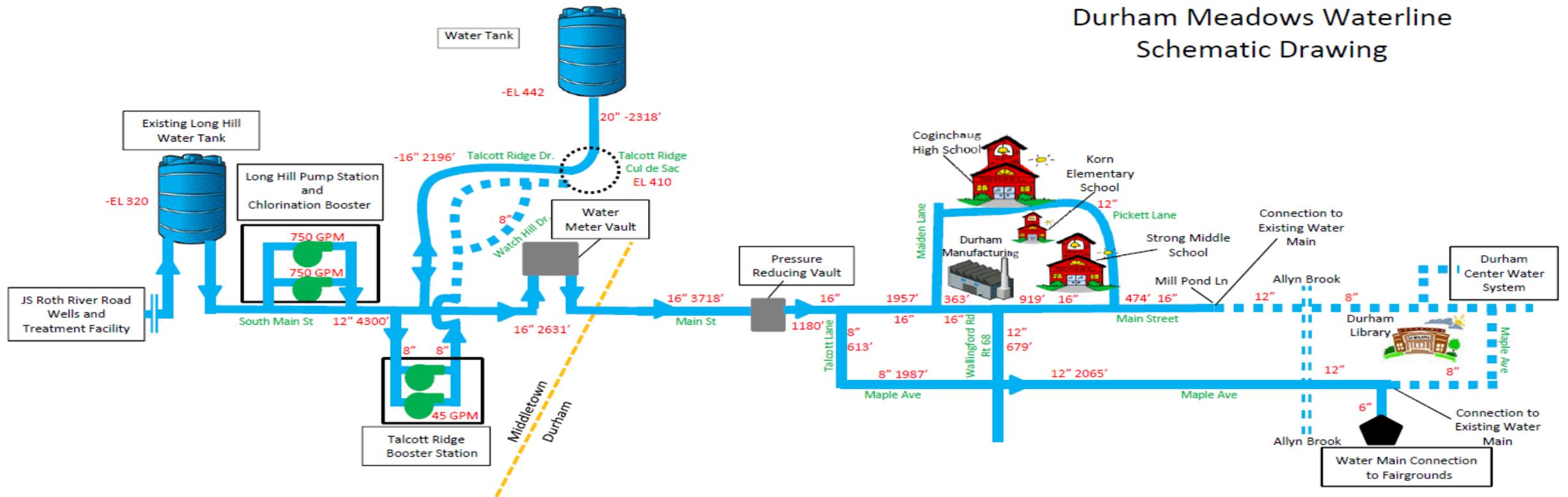


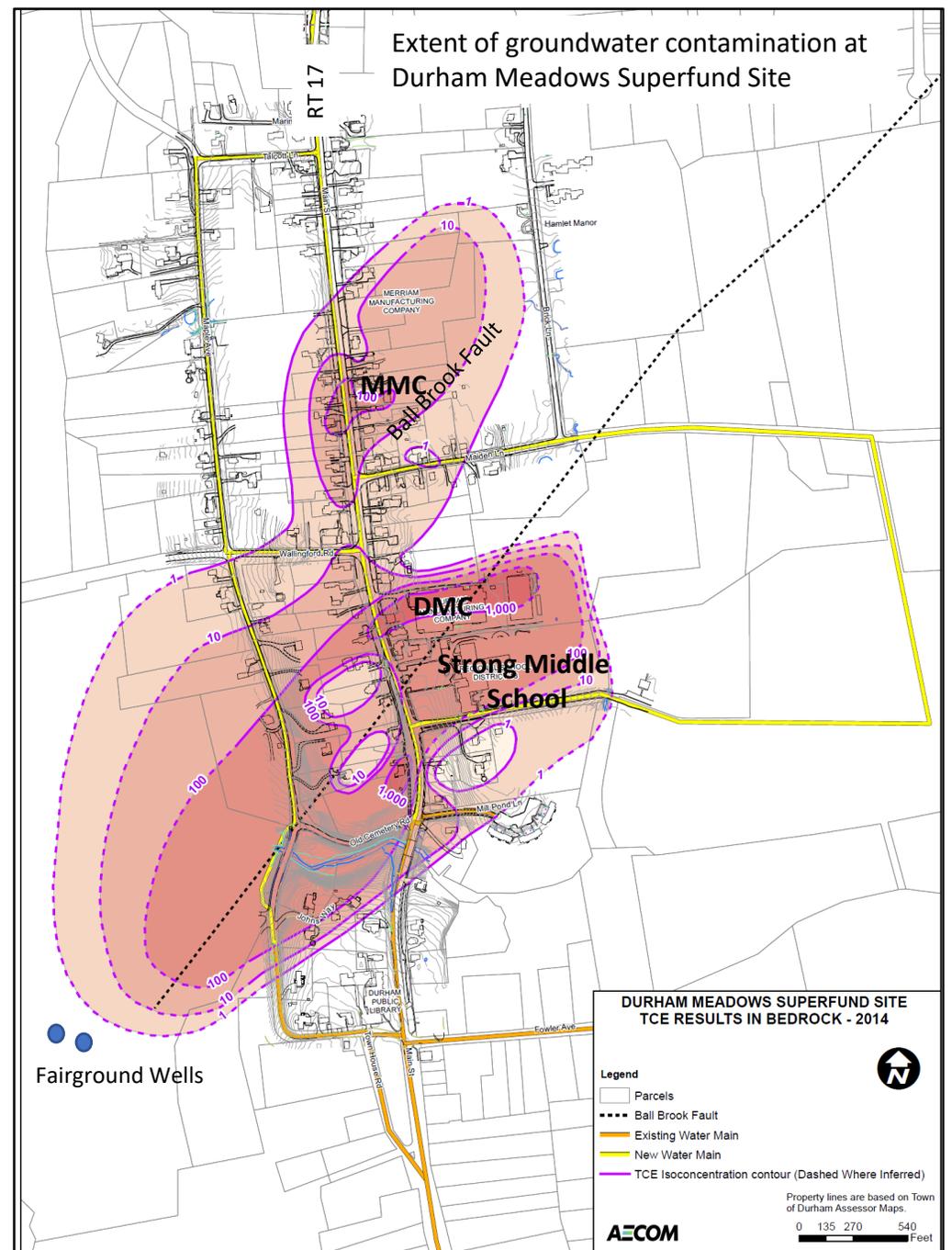
# Durham Meadows Superfund Site Alternative Water Supply Component of the Cleanup Action

