



City of Rochester, New Hampshire
PUBLIC WORKS DEPARTMENT
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MEMO PUBLIC WORKS & BUILDING COMMITTEE AGENDA

TO: PUBLIC WORKS AND BUILDINGS COMMITTEE
FROM: PETER C. NOURSE, PE
DIRECTOR OF CITY SERVICES
DATE: June 9, 2022
SUBJECT: Public Works & Buildings Committee Meeting
Meeting Date *Thursday June 16, 2022 at 7PM*

There will be a Public Works and Buildings Committee Meeting held on Thursday June 16, 2022 at 7PM. This meeting will be at City Hall in City Council Chambers

AGENDA

1. Approval of the May 19, 2022 PWC Minutes
2. Public Input
3. Pavement Moratorium Waiver 45/55 North Main
4. 536 Columbus Ave Municipal Pkg Lot Fence
5. Consumer Confidence Report (CCR) Water Quality
6. Rochester Common Bandstand
7. Katie Lane Drainage /Watershed
8. Strafford Square Bid Results & Funding
9. Other

Public Works and Buildings Committee
City Hall Council Chambers
Meeting Minutes
May 19, 2022

MEMBERS PRESENT

Councilor Donald Hamann, Chairman
Councilor Jim Gray, Vice Chairman
Councilor John LaRochelle

MEMBERS ABSENT

Councilor Steve Beaudoin

OTHERS PRESENT

Peter C. Nourse PE, Director of City Service
Lisa J. Clark, Administrative Supervisor
Dan Camara, DPW GIS
Mark Allenwood, PE, Brown& Caldwell Engineer Via MSTeams
Nicolas Dulac, 19 Lambert Court

MINUTES

Councilor Hamann called the Public Works and Building Committee to order at 7PM

1. Approval of April 21 2022 Meeting Minutes

Councilor Hamann made a motion to accept the minutes as presented. Councilor Gray seconded the motion. The motion passed unanimously.

2. Public Input

No Public Input.

3. 536 Columbus Avenue – Parking Lot Fence

Mr. Dulac spoke to the Committee. He stated that his property on Lambert Court abuts the parking lot on Columbus. He stated that the white vinyl fence most of the length of the property separating and giving privacy to his three (3) unit apartment building and about half of his parking lot. Mr. Dulac stated that the remaining length of the property that abuts the parking area has a wood fence that is easily stepped through and over by pedestrians going through his property. He explained that further down the road there is a walking path for pedestrians on City property that give access to Lambert Court. Mr Dulac stated that pedestrians are trespassing on his property and walking through his parking area, around the tenants and his own cars and stepping through the wood fence to get to Columbus Avenue. Mr. Dulac asked if the City would consider extending the fence to the end of his property line to give his property privacy and security from the people passing through. Mr. Nourse had the area displayed on the monitor. He stated it is 50 feet from the existing vinyl fence to the end of Mr. Dulacs property and 80 feet to the opening for pedestrian access to Lambert Court which would seem like the right place to end the fence. Councilor Hamann asked Mr. Dulac if extending the fence to the

walkway would be suitable. Mr. Dulac stated it would be. Councilor Gray suggest that the fence was done in this way for a reason. He suggested that the fence was placed to give privacy to the homes and consideration of the private parking lot was not considered. Councilor Hamann stated that it appeared that the vinyl fence stopped at the previously built parking area prior to the extension. Mr. Nourse stated that could be the case. The Committee discussed the issue and asked Mr. Nourse to research the history of the parking lot and fence, and they asked that Mr. Nourse provide pricing for next month's Public Works Committee Meeting.

4. Evans Road

Mr. Nourse stated that the surveys for paving preference or comments on road maintenance were send out. He stated that they were sent to nineteen abutting properties. Mr. Nourse explained that the letters were sent to the fifteen properties on Evans Road and the other four went to properties that abut Evans Road on each end, but have addresses on the other roads. Mr. Nourse stated that of the nineteen sent, we received back thirteen. He stated that ten were in favor of paving; the other three were not. He also mentioned that of the comments made, there was concern for speeding if the road was paved, and requests that if not paved if the Department of Public Works could do a better job controlling the dust. Mr. Nourse stated that if the Committee was in favor of paving the road, he could obtain budgetary pricing for the FY24 Budget as a standalone project. Councilor Gray suggested that pricing be obtained to correct all drainage issues prior to paving. The Committee discussed the costs for paving, the tax ramifications to property owners, how these funds could be used to address other areas that would impact a greater number of residents and commuters, and they discussed the many types of improvements that could be made. The Committee asked Mr. Nourse to obtain separate pricing for the various improvements discussed and to bring that back to Committee.

5. Bridge to Potters House Bakery

This issue was struck from this meeting for discussion, but left in Committee to obtain additional information

6. Wastewater Treatment Plant Biosolids

Mr. Nourse stated the original scope of this project was to construct both the Carbon Storage Facility and the Biosolids Dewatering Facility. He stated that the City Council has been briefed and kept informed about the legal issues associated with the termination of the contractor for this project. Mr. Nourse explained that the Carbon Storage Facility is required to meet the general permit requirements for nitrogen at our Wastewater Treatment Plant and the Biosolids Facility is necessary to process the waste activated sludge in the treatment train and to de-sludge the lagoons. Mr. Nourse stated that in order to comply with the Administrative Order from the EPA we started first with the Carbon Storage Facility. Per this order this facility must be up and running by October of 2022. The City entered in to a contract to complete this facility with the only other bidder for the project, Apex Construction. He stated that this portion of the project is going well and is approximately 53% complete. Mr Nourse stated that we now have a draft contract with Apex Construction to complete the Biosolids Facility that was left at approximately 70% completed by the terminated contractor. He stated there is current funding

remaining for this portion of the contract to get the project started back up, but not enough to complete the project in its entirety. Mr Nourse explained that the current contract is in the amount of two million, eight hundred and seventeen thousand, nine hundred and forty-nine dollars (\$2,817,949.00). He stated that this contract includes mechanical piping of equipment, plumbing, heating, ventilation, AC and the existing punch list items left uncompleted by the original contractor. He stated that the contract does not include the electrical work nor site work to complete the project. He stated that this work would be added at a later date as a change order. Mr. Nourse stated that the existing available funds are two million, nine hundred and ninety-seven thousand, and sixty-three dollars (\$2,997,063.00). He stated that this is enough for the current negotiated scope but a supplemental appropriation was anticipated and is necessary. Mr. Nourse stated that he has discussed this with finance and was given the approval to proceed to this Committee. He stated the balance of the project for the electrical, the site work and the engineering is estimated at two million three hundred and eighty thousand dollars (\$2,380,000.00) and he is requesting a motion for the recommendation of a supplemental appropriation in the amount of two million five hundred thousand dollars (\$2,500,000.00). He stated that this would leave some contingency should any additional problems arise. Mr. Nourse explained to the Committee that he is sensitive to the issue and he is tracking the additional cost to the City due to the termination of the previous contractor. He stated that he believes the additional cost to be approximately 18-20% and this does not include the legal fees. Councilor Hamann stated that when the issue of termination was discussed the City Council was informed of this financial concern. Mr. Nourse stated that if requested he could have the full City Council formally updated on the legal process to date. Mr. Nourse stated his request is to have the funds in place at the July City Council meeting as it will take an additional 15 months to complete the project. There was discussion of the City Council meeting process to expedite the funding. There was also discussion of PFAS and new and future environmental restrictions. Councilor Hamann suggested that Mr. Nourse review HB15-97 as it may pertain to the treatment of the sludge.

