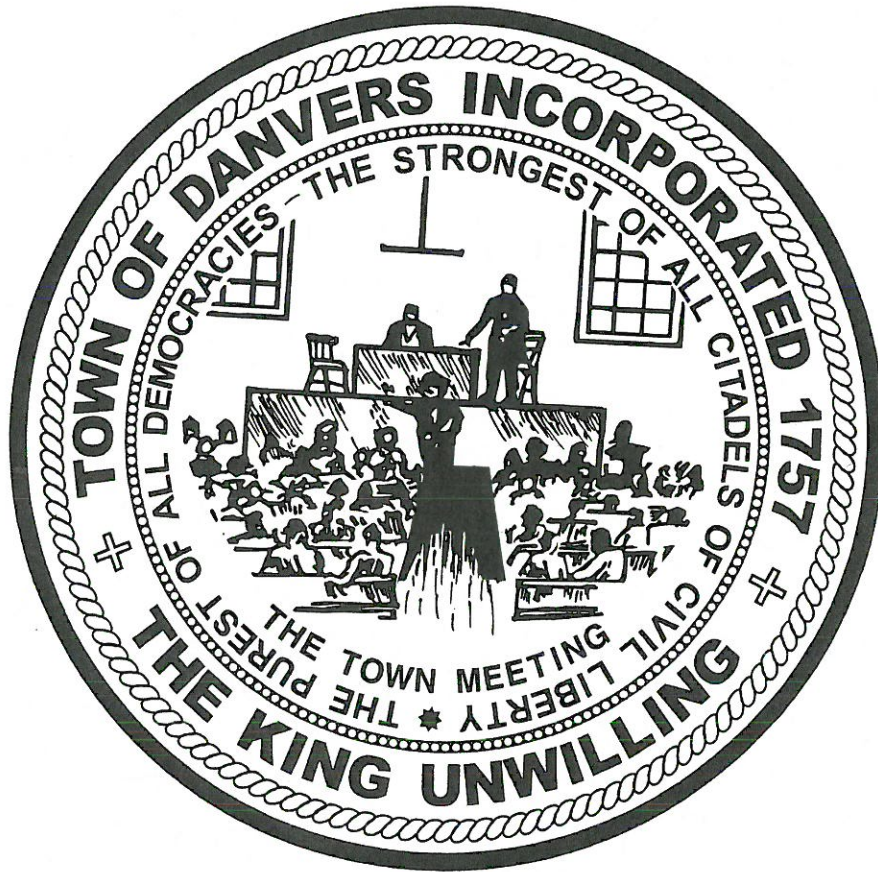


Town of Danvers



ANNUAL TOWN MEETING
May 21, 2018 - 7:30 P.M.
Danvers High School Auditorium

Warrant & Explanation Report
Fiscal Year 2019

www.danversma.gov

Town of Danvers, Massachusetts

Memorandum

TO: Board of Selectmen, Town Moderator
Town Meeting Members, Finance Committee

FROM: Steve Bartha, Town Manager
Joseph L. Collins, Town Clerk

DATE: April 30, 2018

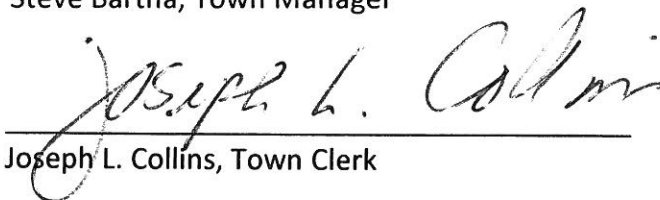
RE: **Warrant & Explanation Report**
Special & Annual Town Meetings - May 21, 2018

The Annual Town Meeting will be held in the **Danvers High School Auditorium** (Cabot Road) on **Monday, May 21, 2018, at 7:30 P.M.** The Warrant & Explanation Report is submitted on the following pages.

The Finance Committee will review the Warrant Articles on **Tuesday, April 24,** and on **Thursday, April 26,** at **6:30 P.M.** in the **Daniel J. Toomey Hearing Room.**



Steve Bartha, Town Manager



Joseph L. Collins, Town Clerk

SB:af

Index
Warrant Articles & Explanation Report
Special Town Meeting - May 21, 2018

No.	Title	Page
1	Unpaid Bills	1
2	Budget Transfers - Fiscal 2018	1
3	State Public Works Grant	1

Annual Town Meeting - May 21, 2018

No.	Title	Page
1	Election of Officers	3
2	Budget - Fiscal 2019	3
3	Electric Division Budget	3
4	Essex No. Shore Agricultural & Technical School District Assessment	4
5	Authorization of Collector of Taxes to Act	4
6	Committee Reports	4
7	Citizen Petition - Municipal Light Company (MLC)	5
8	Disposal of Town-owned Property	5
9	Amendment to Town By-law: Commercial Trash Pick-up	5
10	Technology Plan	6
11	Radio Infrastructure Replacement	7
12	Fiber Optic Improvements	7
13	School Transportation Vehicles	8
14	Pavement Management & Sidewalk Improvements	8
15	Roadway Layout & Acceptance of Public Ways	8
16	Amendment to Town By-law: Plastic Bag Reduction	9
17	Rail Trail Expansion	11
18	Contamination Removal at Brown Pond	12
19	Maintenance Dredging	12
20	Swan Pond Reservoir Pump Station Rehabilitation	13
21	Middleton Pond Reservoir - Dam Safety Inspections	13
22	Water Main Replacement Program	14
23	Wastewater Collection Maintenance Flushing	14
24	Wastewater Facilities Improvements	14
25	Highland School Roof Replacement	15
26	Building Improvements (17)	15
27	Grounds Improvements (9)	18
28	Drainage Maintenance	19
29	Drainage Liability	19

No.	Title	Page
30	Amendment of Preservation Revolving Fund	20
31	Rescind Vote of 2016 Annual Town Meeting Warrant Article	20
32	Re-establishment of Revolving Fund Accounts	21
33	Grant of Easement to Middleton Electric Light Department	23
34	Disbursement of Middleton Right of Way Funds	23
35	School Construction Stabilization Fund	24
36	Stabilization Fund	24
37	OPEB Trust Fund	24
38	Fiscal Year 2019 Budget Amendments	25

Appendices

	Funding Sources for May 21, 2018 Town Meeting	26
	FY 2019 Capital Improvements - Summary by Department	27
	Warrant Article Balances as of 3/31/18	29
8	Disposal of Town-owned Property	31
16	Plastic Bag Reduction	32
17	Rail Trail Expansion Planning	34
23	Wastewater Collection Maintenance Flushing	36
33	Grant of Easement to Middleton Electric Light Department	37

*Warrant & Explanation Report
Special Town Meeting
May 21, 2018*

Article 1: Unpaid Bills. To see what sum the Town will vote to appropriate for the payment of certain unpaid bills for previous years, or take any other action thereon.

This Article is on the warrant if previous years' bills are identified. At the time of the printing of this warrant, no prior years' bills have been identified.

Article 2: Budget Transfers – Fiscal 2018. To see if the Town will vote to amend the actions taken under Article 2 of the May 15, 2017 Annual Town Meeting or under Article 2 of the December 4, 2017 Special Town Meeting by adding certain appropriations or by reducing certain appropriations, by transfer among accounts, by transfer from prior appropriations under articles, or from available funds, or take any other action thereon.

Several Town departments will require operating budget transfers prior to the end of the fiscal year; a listing of these transfers will be available at the April 24 Finance Committee hearing.

Article 3: State Public Works Grant. To see what sum the Town will vote to appropriate for public works projects, such sum to be reimbursed by the State Transportation Bond Bill, or take any other action thereon.

The Legislature has authorized an appropriation of \$200 million through the State Transportation Bond Bill for transportation and roadway improvements throughout the Commonwealth. Most these Chapter 90 funds will be used for roadway-related improvements, as part of the Town's ongoing pavement management program. We recommend that the full amount of the Town's appropriation of **\$905,139** be authorized by Town Meeting.

Board of Selectmen

/s/ *David A. Mills*

David A. Mills, Chairman

/s/ *Diane M. Langlais*

Diane M. Langlais

/s/ *Daniel C. Bennett*

Daniel C. Bennett

/s/ *Gardner S. Trask III*

Gardner S. Trask III

/s/ *William H. Clark, Jr.*

William H. Clark, Jr.

Warrant & Explanation Report
Annual Town Meeting
May 21, 2018

Article 1: Election of Officers. To choose such officers as are required by law to be chosen in the months of April, May, and June annually, if they have not been elected by written ballot at the annual election, or take any other action thereon.

The following offices of the Town require election at the Annual Town Meeting:

Field Driver	Weigher of Coal
Pound Keeper	Fence Viewers
Measurer of Wood & Bark	River Committee

The Chairman of the Board of Selectmen will offer a slate of candidates for election to each of these offices.

Article 2: Budget - Fiscal 2019. To determine what sums of money the Town will vote to appropriate to defray the charges and expenses of the Town for Fiscal Year 2019, and to determine whether the money so appropriated shall be provided by taxation, by appropriation from available funds or by borrowing, or take any other action thereon.

This Article provides the opportunity for Town Meeting to act upon the recommendations of the Finance Committee concerning the operating budget for all Town departments, in a format essentially as set forth on pages 4 and 5 of the Selectmen's Fiscal Year 2019 Budget.

Article 3: Electric Division Budget. To see if the Town will vote to appropriate, for the Electric Division, the income from the sale of electricity to private consumers, electricity supplied to municipal buildings for municipal power, electricity supplied for street lights, and jobbing during the current fiscal year, the whole to be expended under the direction and control of the Town Manager, for the expense of the plant for said Fiscal Year, as defined by § 57 of Chapter 164 of the M.G.L., and to determine whether said income shall exceed said expenses for said Fiscal Year, or take any other action thereon.

A vote of Town Meeting is required each year, authorizing the Electric Division to function and to conduct its operations on a self-supporting basis. The Division's detailed budget is included in the Town budget document and was presented and discussed by the Board of Selectmen and the Finance Committee. The Division continues to be a very strong asset to the community in terms of its high degree of dependability, its maintenance of competitive electric rates, and its collaborative approach with other departments.

Article 4: Essex North Shore Agricultural & Technical School District Assessment. To see what sum the Town will vote to appropriate for the payment of the assessment certified by the Essex North Shore Agricultural & Technical School District, or take any other action thereon.

The Fiscal Year 2019 assessment of **\$2,383,789 (taxation)** is based on Danvers' 147-student enrollment figure as of October 2017, which represents 13.52% of the student population at Essex Tech.

Article 5: Authorization of Collector of Taxes to Act. To see if the Town will vote to authorize the Collector of Taxes to use all means of collecting taxes which a Town Treasurer may use when appointed Collector of Taxes, permissible under the statutes of the Commonwealth of Massachusetts, or take any other action thereon.

Massachusetts General Law requires that this vote be taken at each Annual Town Meeting so that the Tax Collector can perform his job effectively. The Town of Danvers has an excellent collection record, with an average annual property tax collection rate of more than 98%. There are several steps that can be taken by the Tax Collector under this Article (demand notices, tax liens, foreclosures, etc.) to assist in the collection of delinquent accounts. Town Meeting has the option, under this Article, of limiting the measures that can be used.

Article 6: Committee Reports. To see if the Town will vote to hear, consider, and accept the reports of the Town boards, commissions, officers, committees, or take any other action thereon.

The Annual Town Report (for fiscal year 2017), with the reports of various elected committees, was sent to all Town Meeting members in December.

Article 7: Citizen Petition – Municipal Light Company (MLC). To see if the Town will reduce the appropriation of funds in the Electric Company Capital Budget designated for traffic intersection improvements, loans to Water & Sewer Enterprise Company, pre-funding retirement payments, direct maintenance and development of the Rail Trail and other capital expenses for projects not related to the lawful operation and maintenance of the Danvers Electric Company. To see if the Town Manager will request the manager and the MLB to reduce the electric rates for the period of FY 17 (CY2016), FY18 (CY 2017), and FY19 (CY 2018). The rate reduction or a dividend to the electric company ratepayers shall (be) equal to the inappropriate use of electric company rate payer funds for non-related electric customer projects. The amount of the credit shall be determined after an investigation of the legality of the previously appropriated for calendar year 2016, 2017 and 2018 at the Annual Town Meetings, or take any other action thereon. [submitted by Mark Zuberek et al]

This article is on the warrant as the result of a citizens' petition. On April 17, 2018, the Board of Selectmen voted (5-0): Unfavorable Recommendation.

