



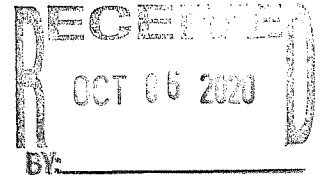
Town of Simsbury

WATER POLLUTION CONTROL
36 DRAKE HILL ROAD
SIMSBURY, CONNECTICUT 06070

OFFICE HOURS
Monday - Friday 7:00 to 3:30
860-658-1380 or 860-658-3258
Fax: 860-658-6809

Watch Simsbury Water Pollution Control meetings LIVE and rebroadcast on Comcast Channels 96, 1090, Frontier Channel 6071 and LIVE streamed or on-demand at www.simsburytv.org

Simsbury Water Pollution Control Authority Regular Meeting



Thursday
October 8, 2020
7:00 p.m.

A G E N D A

- 1) Safety Brief
- 2) Request Waiver – 98 County Road (Continued)
- 3) Status Report on Sewer Extension Projects, etc.
- 4) Treatment Facility Report
- 5) Correspondence
- 6) September Meeting Minutes – Possible Approval
- 7) Adjourn

July 8, 2020

To: W P C A
Attn: Mr. Paul Gilmore

Subject: Request Wavier of Town Charge to change from Septic to Sewer system

Dear Mr Gilmore:

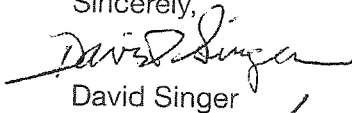
My Name is David Singer, my wife Terri and me reside at 98 County Road. I am requesting a waiver of the town charge of \$4,095.00 to change from Septic System to Simsbury Sewer System.

My wife and me are both disabled. My wife is collecting Social Security disability. I had a knee surgery that went bad when I got MRSA in the Operating room. I had to have my left leg fused which left me with a Knee that cannot bend. I have two torn rotator cuff shoulders. I cannot Walk without a walker, nor can I walk far. For Doctor appointments or Other outdoor needs, I use a power wheelchair. I have fallen numerous Times both in my home and outside. I have become far more familiar With the town EMT,s and Firemen then I wish.

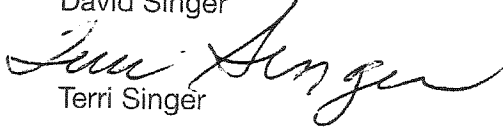
We have been receiving food from the town on a monthly basis for which We are both thankful for.

My Septic System has had to have water pumped out twice in the last Six months. We realize it is time to move to sewer water, but with the Town assessment and the cost to the Septic Company it is to great a Cost that we can afford. We both live off of a fixed pension and Social Security. We both hope you will give our request serious consideration Or any counter proposal you may have.

Sincerely,



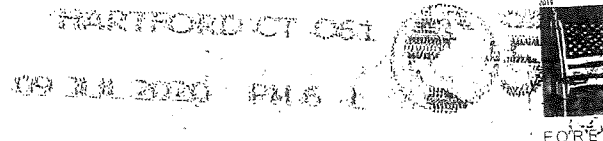
David Singer



Terri Singer



Ms. Terri Singer
98 County Road
Simsbury, CT 06070-1245



W P C A
36 DRAKE HILL RD.
SIMSBURY, CT 06070

DEVELOPER INSTALLED SEWER PROJECTS - PROGRESS

Development / Address	Capacity Review				Developer's Agreement		TR-16 DEEP Approval	Permitting/Inspections				WPCA Acceptance	Comments
	Application Sent	Application Rec'd	Results Mailed	FCC Calculation	Public	Private	Date Rec'd	Initial Permit	Video Review	Air Test	Manhole Inspection	Date Accepted	
Murphy's Turn				\$20,475	9/2/2015	-			8/11/2015	8/11/2015	8/17/2015		Final Inspections in Progress
Hendrix Cottages Climax Road		9/12/2016	9/19/2016		6/13/2019		5/11/2020		4/3/2020	12/18/2019	4/15/2020		
Cambridge Court Hoskins Road	9/30/2015	9/30/2016	9/30/2016		8/9/2017				10/14/2019	6/5/2019	Phase I 3/4/2020		Approved by Zoning
Highcroft Apts Powder Forest (Parcels 5 & 6)	4/10/2015			\$410,489.00 (8 Apt. Bldgs / Clubhouse)	-	10/1/2015	10/5/2015	2/23/2016	2/17/2016	1/26/2016	2/19/2016		
Highcroft Apts Powder Forest Town Homes	4/10/2015			\$196,560 (48 Townhomes)			10/5/2015		11/8/2019	6/4/2019			Next phase of Development
Meadowood													
Ridge at Talcott Mtn 200 Hopmeadow St		5/26/2016	6/8/2016	\$1,429,810 (estimated)		12/6/2017			Partially Complete	12/20/2019			

