## Students keep water supply clean lessons outside to take classroom help

By ARLINE A. FLEMING Valley Breeze & Observer

Monday, several Scituate High School students marked the environmental tribute date by digging into the rich dirt opposite the foundation of their own SCITUATE - On a bril-untly clear but cool Earth Day 0 Town Hall on Danielson

Their intention wasn't to see what they could find, but to find out how they could help keep the state's water supply clean by stalling a rain garden. So on their first day back

science class shoveled out a triangular trench opposite the entrance to Town Hall with the intention of installing native flowers – such as Joe-Pye Weed and winterberry – which are le to tolerate sometimes soaker spring vacation, several imbers of teacher Shannon novan's environmental

And while looking attractive, the plants will be working daily "for cleaner Rhode Island waters," said Gina DeMarco, district manager of the Northern Rhode Island Conservation a major collaborator in

the project.
"Rain gardens help in keeping water supplies clean by catching storm water runoff from parking lots, driveways and roofs. Soil and plant roots filter out down into the ground

The lesson is particularly important in Scituate where the reservoir is so central to the town's geography. But it is also the entire state,

Islanders rely upon the reservoir for their water," she said.

So the high school students, Sixty percent of Rhode

after spending the winter studying forestry, soils, aquatics,
plants, and other related topics,
applied some of their lessons
on Monday with the help of
their teacher, as well as their
student teacher Louis Cirello,
and representatives from a host
of other collaborating agencies,
among them, Betsy Dake of
Rhode Island's Department of
Rhode Island's Department office of water resources; Christopher Riely of Providence Water; and Paul Dolan of

The participation of the high school students, DeMarco says, helps to increase awareness, understanding and interest in water resources within the Scituate Reservoir Watershed. Rhode Island Resource Conservation and Development. The participation of the high

stands for Groundwater Education Through Water Evaluation and Testing and has involved other town students. The project is part of a larger project called Get Wett, which

involved other town students.
The installation of the rain garden is one of several projects in the planning stages, she said, but might be among the highest profile given the location.

Route 6 behind Famous Pizza/ Bentley's Tavern, and is plan-ming a series of gatherings to fur-ther spread the word about how

rain gardens intercept rainwater coming from roof downspous and flowing off paved driveways, carrying with it pollutants which eventually enter rivers, brooks, ponds and storm drains. DeMarco says that while public water supplies are required by law to be tested regularly, private well owners are only required to test upon the transfer of property. So unless the homeowner has their well water analyzed by a certified laboratory, they may not know of the potential health threats and the contaminants in their water ontaminants in their water.

But on this symbolic Monday,

See WATER, Page 6



Volunteers from SCITUATE HIGH SCHOOL and the NORTHERN RHODE ISLAND CONSERVATION COMMISSION work together on Monday, to build a rain garden located in front of the Scituate Town Hall. VALLEY BREEZE & OBSERVER PHOTO BY ELISE MANA

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## WATER

From Page 5

a day designed in 1970 to generate public awareness of air and water pollution, the students, and their student teach Cirello, a senior at Rhode Island College, devoted much of the day at the Town Hall ocation, and after-school hour nt teacher much

"I feel really good about this get your-hands-dirty-type of learning," said Cirello, dressed for the classroom in shirt and but readily digging in the

installing a rain garden is about \$3,000 with all collaborators making a contribution of time or tools, with DEM proving much of the cost by way of an EPA crack DeMarco said the cost of

EPA grant.

Dake, DEM's senior environmental planner, said in addition to the Clean Water Act grant, the town itself "is donating a lot of the work for this project."

Town engineer David Provonsil

"We'd love to have these all over the state," Dake said, pointing out that the installation of rain gardens is something the average person could tackle in own yard with directions to find online.

said. Pollutants can be caught in the ground, where they are removed before traveling off to "Rain gardens help keep unwanted things from going into the storm drains," Dake

Water forest supervisor Christopher Riely of the vari-ous agencies overseeing the water sources.

"We're all working together as stewards," said Providence high visibility project so close the Scituate Reservoir." He



3

"The nutries and chemicals in stormwater are harmful when they enter the water supply," Paul C. Dolan of Rhode Island Resource Conservation and Development Area Council Inc., said his agency has been working for years encouraging land and water conservation and management. "We've done umpteen different projects," and he spoke of upcoming Arbor Day tree plannings planned for around the town and state.

But at this particular spot on Monday, DeMarco coordinated all the contributors, helping with the installation of cinnamers of the contributors of the contributo ment feature that can help minimize stormwater runoff.

with the installation of cinna-mon fern, cardinal flower and winterberry among other native plants that don't need insecti-cides and fertilizers, which add to water pollution.
"We did a little Zack Hall, 18, and Josu ——
B, said they'd consider putting
in their inst such a garden in their placement, did a little reading about plant requirements," said Donovan about pre-digging preparation, noting that the selected plants are also easy to care for and maintain "and look nice at all times of the year for the most part."

Seituate High School seniors Zack Hall, 18, and Josh Caron, 18, said they'd consider mutting.

plan to check up on

the options for helping the situation."

To contact the Northern
Rhode Island Conservation dis-

siand Conservation dis-401-934-0840 or check

this one they helped establish with their teachers.
Noted Donovan: "My class

wants to help teach people about this issue in the hopes that landowners will realize heir roles in protecting our watersheds and about some



variety y of native Rhode Island will be planted in the rain front of the Scituate

BECCA BUCKLER of the Northern Rhode Island Conservation Commission, left, and Scituate High School 12th-graders JOSH CARON, center, and ZACK HALL, right, work on digging up the dirt to make the rain garden in front of the Scituate Town Hall on Monday.





Scituate students work together to build rain gardens to protect our water supply. PAGE 5 EARTH-CONSCIOUS ACTIVITY is open for the season. LIVING Historic Looff Carousel **TAKE A SPIN** 

THE VALLEY BREEZE &