



April 2024

# Durham Public Works

## Spring Newsletter

Please Contact Durham Public Works Before Repaving Your Driveway

Durham Public Works would like to remind residents who wish to modify or construct a new driveway from a Town maintained road that they must apply for a written permit prior to construction. Please click [HERE](#) for additional information.



A DigSafe ticket must be filed for any project that requires the excavation or disturbance of the ground surface. Full program details can be found [HERE](#).

### Durham Public Works

100 Stone Quarry Drive  
Durham, NH 03824  
603-868-5578

publicworks@ci.durham.nh.us

Richard Reine, Director  
Samuel Hewitt, Assistant Director  
April Talon, Town Engineer  
Shannon Shaw,  
Assistant to the Director



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## Residential Bulky Waste Collection Program Modifications

As part of the Fiscal Year 2024 budgeting process, the Durham Town Council endorsed a recommendation by the Administrator, Durham Public Works and the Integrated Waste Management Advisory Committee to curtail the curbside collection portion of Durham Public Works' Bulky Waste Program. This decision, in part, was made to further align with the Town's sustainability goals and promote the reduction of municipal solid waste materials sent to landfills.

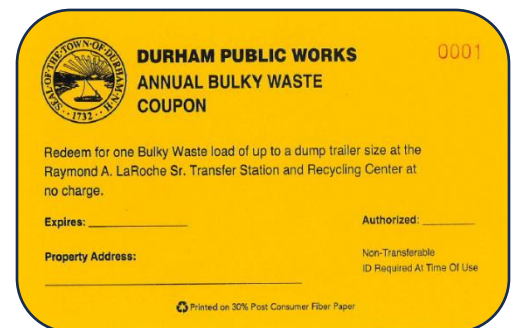
Further, because of increased program and project responsibilities, Durham Public Works no longer has the capacity to conduct this program. This resource-intensive program has resulted in 116 tons of material sent to the landfill in 2023 alone, which represented 6% of the total material sent to the landfill by the Town of Durham and consumed 400 hours of staff time. This program change will allow Durham Public Works to redeploy these resources for projects this Spring that would normally require contracted assistance and funding.

In lieu of this program, Durham Public Works will offer an annual bulky waste coupon to each residential property. This coupon, which is now available at the Durham Public Works Offices **only**, located at 100 Stone Quarry Drive, will allow the property owner to dispose of up to one dump trailer sized load of bulky waste per year

free of charge and at their convenience during normal public open hours at the Raymond A. LaRoche Sr. Transfer Station and Recycling Center. Property owners with smaller vehicles will have the option to make multiple trips during the same day equivalent to a dump trailer sized load utilizing the coupon to dispose of their materials.

#### Acceptable Materials:

- Furniture
- Mattresses
- Bulk Wood Products
- Carpeting/Rugs
- Tires Without Rims
- Metal



# Help Keep Durham's Waterways Clean!

## Green Grass & Clear Water

Some lawn care practices create local water quality problems. Excess nutrients (including nitrogen and phosphorus found in fertilizers) that run off our properties into nearby waterbodies can trigger harmful algal blooms. For more details, click [HERE](#).



*Did you know that you can have a healthy, green lawn that is both attractive and safer for the environment.*

**"ONLY RAIN  
DOWN THE  
DRAIN"**

## Stormwater: Where It Flows, Everything Goes

When it rains, snows, or slets, water hits hard surfaces and takes anything on that surface with it, through drains, pipes, and ditches to local rivers, lakes, and streams.