Councilor Hamann made a motion for the Committee to recommend that the Full City Council approve a supplemental appropriation in the amount of two million five hundred thousand dollars (\$2,500,000.00). The motion was seconded by Councilor Gray. The motion passed unanimously.

7. RT 202A Water line Extension Project Update

Mr. Nourse stated that work is progressing well. He stated all infrastructure has been installed on Winkley Farm Lane, including water mains, service stubs, valves and hydrants. The next work includes taking the main across 202A on to Bickford Road. Mr. Nourse stated that the estimates for the private service work are ready for distribution and the residents will be given some time to make the final decision regarding to tie in. Mr. Nourse said that the main is going in from the tank down to Bickford Road and the tank site is being prepared for Aquastore to put in the tank pedestal. He stated that the tank completion is anticipated for November and we should be supplying Winkley Farms with water by December and Fiddlehead Lane in August of 2023. Mr. Nourse stated that there are asphalt escalation and diesel escalation clauses in the construction contract, and most other City contracts. He explained that these clauses allows for the actual increases to the

cost for asphalt and/or diesel. He stated that there was contingency set up for this in the 202A contract, but he notes it may not be sufficient for the increases we are currently experiencing. Mr. Nourse stated that he believes the overall budgeted contingency will be sufficient. Mr. Nourse states he mentions this now so that he can keep this committee informed as it may have significant impacts in the City projects and the City's Pavement Rehabilitation contract. Councilor Gray asked if the FY2023 funds budgeted for Paving will be sufficient. Mr. Nourse stated this will impact how many streets we will be able to pave. Councilor Gray suggested that the Committee discuss this during the final budget meetings.

8. Other

Waste Water Effluent to the Rochester Wastewater Facility – Mr. Nourse stated that last month Councilor Gray has asked for information regarding Waste Management's discharge to the City regarding any impacts to our permit and phosphorus reduction. Mr. Nourse stated that phosphorus enters our system from many sources including human waste, detergents and corrosion inhibitors. He stated that currently the City is not regulated for phosphorus, but we do regulate our industrial users. Our limit per ordinance is 15.7 milligrams per liter. He states our anticipated limit per pending permit for phosphorus is .12 milligrams per liter. Mr. Nourse stated that our current effluent number is about twenty-five times that number on average and may go as high as sixty times that amount. Mr. Nourse states that the industrial users are required to test quarterly and we are independently testing quarterly as well. So that is eight tests per year. He stated that Waste Management sends us as much as 0.1 milligrams per liter or typically half of that amount. He stated that other industrial users send us phosphorus as well, but they are all sending less than our City regulated limit. Mr. Nourse stated that our new permit will state that we are required to update our Industrial Pretreatment Program as necessary for our facility to meet permit requirement of 0.12 milligrams per liter. Councilor Larochelle stated that if he understand this correctly, it means that the industrial users are at where they need to be and our phosphorus issue is coming from some other source. Mr. Nourse stated that Councilor Larochelle is correct. He stated we suspect that some of the phosphorus may be coming from our lagoons into our treatment process as it is run through the treatment process. He suggested the excessive sludge could be a major contributing factor and the new dewatering facility may help with this. Mr. Nourse moved on to the new nitrogen limits per the permit and the impact of industrial pretreatment users. He stated that Waste Management and all other industrial users meet our ordinance regulated limits. He state that Waste Management sends 125 to 300 milligrams per liter of total nitrogen. He stated that prior to their three million dollar investment into a reverse osmosis system they were sending us four times that amount. Mr. Nourse stated that he believes we will need to modify our industrial user ordinance to accommodate our new nitrogen permit limits.

Household Hazardous Waste Day – Mr. Nourse announced that Household Hazardous Waste Day is this upcoming weekend. He stated HHWD will be at the Waste Management Facility at the residential drop off facility on Saturday May 21, 2022 from 8:30am to 12:30pm and the residential drop off will be close for the entire day.

FY2023 Budget Excluded Issues and Options:

Mr. Nourse stated that the Committee has been informed of the conditions in the NPDES

Permit in regards staffing the Wastewater System and he hopes that they have had a chance to read the Jacobs Engineering report on the work force. Mr. Nourse stated that excluded from the City Managers budget in the Issues and Options Book is the Lead Collection System and Pump Station maintenance position. He stated this position was the starting point of implementing some of the Jacobs recommendations. He stated it was specifically related to working toward a split water & sewer maintenance system. He stated putting this off a year, pushes the implementation out another year and will increase the requests for next year as we attempt to bring this division up to industry standards. Councilor Gray suggested that the Chairman of the Public Works Committee may want to include this position for a ½ year position.

Councilor Hamann adjourned the meeting at 8:10

Minutes respectfully submitted by Lisa J. Clark, City of Rochester Administration and Utility Billing Supervisor.

DRAFT



Public Works & Buildings Committee April 21, 2016 Agenda Item

Agenda Item #3 – Columbus Avenue – parking lot expansion

Summary:

Requesting guidance on how to proceed with the proposed parking lot expansion of the City-owned lot on Columbus Avenue. It is the lot that abuts the China Palace Restaurant.

We reached out to representatives of China Palace and suggested that they attend the meeting in order to advocate for the project, as we have no money allocated to proceed with construction.

The proposed parking lot expansion went before the Planning Board on March 21, 2016 and there was a Public Hearing. The project does not require Planning Board approval, but was sent for their review and comment. Copies of the Minutes of the Planning Board Meeting are attached, along with a long history of other City meetings where discussion of the topic occurred.

Background:

In May 2015, the City Council discussed allocating \$120,000 for the construction of the parking lot expansion. It appears that \$60,000 of the funding would come from private funding from the owners of China Palace. After much discussion, the Council authorized an appropriation of \$14,000 to proceed with Final Design, with one half of the amount \$(7,000) coming from China Palace.

China Palace apparently paid their \$7,000 contribution and the City had the firm of Tighe & Bond design the expansion. The proposed design was presented at the Planning Board Meeting of March 21, 2016.

Tighe & Bond came up with a construction estimate of \$107,389, but with contingency allowances for construction and engineering inspection, the cost jumped up to about \$130,000 total.

Again, there is a detailed history provided where discussion of the project came up at either the City Council, Public Works Committee, or Planning Board.