Article 8: Disposal of Town Owned Property. To see if the Town will vote to authorize the Board of Selectmen to dispose of, by sale or lease, a portion or the entirety of Town owned property acquired by tax title process in January 1979 located at 321R Maple Street, shown on Assessors Map 33, Parcel 18A, containing approximately 33,000 square feet, in accordance with provisions of MGL c. 30B, S. 16, or take any other action in relation thereto.

Last fall, a resident approached the Town to inquire about the availability of 321R Maple Street. As this property was declared "land of low value" by the Town in 1979, the process to dispose of such property requires that the Board of Selectmen declare the property as surplus and recommend disposal of said property to the Town Meeting. We recommend that the Town, under the provisions of MGL C. 40, S. 3, dispose of the property by a bid process. **See map on Page 31.**

Article 9: Amendment to Town By-law – Commercial Trash Pick-up. To see if the Town will vote to amend Chapter XXXII, entitled "Commercial Trash Pick-up," by adding the language which appears below [deletion underlined; additions in italics], or take any other action thereon.

Section 1: As of the effective date of this By-law, no commercial trash pickup or refuse removal within the Town of Danvers may occur prior to 7:00 A.M. or after 7:00 P.M. Commercial trash pickup and refuse removal includes all business, lessees and property owners and commercial trash haulers under contract to said business and property owners.

Section 3: A violation of this By-Law shall result in the following penalty or penalties:

First Offense:	Warning
Second Offense:	Twenty-Five Dollars (\$25)
Third Offense:	Fifty Dollars (\$50)
Fourth and Each Subsequent Offense:	One Hundred Dollars (\$100)

Offense	Business and/or Property Owner	Commercial Trash Hauler
<i>First Offense</i>	<i>Warning</i>	<i>Warning</i>
<i>Second Offense</i>	<i>Twenty-Five Dollars (\$25)</i>	<i>Second Offense & each subsequent offense – Three Hundred Dollars (\$300)</i>
<i>Third Offense & each subsequent offense</i>	<i>Fifty Dollars (\$50)</i>	

Explanation: This article has been prepared in response to numerous, ongoing violations of the Town’s General By-law Chapter XXXII, § 3, Commercial Trash Pick-up and complaints by residents. The By-law in question states in part: “...no commercial trash pick-up or refuse removal within the Town of Danvers may occur prior to 7:00 A.M. or after 7:00 P.M.” The updated schedule of penalties is designed to discourage trash haulers from disregarding the pick-up time limitations that are clearly outlined in the by-law.

Article 10: Technology Plan. To see what sum the Town will vote to appropriate for the purchase and installation of hardware and software for telecommunications, computers, and related networking equipment for various Town departments, or take any other action thereon.

This article requests an appropriation of **\$402,560 (Free Cash)** to support the ongoing investment in the town-wide technology program. By a single appropriation, we minimize duplication of technology efforts and costs between Library, General Government and Schools. The Town’s responsibility for IT infrastructure is maintained and updated through this article, as are departmental, nonrecurring expenses for hardware and software added to the IT network. Routine, annual operational costs are included in the Information Technology or School Department budgets.

The **School** request for **\$166,750** includes: replacement of one network core switch (\$55,500); software engineering to make the DPS VOIP phone system compliant with 560 CMR 4 (enhanced 911) (\$40,250); firewall equipment to support internet redundancy (\$38,000); Chromebook charging stations to support the ongoing one-to-one device initiative in elementary schools (\$23,000); and replacements of aging administrator laptops throughout the district (\$10,000).

The **Library’s** IT services are provided primarily through its membership in NOBLE, the (North of Boston Library Exchange). The Town supports those items not covered. The total request of **\$40,465** includes: security camera replacement/upgrades throughout the building (\$22,000); six (6) laptops with associated charging and storage for a mobile computer lab (\$6,175); replacement of seven (7) desktop computers and one (1) printer in accordance with a regular replacement cycle (\$4,940); a visitor counting system to track attendance and maintain usage volume statistics (\$3,350); a 3D

printer and related design tools required to launch a makerspace program (\$3,000); and miscellaneous technical supplies (\$1,000).

The **General Government** request of **\$195,345** includes: two (2) laptops to support fire prevention and emergency management (\$4,000) and one projector (\$600) for the Fire Department; replacement laptops for Engineering (\$10,100); upgrade of backup/replication software (\$15,000); five (5) replacement laptops and associated installation for Police cruisers (\$28,645); replacement of network switching equipment (\$12,000); and Office 365 productivity suite, which has an annual licensing cost of (\$40,000) and is planned to transition to the operating budget in fiscal year 2020. The General Government request also include the third and final phase of the data center upgrade (\$85,000), which includes hardware and necessary server virtualization software. By virtualizing and moving to a shared resource model to improve efficiencies in several areas, the Town is consolidating resources and decreasing its physical IT footprint, power consumption, and cooling requirements while improving system performance, reliability, and redundancy. Cost savings and increased scalability will position Danvers to offer IT services to regional partners.

Article 11: Radio Infrastructure Replacement. To see what sum the Town will vote to appropriate to replace aging Police, Fire, and DPW radio infrastructure, or take any other action thereon.

This Article will provide funding to replace the aging Police, Fire, and DPW two-way radio infrastructure. As currently constructed, the radio repeater and transmission sites have equipment that has passed its life cycle and can no longer be properly serviced. The replacement and upgrade to these radio sites will ensure proper public safety and DPW radio coverage. The cost for all hardware, software, and services is **\$470,870 (Free Cash)**.

Article 12: Fiber Optic Improvements. To see what sum the Town will vote to appropriate for the year two costs of a multi-year project to install fiber optic cabling and related equipment, or take any other action thereon.

The Town seeks an appropriation of **\$240,000** in fiscal year 2019 (**\$215,000** from **Free Cash**; **\$25,000** from **Sewer Retained Earnings**) to begin the second of three phases of a fiber optic infrastructure project. Phase two is an expansion on the public safety fiber loop and strategic backbone for which funds were appropriated at Town Meeting last year. The initial phase connected eight (8) total locations and allowed for significant expansion capacity. Phase two will allow the town to connect an additional seventeen (17) locations, including all school buildings, completely replacing the aging Comcast I-Net infrastructure. Modern fiber has a 25-year warranty, an expected useful life of 35 years, and is designed with sufficient backbone capacity to accommodate future growth and increased technology demands. The Town hopes to eliminate additional operating costs and increase service to Town buildings, schools, and utilities through service consolidation and by expanding the proposed fiber network in future years, which will also position the Town to provide regional technology services and realize other potential revenue generating services. A planned Phase three will connect individual legs of the network to provide significant redundancy.

Article 13: School Transportation Vehicles. To see what sum the Town will vote to appropriate for the purchase of one (1) wheelchair van and one (1) 77-passenger school bus, or take any other action thereon.

This article provides an appropriation for the purchase of one (1) wheelchair van (**\$50,000**), and one (1) 77-passenger school bus (**\$35,000** for year one of a three-year lease) for a total appropriation of **\$85,000** to be raised by transfer from **Free Cash**.

Article 14: Pavement Management & Sidewalk Improvements. To see what sum the Town will vote to appropriate for the implementation of a pavement management program including consulting services, computer programs, crack sealing, sidewalk improvements, and the reconstruction of Town ways and to determine whether this appropriation should be raised by borrowing or otherwise, or take any other action thereon.

Each year, Town Meeting appropriates varying sums, to be used with State grant funds, to finance the Pavement Management Program, which includes work on all existing Town and school roadways, sidewalks, curbing, and parking areas. State funding has been level for many years, and Town funding was only increased last year due to the large number of municipal projects such as parking lots. Additionally, we have seen a decrease in the life expectancy of road pavement due to environmental regulations requiring the use of more recycled products and changes to the binding oils. Overall, this has resulted in a backlog of areas needing improvement greater than \$1 million.

In order to begin making repairs to sidewalks and to get the roads in acceptable condition, we recommend an increase in the funding for this article to fund: annual crack sealing, small paving, sidewalk, and curbing repairs; repaving the Great Oak parking lot; repaving the Atrium parking lot; repaving the School Street municipal lot; replacing the High Street fire station concrete apron; paving the Thorpe School drop-off area; and granite curbing replacement, including completion of the project at Endicott Park. We recommend that **\$288,000 (Free Cash)** be authorized for these purposes.

Article 15: Roadway Layout & Acceptance of Public Ways. To see if the Town will vote to approve the layout and acceptance plans, to accept certain roads as public ways, and to authorize the Board of Selectmen to acquire by gift, purchase, taking or otherwise, any fee, easement or other interest in any easement related to such public ways, or take any other action thereon.

Beginning in fiscal year 2000, Town Meeting has funded the preparation of Layout and Acceptance Plans of existing private ways in Town for Acceptance as Public Ways. When the private way Roadway Layout and Acceptance Plans are complete, the roadway acceptance plans are presented to the Board of Selectmen to lay out the streets as public ways prior to Town Meeting. This step in the process will require a public hearing and public meeting to vote to lay out the way for Town Meeting acceptance. To complete the process, Town Meeting must vote to accept the streets as public ways and authorize the Board of Selectmen to complete the process by acceptance as a gift, purchase, or

by eminent domain any land or easements necessary within the way laid out by the Board of Selectmen. The vote shall also carry a provision to provide damage awards, if necessary.

We recommend that Town Meeting hear the Selectmen's report relative to the layout and acceptance of the following as public ways: Conifer Hill Drive, Cornell Road, Doty Avenue, Healy Court, Gates Street, Hampshire Street, Regent Drive, Twin Echo Lane and Bridle Road Extension.

We further recommend that the Board of Selectmen be authorized to take by eminent domain, acquire by purchase or, as otherwise as may be necessary, to acquire the land and easements necessary for said layouts. In as much as these roadways have been maintained by the Town of Danvers as Public Ways, we do not recommend any damage awards under this Warrant Article request.

ARTICLE 16: Amendment to Town By-laws – Plastic Bag Reduction. To see if the Town will vote to amend the Town Bylaws by the addition of a plastic bag reduction bylaw, as follows, or take any other action thereon.

PURPOSE AND INTENT: The production and use of disposable plastic checkout bags have significant impacts on the environment, including, but not limited to: contributing to the potential death of marine animals through ingestion and entanglement; contributing to pollution of the land environment; creating a burden to solid waste collection and recycling facilities; clogging storm drainage systems; and requiring the use of millions of barrels of crude oil nationally for their manufacture. The purpose of this bylaw is to eliminate the usage of disposable plastic checkout bags by all retail and grocery stores in the Town of Danvers, effective June 1, 2019.

DEFINITIONS

Checkout bag: A carryout bag provided at the check stand, cash register, point of sale, or other point of departure for transporting food or merchandise from the Establishment.

Checkout bags shall not include:

1. Bags whether plastic or not in which loose produce or products are placed by the consumer to deliver such items to the point of sale or check out area of the retail establishment.
2. Laundry or dry cleaner bags
3. Bags used to contain phone books, magazines or newspapers
4. Bags used to contain or wrap frozen goods, meats or fish, whether prepackaged or not, to prevent leakage or contain moisture

Disposable plastic checkout bag: Any checkout bag made of plastic that does not meet the definition of "Reusable checkout bag," typically with plastic handles, and intended for transport of purchased products.

Recyclable paper checkout bag: Paper bags with or without handles that (1) are one-hundred percent (100%) recyclable, (2) contain a minimum of forty percent (40%) postconsumer recycled paper content.

Reusable checkout bag: Sewn bags with stitched handles that (1) are specifically designed and manufactured for multiple reuse, (2) can comfortably carry 25 pounds over a distance of 300 feet, (3) can hold a minimum of 15 liters or quarts, (4) can be readily washed or disinfected by hand or machine, and (5) is made of thick cloth, fabric or other durable materials.

Grocery Store: A retail establishment where more than fifty percent (50%) of the gross floor area is devoted to the sale of food products for home preparation and consumption, which typically also offer home care and personal care products.

Retail Store: An establishment that offers the sale and display of merchandise within a building. Any retail establishment or non-profit that provides goods – including food and/or beverages – and/or services directly to consumers, with or without charge; sporadic, temporary, part- or full-time; commercial, religious, educational, foundation-related, or governmental; whether on private, public, religious, or school property. “Retail establishment” shall mean any business facility that sells goods directly to consumers including, but not limited to, grocery stores, pharmacies, liquor stores, “mini marts”, restaurants or retail stores and vendors selling clothing.

USE REGULATIONS

Disposable plastic checkout bags shall not be distributed, used, or sold for checkout or other purposes at any retail or grocery store within the Town of Danvers.

