

Planning Board

**TOWN OF HEATH, MASSACHUSETTS
APPLICATION FOR SPECIAL PERMIT**

This application is a request for a Special Permit under the provisions of Section 6 of the Heath Zoning By-law.

Date: October 27, 2020 _____

Location: South Schoolhouse Road on town right-of-way at gps location
42.650854, -72.830576 _____

Brief description of proposed use:

Installation of a wood utility pole, wires, and fixtures(antennas,etc.).
including the necessary sustaining and protecting fixtures, along the public
way noted above:

Owner: FHMS Four Town Broadband Network _____

Telephone: (413) 339-0124 _____

Address: FHMS Broadband Committee, Town of Hawley, 8 Pudding
Howley Rd, Hawley, MA 01339 _____

Applicant (if different than owner):

Nature of relief requested:

Special permit pursuant to article __6____ section __10____ of

The Heath zoning bylaw which authorizes the Heath Planning

Board_____

To permit _Fixed Wireless Broadband Facilities_____

Detailed explanation of request:

FHMS Four Town Broadband Network requests permission to locate a pole, wires, and fixtures, antennas, and power connections, including the necessary sustaining and protecting fixtures, along the following public way:

- A 60' above ground wooden pole in the town right-of-way on S. Schoolhouse Road at a location on the south side of the road at the coordinates 42.650854, -72.830576
- The designated location MUST have line of sight to a transmitter located in Florida, Hawley or Savoy, Massachusetts.
- The purpose of a pole at this location in Heath, with an elevation of 1610 ft and line of sight to the south, is to serve FHMS customers in the northeast corner of Hawley who would not be readily served by the current network approved plan.
- An alternate location might be on Ledge Rd, north of Heath Center, at coordinates 42.675763, -72.821095 at an elevation of 1695 ft, subject to a line of sight to a transmitter in one of our other towns.
- We request exemption from the reporting requirements specified in the zoning regs 6.10.4 A.
- The pole is owned by the FHMS Network and the electronics are owned by WiValley-MA, Inc. WiValley maintains the pole.
- WiValley-MA, Inc. carries insurance on the pole.
- When no longer serving a useful purpose it will be removed.
- Antennas and their supporting structure could extend as much as 10 ft above the top of the pole as shown in supporting materials.
- There are no ancillary buildings or sheds. There is a 2' x 2' x 2' box mounted to the pole base as shown in supporting materials as well as a meter stanchion for the power connection from the utility company as shown in supporting materials.
- In this particular instance I expect there to be 1-2 18" dia. point to

point antennas and 1-2 6" x 24" vertical antennas for delivery of service to the customer premise.

- Power will be from the nearby utility pole on the same side of the road, underground in conduit, to the meter stanchion then underground in conduit to the FHMS pole as shown in supporting materials.
- This FHMS pole and attachments are just like 32 other similar poles located throughout the four member towns including one on top of Berkshire East.
- Fixed wireless broadband delivers broadband via radio signals rather than cables to deliver broadband internet to customers, who have an outdoor antenna receiver mounted to the building and a Wi-Fi gateway inside. The connection is line-of-sight between the customer premises and a ground station. Signal strength is less than a smartphone held 3" from the head, much less than a cell tower signal. Also, the signal is 60 feet or more above ground.

Location is approximately shown on photo/plan attached.

Because of the reasons set forth below, the special permit requested will be in harmony with the intent and purpose of the zoning bylaw. See attachments.

1. The FHMS pole with antenna array will meet the Heath Zoning section 6.10.1 A&C.
2. The presence of an FHMS pole could facilitate emergency services communications for the town of Heath..
3. No one else will be able to put equipment on this pole without the permission of the FHMS four towns, WiValley and the town of Heath.

4. The FHMS pole, with an array of antennas, will not impede the view and esthetics of the countryside any more than the existing utility pole that is already there (see supporting materials)
5. The 60 ft AGL means no lightning is needed.
6. The FHMS pole is not more than 10-15 ft above the existing utility pole.

Application must be accompanied by application fee of \$_____.__, abutters list (obtain from assessors) and plans.

