

**Minutes of Meeting of Quonochontaug Central Beach Fire District
Public Works Committee**

November 27, 2016 at 10:30 a.m.

Location: Charlestown Police Station

Committee Members Present:

V Reppucci, G Prior, G Reppucci, S Peet, J Finn, R Frazier, T Frost, J Montstream.

Absent: R Campbell

Guests: R Jacobsen, D MacDougall

Meeting was called to order @ 10:37

1. Approval of minutes from October 1 PW Committee meeting.

A motion was made to approve the minutes of the October 1 PW meeting. Motion was seconded and passed unanimously.

2. Discussion and possible action with respect to Stop Sign installation location.

Vincent Reppucci, Chair, mentioned that several white flags were placed marking specific locations for stop sign and corresponding white line placement at the intersections to Charlestown Town Roads. PW committee members were encouraged to review and comment on the placement. Placement will be confirmed at a future PW meeting and then shown to Charlestown Public Works officials for town approval prior to permanent placement.

3. Discussion and possible action regarding NWSI proposal "Inspection of Exploratory Drilled Bedrock Wells".

During previous public works committee meetings a request was made to obtain a written report on the status of the 2 deep well drilled in summer 2015. Beyond documentation of 2 gal/m flow from one of the wells there is no written report or videotape available of the deep wells drillings. During a recent meeting between the public works chair and NWSI personnel a discussion regarding re-examination of the well, with generation of a report, was undertaken. A proposal outlining reexamination of the well by placing a camera into the well with real-time monitoring of fracture lines by a hydrologist and geophysicist provided by NWSI was presented to the committee. The goal would be to determine if "promising" fractures existed. These could then undergo high pressure fracking to increase water flow. Discussion of this proposal was undertaken, the chair represented that during his review of deep well reexploration the steps proposed by NWSI seemed appropriate. Visualization of fractures lines during drilling can alert one to potential water sources. The committee agreed it would be beneficial to obtain a final written report on status of the deep wells. Prior to PW making a recommendation to the BOG it was suggested that perhaps NWSI could provide a sample report of a previously explored well. The chair will ask for a sample report from NWSI and share with the committee.

4. Discussion and possible action regarding proposed combined meeting with Long Range Planning (LRP).

LRP has a meeting scheduled for December 28th at 8:30. The Chair mentioned this is intended to be a joint meeting and asked members to consider attending even if a quota for PW could not be attained.

5. Discussion and possible action of QCBFD right of way stairway railing.

The wood railing at QCBFD resident right of way at the southwest corner of the fire district, between the Peet properties end about 10 inches before the step and stone drop-off. A motion was made to have a PW committee member volunteer to replace the wood railing with the proper length. The motion was seconded and passed unanimously.

6. Informational update regarding conversion of speed bump to speed hump on Surfside.

At a prior PW meeting a motion was made and passed to convert the speedbump on surfside to a speedhump. Discussion ensued. It was agreed this would be performed after the winter to minimize plow damage. Vincent Reppucci will reach out to the contractor and arrange for the conversion in April. A committee member also stated his intention to repaint several speedbumps after the winter.

7. Informational update on Nitrate levels and corrective action options.

Nitrate levels from the Central Beach and East Beach wells have been coming down. CB switched over to Well 2 earlier in November do to the lower nitrate levels. Chair met with the president of East Beach water and agreed to share nitrate levels and water usage data going forward. A third nitrate test at the distribution side of the system has been added for further data generation.

NWSI will present an iron amelioration proposal so that Well 2, which has a high iron concentration can, be used as the primary. Year over year trend does not suggest a rise in nitrate levels for the past several years.

Discussion of a third well, deep vs shallow, ability to blend and well production requirements was undertaken. We utilize about 5,000,000 gal/year. It was pointed out that a third well, with minimal nitrate levels, producing 4 gal/min would represent 2,000,000 gals/year or 40% of our water requirements and could potentially be the sole well utilized for 10 of 12 months.

Determination of a "trigger" nitrate level was discussed. An exact number was not decided but agreement seemed to center around a level of 7.5 within the distribution site would warrant initiation of a corrective action plan. No action was taken.

8. Informational update on water system control panel.

Switching of the lead pump from well 1 to well 2 still requires a manual rewiring of the control panel. NWSI had recently communicated that a modification to the control panel was made to accomplish this electronically. Vincent Reppucci will clarify this with NWSI and report back to the committee

9. Informational update regarding curbstop repair/replacement and costs.

A discussion regarding the cost of replacing the curb stop ensued. The cost is in the \$1200-2000 range per curb stop depending on distance from water main. George Prior shared bit of history with a prior moderator recommending curb stops be replaced as they became faulty. No action was undertaken.

Motion to adjourn was made, seconded, and passed. Meeting was adjourned at 12:06 am
Respectfully submitted,

Gregory Reppucci