Nothing in this section should be read to preclude any establishment from utilizing recyclable paper bags at checkout or making reusable checkout bags available for sale to customers.

Customers are encouraged to bring their own reusable shopping bags to stores. Retail or grocery stores are strongly encouraged to make reusable checkout bags available for sale to customers at a reasonable price.

ENFORCEMENT PROCESS

Enforcement of this bylaw shall be the responsibility of the Board of Health/Town Manager or his/her designee. The Board of Health/Town Manager shall determine the inspection process to be followed, incorporating the process into other town duties as appropriate. Any retail or grocery store distributing plastic grocery bags in violation of this bylaw shall be subject to penalty as follows:

First offense	Warning
Second offense	\$50 penalty
Third & each subsequent offense	\$100 penalty

No more than one penalty shall be imposed upon a retail establishment within a seven-day calendar period.

Alleged violations shall be subject to non-criminal disposition process, pursuant to MGL c.40, §.21d.

The Board of Health/Town Manager may promulgate additional guidelines and regulations consistent with the foregoing for the effective enforcement of this bylaw.

Explanation: In early 2018, a group of concerned Danvers' residents approached the Board of Selectmen to express their concern about the use of plastic grocery bags in Danvers. The Board of Selectmen offered their support and requested that staff work with this group to help develop an Article to be included on the Warrant for the 2018 Annual Town Meeting. Additional information presented by the Committee is included on **pages 32 and 33**.

Article 17: Rail Trail Expansion Planning. To see what sum the Town will vote to appropriate for the preparation of a preliminary design plan for a 3-mile, non-motorized, shared use trail to MassDOT standards, which will extend from the existing Rail Trail at Hobart Street to the Middleton town line, or take any other action thereon.

As part of the Rail Trail Advisory Committee's (RTAC) 2020 strategic plan, a 3.0-mile westward expansion of the rail trail from Hobart Street to the Middleton town line within an existing Town owned Right of Way (ROW) has been recommended. The westerly trail will provide non-motorized connectivity for users to access open space parcels, retail shops, schools, and medical facilities. Benefits of extending the trail west will also include safety and accessibility improvements along Maple Street (MA Route 62), and MA Interstate Routes 95 and Route 1. The Town of Middleton is planning their own rail trail that would eventually connect with this proposed stretch, thus connecting downtown Danvers to Middleton, as well as Peabody, Wenham, and Topsfield.

RTAC oversaw the successful completion of the existing 4.3 mile, north-south rail trail over the course of a decade and at no cost to the Town of Danvers. That trail is now one of the highest rated recreation assets in Town, and in recent years the Town has partnered with RTAC on several tax-supported repair/improvement projects.

The westward expansion poses several engineering challenges that the previous trail did not, so this appropriation will fund an initial engineering and design concept that will include: boundary surveying, wetland surveying, and flagging, drainage and grading analysis, the American with Disability Act (ADA) compliance, and preliminary plan permitting. This design concept will aid in the future development of the trail as well as accompany grant applications for supplemental funding, such as the MassTrails program administered by DCR. We recommend that the Town appropriate **\$150,000** from **Free Cash** for this purpose. **See map and project overview on pages 34 and 35.**

Article 18: Contamination Removal at Brown Pond (Purchase & Ash Streets). To see what sum the Town will vote to appropriate for the continuation of the arsenic removal program at Brown Pond (Purchase & Ash Streets) and to determine whether said appropriation should be raised by taxation, or take any other action thereon.

In June 2014, the Town received a "Notice of Responsibility" for arsenic contamination at Brown Pond located at the corner of Purchase and Ash. This parcel of land was gifted to the Town in 1986, as it was no longer needed by developers of the River Run Condominium complex.

During the background testing to determine the contaminant levels in conjunction with the Superfund cleanup site of the former Creese & Cooke properties on Clinton Avenue and Water Street, EPA found excessive amounts of arsenic contamination in the soil and water samples at Brown Pond. The samples were taken in 2011 and 2012 by EPA, who subsequently notified the Massachusetts Department of Environmental Protection (DEP) of its finding that resulted in the Town receiving the Notice of Responsibility. Within the Notice of Responsibility, DEP ordered the Town to conduct a Phase I initial site investigation, which was completed and submitted to DEP in June 2015. The Phase I Report did a search of the potential source of the contamination and conducted water and soil sampling on the site.

Upon review and acceptance from DEP of the Phase I Report filed in July 2016, the Town initiated a Phase II sampling/investigation program to expand the sampling program to the properties directly abutting the Brown Pond site to the abutting private properties. Sampling was also performed on one site on Ash Street, and the Town continues to investigate, and plans to conduct further sampling beyond the direct abutters, to determine the full extent of the contamination, based on sampling results received this past December.

While the Town continues to investigate the extent of the contamination, DEP and the EPA have provided \$2.2 million combined Federal and State aid, to provide clean-up and removal of all contaminants without causing harm to residential property owners. The Town voted to appropriate \$100,000 at the May 2017 Annual Town Meeting (fiscal year 2018) for the continuing efforts to determine the extent and limits of clean-up required. To complete the next series of soil and groundwater sampling, and process and file the required reporting documents, additional funding will be required during fiscal year 2019 to ensure the extent of the contamination has been identified and removed to DEP standards. We recommend that the Town vote to appropriate a sum of **\$50,000 (Free Cash)** to continue this work.

Article 19: Maintenance Dredging. To see what sum the Town will vote to appropriate toward the cost of future maintenance dredging, including engineering and permitting, for Danvers Harbor, or take any other action thereon.

The waterfront is a valuable economic and recreational resource for the Town of Danvers. Therefore, it is incumbent upon the Town to provide safe, navigable waters by dredging every 15-20

years. Our last dredging project was completed in 2008 at a cost of \$2,134,681; it is important to prepare for the next dredging project, estimated to occur on or around 2027. Because of the need to expand the former scope of the dredging project from two to all four rivers, the cost is projected to at least double. By way of an annual appropriation, the Town will have the resources to begin to perform the needed permitting, design and engineering that will be required to apply for state grant funding. Both the River Committee and Recreation Division recommend that funding for future dredging projects be supported with a **\$20,000 (Free Cash)** appropriation.

Article 20: Swan Pond Reservoir Pump Station Rehabilitation. To see what sum the Town will vote to appropriate for the capital maintenance and extraordinary repairs to the Town's water supply and distribution system for the rehabilitation of water supply facilities and to determine whether said appropriation should be made through Water Receipts, Water Retained Earnings, or take any other action thereon.

Swan Pond is one of the Town's three drinking water pumping stations. Water is pumped from Swan Pond into Middleton Pond and then treated at the Vernon C. Russell Water Treatment Plant. The pumping station and intake piping is in poor condition and needs rehabilitation. A preliminary design review of the facility was conducted during fiscal year 2018, and a plan for this rehabilitation was developed. The estimated cost for the design and construction is **\$410,000**. We recommend that this amount be raised through **Water Retained Earnings**.

Article 21: Middleton Pond Reservoir – Dam Safety Inspections. To see what sum the Town will vote to appropriate to conduct dam safety and compliance inspections for the two dams at Middleton Pond Reservoir and to determine whether the funds shall be appropriated through Water Receipts, Water Retained Earnings, or take any other action thereon.

Of the five dams owned and operated by the Town, three are related to our water supply reservoirs and the remaining two dams, Mill Pond Dam (Sylvan Street) and Meadow Dam (Hobart Street) control water levels in the Meadow.

Over the years, the Commonwealth of Massachusetts has promulgated new Dam Safety Regulations and created the Office of Dam Safety. Within the Regulations, each dam must be inspected on a periodic basis, based on its hazard category determined by the Office of Dam safety. In fiscal year 2019, two dams are scheduled to be inspected, and it is recommended that **\$20,000** be appropriated for inspection at Middleton Pond Reservoir. This appropriation may be raised from **Water Retained Earnings**.

Article 22: Water Main Replacement Program. To see what sum the Town will appropriate for the capital maintenance and extraordinary repairs to the Town's Water Distribution System for the replacement of water mains and to determine whether said appropriation shall be made through Water Receipts, Water Retained Earnings, borrowing or otherwise, or take any other action thereon.

In October 2013, the Town received an update to the Capital Improvement Plan for the water distribution system, including water main replacements, inspection of the Town's water booster stations and raw water pumping stations. The report made several recommendations for water main replacement, based on breakage, fire flows, and pipe age. In anticipation of the development of a new, long-term capital plan, several large projects have been delayed until the report and funding schedules are developed. For fiscal year 2019, it is recommended that the Town begin the replacement of the Massachusetts Avenue Water Main (\$600,000) and for the additional funding required to install the Green Street Booster Station connecting main (\$300,000). We recommend that the Town appropriate **\$900,000** from **Water Retained Earnings**.

Article 23: Wastewater Collection Maintenance Flushing & Cleaning Sewer Lines & CCTV Inspections. To see what sum the Town will vote to appropriate for the continuation of the Sewer Maintenance Program to maintain the Town's Wastewater Collection System and to determine whether this appropriation shall be raised through sewer receipts or otherwise, or take any other action thereon.

At the May 2017 Annual Town Meeting, funds were appropriated for the purpose of continuing the systematic flushing, cleaning and CCTV inspection of the Town's wastewater collection system. The latest project was recently bid and work will be underway in the next 4 to 6 weeks. Since the Town bids the work during the "off season," the companies that specialize in this type of work are providing the Town with very aggressive bid pricing, which will allow the Town to flush, clean and CCTV inspect the remaining sewer system north and west of Route 1.

For fiscal year 2019, we propose to flush and CCTV Inspect sewers in the eastern section of Town, last inspected more than 10 years ago. It is proposed to continue the systematic flushing, cleaning and CCTV inspection of the remaining 150,000 feet of collection system sewers. The estimated cost for this project is **\$200,000**, and funds may be appropriated through **Sewer Receipts**. **See map on page 36.**

Article 24: Wastewater Facilities Improvements. To see what sum the Town will appropriate for the replacement/relocation of the Endicott Street Wastewater Ejector Station and to determine whether said appropriation shall be made through Sewer Receipts, Sewer Retained Earnings, borrowing or otherwise; or take any other action thereon.

As part of the recommendations in the 2012 Wastewater Facilities Plan, the existing Endicott Street Ejector Station, located along the sideline in front of 180-182 Endicott Street is scheduled to be re-

placed. The existing station was installed in 1990 directly underneath the 115KV New England Power Transmission Lines.

The current location of the station, partially under the roadway surface in Endicott and the entrance hatchway located at the curb line, is subject to rain and snow infiltration and; until recently, subject to damage by truck traffic entering the commercial site. It is not a good location for the replacement of the ejector station at the current location. In addition, the proximity of the overhead transmission wires prevents the use of a crane to remove and install a new station at this site.

Engineering has investigated several options to replace the station involving placing the station on private property near its current location but none have been found feasible. However, Engineering has researched the status of Chalet Court and found that MassDOT laid out Chalet Court as a public way on behalf of the Town of Danvers and therefore provides a location for the pump station. The new location calls for a new pumping station, extend the gravity sewer to the new location and extend the discharge force main connecting it to the existing force main in Endicott Street. The existing station would be abandoned in place. A GIS Plan showing the proposed project and detailed cost estimate are provided with this request.

We recommend that **\$1,640,000** be appropriated through **Sewer Retained Earnings** for the design, permitting, bidding, construction and services during construction to Replace the Endicott Street Wastewater Ejector Station.

Article 25: Highland School Roof Replacement. To see what sum the Town will vote to appropriate for replacement of the roof at the Highlands School and to see whether said appropriation should be raised by borrowing, or take any other action thereon.

This 70-year old building was last renovated in 1996. The 22-year old roof's seams have leaks which have caused damage to the building's interior. The Town has submitted a Statement of Interest (SOI) to the MSBA's Accelerated Repair Program with the hope to defray roughly \$800,000 of the projected \$1.6 million to replace the aging roof. Based on the Town's roof replacement schedule and current conditions, it is anticipated that the Riverside School roof may need to be replaced next year. We recommend **\$1.6 million (borrowing)** be authorized, recognizing that only roughly half of that amount would be required if the Town's MSBA application is approved.

Article 26: Building Improvements. To see what sum the Town will vote to appropriate for repairs, maintenance, and improvements to Town buildings, including equipment, and to determine whether this appropriation should be raised by borrowing or otherwise, or take any other action thereon.