Columbus Ave Parking Lot Improvements
OPINION OF PROBABLE COST



Date: February 16, 2016
 Plan Date: 2/17/2016
 Project: Columbus Ave Parking Lot Improvements
 Location: Rochester, NH
 T&B #: R-0301-7
 Est. By: DC

CODE	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	SUBTOTAL
2.1	SITE PREPARATION AND SAFETY					
	Mobilization/Demobilization	EA	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000
2.12	DEMOLITION					
	Clear and Grub	AC	0.40	\$ 6,500.00	\$ 2,600.00	
	Remove Individual Tree and Stump (24")	EA	1	\$ 1,000.00	\$ 1,000.00	
	Pavement Removal (3" thick)	SY	410	\$ 2.50	\$ 1,025.00	
	Fencing Removal (stockade)	LF	40	\$ 3.00	\$ 120.00	\$ 4,745
2.13	EROSION CONTROL					
	Silt Sox	LF	200	\$ 4.00	\$ 800.00	
	Silt Sack	EA	4	\$ 20.00	\$ 80.00	
	Anti-Track Pad (1200 sf)	EA	1	\$ 1,100.00	\$ 1,100.00	\$ 1,980
2.14	EARTHWORK					
	Strip and Stockpile Topsoil (6")	SY	1,900	\$ 1.50	\$ 2,850.00	
	Import Common Fill (spread/ compact)	CY	800	\$ 12.50	\$ 10,000.00	\$ 12,850
2.15	PAVEMENT					
	Saw Cut	LF	100	\$ 2.00	\$ 200.00	
	Hot Bituminous Concrete Pavement (Standard)	Ton	236	\$ 110.00	\$ 25,960.00	
	Underdrain, 6" perf., fabric (bio retention swale)	LF	80	\$ 24.00	\$ 1,920.00	
	2" Bituminous Sidewalk (6" gravel base)	SY	262	\$ 20.00	\$ 5,240.00	\$ 33,320
2.151	AGGREGATE BASE					
	Proofroll Subgrade/ Fine Grade	SY	1,050	\$ 3.00	\$ 3,150.00	
	Pipe Backfill Material	CY	18	\$ 25.00	\$ 450.00	
	Crushed Gravel Base (6" thick)	CY	175	\$ 28.00	\$ 4,900.00	
	Gravel Subbase (12" thick)	CY	350	\$ 20.00	\$ 7,000.00	\$ 15,500
2.154	PAVEMENT MARKINGS					
	Spaces	EA	32	\$ 9.50	\$ 304.00	
	Arrow	EA	2	\$ 225.00	\$ 450.00	
	Handicap Symbol	EA	2	\$ 50.00	\$ 100.00	
	Signs (directional/ small 12" x 18")	EA	8	\$ 100.00	\$ 800.00	
	Signs (large 30" x 30")	EA	1	\$ 200.00	\$ 200.00	\$ 1,854
2.172	STORM DRAINAGE					
	12" HDPE	LF	20	\$ 30.00	\$ 600.00	
	Catch basin (4' Dia., 8' Deep)	EA	1	\$ 4,000.00	\$ 4,000.00	
	Remove and Reset CB/ MH (frame/ grate)	EA	1	\$ 200.00	\$ 200.00	
	Core into Existing CB/ MH	EA	1	\$ 400.00	\$ 400.00	
	Oil/ Water Separator Hood	EA	1	\$ 300.00	\$ 300.00	\$ 5,500
2.191	LANDSCAPING					
	Trees	EA	5	\$ 300.00	\$ 1,500.00	
	Shrubs	EA	10	\$ 50.00	\$ 500.00	
	Groundcover (daylily, etc.)	EA		\$ 10.00	\$ -	
	Mulch (3" Bark)	SY	30	\$ 4.00	\$ 120.00	
	Loam/Seed (4")	SY	500	\$ 2.50	\$ 1,250.00	\$ 3,370
2.195	SITE LIGHTING					
	Light pole (30')/ Base/ Installation	EA	4	\$ 3,305.00	\$ 13,220.00	
	Conduit/Wire	LF	250	\$ 19.00	\$ 4,750.00	\$ 17,970
2.2	FENCING					
	Stockade Fence (6' High)	LF	140	\$ 25.00	\$ 3,500.00	
	Guardrail (Multi-use path)	LF	120	\$ 15.00	\$ 1,800.00	\$ 5,300
SUBTOTAL						\$ 107,389
Contingency 10%						\$ 10,739
Construction TOTAL						\$ 118,128
Add 10% for Construction Admin/Observ						\$ 11,813
CONSTRUCTION & ENGINEERING TOTAL						\$ 129,941

Exclusions:

3rd party compaction or materials testing

Assumptions:

1. This document represents an engineering opinion; preliminary quantities to be verified.
2. Power for new light poles shall be extended from existing light poles.
3. Verify invert elevation of existing drain MH and catch basin and adjust proposed catch basin invert elevation accordingly.
4. No rock excavation will be required

China Palace Parking Lot – DPW Summary as of April 11, 2016
*(Compilation of Meeting Minutes from City Council,
Planning Board or Public Works Committee)*

Planning Board Meeting - March 21, 2016

Agenda Item A. under New Applications - City of Rochester, 536 Columbus Avenue

Dave Cedarholm of Tighe & Bond presented the City project to extend the existing parking lot located on Columbus Avenue. He said the project is being subsidized by the China Palace. Mr. Cedarholm explained the plan is for an additional 16 parking spaces and bike/walking path. He said there will be a bioretention swale to help with drainage as the proposed parking lot will be level with Columbus Avenue. He went on to say they will be extending the existing vinyl stockade fence to add privacy for the abutting properties.

Mr. Sylvain opened the public hearing.

George Pelletier of 119 Walnut Street said he owns a rental property at 19 Lambert Court. Mr. Pelletier handed out a copy of the minutes from a 2007 Public Works Committee meeting. He said the original number of spaces went from 32 to 16 because Councilor Varney said the lot was too narrow to accommodate 32 parking spaces.

Mr. Pelletier said he spoke to the Planning Department in 2009 before purchasing the property and was told that lot was too narrow and there wouldn't be any further development. He said he is concerned that his tenants will be looking at a parking lot and also that his property value will decrease. Mr. Pelletier asked that the Board not move forward with this project.

There was no one further to speak. Mr. Sylvain brought the discussion back to the Board.

Mr. Willis asked who was paying for the project. Mr. Campbell said that is up to the City Council and had nothing to do with the Site Plan.

Mr. Fontneau said it's really just one abutting property that will be affected by the project. He went on to say that Columbus Avenue is a main corridor into the City and thinks it looks good with the bike path. Mr. Fontneau said he is concerned with the all green buffer being replaced with fencing and also the patrons of the restaurant and lounge that will be utilizing the parking lot leaving at 1:00 a.m.

Mr. Gray asked what the distance from the property line is. Mr. Cedarholm explained it would be a total distance of 36 feet from the property line to the edge of pavement.

Mr. Sylvain asked who would be responsible for maintaining it. Mr. Campbell said the City would be maintaining it.

