

**MINUTES**  
**BOARD OF SELECTMEN**  
Tuesday, March 19, 2013 5:00PM

**REVISED**

*Location:* Earle Mountain Room

*Present:* Selectman Aimee J. Eckman, Chair; Selectman John F. Knight, Vice-Chair; Selectman Wallace F. Adams, Clerk; Selectman Linda S. Burt; Selectman Martin F. McDonald; Sheila Vanderhoef, Town Administrator, Assistant Town Administrator Nan Balmer

*Also Present:* Jeffery H. Davis, DBA Organization Renewal Associates

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The meeting was called to order at 5:00pm.

**Municipal Water Discussion**

Mr. Jeffery H. Davis, DBA Organization Renewal Associates, was present and acted as Moderator Facilitator of the meeting, as contracted by the Town to do so.

The Board of Selectmen were present to discuss and answer questions of the public as to Why a Municipal Water System Design and Installation..

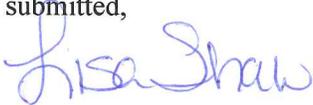
The powerpoint presentation and the list of questions asked by the public at this meeting are attached to these minutes.

**ADJOURNMENT**

*The meeting was adjourned at 7:08pm.*

Respectfully submitted,

Lisa Shaw



## QUESTIONS FROM THE WATER MEETING TOWN HALL MARCH 19, 2013

1. If many don't hook up, could the price per gallon or price to hook up go up? What is the hook up price? In Wellfleet, the price is \$10,000.00. If not enough hook up, will water quality go down and require more treatment? I have heard that is now happening in Wellfleet, where water must be treated with additional chemicals than they anticipated.
2. Will hook ups be voluntary or mandatory? If voluntary, what is Eastham's plan to avoid the situation Wellfleet is in due to fewer than anticipated hookups and far less than anticipated revenue?
3. Have you considered how well (or not) the gas company has "patched" Route 6A in Brewster?
4. How will the system work with 1 (one) storage tank when the DEP requires all tanks to be drained and inspected when you only have 1 (one) tank?
5. How can I find out what phase my home will be in?
6. Where is the landfill in relation to the wells on the ground water model map?
7. Who is responsible for the inspection of the contractor's work?
8. Does the home owner get to decide where along the roadside boundary of his property the curb box is placed?
9. In Phase One is there any private way street owners that will be treated differently from non-private way street owners?
10. What color will the hydrants be?
11. Can you explain how the different phases were determined?
12. Can we get a copy of the map showing the water system at completion and the map showing the six phases?
13. In re the "Design of the Project," please discuss how "Private Way" street owners will be treated.
14. What or how does it affect condos with their own wells?
15. Will connection from main to "curb box" be the same size for all connections? i.e. commercial versus residential.....size of property, etc.
16. Why privatize the administration of the system? Why not use our own local people – create jobs through the town?
17. If it is proposed to do a "Full Build Out" for the entire town, why can't all sections be built in unison so everyone has equal access time-wise rather than waiting years to get a connection while still having to pay for it? i.e. a suitable contractor or multiple contractors (for each phase of construction) To do the entire job asap for all. Bob McGorry [rbmgorr@hotmail.com](mailto:rbmgorr@hotmail.com)

18. How many properties will require an easement to complete the loop on the main?
19. Will you need to cap your own well, or will that still be a viable water source for the home?
20. Will you be able to use both municipal water and well water at the same time? For example: Can I draw drinking/bathing H<sub>2</sub>O from municipal water and use well water to water my garden?
21. Do private property homes (maybe they mean private roads?) get H<sub>2</sub>O? Is there an extra cost?
22. What will the water pressure be at the inlet to a home? If it is over 60PSI, then have you told people with older type thin wall copper pipes that they can expect their pipes to develop pin-hole leaks?
23. Where do I sign up to be a meter reader?
24. Can you estimate the cost of hooking up if it were done today? Just estimate a dollar range – it doesn't have to be exact.
25. Environmental Partners Group, our town water consultant, has already received \$3,000,000. The cost spreadsheet supplied by the Town Administrator shows they will receive an additional \$16,592,000 (possibly from a no-bid contract) from the \$114,000,000 project. Isn't that rather expensive to determine the size of pumps and pipes for this project since it appears most of the layout has already been done?
26. At a previous meeting it was stated by the board that the town bears some responsibility for the properties affected by the landfill. Isn't the town fully responsible, especially if town water does not pass?