I hereby certify that the information provided in this application and the accompanying drawing of the property is accurate, true and correct to the best of my ability.

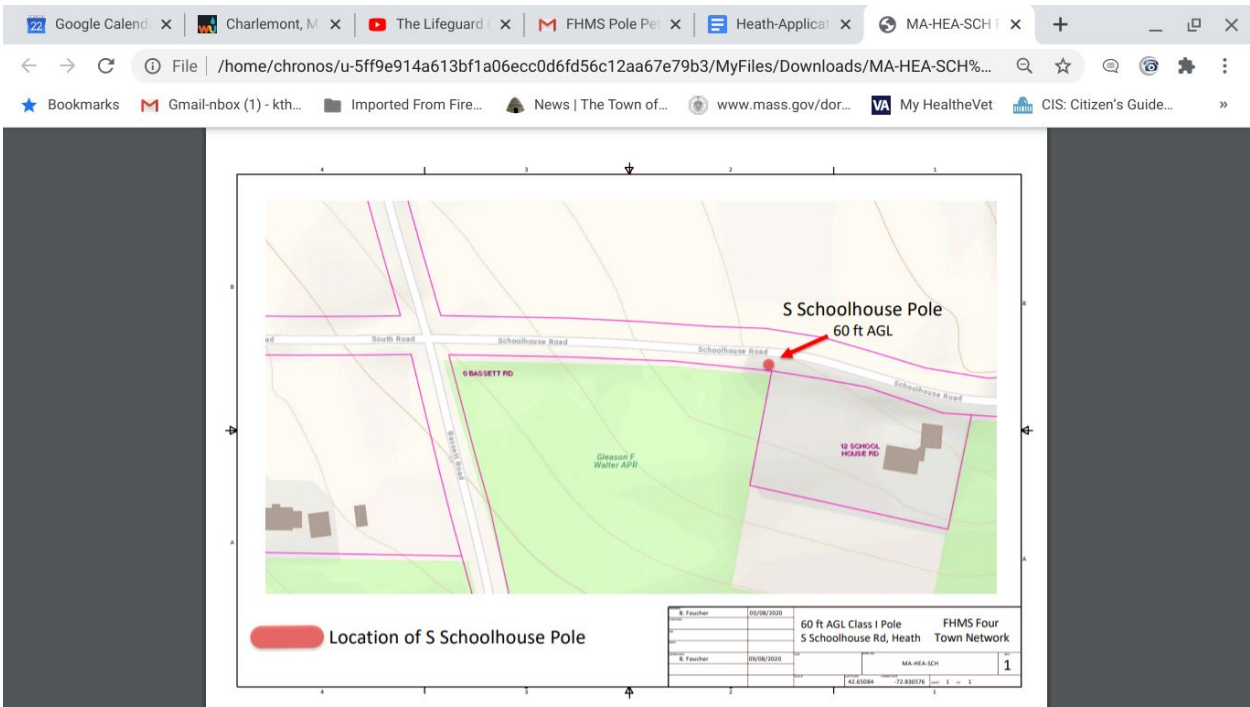
Kirby (Lark) Thwing 10/22/2020

Signature of applicant

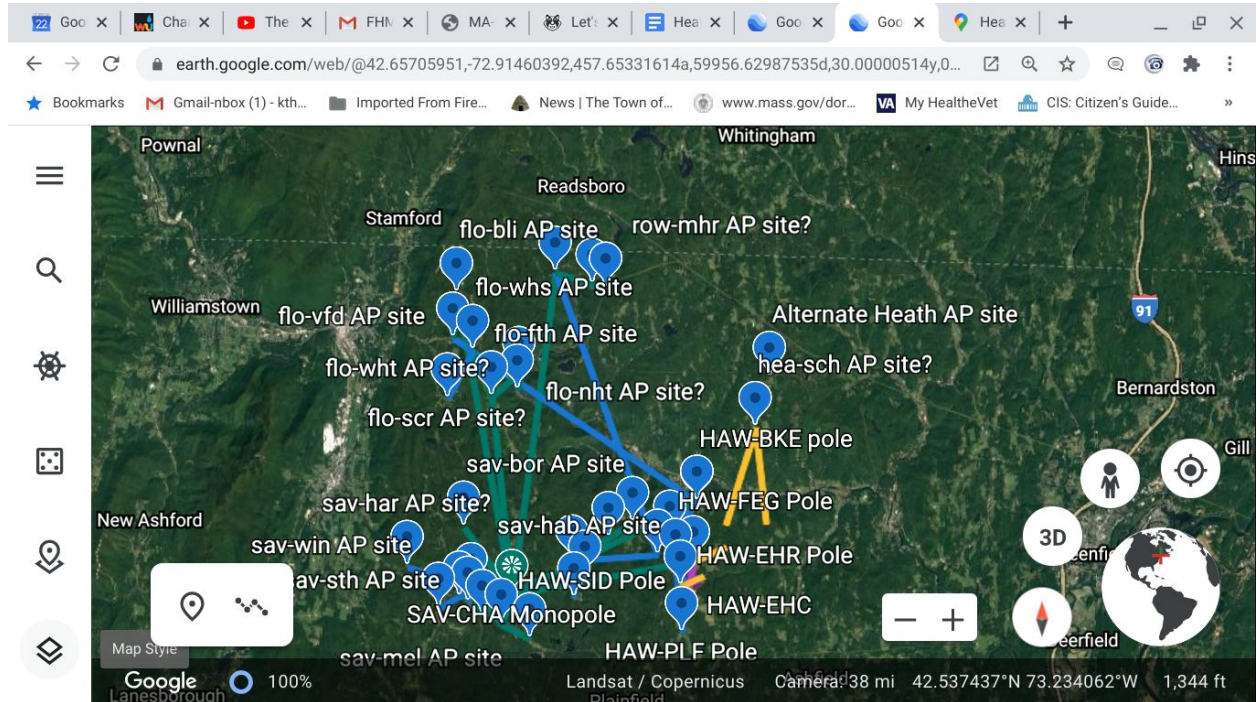
Date

Signature of Owner if other than applicant Date