Mr. Fontneau said he would like to have it staked out to see how it would look and to get a feel for it. Mr. Cedarholm reminded the Board their comments are not binding; he said it is up to the Public Works Committee and the City Council.

Mr. Sylvain told the Board they need to give their comments and they will be forwarded to the City Council.

Mr. Grassie said he thinks having access from Lambert Court would be safer than from Columbus Avenue.

Mr. Gray reminded that this is City land and the City wants to be able to use it. He went on to say the history of the land was a railroad track; saying this is an improvement.

Mr. Grassie reiterated his concern of access from Columbus Avenue, but said it would be a little safer having the access further away from South Main Street.

Mr. Sullivan questioned who determined the 16 parking spaces. He recommended looking at need instead of how many will fit. Mr. Campbell said those 16 spaces will be filled up as that area builds up. He added the City would like more spaces if they could have them.

Both Mr. Kozinski and Mr. Healey believe the fence is enough of a buffer and are in favor of the project.

Mr. Sylvain allowed the abutter to come forward and speak.

Mr. Pelletier agreed this is a City project but that it's also partial privately funded and said that's why its before the Board.

Mr. Sullivan clarified that this is a municipal parking lot and not just for the China Palace. Mr. Campbell that was correct, anyone would be able to use it.

Mr. Pelletier said there is a 2 hour time limit so believes it really won't be used for municipal parking but rather only for the restaurant. Mr. Sylvain added its 2 hour parking unless otherwise permitted.

Mr. Gray said there are a number of things in the area such as T-ball at the Commons or during parades that people will take advantage of the additional parking.

A motion was made by Mr. Healey and seconded by Mr. Willis to close the public hearing. The motion carried unanimously.

Mr. Sylvain asked the Planning Department staff to draft a letter on behalf of the Board and forward it to the City Council.

Public Works and Building Committee - October 5, 2015

Project Updates -Columbus Ave. Parking Lot – Mr. Storer stated that this project had been left for a bit but that some preliminary drawings and the survey had been completed. He stated that the Tighe & Bond Engineers had come up with two perspectives. One plan showed a total of 30 available parking spaces and the other with 36. He stated by adjusting the alignment of the parking spots they could get the additional 6 spaces. Councilor Gray asked the width of the parking spots. Mr. Storer stated they are the typical nine foot width. Mr. Storer stated that he would like input from either the Council or the property owner prior to proceeding. He stated that the project design was co-funded 50/50 with the adjacent business owner and prior to final design he would like clarification on the priority; be it aesthetics, number of spaces or cost.

Councilor Walker suggested sending it to the planning board for input. Vice Chairman Varney stated that the business owner should advocate for it at the Planning Board, but that she will need some assistance to do so. He suggested that Mr. Storer contact her.

Regular City Council Meeting - May 5, 2015

Agenda Item 12.10 AB 146 Resolution Authorizing Supplemental Appropriation to the Department of Public Works for Columbus Avenue Parking Lot Extension – First Reading, Second Reading, and Adoption

Councilor Lachapelle **MOVED** to read the resolution by title only for the first time. Councilor Walker seconded the motion. The **MOTION CARRIED** by a unanimous voice vote. Mayor Jean read the resolution by title only for the first time as follows:

That the sum of One Hundred Twenty Thousand Dollars (\$120,000.00) be, and hereby is, appropriated as a supplemental appropriation to the operating budget of the City of Rochester Department of Public Works, for the purpose of providing funds necessary to pay costs and/or expenditures with respect to the extension to the parking lot on Columbus Avenue to correct unsafe parking conditions, and provided further that funds for such supplemental appropriation shall be derived Fifty Percent (50%) or Sixty Thousand Dollars (\$60,000.00) from the General Fund Unassigned Fund Balance and Fifty Percent (50%) or Sixty Thousand Dollars (\$60,000.00) from a Private Donation from the China Palace Restaurant, Inc.

To the extent not otherwise provided for in this Resolution, the Finance Director is hereby authorized to designate and/or establish such accounts and/or account numbers as necessary to implement the transactions contemplated by this Resolution. **CC FY15 05-07 AB 146**

Mayor Jean said this project totals \$120,000 and would be used to extend the Columbus Avenue parking lot down towards Upham Street. He said 50% would be paid by the General Fund/Unassigned Fund Balance and 50% would be paid for by a private donation from the China Palace Restaurant. He added that there is currently an engineering firm working on the design and the owners of China Palace have provided 50% of the funding. Councilor Walker **MOVED** to suspend the rules and read the resolution for the second time by title only. Councilor Lachapelle seconded the motion. The **MOTION CARRIED** by a unanimous voice vote. Mayor Jean read the resolution for the second time by title only.

Councilor Larochelle questioned why the Public Works recommendation was to provide \$7,000 for engineering of the project and suddenly the entire \$60,000 resolution is being voted upon this evening. Councilor Varney said the plan is for the project to go before the Planning Board, which would give the abutters an opportunity to give input. He said as far as funding the entire project this evening; it could be postponed as long as a vote is taken on the \$7,000.

Councilor Walker **MOVED** to **ADOPT** the resolution for the second time by title only. Councilor Lachapelle seconded the motion. Councilor Larochelle **MOVED** to **AMEND** the motion to approve a Supplemental Appropriation for \$14,000, [50% General Fund/Unassigned Fund Balance] and 50% from the owners of the China Palace Restaurant for the purpose of engineering of the project. Councilor Torr seconded the motion. Councilor Keans said the only thing that was delaying this project was receiving the initial \$7,000 from the restaurant. She said now that it has been received it seems unreasonable to delay this funding any further.

Councilor Lauterborn asked what citizens or businesses would find this parking lot useful other than patrons of the China Palace Restaurant. Several Councilors felt it would result in overflow parking for events at the Common. Councilor Larochelle felt that in order to make this project geared more toward the citizens of Rochester, the parking lot should be extended further than originally planned. The **MOTION CARRIED** to **AMEND** the motion by a majority voice vote. Mayor Jean called for a vote on the motion as amended. The **MOTION CARRIED** by a unanimous voice vote.

Public Works and Building Committee - April 16, 2015

China Palace / Columbus Ave Parking Lot Extension Project Request - Mrs. Hale stated that the City had sent a letter to the China Palace owner, Stella Goon, Per the direction from the City Manager. She stated that the letter informed Mrs. Goon that in order for the City Council to discuss funding the requested parking lot extension, which includes a 50% contribution from the China Palace, we would like a financial commitment from the owner for ½ of the initial project costs. Mrs. Hale stated that the Department of Public Works had sent the letter that included a proposal from the City's consultant for the survey and design of the parking lot. The total cost of the proposal was \$14,000. Mrs. Hale further stated that the City has received a check from Mrs. Goon in the amount of \$7,000 and if the City would like to proceed with this project we will now need to appropriate our \$7,000 to get started. Chairman Torr asked how far that would the funds get the project. Mrs. Hale stated that would get us through bidding. Councilor Varney asked if the \$7,000 was appropriated now and the construction funds were appropriated with the FY2016 CIP; how soon we could be constructing. Mrs. Hale stated that if all went well, we could be constructing in October. Chairman Torr asked if the construction staging area for the project going on in that area would need to be moved. Mrs. Hale stated that some of the materials located there may need to be moved. Mr. Fitzpatrick stated that the funds might be available within budget to get this started should the full Council approve.

