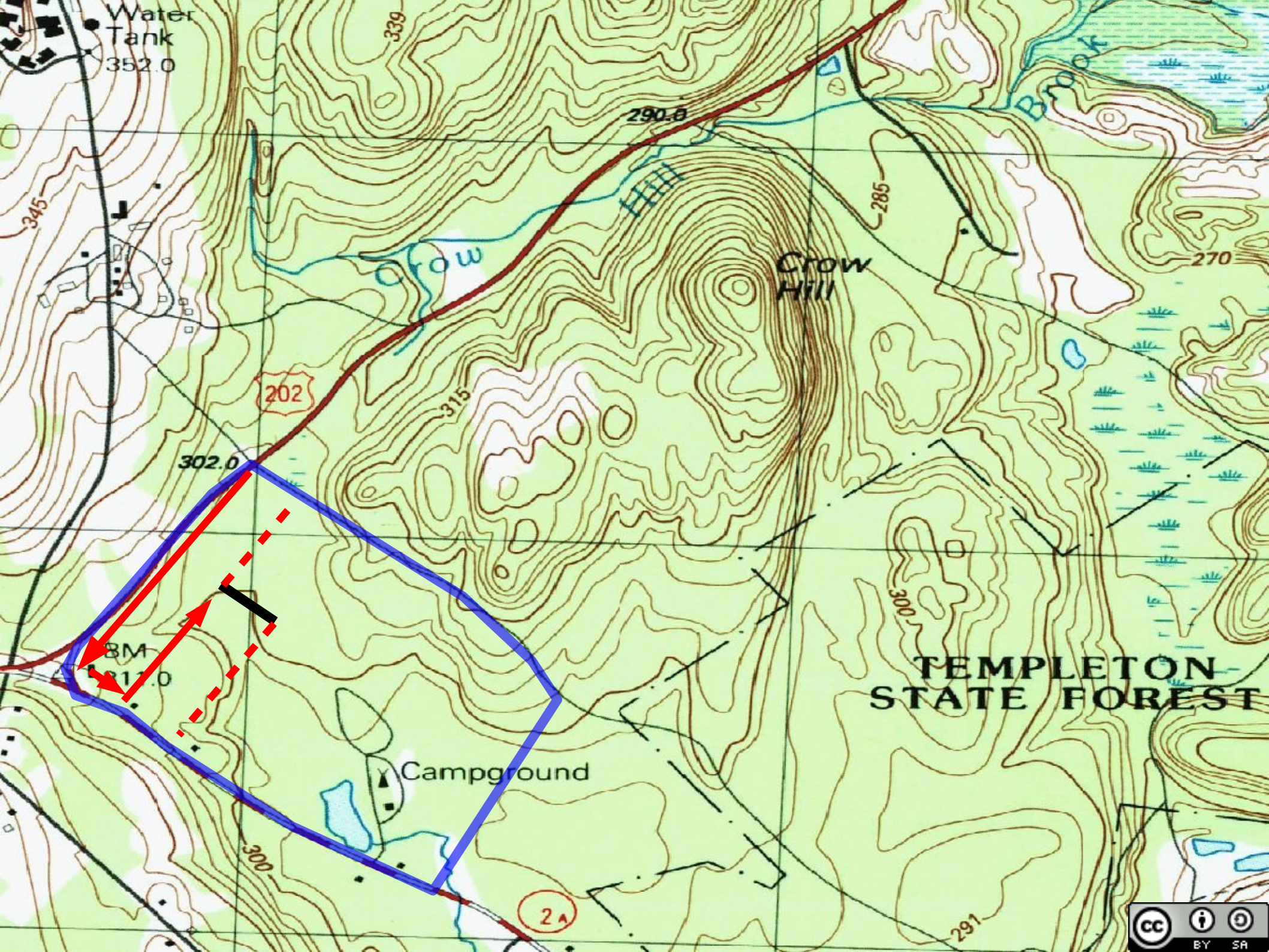
202

Crow Hill

TEMPLETON
STATE FOREST

Campground

2A



Water Tank
352.0

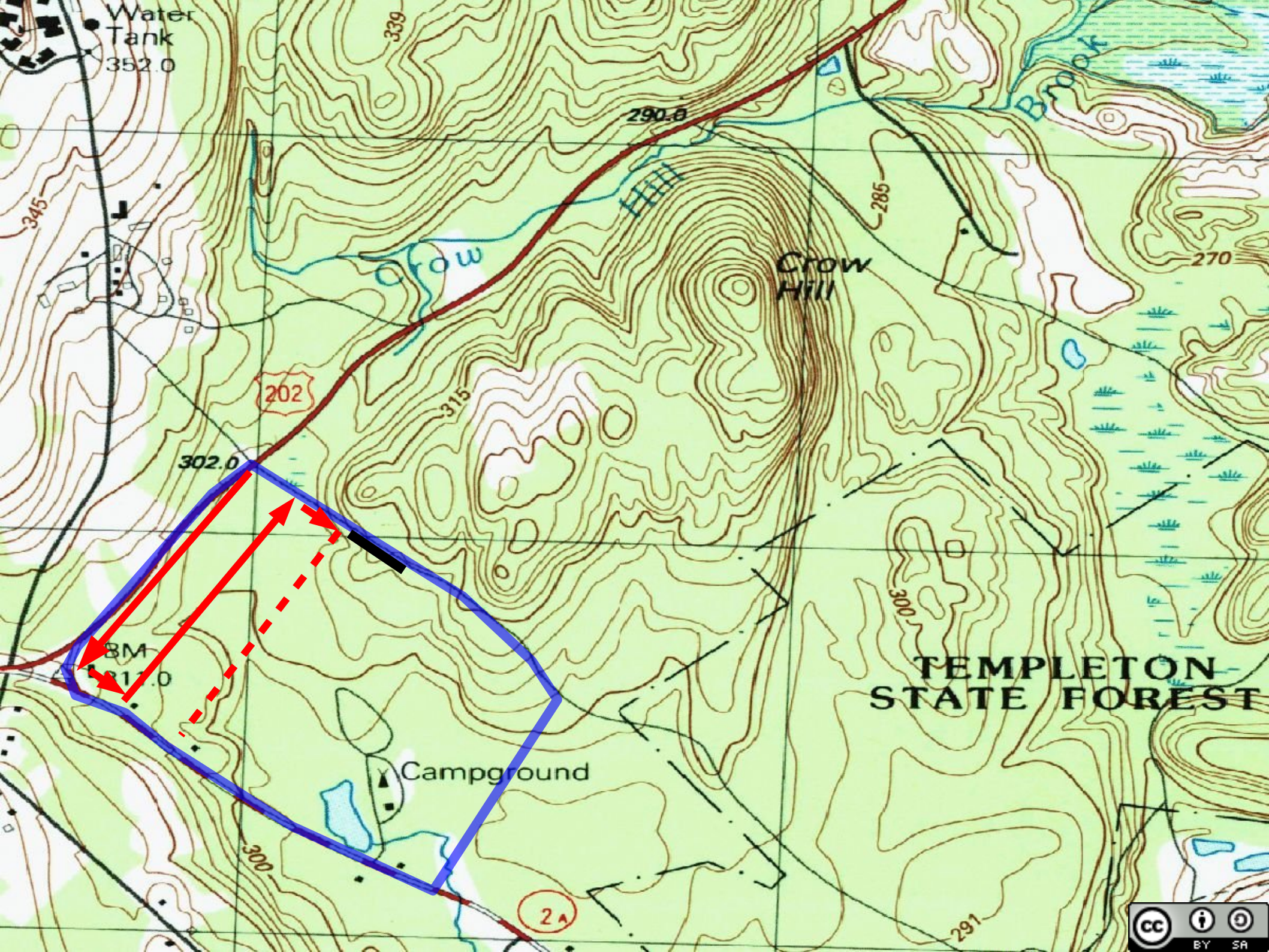
202

Crow Hill

TEMPLETON
STATE FOREST

Campground

2A



Water Tank
352.0

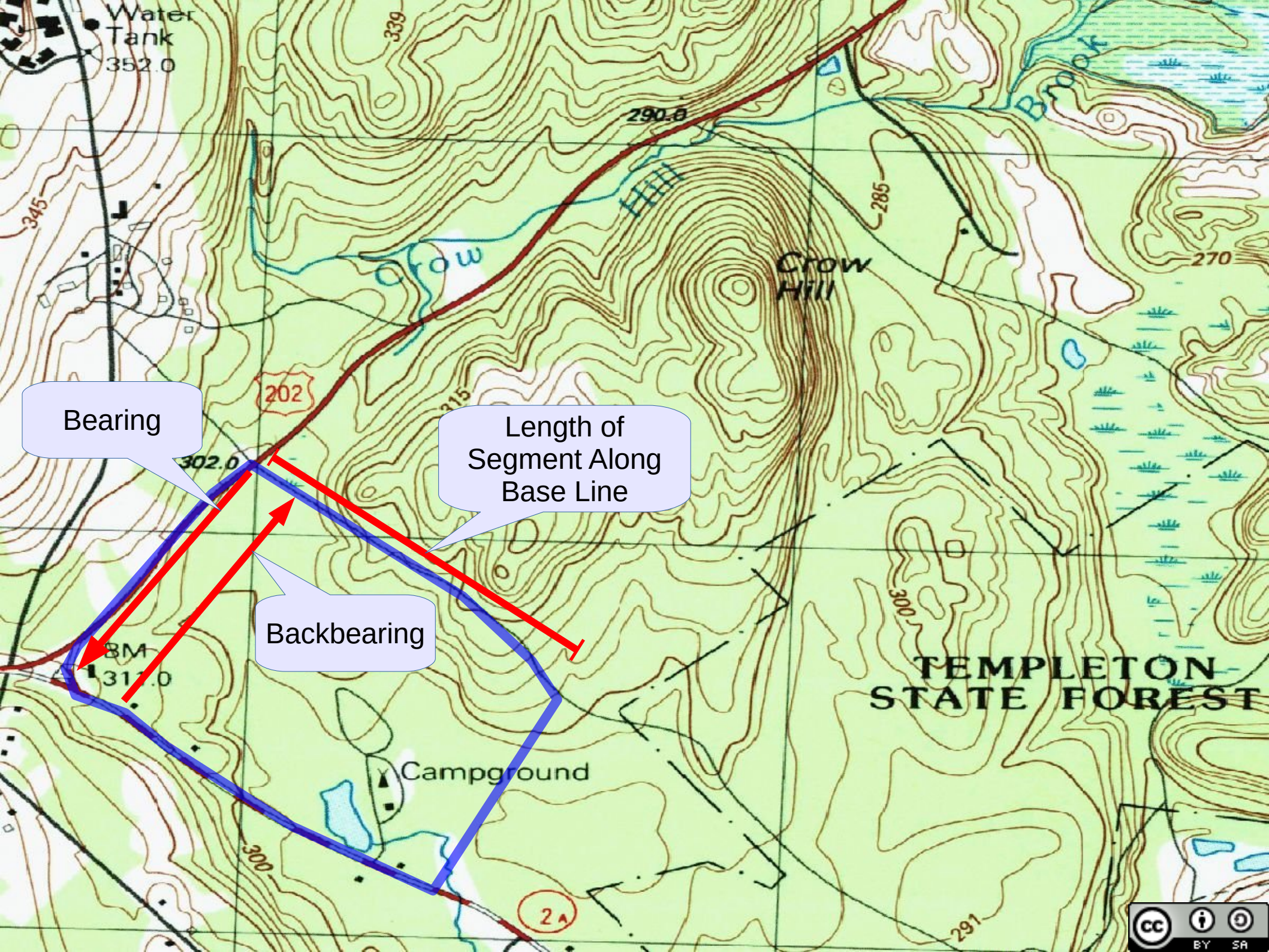
202

Crow Hill

TEMPLETON
STATE FOREST

Campground

2A



Bearing

