



TOWN OF CHARLTON

37 MAIN STREET
CHARLTON, MA. 01507
508-248-2210

BOARD OF HEALTH

July 26, 2022

Members Present:

Matt Gagner, Chair

Pete Lancette, Vice Chair

Jon Sanborn, Member

Others Present:

James Philbrook-Health Director

- Chair, Matt Gagner, called the meeting to order at 6:00 p.m.
- Vice Chair Peter made a motion to accept the June 21, 2022, minutes. Member, Jon Sanborn seconded, all in favor.
- Cemetery and Gould Road
 - No new information. Take off Agenda for next meeting.
- Flint Road and Old Town Road
 - Gary Magnuson of CMG doing normal testing and mowing is being done at 90 Flint Rd.
- 54 Flint Road Landfill Closure
 - Nothing new to discuss.
- Covid Vaccine Updates
 - Nothing new to report.
- Department Head Reports
 - We will be receiving 130k to covid-19 contract tracing nurses to continue working for the next year.
 - Working on compliance for \$300k for Shared Services Grant. Jim will do interviews for new employees and make recommendations to the Board.
 - Water issues continue at Bay Path. Pressure loss incidents.
- Other Business Not known at time of posting
 - Matt received a letter from a resident about a camper at the end of Glen Echo Shore Road parked in the right of way to the water and a dock was placed at the end of her property.
 - 171 Sunset Drive well depth was discussed. Kevin Chambers is the owner of this property. Jim Philbrook-Health Director, Angela Panaccione-Conservation Commission and Gary Magnuson of CMG Environmental visited this property and examined the well to determine at what depth the well would go dry. Gary

determined that if the lake was drawn down more than 4 feet, Mr. Chambers' well would go dry. See attached letter from Gary.

- Next meeting will be August 23, 2022, in person at 6:00 p.m.
- Jon made a motion to adjourn, Peter seconded all in favor 6:59 p.m.

Peter Jones
Matt Jones

Philbrook.James

From: Gary Magnuson <GMagnuson@cmgenv.com>
Sent: Tuesday, July 19, 2022 12:55 PM
To: Philbrook.James
Subject: Site Inspection 171 Sunset Drive Charlton

CAUTION: This email originated from outside of the Town of Charlton email system. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hello Jim:

CMG Environmental, Inc. (CMG) prepared this email to document today's 10:00 AM site inspection at the above referenced address.

Present: Kevin Chambers, his wife (sorry I did not get her name), Jim Philbrook (BOH), Angela Panaccione (Con Com), Gary Magnuson (CMG)

Objective: Inspect shallow well.

Information collected: All parties inspected the well and discussed it's construction.

Date of construction: unknow (likely 40-50 years ago)

Shallow well: constructed of pre-cast concrete tiles

Well line has a foot valve located about 4 inches from the bottom of the well (information provided by home owner)

Did not inspect the well pump (likely a "jet pump" located in the house).

CMG surveyed the elevation of the well relative to an arbitrary datum of 100.00 feet at the top of the concrete well tile (the top tile).

Top tile top elevation = 100.00 feet

Water elevation in well = 94.49 feet (or 66" below top of well)

Water elevation in lake = 94.53

Calculated bottom of well = 85.82 (based on 102" inches of water in well – or 8.66 feet)

Water in the well is currently about at the same elevation as the water in the lake (within 0.04 feet)

Well currently has 8.66 feet of water in it.

Some basic assumptions:

If water in lake is lowered 2 feet one would expect the water in the well to drop by about two feet (so to elevation 92.49 – yielding about 6.66 feet of water in well)

If water in lake is lowered 4 feet one would expect the water in the well to drop by about four feet (so to elevation 90.49 – yielding about 4.66 feet of water in well)

If water in lake is lowered 6 feet one would expect the water in the well to drop by about six feet (so to elevation 88.49 – yielding about 2.66 feet of water in well)

CMG did NOT conduct a hydrogeologic analysis of the well or the soils in the area. CMG did NOT conduct hydraulic conductivity testing of the well to determine the wells yield.

CMG can NOT, does NOT, and will NOT provide an evaluation of the yield of this drinking water supply well based on this very limited assessment.

I trust that this information is helpful.

Please respond with any questions.

Regards

Gary

Gary Magnuson
Principal
Gmagnuson@CMGEnv.com



CELL (508) 320-0312
OFFICE (774) 241-0901
FAX (774) 241-0906