Councilor Varney made a motion to have the City Council enter into an agreement with business owner for the joint project and to fund the \$7,000 to get started on the survey and design. The motion was seconded by Councilor Haman. The Motion passed unanimously.

Regular City Council Meeting April 7, 2015

Committee Updates, Public Works Committee - Councilor Varney said the Committee is waiting to hear back from the owners of the China Palace about the proposed China Palace/Columbus Avenue Parking Lot Extension Project Request.

Public Works and Building Committee March 19, 2015

China Palace / Columbus Ave Parking Lot Extension Project Request Mrs. Hale stated that the DPW sent the letter and engineering proposal to the China Palace owner as requested. Mrs. Hale stated that the letter asked that Mrs. Goon submit a check for half of the costs of the consultant proposal and a planning project application to the City. Once received then the City Council can discuss approval and funding of the parking lot extension. Councilor Walker asked the cost of the consultant proposal. Mrs. Hale stated \$14,000. Councilor Keans asked why the need for engineering when this is just an extension. Mrs. Hale stated that there is drainage and boundary concerns, and bid documents will be necessary. She stated that this proposal will take them through the bidding phase of the project. Councilor Varney stated that the ball is now in Mrs. Goon's court.

Public Works and Building Committee February 19, 2015

China Palace / Columbus Ave Parking Lot Extension Project Request - Mr. Pelletier, owner of 19 Lambert Court stated that he had received a letter from the DPW stating that this parking lot was being considered for expansion. He stated that he would like to see a copy of a plan to determine how the expansion would affect his property. Mrs. Hale

stated that the only plan available is the previous conceptual design plan that was completed by Norway Plains & Associates in 2008. She further stated that to her knowledge that the existing parking lot was completed using this conceptual design and that the scope was reduced to eliminate conflicts with the abutters. Chairman Torr asked how many additional spaces might be added. Mrs. Hale estimated 15 spaces. Mr. Nourse stated that this project was brought to us a few months back at the request of the China Palace owner. He further stated that the City Manager had directed the DPW staff to send out letters to the Lambert Court abutters to notify them that this topic was on this evening's agenda. Chairman Torr asked for an estimated cost to extend the parking lot. Mr. Nourse stated that he does not have the information necessary to give a firm engineers estimate but he stated that it is approximately \$118,000. He further stated that in order to give a good number a preliminary design would need to be done by contracted engineers. This would include survey for existing conditions. Mr. Fitzpatrick asked for an estimate of the cost for a preliminary design. Mrs. Hale stated that it would be approximately \$5000 to \$7500. Councilor Varney suggested that the China Palace submit an application for site plan review. He stated that the project would then be assigned a project number and it would follow the planning process with abutter notifications. Councilor Walker stated that if it is a City Project it wouldn't need to go through that process, but where this is would be a co-funded he too would advise that it follow this process. Mr. Fitzpatrick stated that the City would need a commitment from the China Palace owner. He asked that City Staff obtain the necessary proposal from an engineering firm and then create an invoice for fifty percent of that cost. He stated he would have the proposal mailed to China Palace with an invoice for the fifty percent share and an application for site plan review. Once the City has received a check and a completed application back from the China Palace then the Committee can decide to recommend that the Council take action and fund the other fifty percent of the preliminary design. Phillip Tewell of 540 Portland Street spoke. Mr. Tewell stated that he was here with the owner of the China Palace who would be happy to answer any questions. Mrs. Stella Goon, owner of the China Palace addressed the committee. She stated that she is a long time business owner in Rochester and she is very concerned with the safety of her patrons. She stated that she sees her patrons parking in Walgreens and walking across four lanes of traffic to come in. Mrs. Goon stated that she is willing to commit to this project. She stated she would pay for the fifty percent of the preliminary design.

Public Works and Building Committee January 15, 2015

Columbus Avenue / China Palace Parking Lot extension Mr. Nourse stated that he has asked Tighe and Bond Engineers for a cost estimate to build the parking lot extension requested by the China Palace. He stated that the estimate was \$117,000. Councilor Varney stated that when this parking lot was proposed previously it was determined that the property was too narrow to accommodate the additional spaces. Councilor Walker asked how much money the China Palace is willing to contribute. Mr. Nourse stated that he has been told 50%. Councilor Varney suggested that the abutters be notified of project proposed and he further suggested a written commitment letter from the owners of the China Palace be obtained. Mr. Nourse suggested that the China Palace start by paying the design cost. Mr. Fitzpatrick agreed that this would be a good idea. Councilor Keans asked if the Service Credit Union had to pay for the parking lot on the other end of Columbus Avenue. She stated that this business should be given the same considerations at they were. Councilor Varney suggested keeping this in committee and notifying the abutters that there will be discussion at the next Public Work Committee Meeting if they were interested in attending.

Public Works and Building Committee December 19, 2014

Columbus Ave - China Palace Parking Lot Mr. Steele (Bob Steele) addressed the committee and stated that he was here to discuss agenda item #7. Vice Chair Varney asked if anyone objected to a moving this issue up on the agenda. There were no objections. Mr. Steele stated that he was asked by Mrs. Goon, the owner of the China Palace Restaurant, to advocate for her. Mr. Steele stated that this restaurant is a long time business in the City. He stated that several years ago Mrs. Goon approached the City with a parking lot design that included approximately 30 parking spots. He stated that he remembered it to be somewhat controversial and that there were issues with abutters that resulted in a 6 foot fence and though he was unsure of the reason the size of the lot was reduced to 15 spots. He further stated that when Mrs. Goon originally approached the City to build the parking lot her plan was to participate in the cost. Due to the controversy and the subsequent changes of the plan, she did not end up contributing. Mr. Steele stated that Mrs. Goon is interested in having the lot extended to the full extent of the original plan. Mr. Steele stated that Mrs. Goon is again offering to participate in the cost as there is a real need for parking for her patrons. Mr. Steele stated that the original conceptual plan was completed by Art Nickless at Norway Plains. Mr. Steele stated he was able to get a copy of that plan and he can provide it to the City Manager. Mr. Steele stated that a portion of this area is now being used as a staging area for SUR and he questioned if SUR would be able to so some of the initial site work to compensate the City for use of that property. Mr. Nourse stated that SUR is using the staging area as part of the contract for the Catherine Street I/I project and the stipulations for the use and the restoration of the space are already in place. Councilor Keans stated that she has seen people using the bank parking lot and crossing four lanes of roadway to get to the China Palace.