We are recommending that **\$366,500** be appropriated in **FY 2019** for the repair and maintenance of Town buildings, to be supported by **\$309,000** from **Free Cash**; **\$22,500** from **Electric**; **\$15,000** from **Water Retained Earnings**; **\$15,000** from **Sewer Receipts**; and **\$5,000** from **WUMP Revolving**. A description of the proposed scope of work is presented below:

Town Buildings - TOTAL: \$80,000

Office Modifications: As positions are added and roles changed, the need exists to modify work spaces and offices. There are also unplanned repairs that occur throughout the year. The estimated cost for these repairs and/or modifications is **\$25,000**.

Intrusion Alarm Panel Upgrades: There are multiple alarm panels throughout Town that need to be replaced or upgraded. We are requesting to replace alarm panels at Town Hall, Holten Richmond, Highlands and Thorpe Schools, the Senior Center and Library. The cost of the intrusion alarm panel upgrades is **\$25,000**.

Furnace and Building Upgrades at 12 Sylvan Street: Repairs needed at this facility include a new furnace, plumbing repairs/upgrades, multiple ceiling and floor repairs/upgrades, as well as emergency exit lighting upgrades and a new rear door frame. The cost of these projects is estimated to be **\$30,000**.

Elementary/Middle/High Schools - TOTAL: \$201,000

Elementary School Water Bottle Fillers: As the Town increases its recycling programs, it is an opportune time to introduce water bottle fillers in each of our elementary schools. This would promote the Town's water system, recycling, and minimize the purchase of bottled water. The estimated to provide these fillers is **\$5,000**.

School Buildings Entry/Walk-off Mats: As activities and student enrollments increase, the walk-off mats wear much more quickly. In addition, multiple entry/exit ways increase the number of mats required. The cost of the entry/walk-off mats are **\$5,000**.

Thorpe School Cafeteria Floor Abatement & Replacement: The cafeteria's tile floor is 50+ years old and needs to be replaced. Asbestos abatement (\$50,000) is the first step in the approximately 6,200 square foot area. Vinyl replacement tile (\$30,000) would bring the total cost of this project to **\$80,000**.

Thorpe School Bathroom Partition Replacement: The partitions, over 50 years old, need to be replaced in four areas (two boys and two girls) and the estimated cost for the replacement project would be **\$45,000**.

Holten-Richmond Lab Gas Sensors, Recalibrate/Replace: These sensors protect the lab environment by shutting down the gas system if a leak is suspected. The cost to replace the gas sensors is **\$4,000**.

Holten-Richmond Multi-Purpose Room Stage Repairs: Roof issues, now remedied, had caused damage to the stage in the Multi-purpose Room, and significant repairs are required at an estimated cost of **\$12,000**.

Highlands School Refinish Gymnasium Floors: This area, heavily used during school hours and on weekends by the Recreation Department, needs sanding and refinishing, at a cost of **\$5,500**.

Classroom Modifications: Minor renovations, including but not limited to electrical upgrades, storage improvements, and wall partitions, are needed in several schools. These renovations are needed due to enrollment and program changes, and the additional use of the school buildings during the year. The total cost of this project is **\$25,000**.

High School Contamination Tank Repair/Upgrades: The contaminant tank collects water from science lab sinks and other water sources. The tank contains diodes, sensors, and limestone which monitor and neutralize whatever enters and is on its fifth year of use, no longer draining as it should. As the science program continues to increase so too does the need to maintain safety/environmental systems. The cost to repair/upgrade the tank is **\$7,500**.

Bleacher Air Sled Replacement: This apparatus used to move bleachers in the Field House is not the proper piece of equipment but it has been used over the past five years with no major accidents when dismantling the three-piece (150 lbs. each) structure. The estimated cost is **\$12,000**.

Natural Resources (Waterfront & Endicott Park) – TOTAL \$17,500

Popes Landing Furnace Replacement: Repairs and parts for this 1986 furnace are not readily available. The estimated cost to replace the furnace is **\$10,000**.

Lighting Upgrade at Carriage House: The lighting in the Carriage House is old and impossible to find replacement globes. Due to this reason, there are no globes on any of the bathroom fixtures as they were taken to replace broken globes in other high-profile areas. We can replace many of the fixtures with similar LED fixtures that will fit with the décor of the facility. These new fixtures will provide better light as well as save electricity. The estimated cost to replace 12 lighting fixtures and 6 lighted exit signs is **\$7,500**.

DPW Shop (Hobart Street) – TOTAL \$68,000

Fuel Management System Upgrade: The GasBoy fuel management system was installed in 1999, and parts are difficult to find and repairs costly, due to the age of the system. The cost to update the GasBoy fuel management system to a current control system and replace existing pumps is estimated to cost **\$60,000** and be split evenly between Tax, Water, Sewer, and Electric.

Mechanics Bay Wall Completion: This project would complete the wall previously built in the mechanic's section of 95 Hobart Street. The completion of this wall completes the mechanic area for larger vehicles. It will include power, air lines and additional lighting. The goal is also to install a man door for easy entry/exit of area. The cost for the wall completion is **\$8,000**.

Article 27: Grounds Improvements. To see what sum the Town will vote to appropriate for improvements to and maintenance of Town properties, athletic facilities, playgrounds and equipment, and related costs, including construction, reconstruction, replacement, or purchase of equipment or supplies, and to determine whether this appropriation should be raised by borrowing or otherwise, or take any other action thereon.

We are recommending that **\$217,500** be appropriated in **FY 2019**, as follows: **\$213,500** from **Free Cash** and **\$4,000** from **WUMP Revolving** for improvements to Town parks and properties, as follows:

High School Athletic Field Fencing: The replacement of the property perimeter fence at the High School was discussed during the Athletic Facilities project. The second phase of the project is to install fencing at the entrance by the ticket booth down the access road to the second ticket booth. The estimated cost to replace 930 linear feet of 4-foot tall chain link fence is **\$25,000**.

High School Basketball Courts Feasibility Study: Danvers currently has one, full-sized, lighted, outdoor basketball court, which is located at Plains Park. Most nights throughout the spring, summer, and fall, the Plains basketball court is occupied by park users and summer basketball leagues. A lighted, outdoor basketball court was part of the original plans to renovate the High School Athletic facilities, but had to be cut due to funding. The Recreation Committee fully supports this request to conduct a feasibility study at this location. The estimated cost of the study is **\$15,000**.

Engineered Wood Chips: Each year, there is a need to resurface playground fall zones at most of the 19 locations in town, due to compaction and the decomposition of the natural wood chip fiber. Funding this need in a Warrant Article offers Recreation the flexibility to address surfacing needs on an annual basis without spiking the operating budget. This appropriation would pay for up to 900 yards of wood chips for various playgrounds. Eighty-three percent of all playground injuries occur due to inadequate playground surfacing. Engineered Wood Chip Fiber is ADA-compliant and meets and exceeds IPEMA and ASTM International safety standards. The cost of this project is **\$27,000**.

Rail Trail Maintenance/Surfacing: This funding will cover the cost of ongoing, larger maintenance and surface repair needs for the rail trail. The rail trail is currently maintained through volunteer efforts by Rail Trail Advisory Committee (RTAC) members, community organizations, and DPW. To further supplement these efforts, funding will be used to repair surfacing, wash-out areas, erosion issues, and drainage concerns. The cost of this project is **\$8,000**.

Tapley / Highlands Basketball Court Resurfacing: These courts were installed more than 30 years ago and have not had any repairs since installation. The resurfacing project will include washing, multi-step crack repair, patching, and four coats of acrylic-based court paint and lines. The cost of the court resurfacing is **\$16,500**.

Tapley Park Playground: The existing playground structures at Tapley Park are 19 years old, in need of replacement, and can accommodate only 8 to 10 children at a time. The proposed structures would accommodate 60 to 75 children at a time within the existing footprint of the play area. The cost of the playground is **\$70,000**.

Water Bubblers: This request is part of multi-year replacement program. In fiscal year 2019, the water bubbler at Tapley Park is scheduled for replacement at an estimated cost of **\$4,000**.

Endicott Park - TOTAL: \$62,000

Fence Repairs/Replacement: The fencing around the animal barn that contains farm animals is in disrepair and needs to be replaced. Aside from being unsightly, the fencing no longer keeps in the animals, creating a safety issue for visitors and animals alike. This year's request is for 310' of reinforced, powder-coated weld wired mesh fencing in the smaller animal area, with an estimated cost of **\$40,000**. Within the next year or so, a second request to fund replacement of 328' of reinforced pressure treated rail fencing in the larger animal paddock is anticipated.

Glass Fiber Reinforced Concrete (GFRC) Play Equipment: Over the past several years, park staff has been able to establish a small, undefined, natural play area with old tree trunks and logs near the Carriage House. The area has become very popular to children visiting the park. Due to rotting, the wood structure has created safety concerns, and staff recommends establishing that area with more permanent and safe play features that are compliant with playground safety standards. These structures will blend in with the natural setting of the park. The proposed Glass Fiber Reinforced Concrete Play Equipment will meet that need and is estimated to cost **\$12,000**.

Article 28: Drainage Maintenance. To see what sum the Town will vote to appropriate for the continuation of the drainage maintenance program including engineering, specifications and bidding documents, materials, equipment and construction associated with the costs of upgrading and improving the existing drainage throughout the Town, and to determine whether this appropriation should be raised by borrowing or otherwise, or take any other action thereon.

To assure the proper operation of the Town's drainage system, annual maintenance work must be performed. This includes routine work such as brush clearing along the stream embankments, removal of debris, rip rap, pipe repairs and other related work. In fiscal year 2019, similar maintenance, clearing, and installations are planned on North Street and Tibbetts Avenue; miscellaneous drain pipe replacement; miscellaneous drain manhole and catch basin repairs. An appropriation of **\$20,000** from **Sewer Receipts** is recommended for routine drainage maintenance and repairs that are needed throughout the year.

Article 29: Drainage Liability. To see if the Town will vote to assume liability in the manner provided by M.G.L. Chapter 91, §29, for damages that may be incurred by work to be performed by the Massachusetts Department of Transportation, for the improvement, development, maintenance, and protection of tidal and non-tidal rivers and streams, harbors, tidewaters, foreshores, and shores along the public beach, in accordance with M.G.L. Chapter 91, §11, and authorize the Board of Selectmen to execute and deliver a bond of indemnity therefore to the Commonwealth of Massachusetts, or take any other action thereon.

A favorable vote on this Article means that the Town will assume liability for potential damages resulting from drainage improvements in Danvers performed by the Massachusetts Department of Transportation. This annual request is required before any such work can be undertaken.

Article 30: Amendment of Preservation Revolving Fund Account. To see if the Town will vote to amend Article 29 of the May 16, 2011 Annual Town Meeting by inserting the words “, matching grants of up to 50% of project cost,” to the list of allowable uses of funds in the Preservation Revolving Account, or take any other action thereon.

At the 2011 Annual Town Meeting, the Town voted to establish a Preservation Revolving Account in the amount of \$100,000, to be used as a loan program to be administered by the Preservation Commission. This program was meant to enable owners, and others, to preserve, rehabilitate, or restore such significant buildings and structures. Funding in this account came from the remaining Avalon funds that were reserved for historic preservation. Despite extensive outreach by the Preservation Commission, only one application for funding has been received to date. Feedback indicates that a grant program would be more popular.

The Preservation Commission is now proposing to add grant making as an allowable use of the Revolving Account funds. Grant recipients would be required to fund no less than 50% of the project cost and would need to demonstrate an ability to maintain the property after the project is completed. Any building receiving this funding must be deemed historically significant and worthy of preservation by the Preservation Commission, and appear on the “Street List of Properties Subject to the Demolition Delay By-Law.” The written opinion of the Town Archivist will be considered as part of this process.

Article 31: Rescind Votes of 2015 and 2016 Annual Town Meeting Warrant Articles. To see if the Town will vote to rescind Article 8 of the May 18, 2015 Annual Town Meeting and Article 34 of the May 16, 2016 Annual Town Meeting, thereby eliminating authorization to spend certain sums to acquire a preservation restriction for the Porter Bradstreet house and barn located at 487 Locust Street [Map 21, Lot 6), or take any other action thereon.

The Preservation Commission recommended, and Town Meeting voted in support of, articles at the at the May 18, 2015 and May 16, 2016 Annual Town Meetings that authorized the purchase of a preservation restriction for the Porter Bradstreet house and barn. Since that time, the Preservation Commission and staff have met with the owners of the property, and currently they are not interested in having a preservation restriction on their property. Therefore, we recommend that the Town vote to rescind both authorizations under Article 8 of the May 18, 2015 Annual Town Meeting and Article 34 of the May 16, 2016 Annual Town Meeting.