## Where Stormwater Flows, Everything Goes





# Spring Project Highlights

## Madbury Road Complete Streets Project – Utility + Drainage Improvements

Durham Public Works and its contractors, Severino Trucking, Inc. and J.P. Cardillo and Sons Construction will begin work on two separate phases of the Madbury Road Complete Streets project including the culvert improvements at Little Hale Creek and the Phase I utility (*water and sewer*) reconstruction stretching between Main Street and Maple Street. The culvert project will begin with a rehabilitation and slope extension of the reinforced concrete pipe which carries Littlehale Creek under Madbury Road followed by the replacement of the structurally compromised stone box culvert which carries Littlehale Creek under Edgewood Road. Alternating one-way traffic with temporary signalization on Madbury Road can be expected and an approximately three-month road closure of Edgewood Road, in the immediate vicinity of the culvert, will occur to complete this work. Construction on the Madbury Road portion is tentatively scheduled to occur from late April to middle May and from middle May to the end of August on Edgewood Road.



The Phase I utility project involves the replacement of water distribution and sewer collection mains and laterals. The base bid includes 8" watermain, water appurtenances and water service replacements on Madbury Road from the intersection of Davis Court extending in a southerly direction to the intersection of Garrison Avenue. Also included is sewer main replacement from 47 Madbury Road extending southerly to Garrison Avenue, and Sewer main replacement and rehabilitation from Mathes Terrace south to Main Street, inclusive of temporary and permanent pavement patches, and turf restoration.

Additional work extends the water and sewer main replacement onto Madbury Court. This work includes the replacement and upgrade of the existing undersized watermain, water appurtenances, 1" water services, 8" gravity sewer main, 6" sewer services, road reconstruction, and turf restoration.

Also included is Bid Alternate B, which is subject to available funding, and adds additional watermain replacement on Madbury Road from the intersection of Maple Street south to the intersection of Davis Court, and sewer main replacement at 57 Madbury Road.

This work is tentatively scheduled to begin in late May/early June and will implement an alternate lane traffic configuration with flaggers and police details. Substantial completion of this phase is expected to take place at the end of the 2024 construction season however, an allowance has been made for winter shutdown and a 2025 Spring remobilization in the event weather conditions require a suspension of construction.





# Spring Project Highlights

## Crack Sealing Program

Durham Public Works has awarded the contract for the 2024 Crack Sealing Program to Indus, Inc. of Braintree, MA. Indus will apply a polymer crumb-rubber modified (PCRM) crack sealant to Ross Road, Meader Lane, Ellison Lane, Shearwater Street, Cormorant Circle, and Razorbill Circle. PCRM is a high-performance crack sealant that consists of a performance-graded asphalt binder cross-linked with an SBS polymer and a proprietary adhesion promoter to produce an asphalt that has the ability to resist deforming at high temperatures while also being able to stretch and flex at lower temperatures. This high-performance asphalt is then blended with a finely ground crumb-rubber. During this blending process, the rubber particles absorb the polymer-modified asphalt and swell, increasing in volume and further enhancing the same properties afforded by the SBS polymer. The result is a material that has unmatched adhesion, elasticity, and load-bearing capacity across a wide range of temperatures. Crack sealing operations are scheduled to occur beginning in late April and the list of projected roadways is subject to change without notice.



## Pedestrian Safety Improvements

In June 2023, the Town and the University contracted with Engineering firm Tighe and Bond and a Professional Traffic Operations Engineer (PTOE) to undertake a review of several high use crosswalks throughout Town and on Campus to identify enhancements (i.e. signage, pavement marking, lighting adjustments, sightline improvements, roadway geometric changes, and crosswalk relocations) which 1) comply with the Manual on Uniform Traffic Control Devices (MUTCD) 2) are contextually appropriate and 3) are appropriate based on the mix of users (pedestrians, micromobility device users, cyclists and motorists).

The Project Team identified several crosswalks throughout Town that would benefit from the installation of Rectangular Rapid Flashing Beacons (RRFB) Systems. An RRFB consists of two rectangular LED bars, pole mounted on each side of a crosswalk that is activated by pedestrians as a warning device to alert drivers of their presence prior to entering the roadway. Capital funding was allocated in FY24 to fund this type of improvement at the following crossings which will begin later this Spring:

- 1) Newmarket Road at Schoolhouse Lane
- 2) Dover Road at Young Drive
- 3) Main Street at Park Court
- 4) Main Street at #66 (adjacent to new parking lot)