Councilor's Walker and Haman both agreed to the need for additional parking, but suggested that there be a documented agreement for payment participation. Councilor Varney suggest that a deposit be received. Councilor Varney asked that Mr. Fitzpatrick gather all necessary information regarding the previous project and an estimated cost for the expansion and report back to the committee next month.

Regular City Council Meeting April 2, 2013

Committee Updates, Public Works and Buildings Committee- Councilor Torr said the owners of China Palace are seeking to extend the municipal parking lot on Columbus Avenue. Councilor Walker **MOVED** to **DENY** the request to extend the municipal parking lot on Columbus Avenue. Councilor Keans seconded the motion. The **MOTION CARRIED** by a unanimous voice vote.

Public Works and Buildings Committee March 21, 2013

Columbus Ave / China Palace Parking lot expansion - Mr. Nourse stated that he had received a memo from the Economic Developer. He stated that he would answer any questions that the Committee had, but they had received the same memo that he did. Councilor Keans stated that when previous plans were submitted for the larger parking lot, the City Council had denied them because that parcel is very narrow and this would put parking up close to the property line of the residents on Lambert Court. Councilor Walker and Councilor Keans both stated that there is sufficient parking in the area of the China Palace.

Councilor Walker made a motion to recommend the full Council not consider any additional parking at this location. Councilor Varney seconded the motion. The motion passed unanimously.

Public Works and Building Committee August 16, 2007

China Palace Parking Lot - Chairman Torr asked the City Manager to describe the status of this issue. Mr. Scruton stated that he had attempted to contact Jason Goon several times and had not spoken to him as yet. Mr. Scruton said he did speak to Stella Goon and she referred him to Jason. Mr. Scruton stated in addition to trying to call Mr. Goon, he had sent a letter to the Rye Trust in Canton MA. Rye Trust owns the adjoining Dunkin Donuts property. Councilor Keans suggested that someone should facilitate communications between the China Palace and Dunkin Donuts. Councilor Torr stated that whatever happens, it is too dangerous and it is too messy to leave the area the way it is. John Scruton explained that the corner area nearest the crosswalk was part of the new planned design and that when it re-opened it was landscaped according to that plan. He stated that he and the commissioner had discussed this area as the most dangerous portion for parking in. Mr. Scruton stated that as the South Main Street project progresses; this area will eventually have curbing and would not allow for the parking as they are now using it. Mr. Scruton stated that he and the Commissioner will be taking steps to establish that curb very soon. Councilor Keans suggested that they speak to Mr. Goon first. Councilor Keans stated that she believes we should deal fairly with Mr. Goon. She said she believes promises were made to this business owner and that all of the confusion is not his fault. Councilor Keans also stated that Mr. Goon thought he had a deal with the City. Councilor Grassie stated that he should have held to his original plan on the size of the parking lot. A lengthy discussion ensued about the different number of parking spaces. Mayor Larochelle questioned if there was a need for overflow parking at the Commons. Councilor Keans stated that 2 or 3 times a year there is a problem at the Commons. She said she does not believe that this would justify parking on Columbus Ave. all the way to Upham Street. Councilor Walker stated that the original plan for 18 spaces would have passed, however Mr. Goon kept increasing the number of spots. Chairman Torr asked the committee for suggestions that could be completed now. Mr. Scruton stated that he did plan on making contact with Mr. Goon prior to establishing the corner boundary. Councilor Grassie asked if rocks or posts would be used on that corner temporarily. Commissioner Esterberg stated that we would use posts; it would be easier for installation and removal. Chairman Torr then asked for a motion regarding the issue.

Councilor Grassie motioned to table the China Palace Parking lot discussion for a later date; the motion was seconded by Councilor Healey, and passed unanimously.

Special City Council Meeting June 12, 2007

Resolution Authorizing City Manager to Enter into Agreement with China Palace Restaurant Owner(s) Regarding Construction of City Parking Lot - Councilor Walker **MOVED** to adopt the Resolution Authorizing the City Manager to Enter into Agreement with the China Palace Restaurant Owner(s) Regarding Construction of a City Parking Lot. Councilor Healey seconded the motion.

RESOLUTION AUTHORIZING CITY MANAGER TO ENTER INTO AGREEMENT WITH CHINA PALACE RESTAURANT OWNER(S) REGARDING CONSTRUCTION OF CITY PARKING LOT

**BE IT RESOLVED BY THE MAYOR AND THE CITY COUNCIL OF THE CITY OF ROCHESTER, AS
FOLLOWS:**

That the City Manager be, and hereby is, authorized to enter into an agreement with the owner (s) of the property on which the so-called China Palace restaurant is located in the vicinity of the intersection of South Main Street and Columbus Avenue, for the construction of a public parking facility on City land formerly used as, or located in the vicinity of, the former railroad right-of-way, upon such terms and conditions as the City Manager deems to be in the best interests of the City of Rochester, provided, however, that such agreement shall, at a minimum, provide (1) that the entire cost of such public parking facility shall be paid for, in its entirety, by the aforesaid owner(s) of the property on which the so-called China Palace restaurant is located; and (2) that when constructed said parking facility shall be under the control of, and shall be maintained by, the City. Further, the City Manager is authorized in implementing this resolution to enter into such contracts and/or additional agreements and/or to execute such related documents as are necessary to effectuate the purposes of this resolution.

Councilor Walker **MOVED** to **AMEND** the resolution to include the removing of 5 parking spaces, slide the parking lot North, and to reconfigure the bike path in order not to cut “any” of the lilac bushes. Councilor Healey seconded the motion. Councilor Healey provided the Council with an updated draft copy of what the parking lot would look like with only 15 parking spaces, sliding the entrance north, and reconfiguring the bike path to avoid the lilac bushes. [See Council Packet]

Councilor Lundborn understood the predicament of the China Palace owners. He said it was unfortunate, but he did not feel the parking lot gained any support from the community, other than the members of the Chamber of Commerce and some members of the Conservation Commission. The City had an opportunity to have a greenway into the City. He said that he would vote in favor of the amendment, however, he would vote against the adoption of the China Palace Resolution. Councilor Stanley wished to know if having only 15 parking spaces left would be adequate parking. Council did not allow for the owners to answer the question.

City Manager Scruton cautioned the Council that refraining from cutting “any” lilac bushes was a difficult task for such a proliferating bush. He added that depending on where the entrance would be moved to, it could result in the loss of a maple tree. Council discussed how to contrive the entrance to avoid cutting any trees or bushes.

Councilor Lauterborn reminded the Council of the Service Credit Union/City Parking Lot not far from the China Palace. Several Councilors felt it was a further walk for the China Palace patrons and voiced concern regarding the patrons continuously crossing the dangerous intersection at Columbus Avenue.