Public Information Update – March 2020



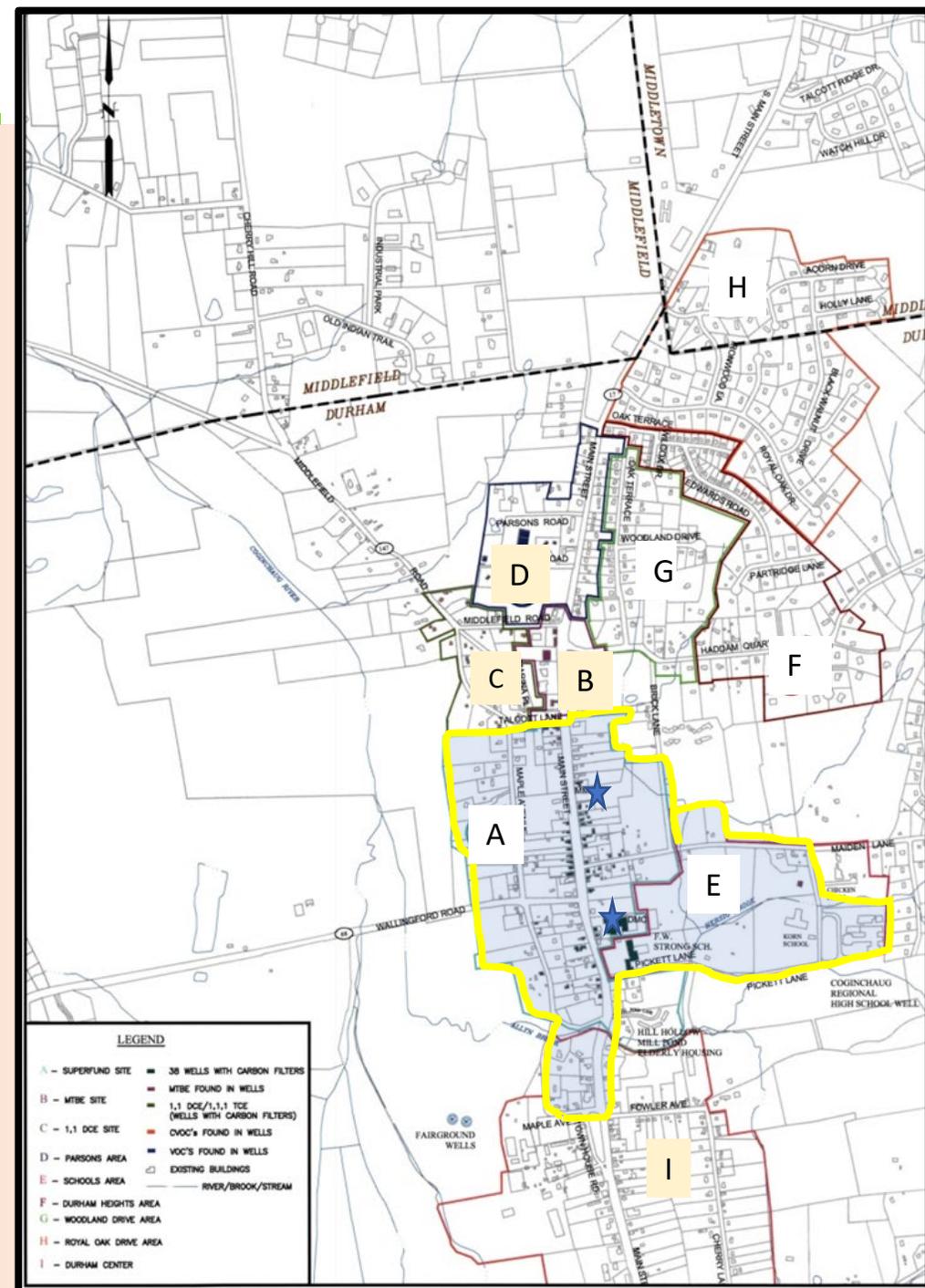
# Background

- A large area of groundwater contamination and the associated source areas were designated the Durham Meadows Superfund Site in 1989.
  - 53 wells have contamination requiring use of carbon filters.
  - 10 of these locations are also receiving bottled water for drinking water use due to 1,4-dioxane contamination.
  - 2 additional locations contain 1,4-dioxane but provide their own bottled water.
- The major contaminant is trichloroethylene or TCE. The federal drinking water standard is 5 parts per billion. The CTDPH Drinking Water Action level is 1 part per billion.
  - Concentrations detected in private wells in 2016 were as high as 1,400 parts per billion (280 times the safe level).
- EPA identified the need for a new water supply for the contaminated areas in Durham in the 2006 Record of Decision.



