KEY TERMS

GPD = Gallons Per Day Limits

I&I = Infiltration and Inflow

GCG Associates, Inc.
Inflow & Infiltration = Stormwater and Groundwater entering the sanitary sewer system, reducing permitted capacity.
CRPCD = CHARLES RIVER POLLUTION CONTROL DISTRICT

GOVERNANCE

GCG Associates, Inc.
MILLIS MUST COMPLY w/ CRPDC CONTRACT
CRPDC - MGL 83, SEC.10

SETS UNIFORM COMPLIANCE STANDARDS FOR WASTEWATER COLLECTION AND TREATMENT

Franklin, Medway, Millis, Bellingham, Dover, Holliston, Norfolk, Sharon, Sherborn, Weston, and Wrentham
Currently, Millis must include available/unused sewer even if homes are not connected. This is 110 Gal/BR.
The Sewer System: A Shared Responsibility

To help keep our lakes, rivers, and lands clean for the health and enjoyment of all, both homeowners and sewer agencies must do their part to keep the sewer system free and flowing and reduce the risk of a sewer spill. The drawing below provides an overview of the requirements and best practices of a sewer system in order to keep it from overflowing.

- **Bathroom**
  - **Do Not** put the following down the drain:
    - "Flushable" wipes
    - Dental floss
    - Hair
    - Cat litter
    - Prescription drugs
    - Feminine products

- **Kitchen**
  - **Always** scrape the following into the garbage before dishwashing:
    - Fats, oil, and grease
    - Coffee grounds
    - Egg shells

- **Sewer Manhole Cover**
  - Provides agency access to sewer system

- **Boxed to Grade**
  - Labeled "SEWER" with water-tight plug or cap

- **Property Line Cleanout**
  - Provides access to the sewer line so that blockages can be removed (Two-way required by some districts)

- **Roof Drain**
  - Never connect roof drain to sewer

- **Home/Building Cleanout**

- **Pipeline to Treatment Plant**

- **Protection**
  - Add sufficient cover over sewer line to protect against freezing/frost

- **Sump Pump**
  - Never connect sump pump to sewer system

- **Yard/Mechanical**
  - **Do Not** put the following down the any drain:
    - Motor oil
    - Pesticides
    - Antifreeze
    - Fertilizers

- **Forewarning:** Remove trees, rocks, and shrubs from above sewer line

**Sewer Maintenance Responsibility Of:**
- **Public Agency**
- **Property Owner (You)**
GPD ALLOWED – SEWER RESERVED
= TOWN CAPACITY BALANCE
CRPCD + DEP
MANDATE:
110 GAL/DAY/BR
CRPDC ALLOWS (TOWN ACTUALS) 4 YR AVG = SEWER CAPACITY

628,000 GPD (393,000)

235,000 GPD

EST. BY CHARLES RIVER POLLUTION CONTROL DISTRICT (CRPDC)

GCG Associates, Inc.
BUT... MILLIS HAS PROMISED MORE SEWER USE
SEWER CAPACITY

– PERMITTED NOW
– PROMISED
= DEFICIENCY

235,000 GPD
(218,028)
( 22,480)

( 5,508 GPD)
CAPACITY SHORTFALL
USE: PERMITTED + RESERVED + PENDING
JANUARY 2020
MILLIS
PERMITTED SEWER

236,044 GPD

KENSINGTON PLACE
DOVER ROAD
EDEN STREET EXT
ACORN PLACE
HICKORY HILLS (10%)
ACORN STREET
FARM STREET EXT
CEDAR STREET
REGENCY AT GLEN ELLEN
ORCHARD STREET
AREA A (31%)
AREA B-1 (45%)
AREA E (11%)
RIDGE STREET
COTTAGE STREET
PERMITTED NOW

CURRENTLY UNUSED
218,028 GPD
(NOT ALL UNITS ARE BUILT)
2020 PENDING SEWER

40B 114 UNION – 18,400 GDP
1344 MAIN ST – 4,000

22,400 GDP
UNUSED SEWER


Still...

UNUSED HOME SEWER

44,701 GDP
SEWER CAPACITY RECOMMENDATIONS
Monitor and update flows as connections occur to remove from sewer inventory
Establish policy with timetable to mandate sewer hook-ups
Developer partnerships e.g., buy-backs, treatment plants not at ratepayer expense
GCG Associates, Inc.

MICHAEL CARTER, PRESIDENT
&
JAMES McKAY, MILLIS DPW

MILLIS SEWER CAPACITY REPORT
JAN 27, 2020