Council discussed the China Palace owner’s generosity in paying the full amount of the parking lot, which would also benefit the City with the walk/bike path. Councilor Torr stated that he would vote against the parking lot. He asked if the owners would still be willing to pay for the parking lot with what seems to be an ever-increasing price. He added that unless the Council reduced the number of parking spaces allotted down to 12 parking spaces he would vote against the amendment. Councilor Keans was not sure if 15 parking spaces was the right amount, however, it is a compromise. She stated that the current situation has caused disruption on the grass with tractor-trailers and other activity. Councilor Lindsay stated that he would vote against the amendment. He said it is absurd to move the entrance north; it will only make traffic chaotic near the intersection. The **MOTION** to **AMEND** the resolution **CARRIED** by a show of hands vote of 8 to 4.

Councilor Varney **MOVED** to **AMEND** the Resolution: requiring sloped curbs to the entrance/exit, extend the fence completely across the back-side of the Dunkin Donuts parking lot, require a two-hour parking limit, and close the parking lot at 10:00 PM weekdays/12:00 AM weekends (when the China Palace closes). Councilor Healey seconded the motion.

Councilor Keans stated that the construction of a fence was a key issue to the abutters and their input was necessary. There is a 9-foot gap that concerns the residents for different reasons. She added that in all fairness to the residents of Lambert Court; the City could at least fix the road that has many potholes, and turn-off the lights in the parking lot when the China Palace closes its doors.

Councilor Stanley **MOVED** to adopt the recommendations of the Planning Board with revisions. City Manager Scruton advised the Council of several issues that may be problematic; restaurants tend to allow customers to finish eating and conversations before closing, a high stockade fence behind the Dunkin Donuts parking lot might not be appreciated, and the last house on Lambert Court might not want the fence installed. He said these issues should be discussed with the

residents of Lambert Court. Councilor Stanley **WITHDREW** her motion until after Councilor Varney's amendment had been voted upon.

Councilor Lauterborn was confused as to why the Council was continuing with a vote after listening to the many concerns the City Manager brought to the Council's attention. Councilor Varney retorted that the parking lot limitations would only affect people who were loitering. He defended the need for the fence. Councilor Healey **MOVED** to **AMEND** the amendment to negotiate and reduce the high stockade fence to a 4-foot high fence as shown on the drawing that he provided to the Council. *No second to the motion.*

Councilor Keans opined that it should be the homeowners that should negotiate the construction of the fence. Councilor Torr was frustrated with the idea of building a parking lot beside a highway. Council debated the distance matching that of the Service Credit Union parking lot. It was clarified that the Credit Union was quite a distance further and that the Service Credit Union parking lot was used all hours of the night. The **MOTION** to **AMEND** the Resolution **CARRIED** by a show of hand vote of 7 to 5.

Councilor Stanley **MOVED** to **AMEND** the Resolution to adopt the original 19 points agreed upon by the Planning Board/Lambert Court residents as revised: point four should change the words "should be explored" to "will be required", point fourteen should change the word "suggested" to "it is required", eliminate points fifteen and sixteen. Councilor Grassie seconded the motion. Councilor Varney said some of the points no longer apply. Councilor Stanley **MOVED** to **AMEND** her motion to eliminate point one. *No one seconded the motion.*

Councilor Lundborn requested the City Manager or Clerk's Office should compile a list of all amendments to ensure they are completed prior to paving. City Manager Scruton replied that the Clerk's Office would supply a copy reflecting changes in the minutes. Councilor Varney stated it would be appropriate to generate a Notice of Decision summary on one piece of paper. Councilor Lauterborn suggested in the event that the parking lot does not pass, the City should place some kind of boundary to stop the vehicles that are presently parking on the grass. The **MOTION** to **AMEND** the Resolution to include the revised points by Councilor Stanley **CARRIED** by a show of hands vote of 9 to 3. [Amendment is as follows: to adopt the original 19 points agreed upon by the Planning Board/Lambert Court residents as revised: point four should change the words "should be explored" to "will be required", point fourteen should change the word "suggested" to "it is required", eliminate points fifteen and sixteen. *An addendum with all changes to the Resolution can be found in the Council Packet.*

Councilor Grassie stated that this land was intended to be a gateway into the City of Rochester with a bike path. He believed that the City received a Federal grant for the funding of a bike path. He said the Planning Department should have been more diligent in assuring the adequate parking spaces needed for the restaurant. He added that the design was not safe and he would vote against the adoption. City Manager Scruton said his understanding is that there is no funding available for the bike trail. He informed the Council that the Resolution for the land dated November 14, 2006, specifically listed parking as an option. He added that the Council could unseal the minutes of the Non-Public Session. Councilor Keans stated that the China Palace renovation never needed to go before the Planning Board originally, because the restaurant resides in the Special Downtown District. It was approved administratively. She suggested that the City should at least fix the street for Lambert Court in this year's budget. The **MOTION** to **ADOPT** the Resolution **CARRIED** by a roll call vote of 7 to 5. Councilors Healey, Varney, Lachapelle, Stanley, Walker, Keans, and Mayor Larochelle voted in favor of the Resolution as amended. Councilors Lauterborn, Lindsey, Torr, Lundborn, and Grassie voted against the motion.

Presumably this is Addendum Piece to Council Meeting

The following list is amended from the original 19 points referred from the public input received at the Planning Board public hearing held on this proposal on June 4, 2007. The Resolution regarding the **City of Rochester/China Palace Restaurant, Columbus Avenue** has been accepted and the following set of 23 comments/recommendations represents those original 19 points as amended by the City Council at its June 12, 2007, Special City Council Meeting.

1. All five abutters on Lambert Court which back onto this project expressed significant concerns; providing optimal buffering for those properties is important – Already done
2. Five spaces will be cut from the plan, away from those abutting properties on Lambert Court which are closest to the site (resulting in 15 spaces total)
3. All reasonable efforts should be made to preserve existing vegetation – both trees and shrubs – buffering Lambert Court
4. Installation of additional landscaping adjacent to the Lambert Court properties will be required.

5. Submit drainage and grading plan to the Public Works and Planning Departments for their comments
6. Submit a landscaping plan to the Planning Department for non-binding comments
7. It is recommended that the landscaping plan include additional shade trees in the front median, consistent with those already in place
8. Submit a lighting plan to the Planning Department in accordance with the lighting regulations, ensuring that light will not cause glare or trespass onto Lambert Court properties
9. Show handicap parking spaces
10. Submit a signage plan to the Public Works and Planning Departments for their comments
11. Consider relocation of the path to the rear of the parking area in order to create more separation between the parking and the houses on Lambert Court
12. Whether or not the path is relocated it should remain as a separate pathway rather than having the parking lot driveway also serve as the path; appropriate greenspace should be used to separate the path from the parking area rather than it butting directly to the parking area
13. Examine the fence design carefully in terms of height, style, and location in order to optimally buffer the residents of Lambert Court; a six or even seven foot vinyl stockade fence appears to appropriate
14. Norway Plains must meet on site with residents of Lambert Court to negotiate the location for the fence once the project is underway.
15. A barrier – such as rocks or another natural type material (not bollards) - should be installed along Columbus Avenue, on this side of the street at appropriate locations, to prevent vehicles from parking in the shoulder
16. Remove all Japanese Knotweed on the site; once removed it will be the responsibility of the City to prevent its re-establishment
17. It is our understanding that the small rear parking area on the China Palace site, accessed off Columbus Avenue, will be paved during this same construction season and that this parking area should be reserved for employees and deliveries only
18. Slide the entrance North the five spaces that were further eliminated by Council June 12, 2007
19. Reconfigure Bike Path to protect all lilac bushes
20. Parking hours stipulated to be through 10 PM on weeknights and 12 AM on weekends
21. Slope the curb at the entrance and exit
22. Extend the fence completely across the back of the Dunkin Donuts parking lot
23. Two-hour parking