Length of Segment Along Base Line

Backbearing

Water Tank
352.0

202

Crow Hill

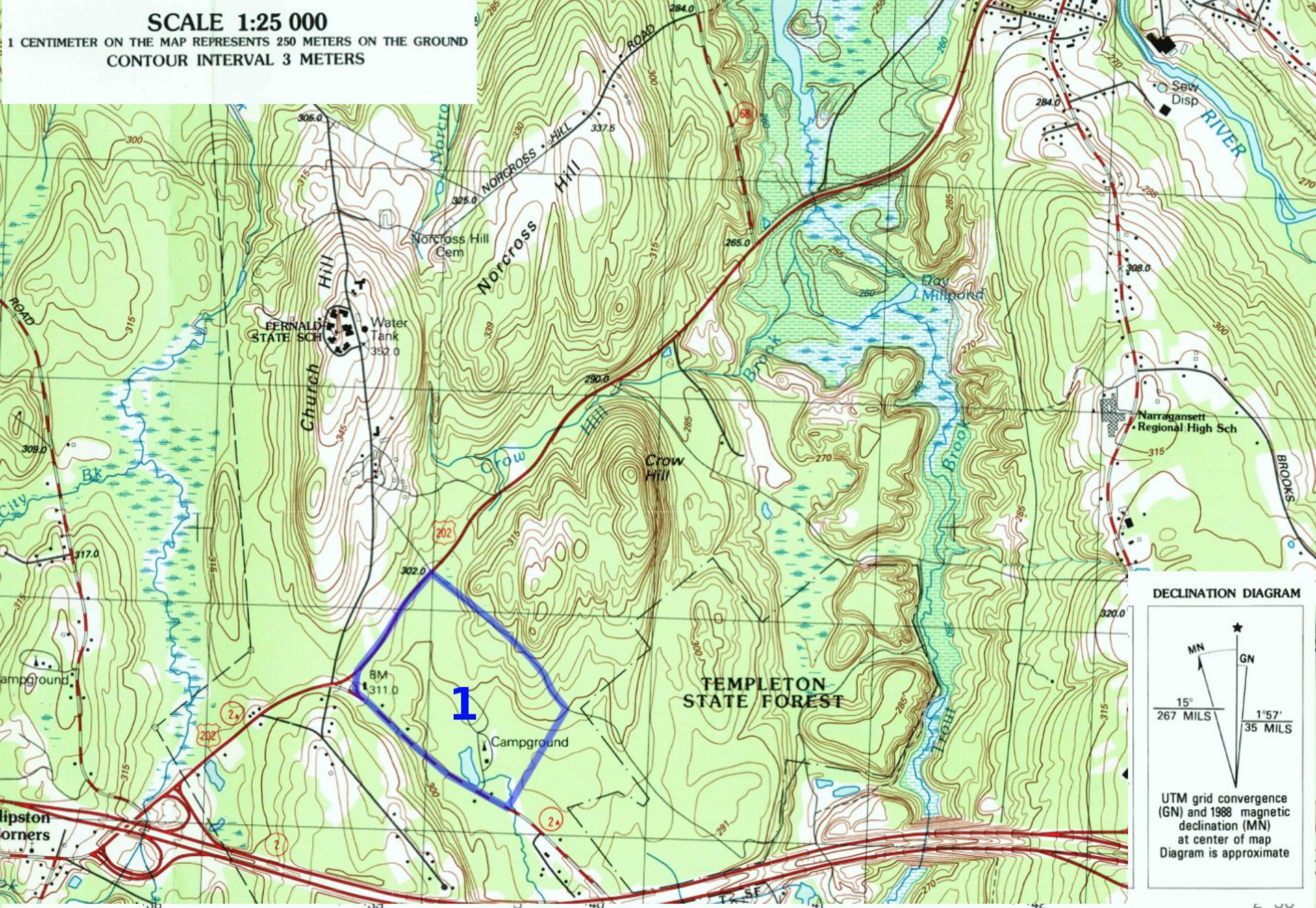
TEMPLETON
STATE FOREST

Campground

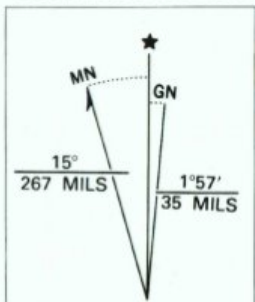
2A

SCALE 1:25 000

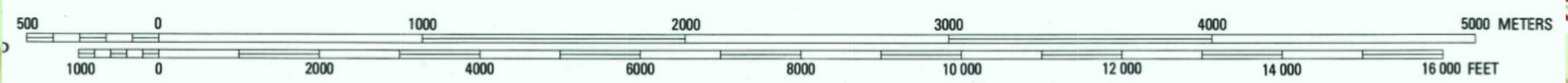
1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
CONTOUR INTERVAL 3 METERS