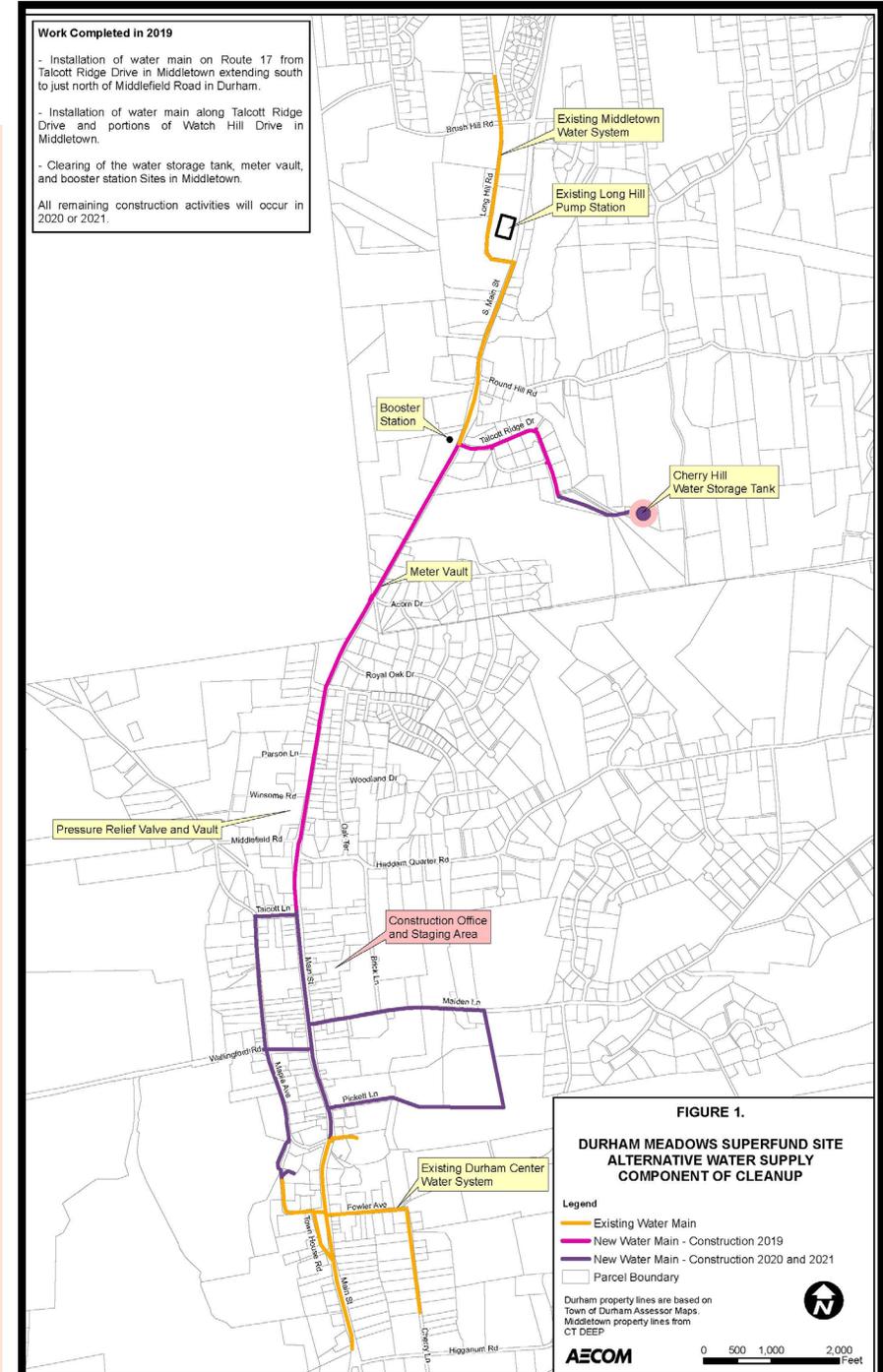
# Background

- EPA will only be fully connecting (water service into the residences or businesses) the properties where groundwater contamination from the two contaminant sources areas within the Durham Meadows Superfund site has been found or could potential migrate to in the future.
  - Areas highlighted in yellow (A, E and a portion of I).
- The Superfund cleanup area is just one of several areas of Durham that may be connected to the water line in the long-term.
- A study funded by CTDEEP identified nine areas with various water quality or yield issues, identified as A through I.
  - The Town of Durham and CTDEEP are working to address areas B, C, D, and the remaining area of I through the state 471 process.
- In addition, the existing Durham Center Water Service will be connected to the new water line to allow the existing fairground wells to be taken off-line.



# Water Line Project

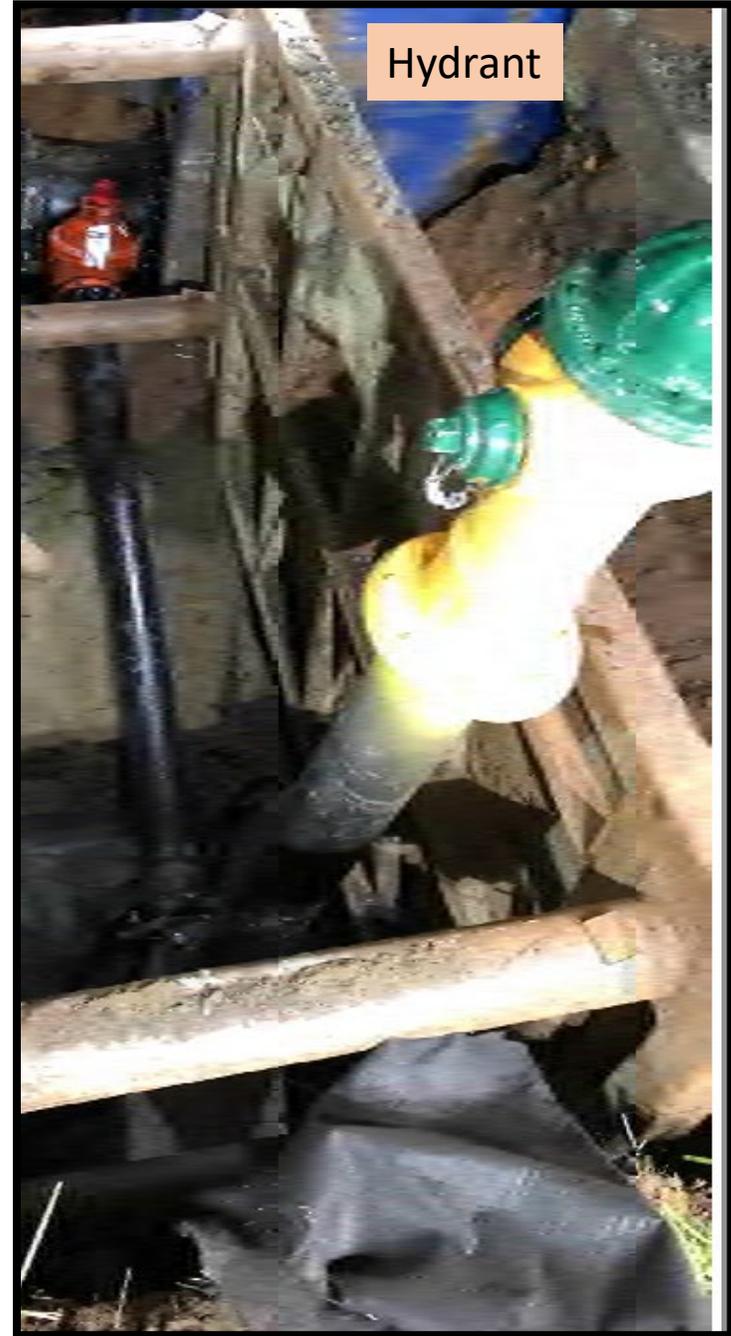
- In 2018, all of the design, permitting and inter-municipal agreements were in place to allow EPA to procure a contract to install the water line.
- EPA retained the United States Army Corps of Engineers (USACE) to procure, manage and provide technical oversight of the contract.
- USACE award the contract for the water line installation to Ludlow Construction Company in November 2018. The construction activities began July 2019 with the establishment of the construction office and staging area in Durham. Other activities completed in 2019 include:
  - Installation of the 9,556 linear feet of water main:
    - From Route 17 from Talcott Ridge Drive in Middletown almost to Middlefield Road (Route 147) in Durham.
    - The entire length of Talcott Ridge Drive and sections of Watch Hill Drive in Middletown.
  - Clearing the trees at the water tank, booster station, and meter vault locations.