Site plan and supporting materials

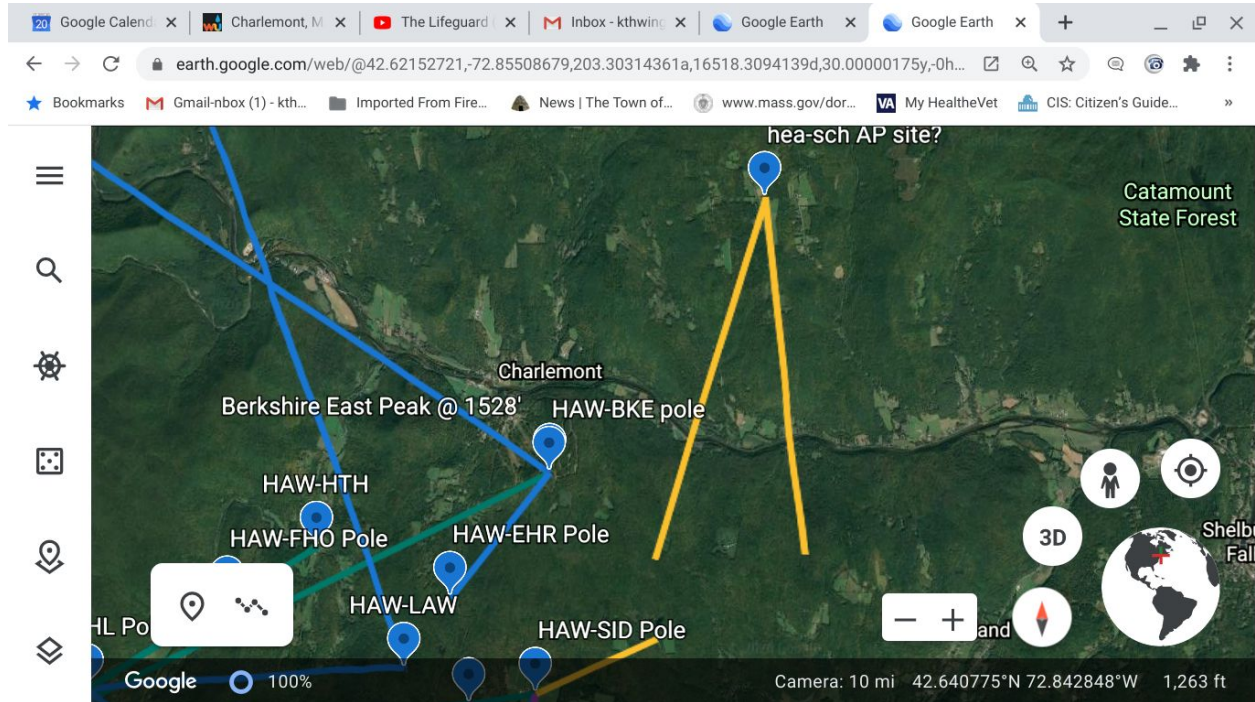


Site Plan

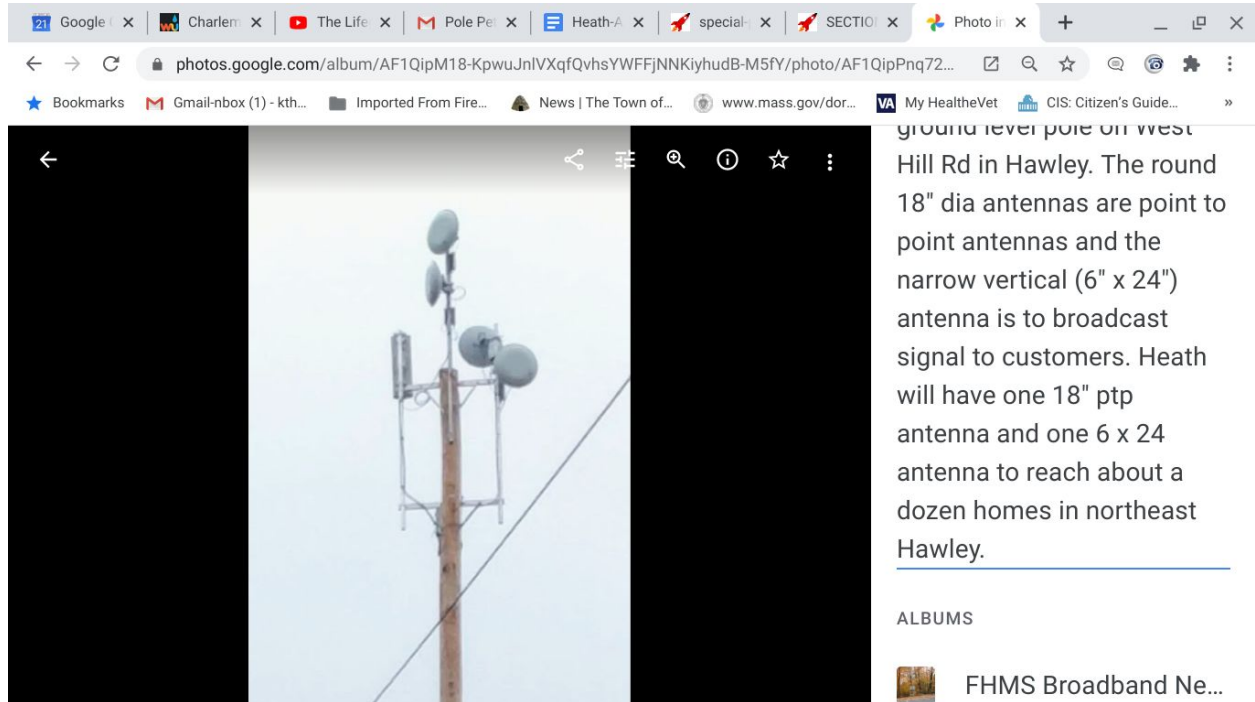


32 FHMS AP poles including the desired