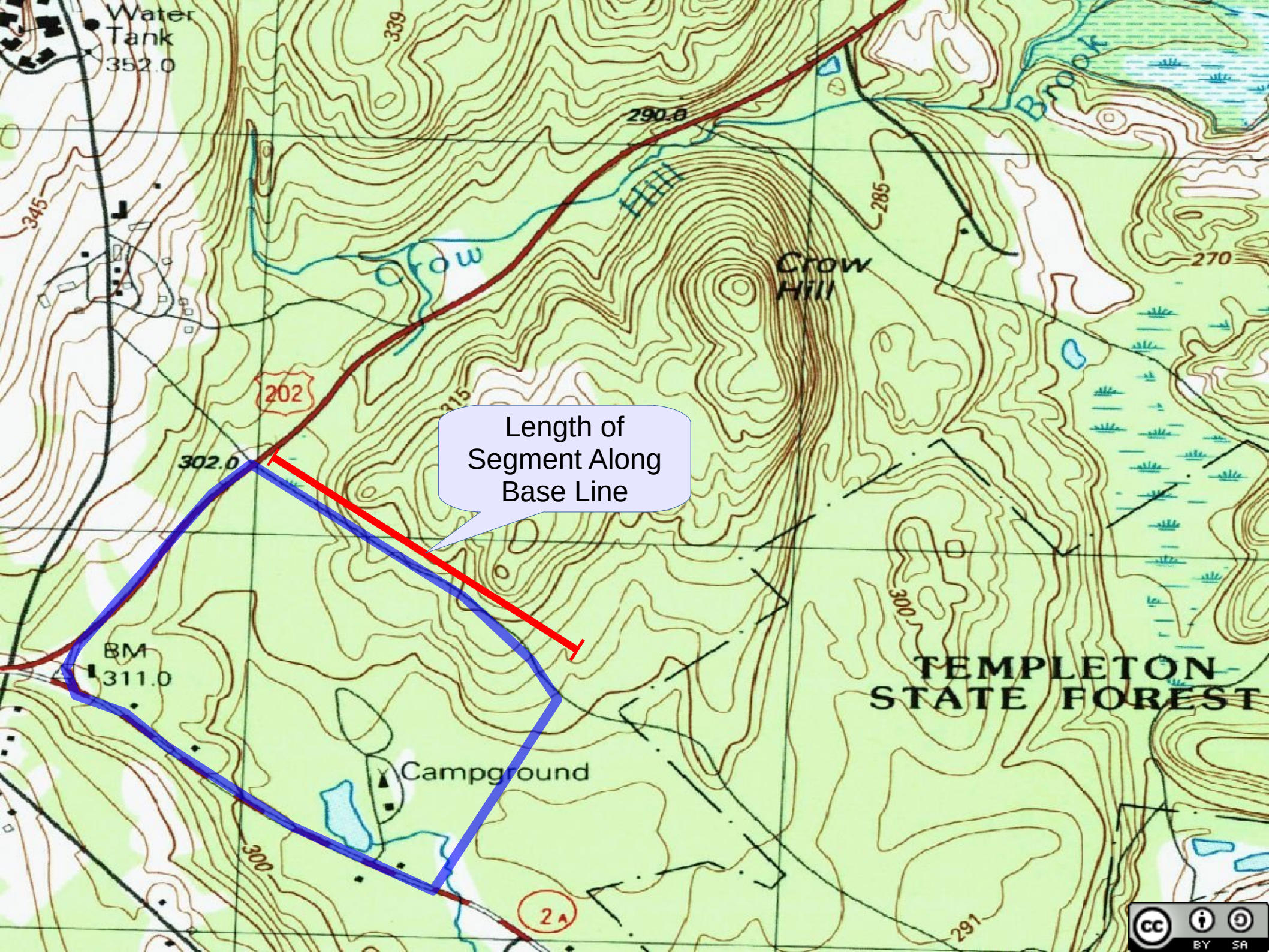


DECLINATION DIAGRAM



UTM grid convergence (GN) and 1988 magnetic declination (MN) at center of map
Diagram is approximate



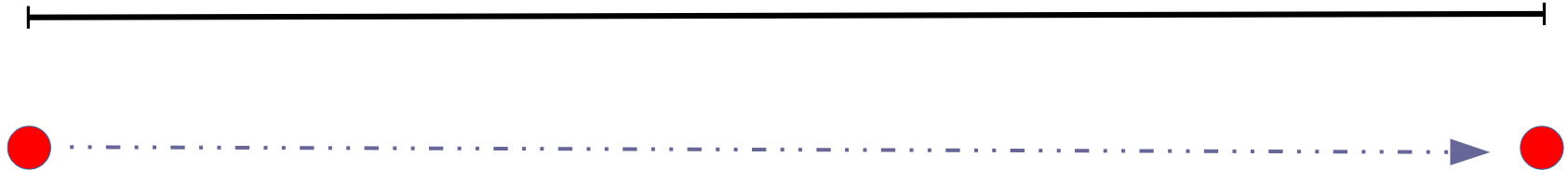


Length of Segment Along Base Line

TEMPLETON STATE FOREST

How Far?

- How do we know we've walked 800 meters on the ground?



