

Town of Grafton

Board of Sewer Commissioners

Check List for Plans of Sewer Construction

The following checked items are to be addressed prior to approval:

- Sewers to be constructed in accordance with Town of Grafton's Contract No. 9 and associated detail sheets.
- Construction will be done under the supervision of the Sewer Department's resident engineer.
- The Town shall charge a fee for the inspection of the main sewer line construction; fee structure may be obtained from Treatment Plant personnel.
- The Town shall charge a \$50 permit fee for each house or other structure that chooses to enter into the public sewer system.
- All engineering fees are for the account of the owner.
- Obtain Road Opening permits from the Town.
- Get order of conditions from Conservation Commission.
- Provide House connections to all potential users.
- Show groundwater and surface water levels on profiles.
- Show waterlines on plans and profiles.
- Show proposed sill or basement floor elevations.
- All houses to be sewerred below the footings per the Sewer Use Ordinance.
- Size lines for total drainage area. Submit calculations, e.g., for domestic wastewater flows, 3.5 persons per house x 55 gallons/person/day x 3.5 peaking factor. For I/I, 1500 gallons/day/inch diameter/mile x 1.5 peaking factor.
- Trench repaving in existing streets shall have to pass through one winter and contractor shall be responsible for settling and leveling for two years.
- Provide profiles showing slopes of all sewer pipes.
- Maintain a minimum cover of 7.5 feet.
- Maintain 10 feet of horizontal distance between sewer and water lines.
- Show stub locations on plans for all lots.
- Crown of sewer pipe to be 18 inches below invert of water pipe.
- As built plans to be on Mylar by a registered professional engineer.
- Provide copy of easement agreement from private owner.

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- Will system become public or remain private.
- Show pipe sizes of all pipes.
- All line shall be terminated with a manhole.
- All drops in elevation greater than 2 feet shall be done with external drop manholes.
- All manhole frames and covers shall be 30 inches and marked "SEWER". Frames and covers must meet LeBaron Foundry LC327 specifications per Sewer Department.
- Manhole frame and cover to be adjusted using a minimum of two bricks and a maximum of five bricks, red brick only.
- All manholes shall be equipped with ladder rungs. Manhole rungs shall be steel reinforced copolymer polypropylene plastic.
- All manhole inlet to outlet elevation differential to be 0.2 feet to 0.4 feet.
- Send Sewer Extension Permit to DEP after Sewer Commissioners has signed it.
- Submit borings for review.
- Show force main profiles for any pump stations.
- Detail sheets shall include:
 1. Manholes
 2. Waterline crossings
 3. Pump station
 4. Trench cross section showing bedding stone.
 5. Utility crossings
 6. River crossings
- See attached comment sheets.