Article 32: Re-establishment of Revolving Fund Accounts. To see if the Town will vote to re-establish departmental revolving fund accounts pursuant to M.G.L. Chapter 44, § 53E½ under the custody of the Town Treasurer, or take any other action thereon.

This Article authorizes Town Meeting to reestablish the following revolving funds of the Town:

1. **Fire Trailer Revolving Fund Account** – Under the control of the Fire Department, this account receives and disburses funds to maintain and operate a Fire Safety Trailer to promote fire safety education; the receipts for such account to be received from public donations or contributions from other participating communities. The department is authorized to expend a sum not to exceed **\$5,000** from the account for said purposes [FY 2018: \$5,000].
2. **Danvers Council on Aging [DCOA] Programming Revolving Fund Account** – Under the control of the Department of Land Use & Community Services (Senior & Social Services Division), this account will receive and disburse funds for all expenses associated with the provision of programming services administered through the Danvers Council on Aging, including but not limited to part-time salaries, honorarium for faculty and/or program expenses. The receipts for such account consist of donations and fees from the provision of such services. The department is authorized to expend a sum not to exceed **\$215,000** from the account for said purposes [FY 2018: \$160,000].
3. **Transportation Revolving Fund Account** - Under the control of the Department of Land Use & Community Services (Senior & Social Services Division), this account will receive and disburse funds to provide passenger services to senior citizens, the receipts for such account to be derived from donations and fees from the provision of such services. The department is authorized to expend a sum not to exceed **\$150,000** from the account for all expenses associated with the delivery of transportation services by the division, including but not limited to part-time drivers' salaries, rental, repair, fuel costs, operation, and maintenance of the vans and equipment used in conjunction with the delivery of the services [FY 2018: \$150,000].
4. **Waterways Dredging Improvement Revolving Fund Account** - Under the control of the Department of Land Use & Community Services (Recreation Division), this account will receive and disburse funds for all expenses associated with dredging Danvers' waterways, included but not limited to, engineering, research, design, permitting, and construction. Income will consist of revenues derived from slip fees and the department is authorized to expend a sum not to exceed **\$65,000** [FY 2018: \$65,000].
5. **Child Care Program Revolving Fund Account** – Under control of the Department of Land Use & Community Services (Recreation Division), this account will receive and disburse funds for all expenses related to child care programs and activities, including but not limited to salaries & benefits, materials & supplies, equipment, and insurance & transportation. Income will consist of revenues derived from program fees, and the department is authorized to expend a sum not to exceed **\$620,000** for said purposes [FY 2018: \$600,000].

6. **Local Emergency Management Revolving Fund Account** - Under control of the Fire Department (LEPC Chairman), this account will receive and disburse funds for all expenses related to regional local emergency planning activities, including, but not limited to: salaries and benefits, materials and supplies, equipment, and transportation. Income will consist of grant revenues and membership fees assessed by the Regional LEPC. Examples of the type of activities that will be financed through this account are as follows: (a) planning, conducting, and reviewing required annual exercise/drill involving a Hazardous Materials incident; (b) review and record storage of annual Tier II chemicals reports for Danvers' facilities, as well as the region; (c) emergency management operations and planning. The department is authorized to expend a sum not to exceed **\$10,000** for said purposes [FY 2018: **\$10,000**].

7. **Water Use Mitigation Revolving Fund Account** - Under control of the Department of Public Works (Water Division), this account will receive and disburse funds for all expenses related to conserving water resources, reducing demand upon the public water supply, and/or water use mitigation. Income will consist of revenues derived from Water Mitigation Impact fees and the department is authorized to expend a sum not to exceed **\$450,000** for said purposes [FY 2018: **\$450,000**].

8. **Preservation Revolving Fund Account** - Under control of the Land Use & Community Services Department (Planning Division), this account will receive and disburse funds for loans, *matching grants of up to 50% of project cost*, and for the acquisition of preservation restrictions for protecting and preserving significant buildings and structures which constitute or reflect distinctive features of the history, architecture, and/or character of the Town of Danvers. Through this program, the Preservation Commission wishes to enable owners and others to preserve, rehabilitate, or restore such significant buildings and structures. Funding for this account will be from the remaining Avalon funds that are reserved for historic preservation. The Planning Department is authorized to expend a sum not to exceed **\$100,000** from the account for said purposes [FY 2018: **\$100,000**].

9. **Police K9 Program Revolving Fund Account** - Under control of the Police Department, this account will receive and disburse funds for continuing and maintaining the K9 program. Through this account, the Police Department will be able to cover expenses related to animal care, kenneling, car repairs, training, equipment, supplies, mailings, food, litter/bedding, medical needs and K9 replacement. Funding for this account will be raised by donations, gifts and fund-raising efforts. The Police Department is authorized to expend a sum not to exceed **\$20,000** from the account for said purposes [FY 2018: **\$15,000**].

Article 33: Grant of Easement to Middleton Electric Light Department (MELD). To see if the Town will vote to grant to MELD a non-exclusive easement to install, operate, maintain, repair, replace electric utility poles, wires and appurtenances within the Town of Danvers Right of Way (ROW) between the Middleton/Danvers town line and in certain streets and ways in the Town of Danvers and to authorize the Town Manager to grant said easement in a manner by and in accordance with applicable law on such terms and conditions as the Board of Selectmen or Town Manager may deem appropriate and for the Board of Selectmen and Town Manager to take such actions in furtherance of this vote or take any other action thereon.

The May 2013 Annual Town Meeting authorized the Town Manager to sell certain Town owned parcels of land and easements located in Middleton, North Reading, and Lynnfield, which had been purchased in the late 1970s for anticipated future power transmission. In June 2017, the Town Manager negotiated the sale of the Middleton portion of said land and easements to Middleton Electric (MELD) for \$1.84 million, based on the Town's appraisal. One condition of the sale was that an easement be granted by the Town of Danvers to MELD to maintain its pole plant within the portion of the ROW retained by the Town of Danvers: specifically, within Hazen Avenue, Preston Street, Route 1 (State Highway), and Ferncroft Road.

Counsel for both Danvers and Middleton agree that a formal easement agreement would best serve both parties, as no formal agreement for the pole plant existed when the entire corridor was owned by the Town of Danvers. We recommend that this Article be approved, authorizing the Town Manager to enter into an easement agreement. **See map on page 37.**

Article 34: Disbursement of Middleton Right of Way Funds. To see what sum the Town will vote to appropriate and transfer to the Electric Division, related to the June 2017 sale of Rights of Way located in the Town of Middleton, or take any other action thereon.

Pursuant to MGL c. 44, s. 53 & 63, proceeds from the sale of municipal real estate are deposited into the Town's treasury and may be used for future capital or debt related purposes, once the indebtedness incurred to acquire said property is resolved. With respect to the Middleton ROW, the land and easements were acquired in 1978 for \$167,049 (along with land and easements in North Reading and Lynnfield) as part of a larger debt issuance by the Electric Division that also included capital equipment.

Because the debt payments associated with the original land and easement purchase were fully retired in fiscal year 1998, the proceeds from the June 2017 sale were deposited into a Special Revenue Fund for future capital needs or debt service. However, the Town Manager has recommended that an amount equal to principal plus interest (\$269,960) be transferred to the Electric Division from Free Cash in recognition of the original funding source, so long as those funds are used consistent with the requirements in MGL c. 44, § 7, clause 3. We recommend that **\$269,960** be appropriated from **Free Cash** to the **Electric Division Depreciation Account**.

Article 35: School Construction Stabilization Fund. To see what sum the Town will vote to appropriate to add to the School Construction Stabilization Fund, pursuant to the provisions of M.G.L. Chapter 40, § 5B, or take any other action thereon.

This fund was established by vote of the Special Town Meeting in February 2000 to help finance the eventual cost of building improvements at the High School/Middle School facilities. With the Smith School project scheduled to commence in 2019, we recommend that **\$2.2 million** be appropriated into the Fund, with **\$1,839,850** from the **Middleton ROW Special Revenue Fund (SRF)** and **\$360,150** from **Free Cash**, so long as the SRF funds are used consistent with the requirements in MGL c. 44, s. 7, clause 3. After taking into consideration the use of stabilization account funding proposed under Articles in this Warrant, the 7/1/18 balance is projected to be approximately \$5.84 million. Expenditures out of this fund require Town Meeting authorization.

Article 36: Stabilization Fund. To see what sum the Town will vote to appropriate to add to the Stabilization Fund, pursuant to the provisions of M.G.L. Ch. 40, §5B, or take any other action thereon.

This fund was established by a vote of Town Meeting in 1982. The general Stabilization Fund is a key component of Town's unassigned fund balance (UFB), which is calculated each year by the Town's independent auditor. The fund serves to stabilize operations against turbulent fiscal, economic, or environmental impacts. It also provides a funding source for critical capital needs in a year when adequate Free Cash is not available. We recommend that **\$500,000** be transferred from **Free Cash** into the Stabilization Fund for fiscal year 2019. The 7/1/18 balance is projected to be approximately \$1.5 million. Expenditures from this account require authorization from Town Meeting.

Article 37: OPEB Trust Fund. To see what sum the Town will vote to appropriate to add to the post-employment health insurance stabilization fund, pursuant to M.G.L. Chapter 40, § 5B, or take any other action thereon.

This fund has been established to assist the Town in the financing of future health care costs for retired employees. A study has determined the dollar value of this unfunded liability to be more than \$100 million. At this point, these future obligations are sizable and a funding program, however modest, is recognized by the Town's rating agencies as prudent financial planning. This Article proposes the continued financing of a Trust for this purpose in the amount of **\$300,000** to be raised from **Free Cash**. The 7/1/18 balance is projected to be approximately \$4.28 million.

Article 38: Fiscal 2019 Budget Amendments. To see if the Town will vote to amend the action taken under Article 2 of the 2018 Annual Town Meeting by increasing certain appropriations, by adding certain appropriations, or by reducing certain appropriations, by transfer among accounts or from available funds, or take any other action thereon.

This Article is on the warrant to provide the Town Meeting with an opportunity to amend any budget item which may need to be revised due to actions taken under other Articles in the Warrant. No action is required at this time.

Board of Selectmen

/s/ David A. Mills

David A. Mills, Chairman

/s/ Diane M. Langlais

Diane M. Langlais

/s/ Daniel C. Bennett

Daniel C. Bennett

/s/ Gardner S. Trask III

Gardner S. Trask III

/s/ William H. Clark, Jr.

William H. Clark, Jr.

Appendices

Funding Sources for May 21, 2018 Annual Town Meeting Warrant Articles (Fiscal 2019)

#	Warrant Article	Total Appropriation	Tax Levy	Free Cash	Other Available	Borrowing	Water Enterprise Fund	Sewer Enterprise Fund
Art. 2	Operating Budget	112,607,541	95,849,451	998,025	1,693,478		8,165,729	5,900,858
Art. 4	Essex North Shore Regional	2,383,789	2,383,789					
Art. 10	Technology Plan	402,560		402,560				
Art. 11	Radio Infrastructure	470,870		470,870				
Art. 12	Fiber Optic Improvements (Phase 2)	240,000		215,000				25,000
Art. 13	School Transportation	85,000		85,000				
Art. 14	Pavement & Sidewalk Management	288,000		288,000				
Art. 17	Rail Trail Expansion Planning	150,000		150,000				
Art. 18	Contamination Brown Pond	50,000		50,000				
Art. 19	Maintenance Dredging	20,000		20,000				
Art. 20	Swan Pond Reservoir Pump Station	410,000					410,000	
Art. 21	Middleton Pond Reservoir Dam Safety	20,000					20,000	
Art. 22	Water Main Replacement	900,000					900,000	
Art. 23	Wastewater TV Inspections	200,000						200,000
Art. 24	Wastewater Facility Improvements	1,640,000						1,640,000
Art. 25	School Roof (Highlands)	1,600,000						
Art. 26	Buildings Improvements	366,500		309,000	27,500	1,600,000		
Art. 27	Grounds Improvements	217,500		213,500	4,000		15,000	15,000
Art. 28	Drainage Maintenance	20,000						
Art. 32	Revolving Funds	1,635,000						20,000
	1. Fire Trailer							
	2. DCOA Programming				5,000			
	3. Senior Transportation				215,000			
	4. Waterways Dredging				150,000			
	5. Child Care Program				65,000			
	6. Local Emergency Planning Committee				620,000			
	7. Water Use Mitigation Program				10,000			
	8. Preservation				450,000			
	9. Police K9				100,000			
					20,000			
Art. 34	Disbursement of Middleton ROW Proceeds	269,960		269,960				
Art. 35	School Const. Stabilization Contrib.	2,200,000		360,150	1,839,850			
Art. 36	General Stabilization	500,000		500,000				
Art. 37	OPEB Stabilization	300,000		300,000				
	SUBTOTAL ATM	126,976,720	98,233,240	4,632,065	5,199,828	1,600,000	9,510,729	7,800,858