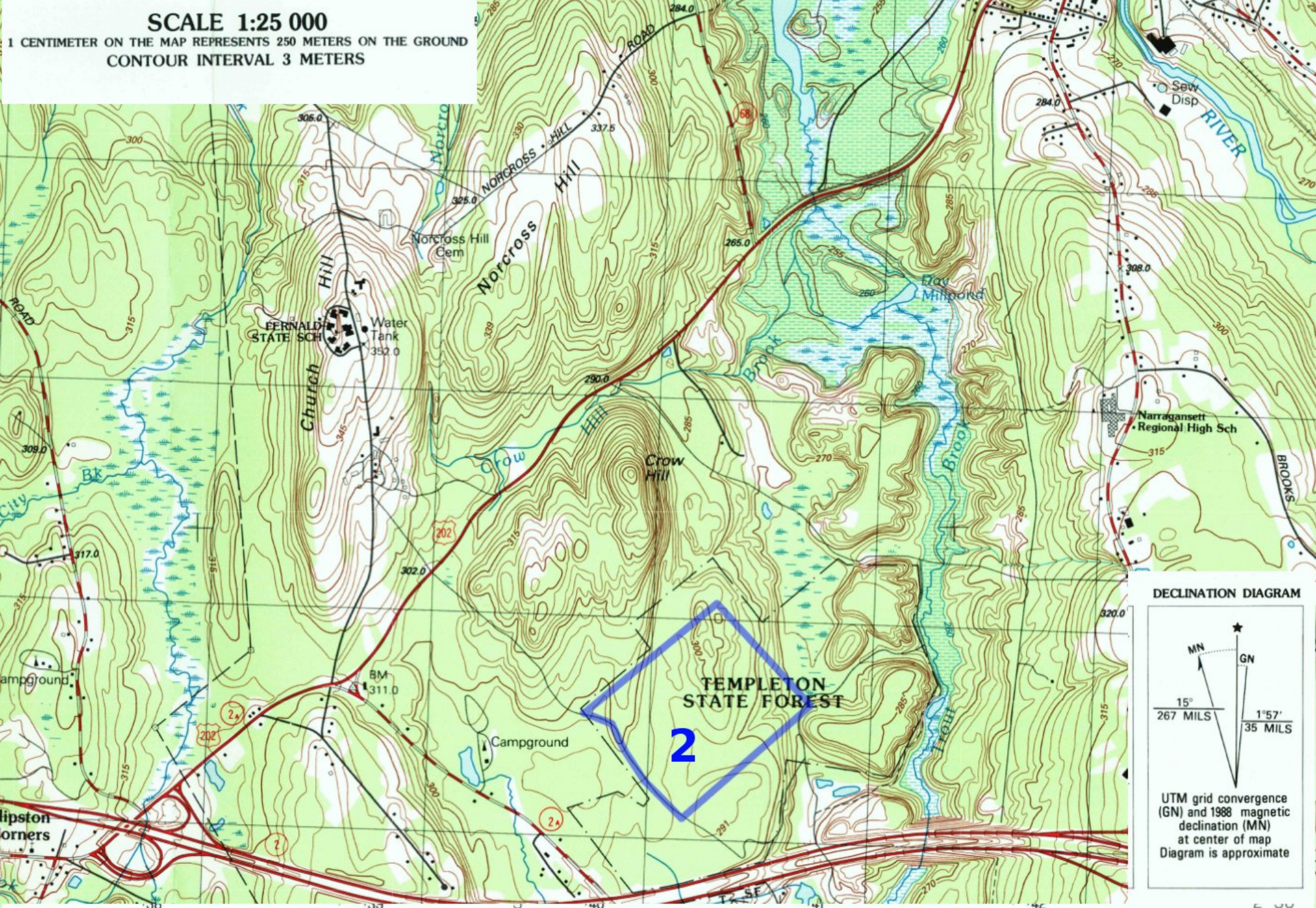


1 Pace

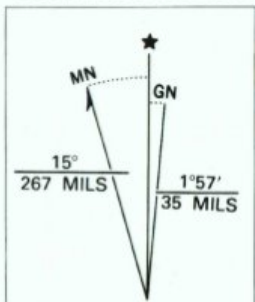
1 Pace

SCALE 1:25 000

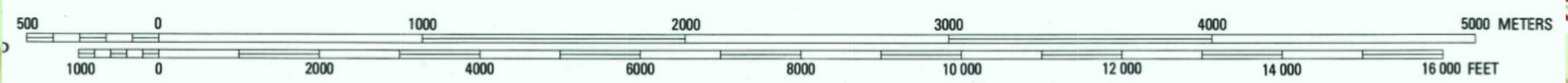
1 CENTIMETER ON THE MAP REPRESENTS 250 METERS ON THE GROUND
CONTOUR INTERVAL 3 METERS



DECLINATION DIAGRAM



UTM grid convergence (GN) and 1988 magnetic declination (MN) at center of map
Diagram is approximate





320
340
360
380
400
420
440
460
480
500
520
540
560
580
600
620
640
660
680
700
720
740
760
780
800
820
840
860
880
900
920
940
960
980
1000