TOWN SEWER EXTENSION - PROGRESS

Request and Project Review						Design				Construction												
Initial Request		Included Addresses		Interest Card Sent		Preliminary Design/ Cost estimate	Public Hearing Date	Approved/ Denied	Project Manager	Comments	Survey	Design	ROW	Bid	Award	Begin	End	Total Cost	Comments	Bid Value	Linear FT Installed	Cost Per Linear FT
Address	Date			Date	Y	N																
Woodland Street Area	8/22/2019	22-85 Woodland Street 643 Hopmeadow Street	552-	12/19/2019	X		Design In Progress	3/12/2020	Approved													

- Comments:
1. Project has been delayed until additional easements have been executed.
 2. Project is complete.

s: WPCA / Sewer Extension Spreadsheet

Town of Simsbury

Water Pollution Control

Memorandum

To: Water Pollution Control Authority
From: Tony Piazza
Date: October 8, 2020
Re: September 2020 Summary Report

Permit Compliance: All permit requirements were met for the months of September.

Plant Operations:

We had two separate issues with our UV disinfection system during the month. The first happened when the low water safety sensor failed and caused the units to shutdown to protect the system. This resulted in approximately 30 minutes of non-disinfected water being discharged to the river. The second occurred during the bi-weekly cleaning of the system, the operator performing the work, accidentally turned off the backup UV bank. This again resulted in non-disinfected water being discharged to the river. All appropriate reports have been submitted to the State DEEP and FVHD. Staff has been reminded of the importance of following proper procedures when conducting maintenance on all systems.

Staff has started the replacement of Programmable Logic Controllers (PLC). Staff is coordinating with the computer integrator from Tighe & Bond for installation. At this time two PLC's still need to be upgraded and will be completed during October.

Staff has is continuing work with AECOM for the update of the Water Pollution Control Plan, the Water Pollution Control Facilities Plan, Analysis of the protective berm with the updated flood plain mapping, and an update on the phosphorous removal plan. AECOM engineers visited the site to perform an overall assessment for potential system upgrades.

Secondary Clarifier Launder Covers:

Staff is working with Tighe and Bond to create a bid document for the covers. It is expected to have the covers installed in the spring of 2021

Summary Data from the Monthly Operating Report

PARAMETER	UNITS	Sep-20	Aug-20	Past 6 Months
Average Daily Flow	mgd	1.75	1.59	1.83
Peak Daily flow	mgd	5.30	4.20	5.14
Total Septage Received	gallons	533,300	464,750	541,429
Population Equivalent	@0.17 lbBOD/capita/d	22,751	21,529	21,349
BOD				
Influent	mg/L	265	276	241
Final Effluent	mg/L	5	3	4
Percent Removal	%	98	99	98.29
TSS				
Influent	mg/L	364	273	287
Final Effluent	mg/L	4	3	4
Percent Removal	%	99	99	98.66
TN				
Influent	mg/L	38.0	34.1	36.6
Final Effluent	mg/L	3.3	1.8	2.6
Percent Removal	%	91	95	92.85
P				
Influent, Ortho P	mg/L	3.31	2.66	2.86
Effluent, Ortho P	mg/L	1.01	1.54	1.33
Influent, Total P	mg/L	6.28	4.17	5.02
Effluent, Total P	mg/L	1.09	1.64	1.55
Effluent, Total P	lb (46.65 lb/d TMDL)	15.86	21.75	23.55
Percent Removal	%	83	61	68.07
Aeration				
MLSS	mg/L	4150	4075	4146
SVI	ml/g	162	125	140
DO, Avg. High	mg/L	0.3	0.2	0.3
DO, Avg. Low	mg/L	0.2	0.2	0.2
F/M ratio		0.13	0.13	0.14
Organic loading	lb BOD/700 ft ³	35	33	32
Solids production	lb sltdg/lb BOD rem	0.91	1.07	1.09
Total Sludge Trucked				
	dry ton	52	60	59