16 inch water main



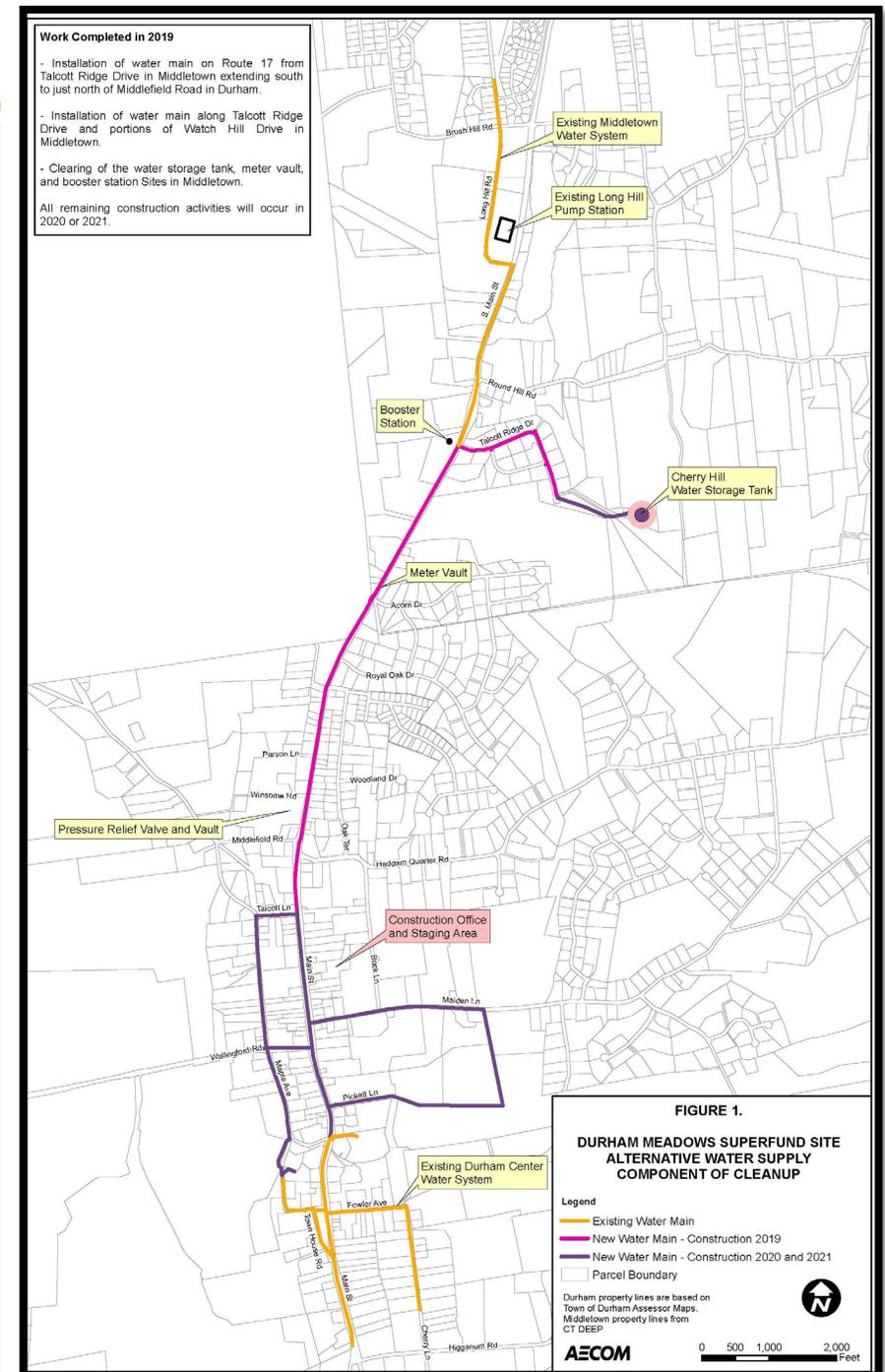
Hydrant



# Water Line Project

## Construction Activities Planned for 2020 (Schedule subject to change)

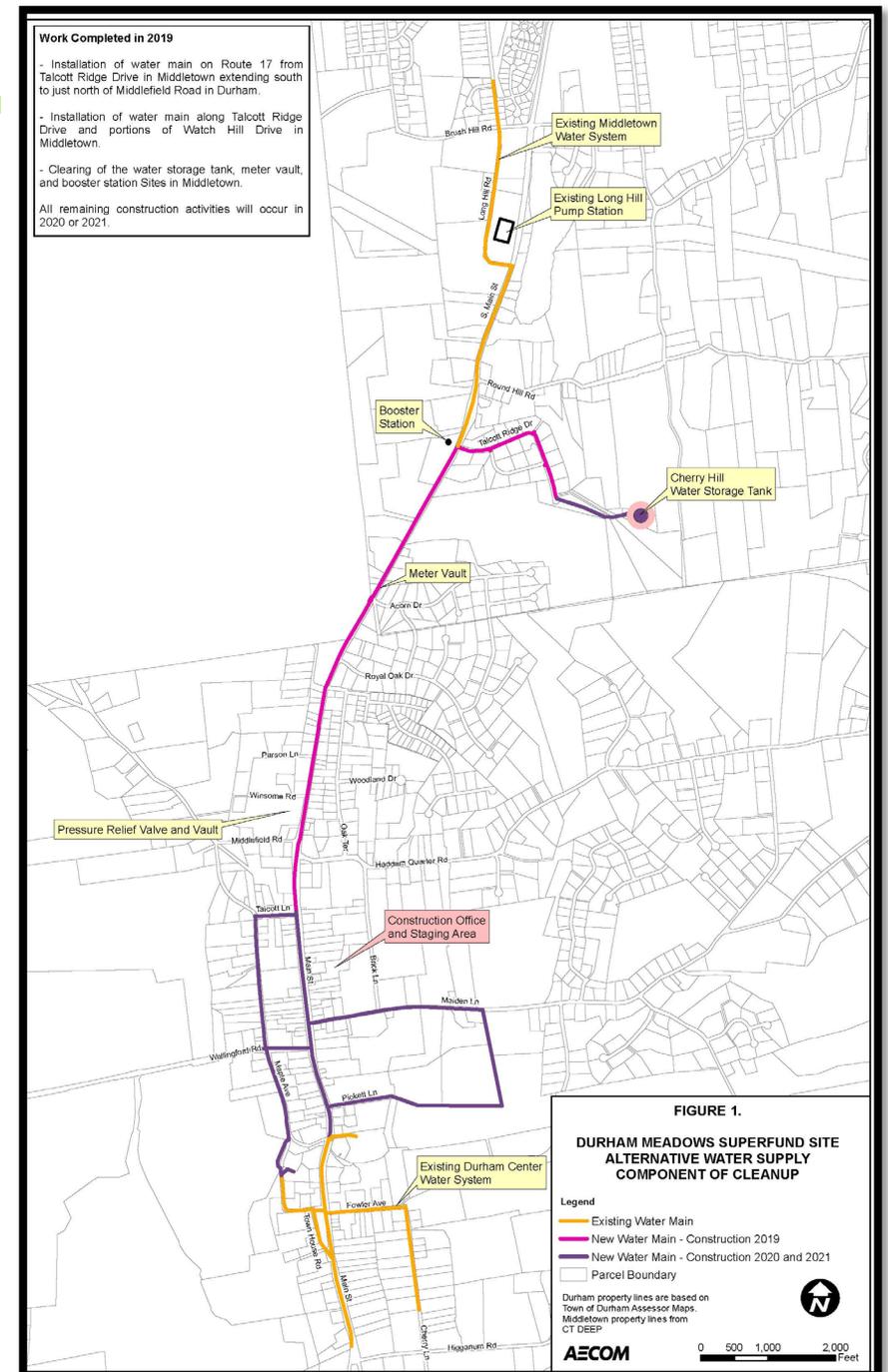
- April – June 2020: Complete installation of water line along Route 17 from Route 147 to Old Cemetery Road.
- June - November 2020: Installation of curb stop connections along Route 17, beginning in Middletown and extending south.
- Construction of the water tank
  - April 2020 - Prepare tank site and access road drainage structures.
  - April 2020 – Install 20 inch water line from Talcott Ridge Drive cul-de-sac to tank site.
  - May 2020 – Install road base and initial pavement.
  - June – November 2020 – Water tank construction.
- May – November 2020: Construction of the meter vault, booster station, pressure reducing valve vault, and altitude vault.
- June – July 2020: Installation of install new pump station control system and chlorination booster system at the Long Hill Pump station.
- Sept – Nov 2020: Installation of the Maple Ave culvert crossing for Allyn Brook and the water main on Maple Ave.