FY 2019 Capital Improvements - Summary by Department

Department	Description	Cost	Funding Source	Art.#	
Information Tech.	Fiber Optics Improvements (Phase 2)	\$ 240,000	Separate Warrant Article	12	
	Radio Infrastructure (Public Safety & Public Works)	\$ 470,870	Separate Warrant Article	11	
	Backup/Replication Software	\$ 15,000	Technology Plan	10	
	Office 365 Licensing	\$ 40,000	Technology Plan	10	
	Network Switching Equipment	\$ 12,000	Technology Plan	10	
	Data Center Refresh (3 of 3)	\$ 85,000	Technology Plan	10	
	IT Subtotal	\$ 862,870			
Clerk's Office	Voting Machines (10)	\$ 55,000	Capital Outlay	Budget	
	Administrative Services Subtotal	\$ 55,000			
Schools	Transportation Vehicles	\$ 85,000	Separate Warrant Article	13	
	Highlands School Roof	\$ 1,600,000	Separate Warrant Article	25	
	School Technology Upgrades & Replacements	\$ 126,500	Technology Plan	10	
	School 911	\$ 40,250	Technology Plan	10	
	HRMS Science Labs	\$ 4,000	Building Improvements Article	26	
	High School Science Lab Tank	\$ 7,500	Building Improvements Article	26	
	High School Bleachers	\$ 12,000	Building Improvements Article	26	
	Classroom Modifications	\$ 25,000	Building Improvements Article	26	
	Highland School Refinish Gym Floor	\$ 5,500	Building Improvements Article	26	
	Holden Richmond MPR Stage	\$ 12,000	Building Improvements Article	26	
	Thorpe School Cafeteria Floor	\$ 80,000	Building Improvements Article	26	
	Thorpe School Bathroom Partitions	\$ 45,000	Building Improvements Article	26	
	Elementary Schools Entry Walk Off Mats	\$ 5,000	Building Improvements Article	26	
	Elementary Schools Water Bottle Fillers	\$ 5,000	Building Improvements Article	26	
	Repave Parking Lot Great Oak School	\$ 21,000	Pavement Management	14	
	Thorpe School Dropoff Crack Seal and Micro	\$ 9,000	Pavement Management	14	
	High School Athletic Field Fence	\$ 25,000	Grounds Improvements Article	27	
		Schools Subtotal	\$ 2,107,750		
	Police Department	Police Cruisers (4) & Misc.	\$ 195,479	Capital Outlay	Budget
Police Cruiser Laptops		\$ 28,645	Technology Plan	10	
Police Subtotal		\$ 224,124			
Fire Department	Fire PPE & Washer/Dryer	\$ 84,500	Capital Outlay	Budget	
	High Street Fire Station Apron	\$ 12,000	Pavement Management	14	
	Fire Department Printer	\$ 600	Technology Plan	10	
	Fire Prevention and Emergency Management Laptops	\$ 4,000	Technology Plan	10	
	Fire Subtotal	\$ 101,100			
Senior	Senior Transportation Van - Partial Grant Match	\$ 7,000	Capital Outlay	Budget	
	Senior & Social Services Subtotal	\$ 7,000			
Recreation	Dredging Maintenance	\$ 20,000	Separate Warrant Article	19	
	Rail Trail Expansion Planning	\$ 150,000	Separate Warrant Article	17	
	Endicott - 4x4 Dump Truck with Plow/Leaf Collector	\$ 55,000	Capital Outlay	Budget	
	Endicott - Hay Wagon Trailer	\$ 5,640	Capital Outlay	Budget	
	Harbor - "C" Dock	\$ 5,406	Capital Outlay	Budget	
	Lighting Upgrade at Endicott Park Carriage House	\$ 7,500	Building Improvements Article	26	
	Furnace Replacement at Popes Landing	\$ 10,000	Building Improvements Article	26	
	Engineered Wood Chips	\$ 27,000	Grounds Improvements	27	
	Rail Trail Maintenance / Surfacing	\$ 8,000	Grounds Improvements	27	
	Tapley Park Basketball Court Resurfacing	\$ 16,500	Grounds Improvements	27	
	Water Bubblers at Tapley Park	\$ 4,000	Grounds Improvements	27	
	Endicott Park GFRS Precast Play Structure	\$ 12,000	Grounds Improvements	27	
	Endicott Park Fence Replacement	\$ 40,000	Grounds Improvements	27	
	Outdoor Basketball Court Feasibility Study	\$ 15,000	Grounds Improvements	27	
	Tapley Park Playground Structure	\$ 70,000	Grounds Improvements	27	
	Granite Curbing at Endicott Park (part 2 of 2)	\$ 24,000	Pavement Management	14	
		Recreation Subtotal	\$ 470,046		
	Library	Library Improvements & Replacements	\$ 40,465	Technology Plan	10
		Library Subtotal	\$ 40,465		

FY 2019 Capital Improvements - Summary by Department

Department	Description	Cost	Funding Source	Art.#
DPW Tax Supported	Street - 37k GVW Dump Truck with Plow	\$ 160,000	Capital Outlay	Budget
	Street - Loader/Snowblower Combination (61%)	\$ 190,000	Capital Outlay	Budget
	Street - 4x4 Pick Up Truck - 1/2 Ton	\$ 40,000	Capital Outlay	Budget
	Buildings - 4x4 Pick Up Truck with Plow - 3/4 Ton	\$ 45,000	Capital Outlay	Budget
	Street - 4x4 Utility Truck with Plow - 3/4 Ton	\$ 55,000	Capital Outlay	Budget
	Grounds - Ride on Mower / Blower	\$ 15,000	Capital Outlay	Budget
	Grounds - Ride on Tractor / Mower	\$ 25,000	Capital Outlay	Budget
	Buildings - 2 Person Scissor Lift	\$ 35,000	Capital Outlay	Budget
	Ride on Tractor / Mower	\$ 25,000	Capital Outlay	Budget
	Engineering Laptops	\$ 10,100	Technology Plan	10
	Intrusion Alarm Panel Upgrades	\$ 25,000	Building Improvements Article	24
	Furnace Replacement/ Building Upgrades 12 Sylvan St	\$ 30,000	Building Improvements Article	24
	Town Building Modifications	\$ 25,000	Building Improvements Article	24
	DPW Fuel Mgmt. System (split water,sewer,tax, electric)	\$ 60,000	Building Improvements Article	24
	Complete Mechanic Bay Wall at 95 Hobart	\$ 8,000	Building Improvements Article	24
	Roadway Crack Sealing	\$ 45,000	Pavement Management	14
	Miscellaneous Paving Repairs	\$ 50,000	Pavement Management	14
	Miscellaneous Sidewalk Repairs	\$ 75,000	Pavement Management	14
	Bituminous Curbing Replacement	\$ 25,000	Pavement Management	14
	Atrium Municipal Lot (Mill and Overlay)	\$ 11,000	Pavement Management	14
	School Street Municipal Lot (Crack Seal and Overlay)	\$ 4,000	Pavement Management	14
	Massachusetts Ave Patching	\$ 12,000	Pavement Management	14
	Contamination at Brown Pond	\$ 50,000	Separate Warrant Article	18
	DPW Tax Subtotal	\$ 1,020,100		
DPW Rate Supported	Water Division - 4x4 Utility Truck with Plow - 3/4 Ton	\$ 55,000	Capital Outlay	Budget
	Water Division - Loader/Snowblower Combination (19%)	\$ 60,000	Capital Outlay	Budget
	Water Division - Survey Equipment	\$ 8,000	Capital Outlay	Budget
	Sewer Division - Loader/Snowblower	\$ 60,000	Capital Outlay	Budget
	Sewer Division - Sweeper Lease (2 of 3)	\$ 65,167	Capital Outlay	Budget
	Water - Swan Pond Reservoir Pump Station	\$ 410,000	Separate Warrant Article	20
	Water - Middleton Pond Reservoir Dam Safety	\$ 20,000	Separate Warrant Article	21
	Water - Water Main Replacement	\$ 900,000	Separate Warrant Article	22
	Sewer - Wastewater TV Inspections and Cleaning	\$ 200,000	Separate Warrant Article	23
	Sewer - Wastewater Facility Improvements	\$ 1,640,000	Separate Warrant Article	24
	Sewer - Drainage Maintenance	\$ 20,000	Separate Warrant Article	28
		DPW Rate Subtotal	\$ 3,438,167	
Total FY2019 Capital Improvements		\$ 8,326,622		

\$ 998,025	Capital Outlay (Tax Supported)	Budget
\$ 248,167	Capital Outlay (Rate Supported)	Budget
\$ 402,500	Technology Plan	10
\$ 288,000	Pavement Management	14
\$ 366,500	Building Improvements Article	26
\$ 217,500	Grounds Improvements	27
\$ 470,870	Separate Warrant Article	11
\$ 240,000	Separate Warrant Article	12
\$ 85,000	Separate Warrant Article	13
\$ 150,000	Separate Warrant Article	17
\$ 50,000	Separate Warrant Article	18
\$ 20,000	Separate Warrant Article	19
\$ 410,000	Separate Warrant Article	20
\$ 20,000	Separate Warrant Article	21
\$ 900,000	Separate Warrant Article	22
\$ 200,000	Separate Warrant Article	23
\$ 1,640,000	Separate Warrant Article	24
\$ 1,600,000	Separate Warrant Article	25
\$ 20,000	Separate Warrant Article	28
\$ 8,326,622		

Radio Infrastructure (Public Safety & Public Works)	\$ 470,870	Separate Warrant Article	11
Fiber Optics Improvements (Phase 2)	\$ 240,000	Separate Warrant Article	12
School Transportation Vehicles	\$ 85,000	Separate Warrant Article	13
Rail Trail Expansion Planning	\$ 150,000	Separate Warrant Article	17
Contamination at Brown Pond	\$ 50,000	Separate Warrant Article	18
Maintenance Dredging	\$ 20,000	Separate Warrant Article	19
Swan Pond Reservoir Pump Station	\$ 410,000	Separate Warrant Article	20
Middleton Pond Reservoir Dam Safety	\$ 20,000	Separate Warrant Article	21
Water Main Replacement	\$ 900,000	Separate Warrant Article	22
Wastewater TV Inspections and Cleaning	\$ 200,000	Separate Warrant Article	23
Wastewater Facility Improvements	\$ 1,640,000	Separate Warrant Article	24
Highlands School Roof	\$ 1,600,000	Separate Warrant Article	25
Drainage Maintenance	\$ 20,000	Separate Warrant Article	28
Total FY2019 Capital Improvements	\$ 8,326,622		

Town of Danvers
Warrant Article Balances
As of 3/31/2018

Article	Authorization	Balance as of		Encumbrances	Balance as of
		7/1/2017	3/31/2018		
Information Technology					
Technology Plan	multi-year	469,529	194,678	155,222	119,629
Fiber Optic Cabling	Art. 11 - May 2017	280,000	-	195,000	85,000
General Government					
Vocational School Assessment	Art. 4 - May 2017	2,166,133	2,070,985	-	95,148
Time & Attendance System	Art. 12 - May 2017	195,840	135,839	-	60,001
School Construction Stabilization	Art. 44 - May 2017	1,000,000	1,000,000	-	-
OPEB Trust Fund	Art. 41 - May 2017	300,000	300,000	-	-
Public Safety					
Dispatch Center*	Art. 19 - May 2014	2,069,003	1,960,017	101,338	7,648
Fire Aerial Platform Truck*	Art. 13 - May 2015	8,976	-	-	8,976
Fire Station Improvements*	Art. 34 - May 2017	275,000	-	-	275,000
Fire Pumper Truck	Art. 14 - May 2017	580,000	-	-	580,000
Land Use & Community Services					
Maintenance Dredging	multi-year	40,000	-	-	40,000
Dredging (Crane/Porter)*	Art. 43 - May 2007	19,634	-	-	19,634
Crane River Shoreline	Art. 23 - May 2017	65,300	-	-	65,300
Acquisition of Open Space*	Art. 12 - June 1986	4,589	-	-	4,589
Acquisition of Open Space*	Art. 38 - May 1999	55,593	-	-	55,593
Education					
Smith School Design*	Art. 16 - May 2016	900,000	227,018	290,854	382,128
HS Athletic Facility Improvement*	Art. 18 - May 2014	232,892	124,876	40,543	67,473
School Transportation Vehicles	Art. 13 - May 2017	70,000	-	-	70,000
Education Reserve Fund	Art. 37 - May 2014	77,412	-	-	77,412
DPW (Tax Supported)					
Szytko Bridge	Art. 29 - May 2016	195,336	-	9,336	186,000
Contamination of Brown Pond	Art. 38 - May 2017	100,000	43,481	54,938	1,581
Salt Shed Roof	Art. 23 - May 2014	5,336	-	-	5,336
Street Layout / Acceptance	multi-year	29,125	1,775	16,800	10,550
Elm Street Parking (MBTA)	Art. 18 - May 2017	50,000	-	-	50,000
Pavement & Sidewalk Management	multi-year	417,462	123,768	50,566	243,128
Grounds Improvements	multi-year	322,896	220,880	26,289	75,727
Building Improvements	multi-year	733,151	165,625	69,375	498,151