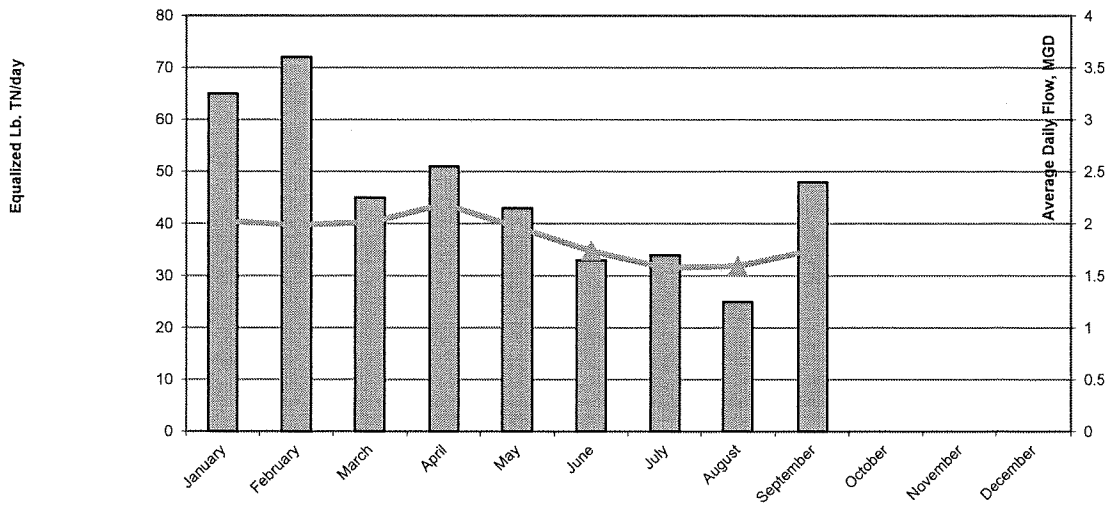
Month	Average Pounds TN/day	Excess Pounds TN/day	TN TMDL	Average Pounds Phos/day	TP TMDL	Monthly Avg Flow
January	65	-42	107	8	46.95	2.03
February	72	-35	107	27	46.95	1.99
March	45	-62	107	16	46.95	2.01
April	51	-56	107	28	46.95	2.19
May	43	-64	107	29	46.95	1.97
June	33	-74	107	33	46.95	1.74
July	34	-73	107	23	46.95	1.58
August	25	-82	107	22	46.95	1.59
September	48	-59	107	16	46.95	1.75
October		-107	107		46.95	
November		-107	107		46.95	
December		-107	107		46.95	
Annual Average to date	46	-61		22		

Estimated Annual Cost @	\$ 4.60	per equivalent lb TN/day
Amount due Simsbury	\$18,368	

TMDL	
Year	TN lb/d
2020	107

Equivalent pounds = excess x 0.18

Simsbury Effluent Total Nitrogen



**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
SEPTEMBER 10, 2020
“Subject to Vote of Approval”**

1. CALL TO ORDER

Michael Park called the regular meeting of the Water Pollution Control Authority to order at 7:30 p.m. via a virtual Zoom meeting. The following members were present: Jay Sheehan, Tom Hickey, Ed Kelly, Jacques Brignac, and Lucian Dragulski. Also present were Tony Piazza, Superintendent and Tom Fitzgerald, Clerk.

2. SAFETY BRIEF – Mr. Park gave a safety brief regarding the new Simsbury Ordinance regarding not feeding the wildlife.

3. REQUEST WAIVER – 98 COUNTY ROAD

Mr. Piazza stated that the owners at 98 County Road are looking to hook up to the sanitary sewer; they are requesting a facility connection charge waiver, citing medical issues and things of that nature. He stated that there was never a sewer assessment for this property because the sewers were installed by a developer on that portion of County Road.

Dr. Park questioned if waivers have been granted in the past. Mr. Piazza stated that he does not have any record of any facility connection charge being waived. He stated that there is an option within the State Statutes for the WPCA to offer the homeowners a payment plan.

Mr. Hickey questioned when this line was installed. Mr. Piazza stated that it was installed in the early 1980's. Mr. Brignac stated that, based on the letter, this is a hardship case and the owners may not be able to even afford a payment plan. He questioned if their septic system has failed. Mr. Piazza stated that this was not an emergency; their system has not failed.

Mr. Dragulski stated that if the WPCA approved this waiver, they will be setting a precedent. Mr. Sheehan stated that if they do not currently have a failing septic, it might be in their best interest to defer connecting to the sanitary sewer. Mr. Hickey stated that the letter sent in by the homeowner states that they have had their septic pumped twice in the last 6 months, which seems to point to a failing system.

The WPCA members discussed a possible payment plan. Mr. Piazza stated that this would be a lien on their property. He stated that they could charge the same interest rate the Town charges for assessments and could possibly amortize payments over the next ten years. Mr. Kelly stated that the WPCA should determine what exactly a hardship is in order to determine how to move forward.