# Water Line Project

## Construction Activities Planned for 2021 (Schedule subject to change)

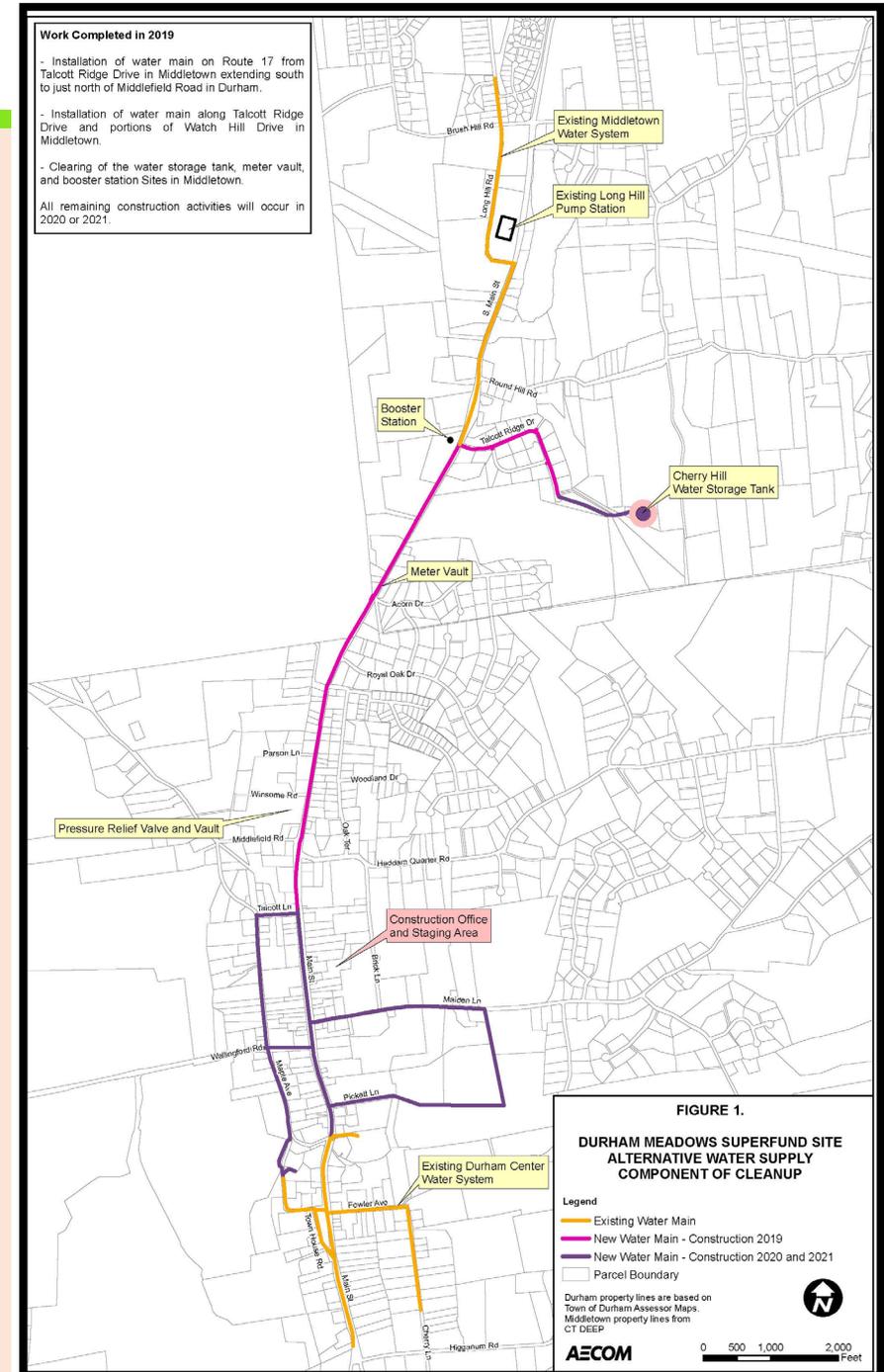
- April 2021: Complete water line installation on Maple Ave and Talcott Lane.
- May – Aug 2021: Install water line on Wallingford Road (Route 68), Maiden Lane and Pickett Lane.
- April – Aug 2021: Install curb stops on water main along Wallingford Road (Route 68), Maple Ave, Talcott Lane, Maiden Lane and Pickett Lane.
- Aug – Nov 2021: Install water service into residence or structures along Route 17, Maple Ave, Talcott Lane, and Wallingford Road (Route 68).
- July – Aug 2021: Final Paving of Route 17, Wallingford Rd (Route 69), Talcott Ridge Drive, Watch Hill Drive, Shared Access Driveway