# Eastham Water System: System Design and Installation

March 19 and 23, 2013



## Town-wide Water System

6646 Lots Served

### Demands

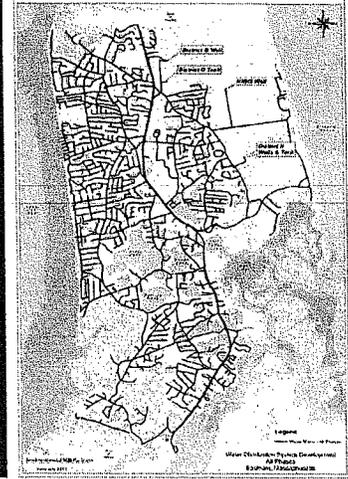
Annual average day:

1.00 MGD

Summer average day:

1.88 MGD

Peak Day: 2.65 MGD



## Agenda

- Water system overview and water supply demand needs
- Water supply sources and demands
- System development
- Construction approach
- Homeowner responsibilities
- System operations

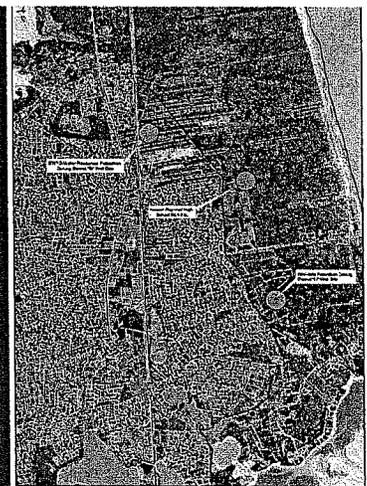
## Supply Sources

More than we need  
to be self-sufficient

NRHS – 0.882 MGD

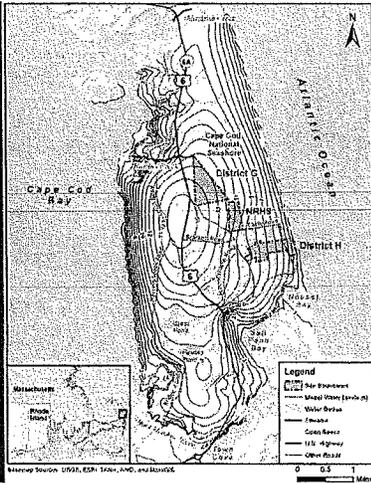
District G – 0.995 MGD

District H – 1.30 MGD



## Nauset Lens Groundwater Model

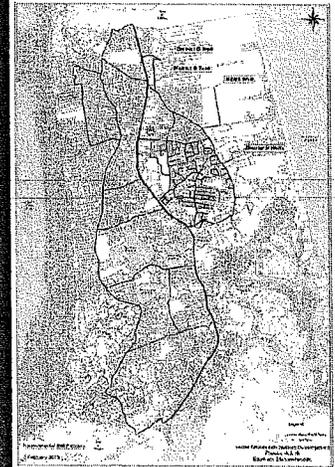
- Aquifer is a bubble
- Supplies are on less developed side of Town
- Supplies are on undeveloped land within or next to CCNS



## Phase 1

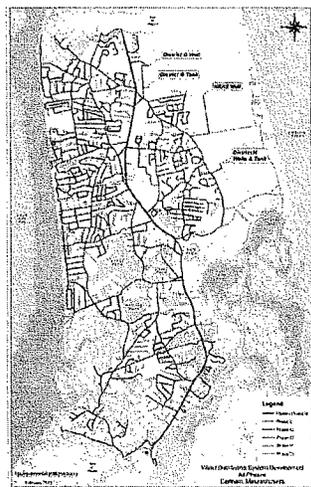
System backbone of transmission mains:

- Area southeast of landfill
- Wellfields (3)
- Storage Tank
- 2,056 Connections



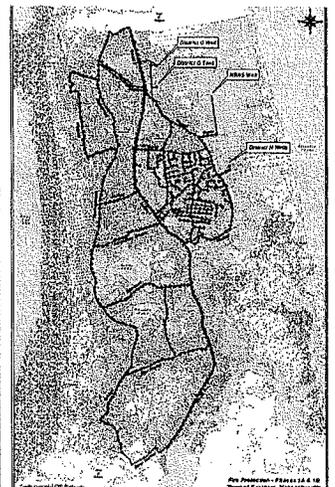
## Town-Wide Water System

Six phases of construction



## Phase 1 Fire Protection

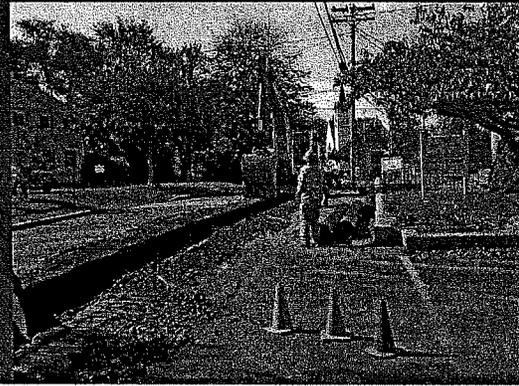
- Fire protection 1000' radius from mains
- Lower ISO rating
- Phase 1 gives fire protection to 79% of all lots in Town (within two years of construction start)
- By Phase 2 – 90% fire protection for Town



## System Construction

- Construction in six phases
  - Starting 2014 - two years each
  - Multiple crews
  - No construction on Rt. 6 during summer
- Area southeast of landfill is priority
- \$114.8 M construction cost
  - (includes inflation through construction)

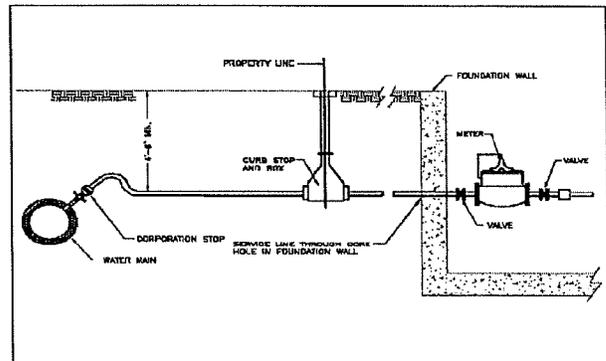
## Water Main Installation



## Service Connections Program

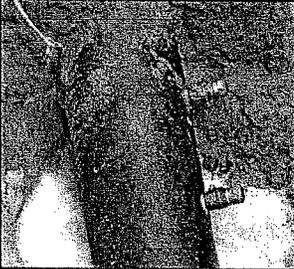
Phase	Year Connected	Connections	Cumulative	% of total
1	2016	2056	2056	31%
2	2018	1036	3092	47%
3	2020	1049	4141	62%
4	2022	915	5056	76%
5	2024	1316	6372	96%
6	2026	274	6646	100%

## Homeowner Responsibilities The Service Connection

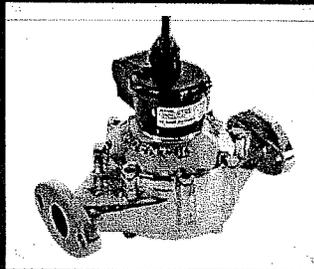


## Service Connections

Corporation Stop



Water Meter



## Next Public Information Program

System Design and Installation  
March 23 @ 10:00 am

Financing/Operations  
March 26 and March 30, 2013

Full Story  
April 13 and 27, 2013

## System Operations

- Privatized operation
- Company responsible for:
  - Operations
  - Administration
  - Billing
  - System repairs

# Questions