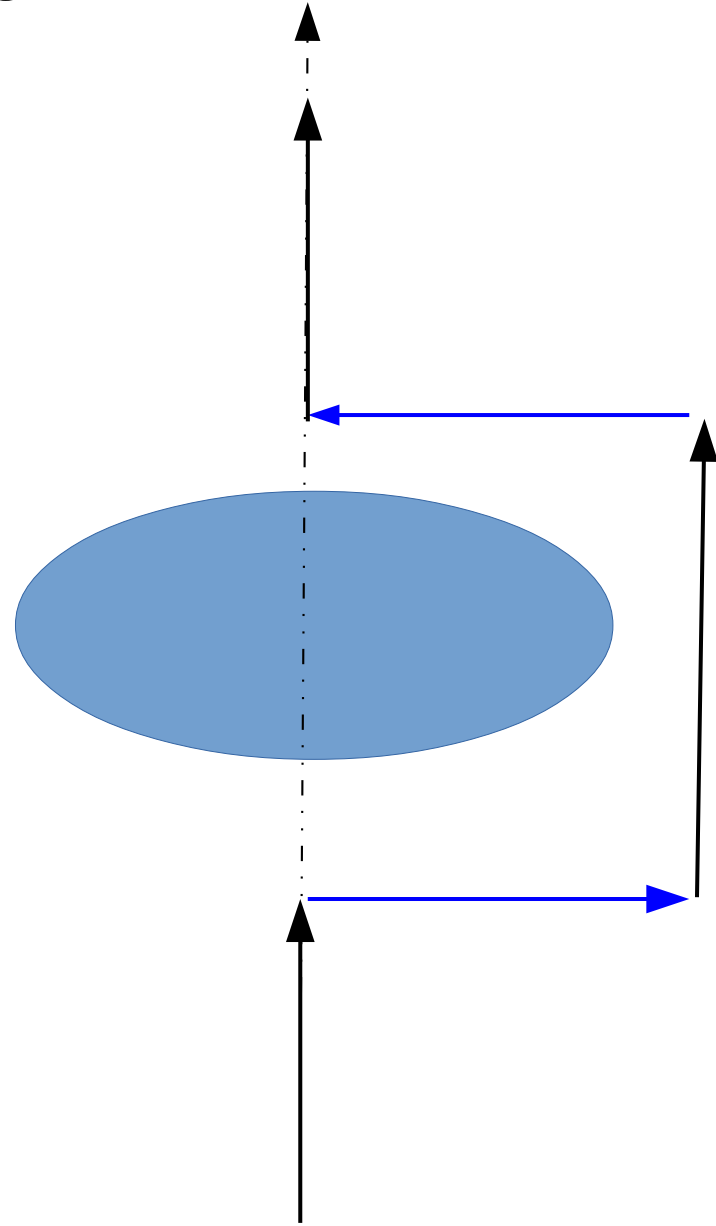
N
NE
E
S
SE
SW
W

M Deci
80
90

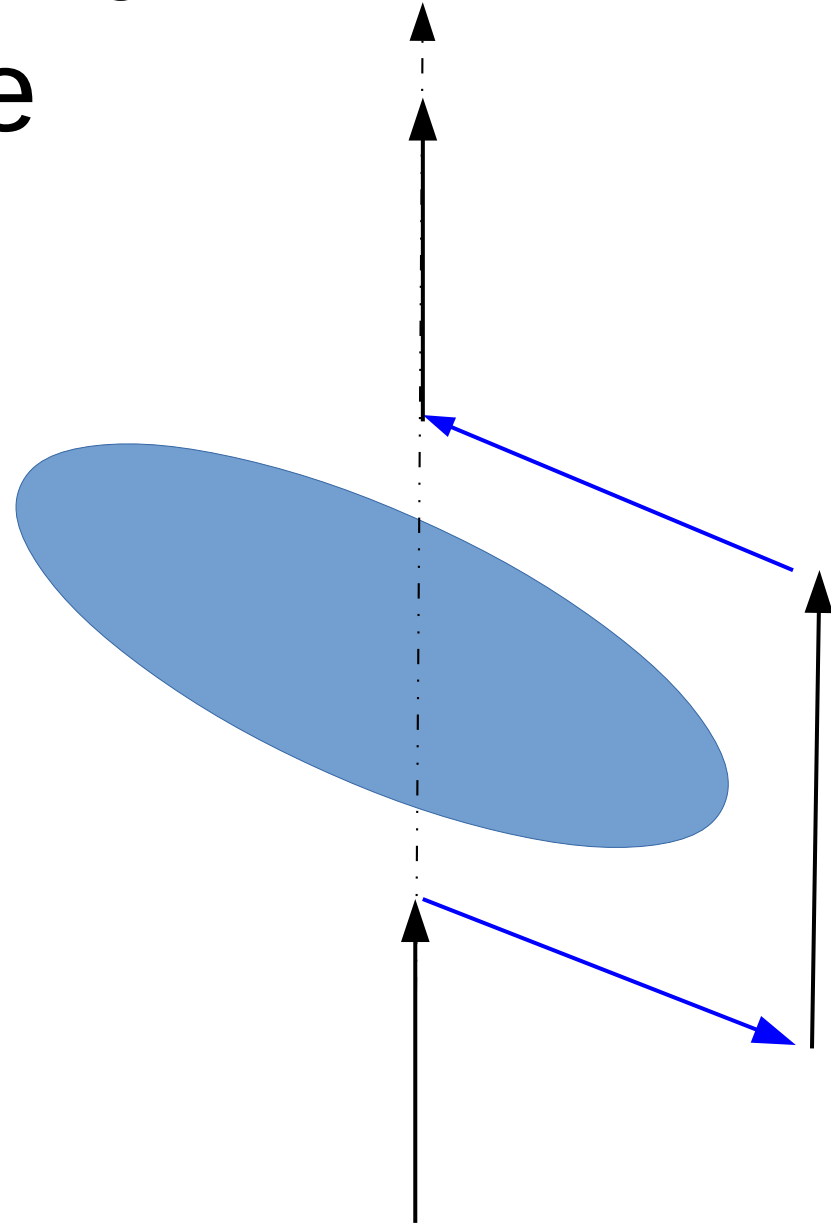




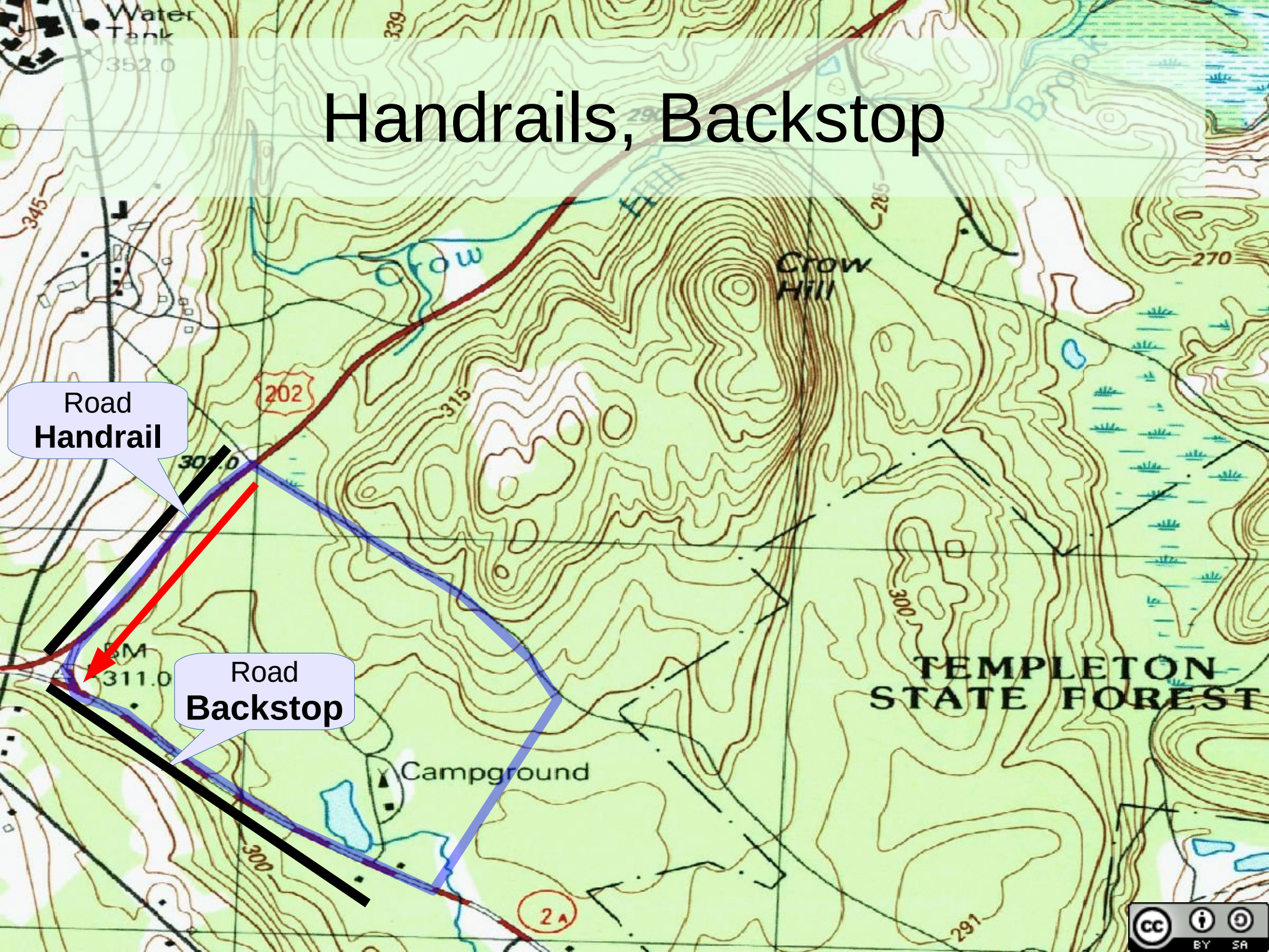