# Water Line Project

## Construction Activities Planned for 2022 (Schedule subject to change)

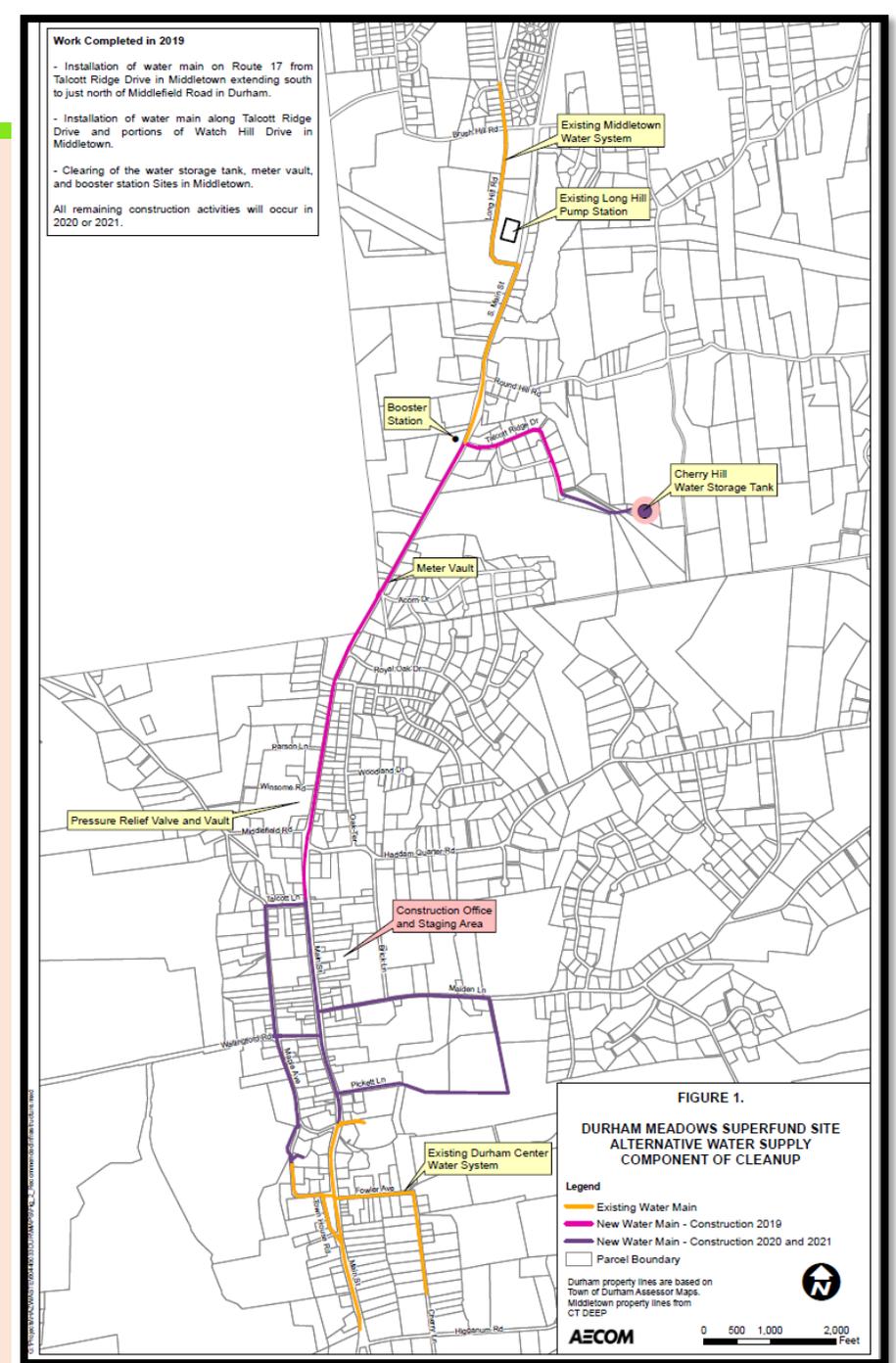
- April 2022: Water line installation from curb stop to inside home or business on Maiden Lane.
- April 2022: Final paving Maple Ave, Talcott Lane, and Maiden Lane.
- May 2022: Abandonment of existing water supply wells after full service is established and sustained.
- Decommissioning of the Durham Center Water Service pump station and separation of the fairground wells from the water system.
- Demobilization of equipment and crews.
- Final restoration of areas impacted by the construction activities.



# Water Line Project

## Working hours (subject to change) and traffic control:

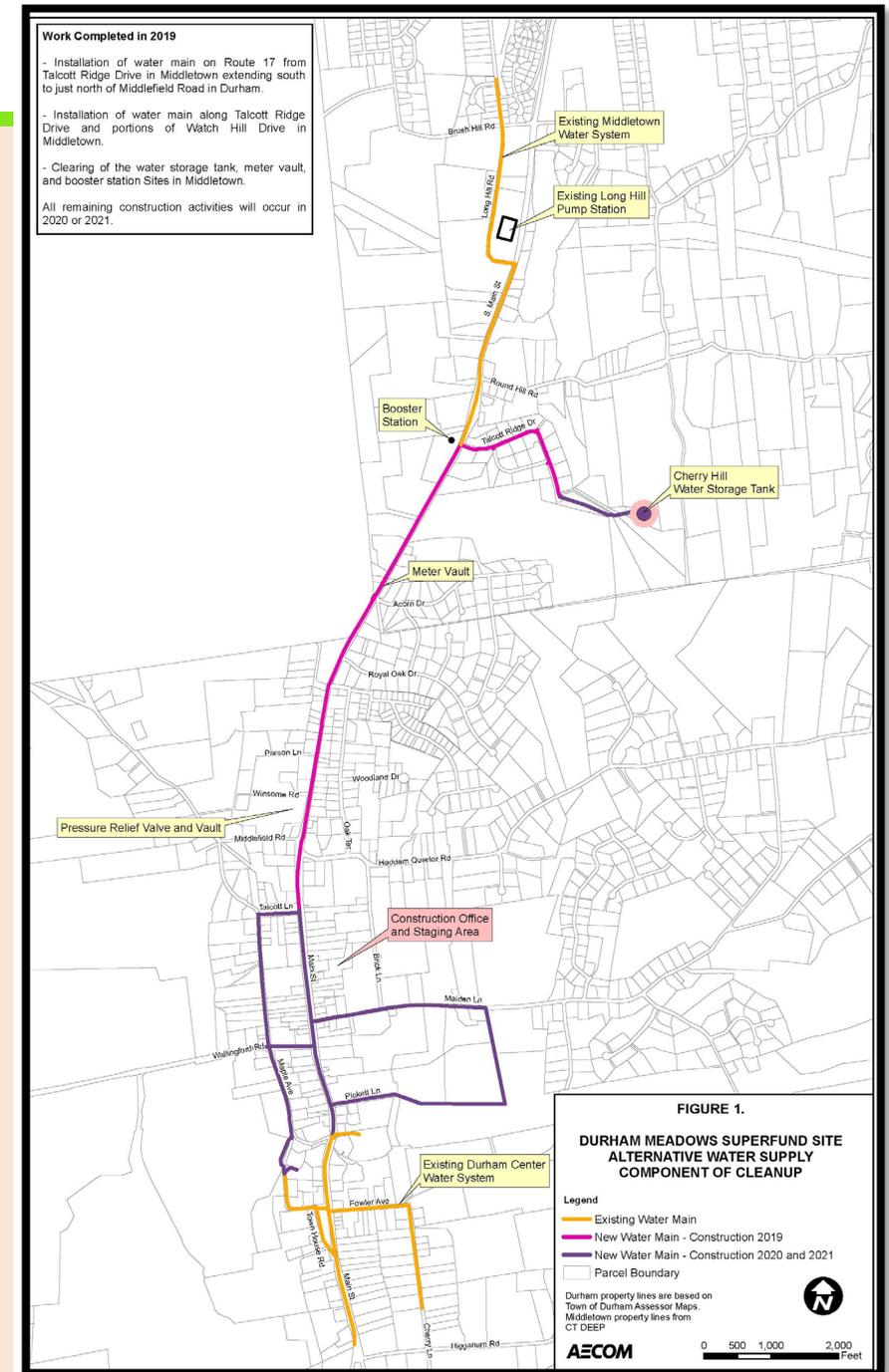
- The majority of the work on State highways (Route 17 and Route 68) will occur at night from 7 pm to 5 am from Sunday – Wed, some Thursdays.
  - Middletown Police or State Trooper will be present.
  - State highway will be reduced to one lane of alternating traffic during that time.
- Work on Town Roads will occur 7 am to 4 pm from Monday thru Friday.
  - Roads under construction will be closed to all traffic except residents and emergency vehicles.
  - Contractor is required to maintain access for emergency vehicles at all times and will make every effort to accommodate owner access to their homes and commercial properties.
- Work on roads will end by the end of December each year.
- Work in roads will not be allowed five days prior to the start of, during, and one day after the completion of the Durham Fair.