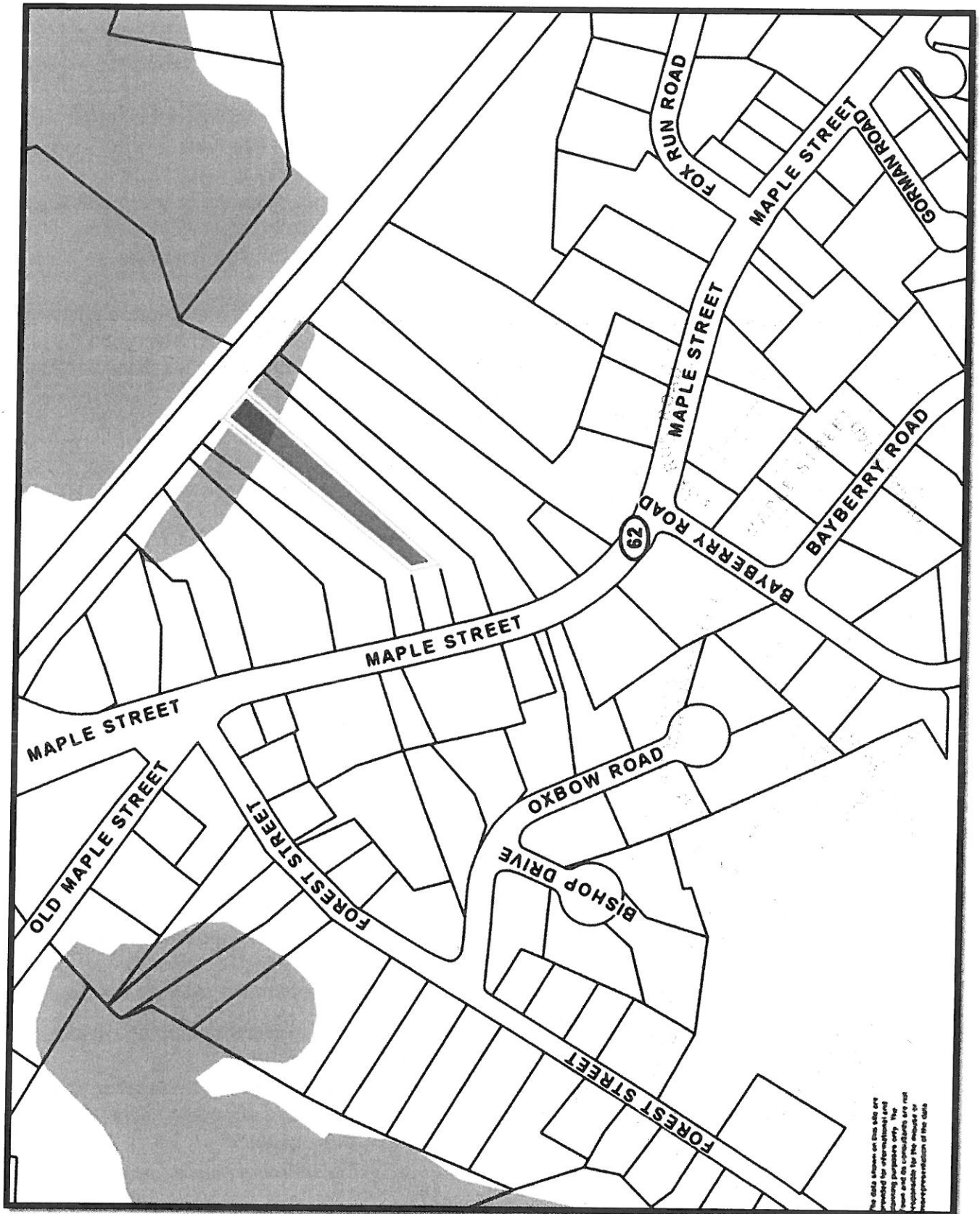
*Based on actual borrowing, not authorization

Town of Danvers
Warrant Article Balances
As of 3/31/2018

Article	Authorization	Balance as of		Encumbrances	Balance as of
		7/1/2017	3/31/2018		
Sewer Enterprise Fund					
Drainage Maintenance				20,585	36,942
Frost Fish Brook Drainage	Art. 15 - May 2011	99,400	41,873	-	33,206
Phase II Stormwater	multi-year	75,892	42,686	-	(3,583)
Wastewater Facilities Maintenance	Art. 29 - May 2015	14,517	16,350	1,750	9,591
Wastewater Maintenance Flushing	multi-year	110,814	56,936	44,287	200,000
Wastewater Flush & CCTV Inspections	multi-year	226,387	21,035	5,352	11,772
Wastewater Pumping Station Replacement	Art. 31 - May 2014	20,649	8,877	-	3,010
Sump Pump Redirection Program	Art. 23 - May 2001	3,010	-	-	95,000
Frost Fish Brook*	Art. 30 - May 2016	95,000	-	-	108,316
I/I Spot Repair Program	Art. 19 - May 2011	335,813	-	227,497	34,654
CIPP & Spot Repairs*	Art. 29 - May 2017	148,554	19,274	94,626	133,476
Sunset Ave Sewer Extension	Art. 22 - May 2015	838,121	365,116	339,529	4,575
Wastewater - Endicott Pumping Station	May 2016	9,575	-	5,000	13,770
Water Enterprise Fund					
GIS Improvements					
State Hospital Valve Replacement	Art. 18 - May 2013	26,405	6,962	19,443	-
Water Main Replacements	Art. 28 - May 2014	130,000	-	-	130,000
Emerson Brook & Meadow Dam	multi-year	166,503	61,031	8,417	97,055
Long-Range Capital Plan	Art. 25 - May 2017	40,000	3,750	3,750	32,500
Green Street Water Booster Station	Art. 27 - May 2017	150,000	-	-	150,000
Chlorine Booster Station	Art. 25 - May 2017	800,000	48,719	36,281	715,000
Water Main Replacements	Art. 24 - May 2016	300,000	86,293	3,333	210,374
State Hospital Reservoir Rehab*	multi-year	666,505	572,648	10,193	83,664
Folly Hill Tank Rehab*	Art. 30 - May 2009	2,532	-	-	2,532
Treatment Plant Improvements Phase I&II	Art. 29 - May 2009	100,136	-	-	100,136
Emerson Brook Pump Station	multi-year	16,772	-	-	16,772
Valve Exercising Program	Art. 26 - May 2015	294,663	236,407	29,848	28,408
Water & Sewer Facility	Art. 19 - May 2015	194,460	7,089	8,911	178,460
	Art. 26 - May 2014	1,433,447	43,597	19,564	1,370,286

*Based on actual borrowing, not authorization

Article 8: Disposal of Town-owned Property



ENVIRONMENTAL EFFECTS

Article 16: Plastic Bag Reduction

- Plastic bags are a major litter problem, thanks especially to their aerodynamic qualities.
- Plastic bags are often mistaken as food by both domesticated and wild animals. Birds, turtles, whales, sea lions, seals, and fish are among the species at risk.
- Ten percent of the plastic produced every year worldwide winds up in the ocean, 70% of which finds its way to the ocean floor, where it will likely never degrade.
- Every square mile of ocean had about 46,000 pieces of plastic floating in it.
- Rather than eventually breaking down into benign substances, polystyrene and plastic bags fracture into small plastic particles (microplastics), which persist in the environment.
- These tiny particles, 5 mm or smaller, present the greatest long-term danger, as these particles displace food supplies in the world's oceans.
- Animals from shellfish to whales can ingest them. This can displace space in the animal's stomach or block their digestive tracks, and then cause animals to die from starvation.
- Once microplastics enter our oceans, they will stay there virtually forever, because they persist and their removal is not possible.

ECONOMIC EFFECTS

- Every year, Americans discard 100 billion single-use plastic bags.
- The average family accumulates 60 plastic bags in only four trips to the grocery store.
- The plastic bag industry collects \$4 billion per year in profits from U.S. retailers, who pass the costs onto consumers.
- The average use time of a plastic bag is only 12 minutes.
- Recycling one ton of plastic bags costs \$4,000. The recycled product can be sold for \$32.

Recycling bags has been ineffective

- According to the State of California, the recycling rate of plastic carryout bags through the In-Store Recycling Program is less than 5%. (CalRecycle, 2011) The U.S. Environmental Protective Agency (EPA) report that 14.1% of plastic bags (of all kinds) are recycled. (EPA Office of Solid Waste, 2013) less than one percent of plastic carry-out bags are recycled each year.
- Recyclers report that it costs approximately 17 cents to recycle each plastic bag they receive and that it is very difficult to find a market for the recycled plastic film.
- In most cases it costs more to deliver the plastic to a recycling facility than the plastic is worth.
- Plastic bags are a hassle for recycling facilities – they are usually too contaminated to recycle, may contain sharp or otherwise hazardous materials, and they jam sorting equipment.

Bag litter can be prevented by implementing a ban on the free distribution of single use bags.

- The Washington D.C. bag Reduction Program resulted in a 50-60% decrease of single use bags, and 50% fewer bags were found in the annual cleanup of Anacostia River.
- In China, the use of plastic bags at supermarkets went down an average of 66 percent in one year, after the government enacted a ban on giving away free plastic bags. A survey showed that in the first year, 40 billion fewer plastic bags were given out at supermarkets.
- Within months of implementing an ordinance the number of consumers using reusable bags or taking no bag at all can reach 95% and above.

Changing consumer habits: To be effective at changing consumer habits, policies that restrict free distribution of plastic bags should:

- Provide consistency through broad coverage across all retail outlets, not just large groceries and pharmacies.
- Ensure a switch to reusable bags by eliminating the free distribution of disposable plastic bags.
- Bring local partners and stakeholders into the policy process and discuss the advantages and cost savings to businesses and the community.
- Explore options for distributing reusable bags to those that need them most.

61 Municipalities passed similar bans: Including: Barnstable, Brookline, Cambridge (includes a fee per bag), Concord, Falmouth, Great Barrington, Greenfield (proposed), Hamilton, Harwich, Manchester, Marblehead, Nantucket (\$125-3 on biodegradable packaging), Newburyport, Newton, Natick (proposed), Northampton, Pittsfield (proposed), Provincetown, Salem, Somerville (proposed), Truro, Wellfleet, Williamstown.

Retailers are making the switch: Trader Joe's and Whole Foods Market are encouraging customers to use reusable grocery bags and offer compostable bags as alternative.

Article 17: Rail Trail Expansion Planning

What?

A 2.9 mile non-motorized, shared-use continuation of the current Danvers Rail Trail, connecting Danvers downtown to additional Danvers western neighborhoods and eventually to the Middleton Rail Trail. The western extension provides an additional healthy recreational option available to all residents and visitors.

Why?

- Top connectivity request from survey respondents
- Builds on the success of the current Danvers trail
- Enhances the new Maple St. SmartGrowth district
- Provides non-motorized access from northern Danvers neighborhoods, schools, and businesses to downtown
- Non-motorized access to Middleton and beyond
- Improved access to Danvers open spaces and historic sites
- Address requests from current railbed neighbors

How?