Navigate Around an Obstacle



Navigate Around an Obstacle



Handrails, Backstop



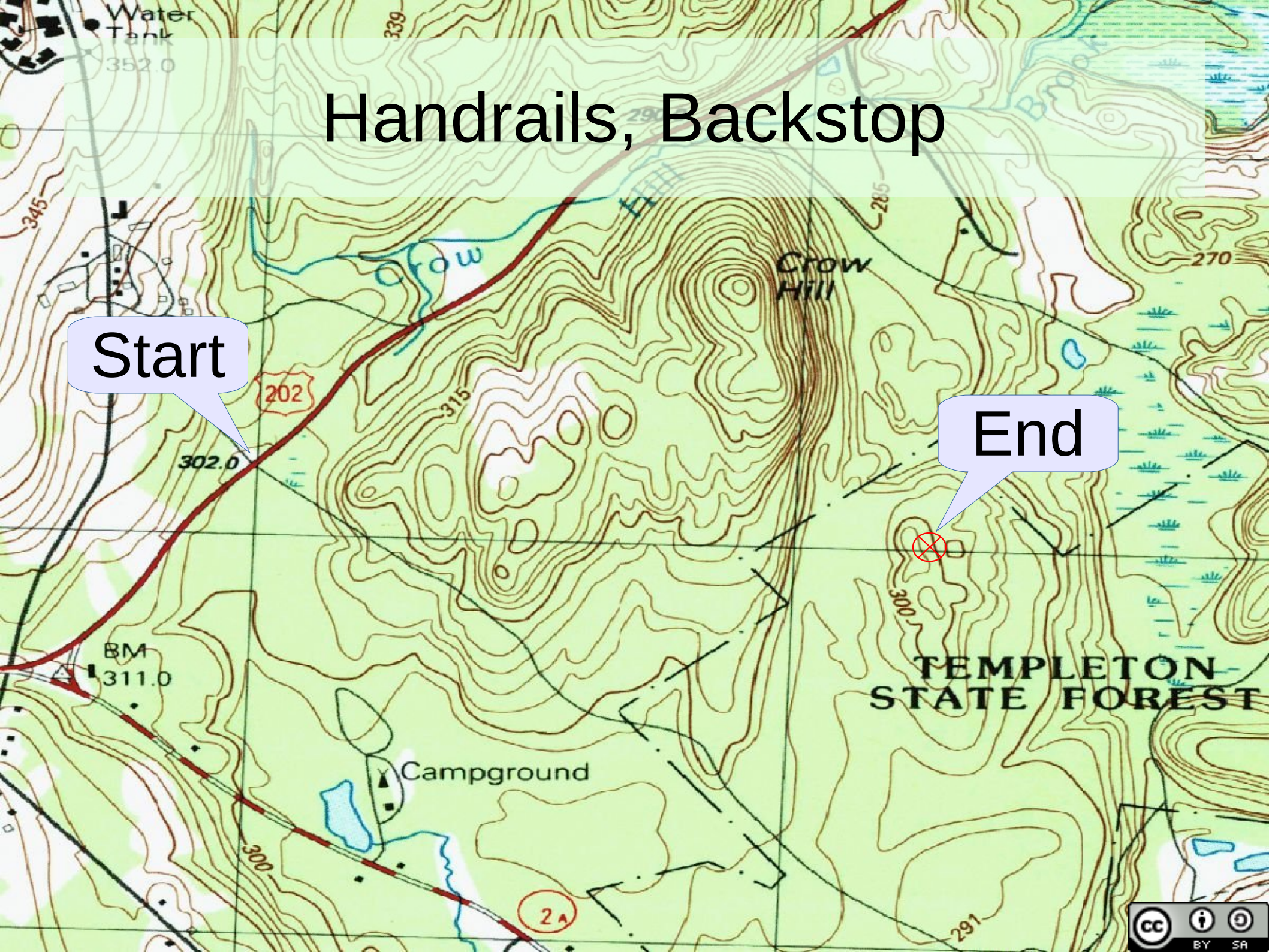
Road Handrail

Road Backstop