# Water Line Project

## Information and Outreach:

- Please send any comments, questions or concerns to Edward Hathaway at [hathaway.ed@epa.gov](mailto:hathaway.ed@epa.gov) or 617-918-1372
- For construction related issues that must be addressed during the overnight work hours contact information will be provided to the residencies and business in advance of the work in front of their property.
- Michael Cunningham, who works for Ludlow Construction Company, is the community liaison who will assist in providing updates and notifications to the community.



# Additional Information:

- When will water service begin?
  - The current date is not certain. The water line must be installed, tested, and approved by the CT Dept. of Public Health before water can be delivered for use. In addition, there must be sufficient demand to initiate the water delivery. Water service could begin in 2021 , but would begin no later than 2022.
- What if I am not sure whether I am being connected to the water line via a curb stop or full water service connection?
  - You should have been contacted by EPA and signed a permission form to allow for a water service installation. See attached figure and tables for the location of the curb stop only and full water service connections. If you have questions, please contact Edward Hathaway at [hathaway.ed@epa.gov](mailto:hathaway.ed@epa.gov) or at (617) 918-1372.
- How will the water connection inside my house or business be performed?
  - EPA has developed an information sheet entitled “What to Expect During Water Line Installation to My Property?”, please let us know if you do not have a copy and another will be provided.
  - Also, each property owner should have received the details regarding the water line connection including the location of the water line on their property, the location of the water line entrance into the structure, and the interior connection details. If you do not have these details, please contact EPA.

# Additional Information:

- Who will pay for the connection?
  - All of the construction work is being paid for by EPA and CTDEEP.
- Who will pay for the water?
  - Each property owner will be responsible for paying for their water. The Town of Durham will be managing the billing for the water.
- Why does my neighbor receive bottled water?
  - Only properties with wells containing 1,4 dioxin above the CTDEEP threshold of 3 ug/l (parts per billion) receive bottled water.
- What if feel that my property was damaged by water line contractor?
  - Please contact:

Michael J. Cunningham  
Public Relations/Project Coordinator  
Ludlow Construction Company  
413-507-1967

[mcunningham@ludlowconstruction.com](mailto:mcunningham@ludlowconstruction.com)