Heath location(HEA-SCH AP site) and an alternate Heath location.

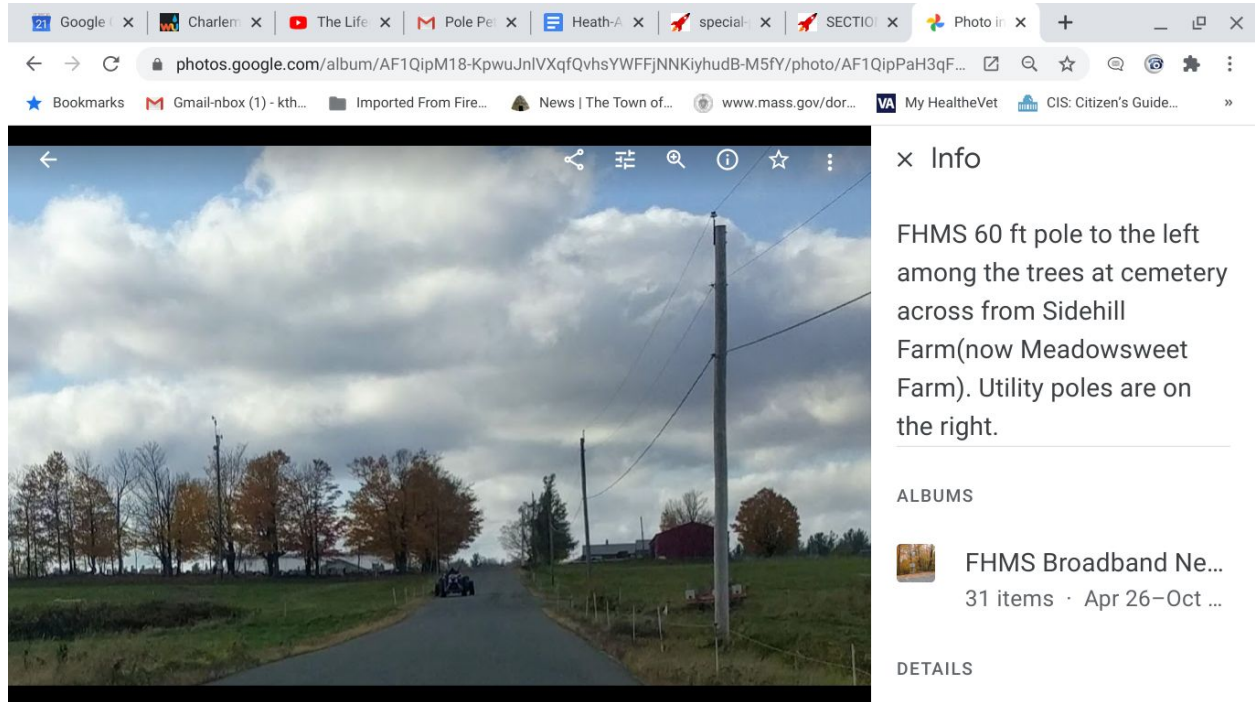
The yellow triangle is the signal to northeast Hawley residents.