Dr. Park stated that the homeowner ended the letter asking for a waiver or any counter proposal. He feels that a payment plan is fair and reasonable without setting a precedent. Mr. Hickey agreed. Mr. Kelly questioned if the homeowner has paid their property taxes and what the Tax office does, if anything, for homeowners who cannot afford their tax bills. Mr. Kelly suggested that further review into these questions take place and that the Authority revisit this issue at the next meeting. The WPCA members agreed. Mr. Piazza stated that he would relay this information to the homeowners.

4. DISCUSSION – SOLAR POWER VIRTUAL NET METERING

Mr. Piazza stated that they will be working with Titan Energy, which is a consultant that goes out and puts bids together for solar power for municipalities to do net metering. He stated that the Town is trying to get a net metering contract, either by themselves or together with other municipalities, to do a possible mass bid.

5. DISCUSSION – FEMA HAZARD MITIGATION ASSISTANCE

Mr. Piazza stated that they are looking to put in an application for the Building Resilient and Infrastructure Communities grant. Applications for this grant are due by the end of November. They will be receiving several proposals from consultants to file this application. This is for the modifications that need to be made to the protective berm that surrounds the plant. FEMA has recently changed the flood elevation of the river to an additional two feet; the protective berm needs to be raised approximately three feet in order to get the appropriate clearance for the 100 year flood plain. He stated that this would be a 75% grant with a 25% town match. He is looking for approval from the WPCA to submit the grant application, knowing that funds will need to be set aside if the grant is received. He stated that this has been in the long-term capital improvement projects as well. The Board of Selectmen would need to approve this as another part of the process.

Mr. Sheehan cautioned that the Federal Government recently passed a ruling stating that anyone who writes the grant cannot do the work.

Mr. Dragulski made a motion to submit the grant application as presented. Mr. Hickey seconded the motion, which was unanimously approved.

6. INITIAL DISCUSSION – FY 2021/22 BUDGET

Mr. Piazza stated that this will be a discussion of last year's budget, not the upcoming FY 2021/22. He stated that they are 2.5% above where they were last year. This is due to the medical insurance, sludge hauling and because the department is now fully staffed. He stated that they are approximately \$300,000 under the expected budget. The reserve fund is currently approximately \$6.5 million. If the grant is not received, the money for the berm will need to be taken out of the reserve fund as well as some upcoming major projects.

7. STATUS REPORT ON SEWER EXTENSION PROJECTS, ETC.

Mr. Piazza stated that Highcroft sewers are in place; the project will be completed once they finish the final two buildings. There are several changes to the sewer design for The Ridge at Talcott Mountain since they have taken out some of the townhomes in order to put in more apartments. This project will be completed once they finish their final four buildings.

Mr. Piazza stated that the Woodland Street project is currently in the design phase. They are hoping to put this out to bid in January for potential spring construction. The timeline will depend on what the State is doing with the bridge in front of Dyno Nobel; the State is planning on replacing this bridge. This project may be delayed because of the State's work.

8. TREATMENT FACILITY REPORT

All permit requirements were met for the months of June, July and August. Mr. Piazza stated that staff has started the replacement of Programmable Logic Controllers (PLC). Staff is coordinating with the computer integrator from Tighe & Bond for installation. At this time two PLC's still need to be upgraded. Staff is continuing work with AECOM for the update of the Water Pollution Control Plan, the Water Pollution Control Facilities Plan, Analysis of the protective berm with the updated flood plain mapping, and an update on the phosphorous removal plan. AECOM engineers visited the site to perform an overall assessment for potential system upgrades.

Mr. Piazza stated that staff has completed the installation of the new plant water system. It has been fully operational since July.

Regarding the nitrogen credit, Mr. Piazza stated that the adjusted credit for Simsbury is approximately \$23,000 for last year.

9. CORRESPONDENCE

The Authority members reviewed a letter that was sent to Nelson Construction clarifying their FCC charges, which was discussed at the last WPCA meeting, as well as a letter to Big Y Foods regarding their FCC charges.

10. JUNE MEETING MINUTES – POSSIBLE APPROVAL

Mr. Sheehan made a motion to approve the June minutes as written. Mr. Hickey seconded the motion, which was approved. Mr. Kelly abstained.

11. ADJOURN

Mr. Sheehan made a motion to adjourn the meeting at 7:35 p.m. Mr. Hickey seconded the motion, which was unanimously approved.

Michael Park, Acting Chairman