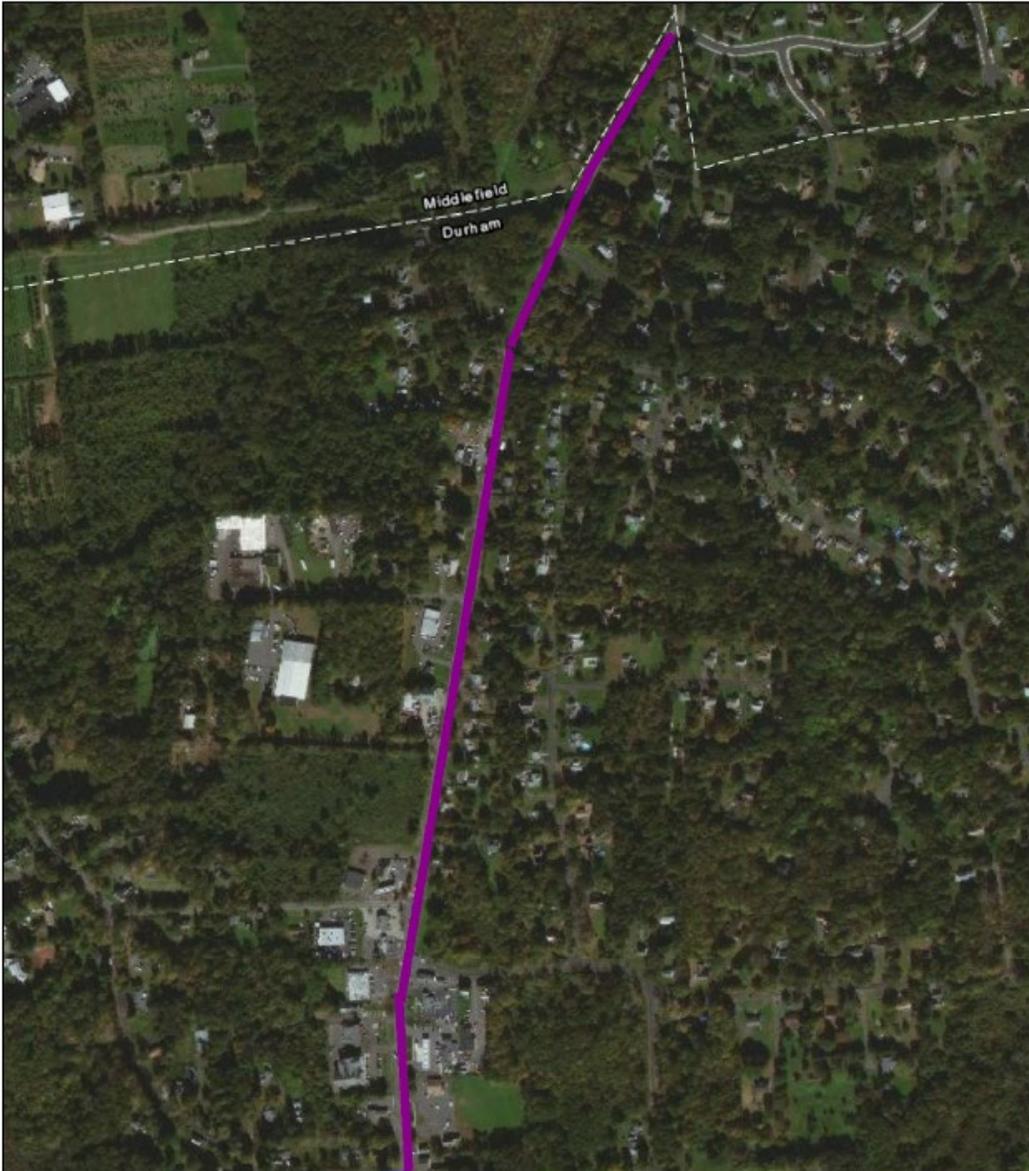
# Durham - Curb Stop Only

Durham Meadows Superfund Site

1 inch = 564 Feet



January 8, 2020



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# Durham - Extend of New Water Connections

Durham Meadows Superfund Site

1 inch = 530 Feet



January 8, 2020



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# Durham Water Line Curb Stop and Full Connection Lists

Properties in Durham where a curb stop will be installed, but not a full service connection into the structure will be installed	
18R Packinghouse Hill Road	*413 Main Street
7 Royal Oak Drive	417 Main Street
12 Royal Oak Drive	422 Main Street
112 Oak Terrace	423 Main Street
136 Oak Terrace	425 Main Street
13 Middlefield Road	428 Main Street
174 Main Street	431 Main Street
191 Main Street (Sports Field)	*435 Main Street
281 Main Street	*437 Main Street
281R Main Street	441 Main Street
327 Main Street	447 Main Street
328 Main Street	448 Main Street
336 Main Street	454 Main Street
339 Main Street	*457 Main Street
349 Main Street	*459 Main Street
350 Main Street	460 Main Street
357 Main Street	465 Main Street
360 Main Street	472 Main Street
363 Main Street	475 Main Street
370 Main Street	478R Main Street
384 Main Street	*484 Main Street
385 Main Street	490 Main Street
391 Main Street	514 Main Street
394 Main Street	96 Maiden Lane
395 Main Street	139 Maple Avenue
397 Main Street	*214R Maple Avenue
407 Main Street	

Properties in Durham where a curb stop and full service connection is planned		
119 Main Street	*262 Main Street	175 Maple Avenue
120 Main Street	265 Main Street	176 Maple Avenue
127 Main Street	267 Main Street	184 Maple Avenue
151R Main Street	268 Main Street	187 Maple Avenue
153 Main Street	271 Main Street	188 Maple Avenue
167 Main Street	272 Main Street	200 Maple Avenue
168 Main Street	275 Main Street	206 Maple Avenue
175R Main Street	280 Main Street	212R Maple Avenue
176 Main Street	289 Main Street	*224 Maple Avenue
177R Main Street	293 Main Street	228R Maple Avenue
186 Main Street	297 Main Street	230 Maple Avenue
188 Main Street	298 Main Street	*235 Maple Avenue
191 Main Street	*303 Main Street	236 Maple Avenue
196 Main Street	*305R Main Street	244 Maple Avenue
199 Main Street	307 Main Street	245 Maple Avenue
201 Main Street	308 Main Street	254 Maple Avenue
202 Main Street	312 Main Street	*11 Maiden Lane
203R Main Street	313 Main Street	17 Maiden Lane
205 Main Street	316 Main Street	18 Maiden Lane
208 Main Street	321 Main Street	19 Maiden Lane
215 Main Street	322 Main Street	24 Maiden Lane
*216 Main Street	325 Main Street	29 Maiden Lane
220 Main Street	13 Maple Avenue	*35 Maiden Lane
227/227A Main Street	29 Maple Avenue	36 Maiden Lane
233 Main Street	95R Maple Avenue	*63 Maiden Lane
235 Main Street	97 Maple Avenue	78 Maiden Lane
228/228R Main Street	109 Maple Avenue	93R Maiden Lane
236 Main Street	110 Maple Avenue	105 Maiden Lane
239 Main Street	*119 Maple Avenue	110 Maiden Lane
238 Main Street	126 Maple Avenue	114R Maiden Lane
242 Main Street	129 Maple Avenue	123 Maiden Lane
243 Main Street	133 Maple Avenue	17 Wallingford Road
246 Main Street	146 Maple Avenue	22 Wallingford Road
248 Main Street	148 Maple Avenue	14 Talcott Lane
252 Main Street	158 Maple Avenue	25 Talcott Lane
253 Main Street	162 Maple Avenue	47 Wallingford Road
256 Main Street	166 Maple Avenue	Durham Fairgrounds
*257 Main Street	172 Maple Avenue	10 John's Way
261 Main Street	173 Maple Avenue	RSD #13 School District

# Contact Information

## EPA Contact Information:

Edward Hathaway, Project Manager

Mailcode: SEMD07-1

(617) 918-1372

[hathaway.ed@epa.gov](mailto:hathaway.ed@epa.gov)

Darriel Swatts, Community Involvement Coordinator (CIC):

(617) 918-1065

[Swatts.darriel@epa.gov](mailto:Swatts.darriel@epa.gov)

## EPA Mailing Address:

EPA New England, 5 Post Office Square, mailcode: SEMD07-1, Suite 100, Boston, MA 02109-3912

EPA posts regular updates regarding the Water Line Project on the EPA Durham Meadows Superfund Site website [www.epa.gov/superfund/durham](http://www.epa.gov/superfund/durham). Once at the website, please select [Water Main Progress Reports](#).

## Town of Durham:

Laura Francis, First Selectman

(860) 349-3625

[Lfrancis@townofdurhamct.org](mailto:Lfrancis@townofdurhamct.org)

## CTDEEP:

Jing Chen, Project Manager

(860) 424-3391

[Jing.Chen@ct.gov](mailto:Jing.Chen@ct.gov)

## City of Middletown Water and Sewer Department:

Joe Fazzino, Director

860-638-3510

[Joe.Fazzino@MiddletownCT.Gov](mailto:Joe.Fazzino@MiddletownCT.Gov)

Donald Fisco, Deputy Director

860.638.3545

[Donald.Fisco@MiddletownCT.Gov](mailto:Donald.Fisco@MiddletownCT.Gov)