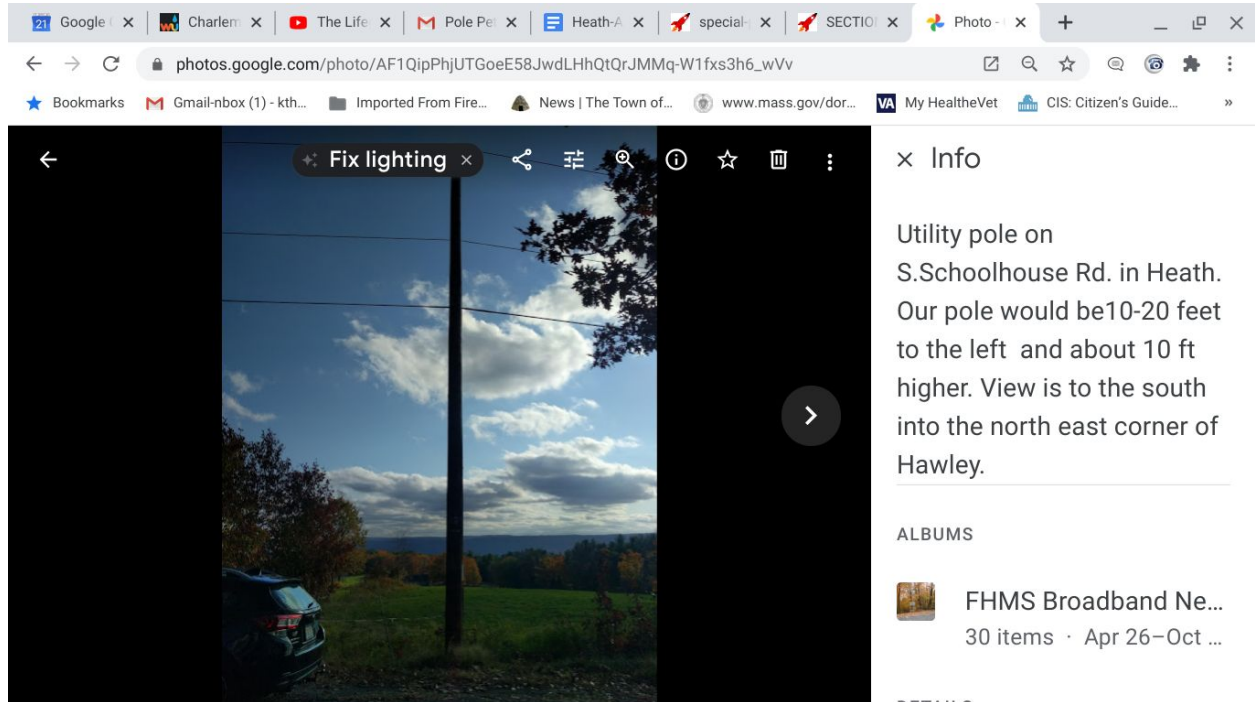
Northeast corner of Hawley that would be served by the pole in Heath. The yellow wedge area is not readily served from Hawley or the Berkshire East HAW-BKE AP site.



Typical antenna array at the top of a pole. This has 4 PTP antennas and Heath would have 1 or 2. This has one 6 x 24 array for a few homes in the area. Heath would have one to serve the customers in northeast Hawley..



This is the pole at the cemetery across from Sidehill farm. It is nestled in the trees to the left and is about 10 ft above the tree line. Utility poles to the right are much more objectionable I think.




This is the existing tall utility pole on the south side of S. Schoolhouse Rd, about 20 ft to the west of where the FHMS pole would be.

Google x Charlen x The Life x Pole Pe x Heath-A x special- x SECTIO x Photo- x

photos.google.com/photo/AF1QipMWSCGmtYheFqeR6jqwu8WlwGYJsa-6lv9aUPm


Bookmarks Gmail-nbox (1) - kth... Imported From Fire... News | The Town of... www.mass.gov/dor... VA My HealtheVet CIS: Citizen's Guide...




× Info

Utility pole on S. Schoolhouse Rd as seen from the field to the north of the road.

