

Dennis Water District

Board of Water Commissioners

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Main-Line News

www.denniswater.org

Appointed by Water Commissioners

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James Ritchie, *Asst. Superintendent*

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PROJECT FOR IMPROVING WATER FLOW INTO DENNISPORT CONTINUES

In the Fall of 2012, the District installed nearly 5,000 feet of 12" water main down Depot Street in Dennisport. This was the first phase of an important project that will improve the distribution of water from just south of the Mid-Cape Highway at Eagle Pond southerly into Dennisport. There are three major transmission mains that deliver water into Dennisport. They are located on Lower County Road, Upper County Road and Route 28. All three span under bridges that are considered vulnerable in the event of a natural disaster such as a hurricane.

The project is being undertaken in three phases. The second phase required the acquisition of easements for the installation of 4,000 feet of 12" main from the vicinity of Eagle Pond to Great Western Road. The Board of Water Commissioners expressed their appreciation to land owners for their cooperation in granting easements for the layout; Chris Enos of F.A. Days & Sons, John Connors of East Dennis and Boston and the voters of the Town of Dennis. The granting of these easements, plus one that was taken by eminent domain from owners unknown, was accomplished by unanimous vote at the Annual District Meeting in April. Most of this second phase will cross natural woodlands and will require the clearing of a twenty-foot wide swath in order to excavate and install the pipe. The work will be done by District personnel.

The third phase, which will connect the water main from Great Western Road southerly to Center Street and connect with the new pipe on Depot Street, will begin once a final layout is determined and proper easements are obtained. There is no deadline for completion of the project and the work will continue as the layout is perfected and funds are made available for the purchase of materials. To date, \$700,000 has been appropriated for the project.

The project is important for assuring there will be an adequate supply of water for drinking and fire suppression in Dennisport in the event of a major disaster. It will also alleviate a "bottleneck" in the distribution system as the water flows southerly from the 6-million gallon water tank into Dennisport Village.

DISTRICT VOTERS OVERWHELMINGLY SUPPORT GRASSY POND WOODLANDS

More than 270 Dennis voters attended the 68th Annual Meeting of the Dennis Water District held on April 23, 2013. The voters quickly dispatched the first six articles of the seven article-warrant in less than 12 minutes. Debate then ensued on Article 7 which called for the expenditure of \$142,500 from "Free Cash" for the acquisition of a watershed protection easement on approximately 6.37 acres of land off Setucket Road. The

parcel is one of two parcels totaling slightly more than 11 acres that the Town of Dennis approved for purchase in November 2012 at the negotiated price of \$985,000 and awarded a \$300,000 Community Preser-



Grassy Pond Shoreline

vation Grant for open space. The Town's purchase was contingent on the Town receiving the remaining \$685,000 from gifts and grants from other entities.

The Dennis Conservation Trust (DCT) with the assistance of the Compact of Conservation Trusts, worked on bringing together a public-private partnership for the purchase over the course of two years.

Continued on back - "Grassy Pond Woodlands"

CONGRATULATIONS

Board of Water Commissioners and District Staff
for receiving the

2013

Regional Recognition

For Outstanding Performance and Achievement

Awarded by the

Commonwealth of Massachusetts
Department of Environmental Protection
Drinking Water Program

Continued from front—"Grassy Pond Woodlands"

On March 25, 2013, Massachusetts Energy and Environmental Affairs (EEA) Secretary Rick Sullivan awarded a \$400,000 Local Acquisitions for Natural Diversity (LAND) grant to the Town. At the request of the DCT, the Board of Water Commissioners placed Article 7 on the Annual District Meeting for voter consideration. The article passed by unanimous vote. With the DCT's pledge of \$142,500 towards the project, the total funding for the purchase was achieved and would ultimately prevent the probable development of a nine-lot subdivision.

The parcel contains and abuts habitat for rare and endangered species, provides additional contiguous land for open space and most important to the District is that it will provide additional protection for the drinking water supplied by five wells. These wells have a capacity of nearly 3.4 million gallons per day and in 2012 provided nearly half of the drinking water for the north side of Town. Four of the wells are within 1,200 feet to 1,800 feet of the buildable lots.

Meter Replacement Program

Accurate meters are essential for correctly billing customers, projecting usage trends and accurately determining the difference between what is used by customers and what is pumped into the distribution system from the wells. Approximately 90% of the water pumped is billed to customers. The District is on a 20-year replacement cycle which is approximately 700 meters annually.

The difference between what is billed and what is pumped is called "unaccounted for water". Some of this water is actually accounted for by estimating amounts used for flushing, water main breaks, fires, etc.

Employees may leave a card on your door or post cards may be mailed to owners requesting the scheduling of an appointment for the replacement. Replacements generally take about 30 minutes, but plan on an hour to be safe. There is no cost to the customer and every effort is made to schedule the appointment at the customer's convenience. State law requires customers to provide District personnel with reasonable access to the meter. Failure to do so will eventually result in the suspension of water service and additional charges may be assessed. If you have any questions, please feel free to contact the office directly at 508-398-3351.

ALL District field personnel carry a photo identification card.

Do not hesitate to ask for it!

TWO FILTRATION VESSELS ON ORDER FOR ADDITIONAL WATER TREATMENT

Historically, the Board of Water Commissioners has supported capital projects for water quality and system distribution improvements which can be done over several years. This provides an opportunity for the District to plan and perform the work with District staff and prevents the need to borrow money to finance projects.

One current water quality project will add Well 5 to the South Treatment Plant and Well 22 to the North Treatment Plant. Two treatment vessels have been ordered and

will take six months for fabrication and delivery. The vessels are about 11' in diameter and about 12' high on their pedestals.



Iron & Manganese Filtration Vessels

Each is filled with 12" of gravel, 18" of greensand and 18" of anthracite and will weigh about 30,000 lbs.

The removal process begins with the addition of chlorine to the water as it leaves the pumping stations. Chlorine is an oxidizer binding with the iron and manganese creating a particle that falls out of the water where it is then caught and filtered out in the treatment vessel. Well 5, at .655 MGD (million gallons per day), is primarily high in manganese. Well 22, at 1 MGD, is primarily high in iron.

The cost of the project is estimated at \$700,000 to \$800,000 and funding will be phased in over three fiscal years. With \$600,000 appropriated to date, the final cost will be known as the project nears completion.



DON'T FORGET!!!

**HOUSEHOLD HAZARDOUS WASTE
COLLECTION DAY**

**September 14th 9:00 AM to 1:00 PM
Tony Kent Arena**

Sponsored by the Town of Dennis

