

FIGURE 5A
SANITARY SEWER ENGINEERING REPORT FORM
FEBRUARY 8, 2022

I. General Information

1. Name of Project: _____
2. Sewershed in Avon (Simsbury, Farmington, Canton): _____
3. Estimated population served by proposed system: _____,
4. Estimated daily sewage flow for the proposed system at full build out: _____,
5. Calculated peak sewage flow capacity of the proposed system: _____,
6. Sewage flow allocated for the area based on zoning: _____,
7. Sewage flow capacity of connecting Town Sewer: _____, Actual (); Estimated ().
8. Are there any deviations from the Town Standards and Specifications within the proposed design? YES____ NO____
If yes, describe (use additional pages if necessary): _____

9. Proposed sewer line(s) is (are) located within the proposed/existing right-of-way? YES____ NO____
If no, explain: _____

10. Are easements required for the extension of the sanitary sewer? YES____ NO____
If yes, are they indicated on the plans and completed for filing on the Town Land Records?
YES____ NO____

II. Sanitary Sewer Line Extension Technical Information

1. Proposed sanitary sewer pipe material (PVC SDR 35, PVC Sch 80, Ductile Iron Pipe, C900)?
Circle materials and further describe: _____

2. Are there any locations within the proposed mainline or laterals in which a minimum of 48 inches of earth cover is not provided? YES____ NO____
If yes, explain: _____

3. Are there any proposed sanitary sewers with a depth to invert greater than or equal to 15 feet? YES____ NO____
4. Are there any proposed sanitary sewers within a wetland area? YES____ NO____
5. Portion(s) of the proposed sewer system will be at or below normal ground water level? YES____ NO____
If yes, describe the portion(s) and methods of relief _____

6. Is the design velocity of each proposed line at full and half full flow is equal to or greater than 2 ft/sec? YES____ NO____
If no, explain _____

7. Is a minimum of 1.5 feet of vertical separation and ten feet of horizontal separation between sewer lines and potable waterlines are maintained? YES____ NO____

8. Are there any existing or proposed water wells within 75 feet of the sewer? YES____ NO____

9. Are there any stream crossings? YES____ NO____

If yes, do the plans and/or specifications contain all the requirements of Inland Wetlands Commission approvals? _____

If no, explain: _____

Manholes:

10. Do all of the manholes match the Town of Avon Standards? YES____ NO____

If no, explain: _____

11. Receiving line:

a. Size of receiving line: _____

b. Hydraulic capacity of receiving line: _____.

c. Current peak flow in receiving line: _____.

Note: At the Town Engineer's discretion, the Town may mandate that the proposed sanitary sewers be modeled within the Town's capacity model at the Developer's expense for determination of potential downstream effects..

12. The proposed sewer lines are located upstream of an existing or proposed Pump Station? YES____ NO____

If yes, the following information is required:

Existing Pump Station design capacity: _____

Existing flow at Pump Station: _____

13. The proposed top of frame of all sewer manholes located at elevations above the 100-year flood elevation? YES____ NO____

If no, can the manhole covers be raised above the 100-year flood elevation? YES____ NO____

If not, the manhole frames and covers must be bolted and watertight covers approved by the Town Engineer.

14. Does the proposed use include any potential grease production (current or future likely use)? YES____ NO____

If yes, have the appropriate design calculations and details been provided for a Grease Separator?