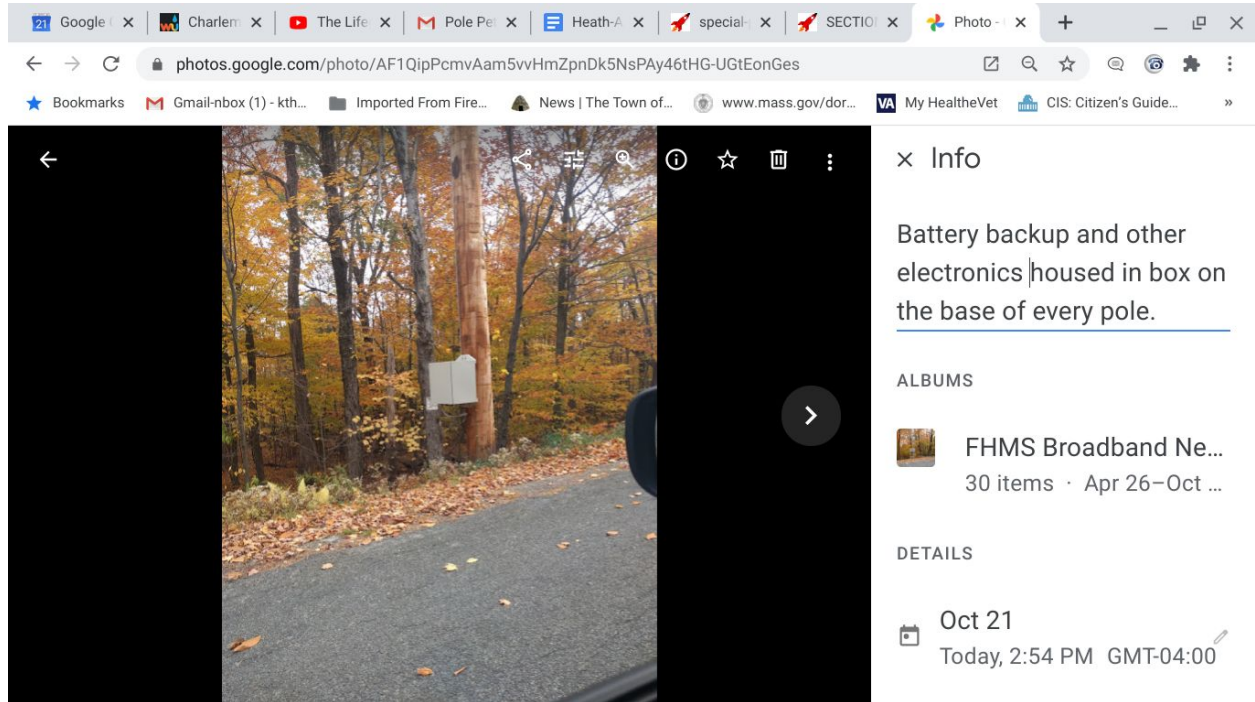
ALBUMS

 FHMS Broadband Ne...
30 items · Apr 26–Oct ...