- Three phases [see map on reverse]
- Similar to existing trail (stone dust surface, crossing techniques, trail rules, etc.)
- Design support needed for bridge at Beaver Brook, Rte. 62 pedestrian crossing, eventually road side trail Rte. 95/1 area
- Develop a plan to better scope out the project
- Proposed funding approach
- Design via Town of Danvers
- Development combination of town, grants, donations
- Ongoing maintenance funded through additional mile markers, donations, grants, and some Town support
- RTAC completed grant applications in February 2018
- Consistent with the current Danvers Rail Trail, the extension can be managed and maintained by the RTAC community volunteers

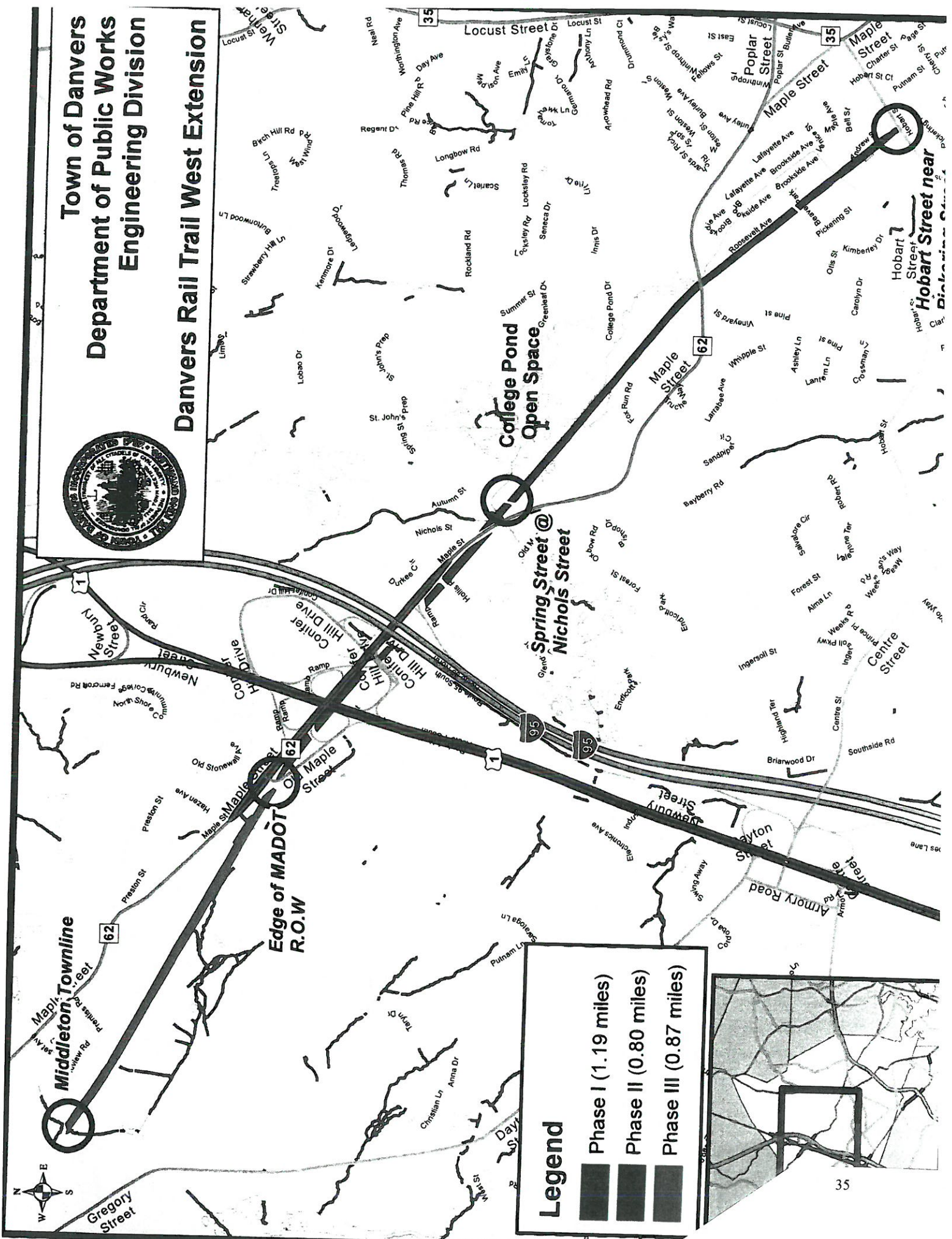
Next Steps

- Early 2018: RTAC and Town complete grant applications
- Mid 2018: RTAC and Town work with trail neighbors to understand and address concerns
- May 2018: Request design funding at May Town meeting
- Assuming approved, complete planning work by end of CY 2018
- May 2019: based on design, develop funding request for May 2019 Town Meeting
- June 2019: begin work




**Town of Danvers
Department of Public Works
Engineering Division**

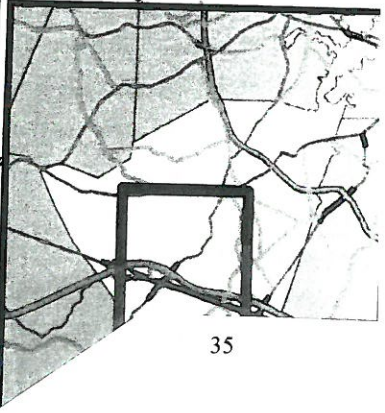


Danvers Rail Trail West Extension



Legend

-  Phase I (1.19 miles)
-  Phase II (0.80 miles)
-  Phase III (0.87 miles)

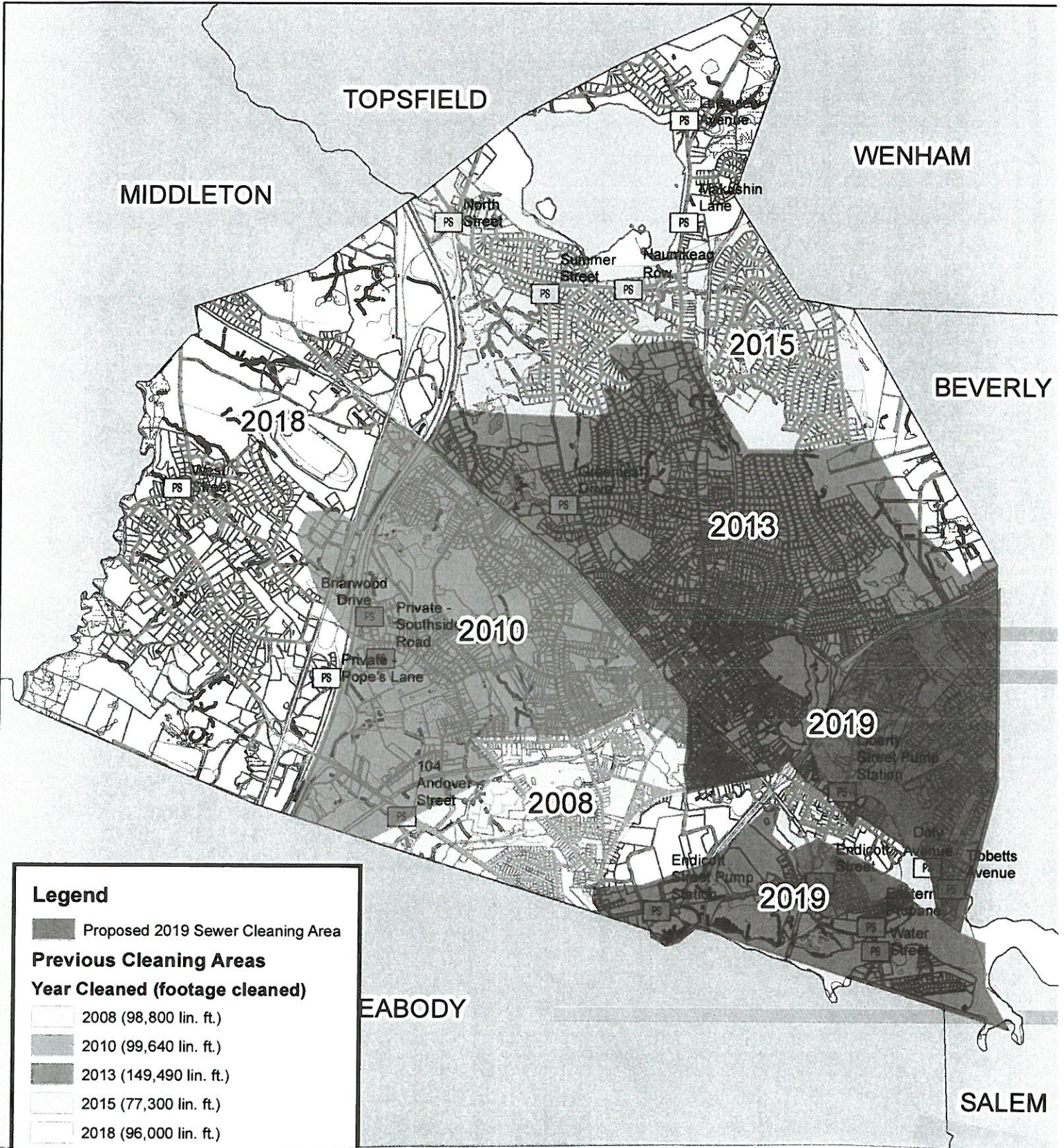




Town of Danvers Department of Public Works FY19 - CCTV Sewer Cleaning

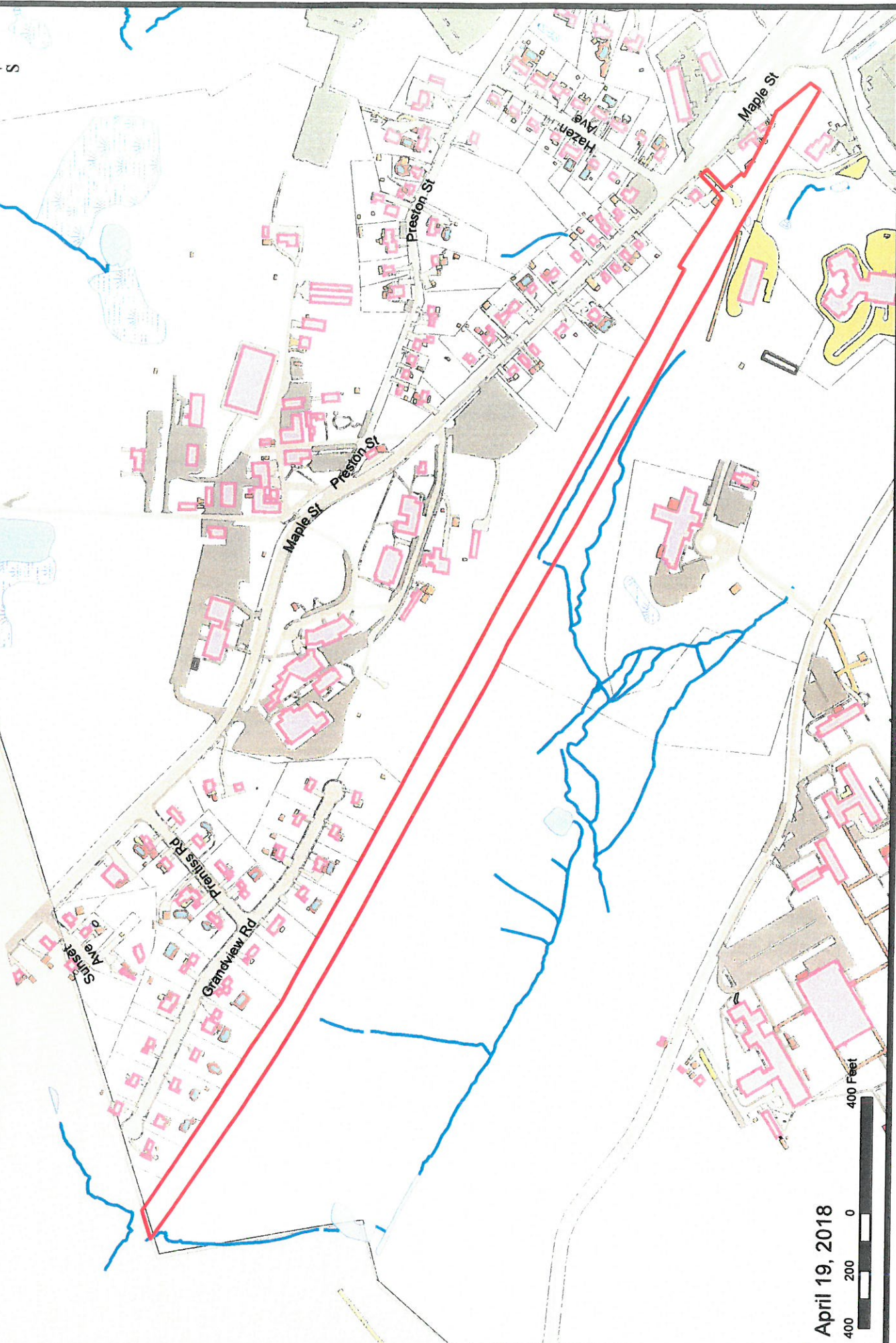


February 8, 2019



Middleton MELD Easement

MIDDLETON



April 19, 2018