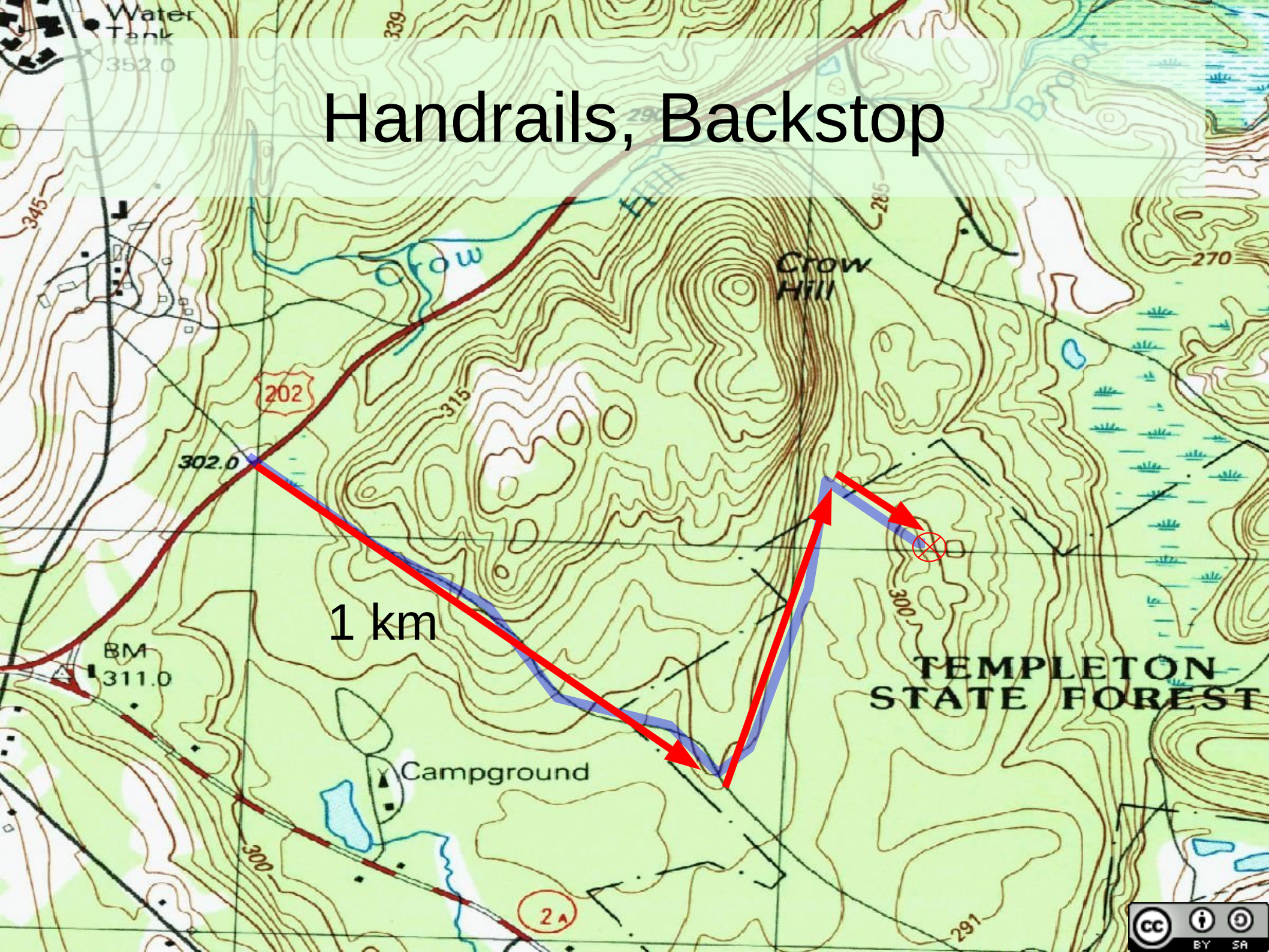
Handrails, Backstop

Start

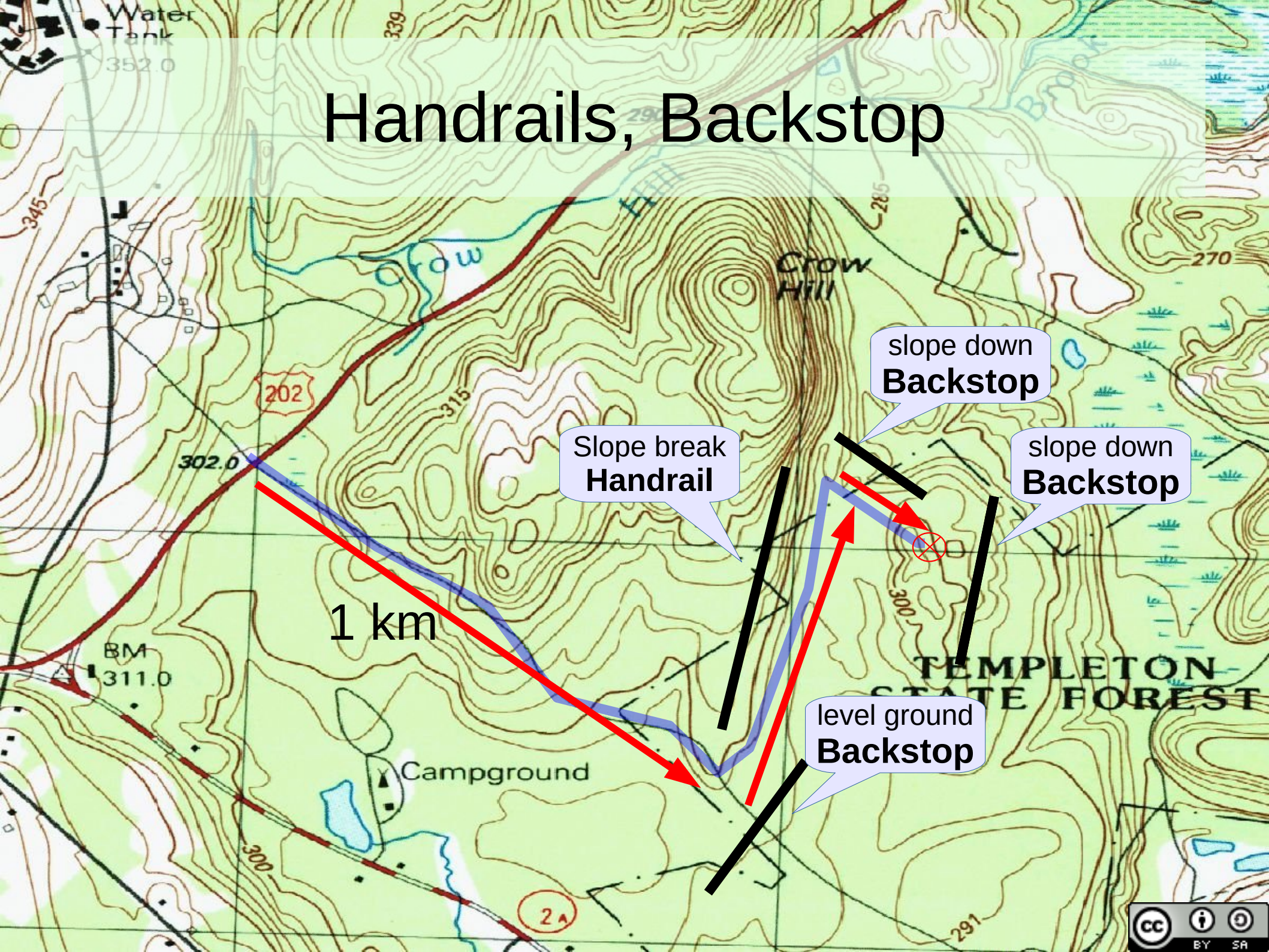
End



Handrails, Backstop



Handrails, Backstop



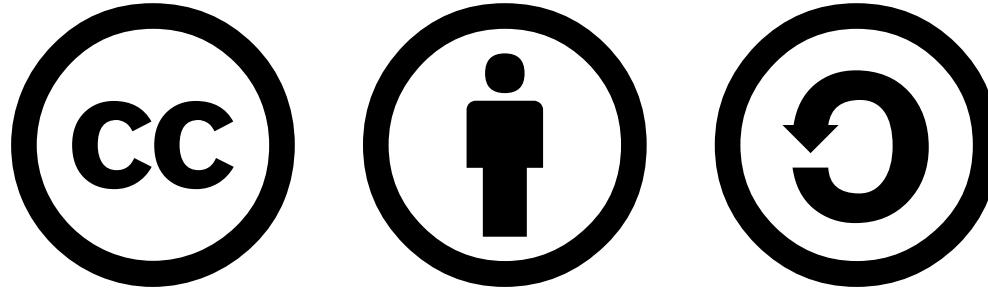
Slope break
Handrail

slope down
Backstop

slope down
Backstop

level ground
Backstop

1 km



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