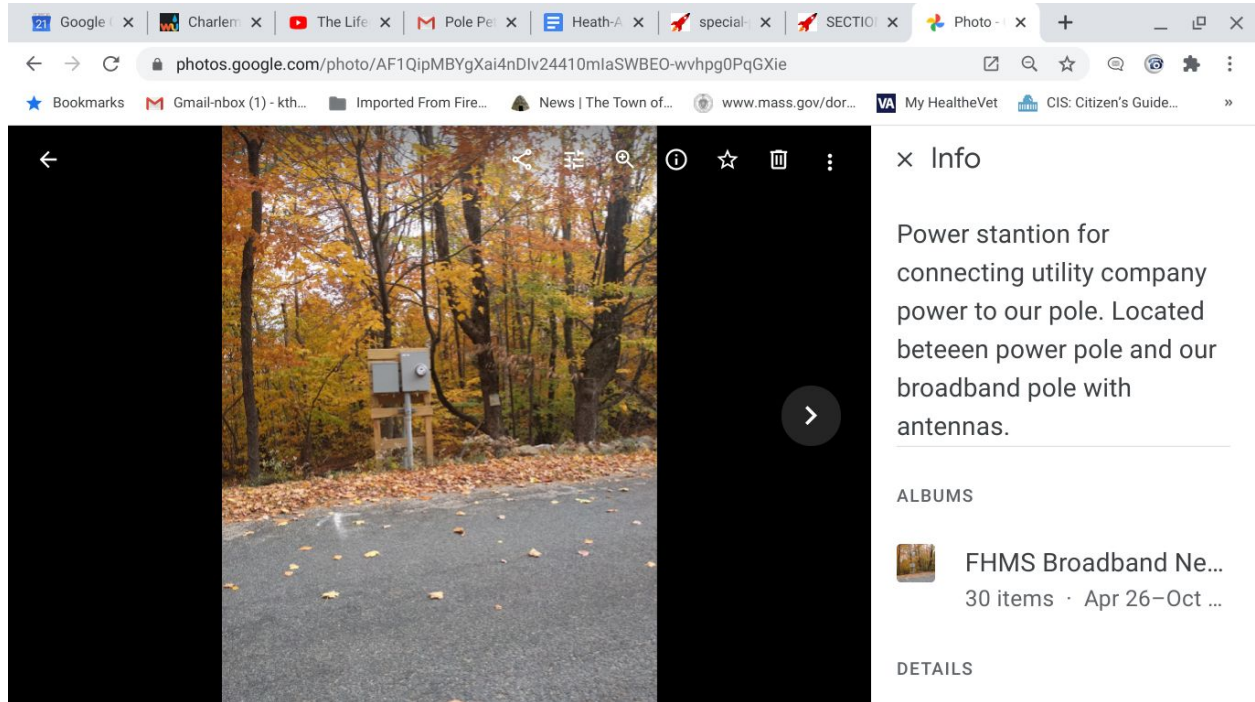
DETAILS

 Oct 21
Today, 3:33 PM GMT-04:00

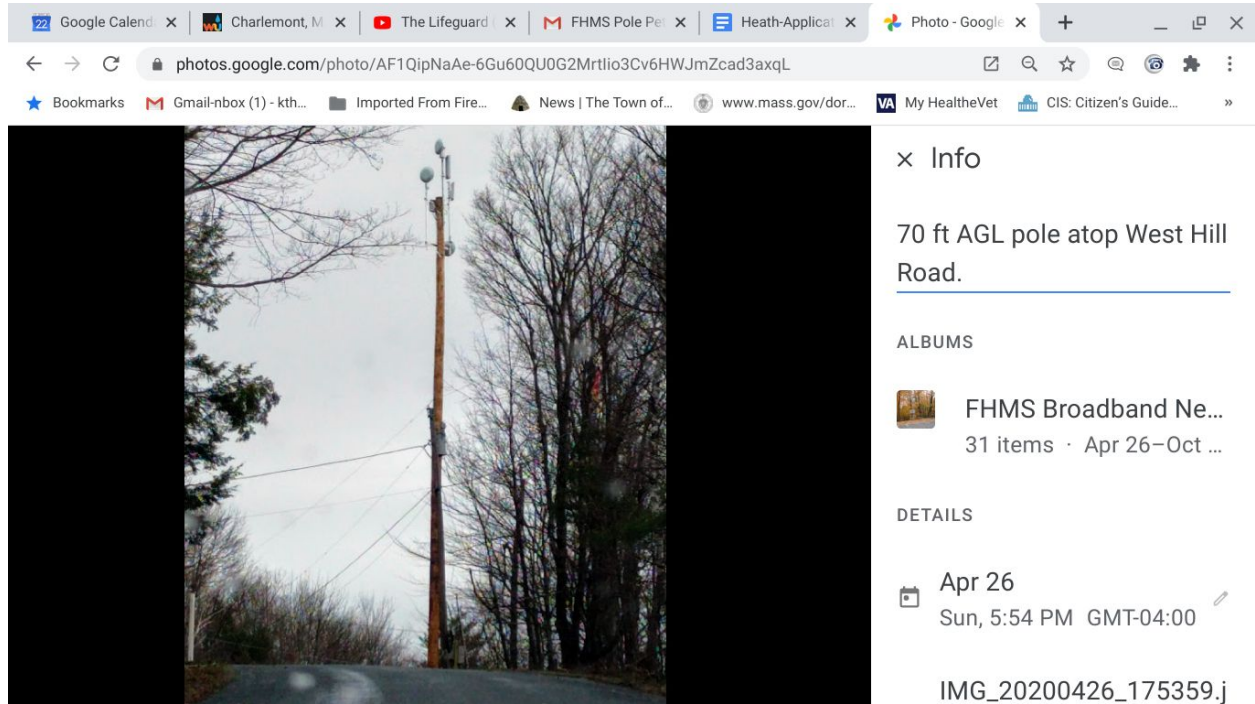
S.Schoolhouse Rd utility pole as seen from the field to the north of the road, beyond the tree line.



2' x 2' x 2' box mounted to the base of every pole.



Meter stanchion located between the power pole and the FHMS pole. All wiring is in conduit underground.



Full view of a 70 ft AGL pole at the top of West Hill Rd in Hawley.

We hope this answers any concerns the town of Heath and its Planning Board may have.