Planning Board Meeting-June 4, 2007

City of Rochester/China Palace Restaurant, Columbus Avenue – former railroad right of way (by Norway Plains Associates) between Upham and South Main Streets. 31 space parking lot and bicycle path to be developed by China Palace Restaurant. Governmental land use under RSA 674:54. Case #125-151-B2-07

Bob Steele, former Rochester City Manager, and operator of a small business named Steel and Son, stated he became involved with this on his last term as City Manager. He considers this area to be one of the Gateways to the City. He gave some background of the area, which included the Service Credit Union/City parking area, owner of the old railroad bed, the proposed bike path, and other items. He stated when he left the City he assured the owners of China Palace he would continue this project. He stated he assisted John Scruton, City Manager, in enabling the City to acquire a deed for that railroad right-of-way from the Department of Transportation. The City now has the deed to that property. The City owns and would continue to own the property. China Palace would not have the exclusive use of the property; it would be a public parking lot. China Palace would be incurring all of the expense to build the parking lot, to pave the walkway and provide the landscaping that is necessary all the way from the restaurant to Upham Street.

Art Nickless, Norway Plains Associates, stated they are looking for everyone's comments. He discussed the plans that were being viewed on the screen which included preserving some of the trees, the grass strip, a bike path, the parking area, a stockade fence along the parking area, a separate exit and entrance, and buffering for the neighbors.

Mr. Behrendt stated this is a governmental project under RSA 674:54. This is before the Board for non-binding comments to the City Council. He stated he believes this is a terrific project and great for Rochester. He stated Staff has recommended to the Board to make non-binding comments to the City Council including the 8 items that are in the Staff recommendations, and to include re-grading. He also discussed other items.

Board members and Mr. Nickless discussed the angle of the exit, landscaping, keeping big trucks from parking there, potential accident area, moving the bike path, buffer for the abutters, the green strip, and the entrance behind the China Palace for deliveries.

Ms. Desjardins opened the Public Hearing.

Monique Brown, spoke on behalf of her father, O'Neil Michaud, Lambert Court, who has lived there for 46 years. She stated their concerns are for the resale of their property in years to come, parking, and other issues.

Dean Anderson, Lambert Court, spoke of the intent of a bike path, green space, and other issues. He stated he thought the land was not going to be used as a parking lot. He also thought it was poor planning on the part of China Palace. He discussed some safety issues, traffic impact study, the responsibility of maintenance, parking enforcement policy, and liabilities to the Cities. He stated he thought a 4-foot fence would be inappropriate. He stated he thought benches and green space would be better for that area.

Attorney Jim Schulte, representing Claire McGarghan and her family, who own 19 Lambert Court stated that property has been in their family since 1936. They are concerned with the size and impact of the parking lot, and stated the impetus for this parking lot was for the China Palace. He stated 95 percent of the proposed parking lot is in the R2 zone. He stated if China Palace owned that lot and wanted to put a parking lot there they could not do it because you cannot have a restaurant parking lot in a residential zone. He discussed the removal of mature vegetation, impervious surface, and other issues. He discussed the possibility of moving the lot 8 to 10 feet farther north, parallel parking instead of vertical, noise and alcohol use from the people in the parking lot, and minimizing the parking lot.

Jason Morin, 15 Lambert Court, stated he would like to see the lot reconfigured, and stated there should have been a set requirement for parking when the restaurant was approved. He discussed the R2/B2 zone, and who would be responsible for liability; the City or China Palace. He thought China Palace should renegotiate with Dunkin Donuts for using their parking area. He also stated abutters would be losing value to their homes.

Karen, Claire, and Gary McGarghan, 19 Lambert Court gave some history of their family's property. They all agreed the Board should do a site walk of the area. They are concerned with the impact on the property, trees, vegetation, and other issues.

Mr. Morin also stated he is concerned with the noise the motorcycles would generate, rezoning ordinance, and the R2 zone.

Ms. Brown suggested asking Dunkin Donuts and Walgreen's for parking privileges.

A motion was made by Mr. Dews and seconded by Mr. Graham to close the Public Hearing. Motion carried unanimously.

Ms. Desjardins stated the Public Hearing has been closed, the Board could not hear any more comments or information from the public. The only ones that could speak to the Board would be the developers of the project. She stated this would be going to the City Council and they in turn would consider the Boards comments and recommendations. She encouraged the public to go to the City Council meeting and voice their concerns to them.

Ms. Desjardins reiterated the 8 concerns that were discussed which were 1. creating a safety hazard, 2. affect on the abutters home value, 3. is this an after thought because of the renovations to China Palace, 4. who would be responsible for the upkeep, 5. how does the exposure impact the City if something happens in that area, 6. signage for China Palace for employee's delivery only, 7 - 8. lights for the parking area, and another concern that one parking space would be in the B2 zone and the rest would be in the R2 zone.

Mr. Steele stated he believes the deed from DOT to the City has a reverter in it that says if they ever need that land for a railroad again or any other type of transportation it would be used for that purpose.

Ms. Desjardins stated at any time in the future if the State wants to take that back they could. Mr. Steele replied that is the railroad property.

Mr. Steele stated the China Palace has been operating over 40 years. He stated China Palace did not expand their business they in fact cut down their seating by 10. He explained the City's zoning ordinance states businesses in the downtown districts are exempt from any normal parking requirements that would be imposed on an establishment outside of that downtown district.

Board members discussed reducing the parking to 18 to 20 spaces, striping the bike path, lighting, 6 to 7 foot vinyl fence, adding more trees, moving the parking lot away from the abutters, negotiating a parking lease with Dunkin Donuts, the rights of the people, buffering, maintaining the lot, and other issues.

Mr. Nickless stated he assumes the City Council or Public Works would dictate the type of light that would be put in. He discussed the different types of lights and where they may be installed.

Mr. Powers stated he would recommend keeping the plan as it is. He is concerned with the safety issue with a striped bike path. He also stated he would recommend putting in large rocks or something like that instead of bollards to keep the tractor trailers from parking there. He highly recommended a vinyl fence over a wooden one. He also recommended more landscaping in the green space.

Mr. Nickless stated he understands in the agreement, once the parking is completed, the City would maintain all of it. He stated under the present scenario the vegetation along the McGarghan's lot would be eliminated. He stated they would consider alterations that would allow that existing vegetation that is there to remain there, and maybe that means eliminating some spaces. He stated he would have someone in his office revise these plans for the City Council to review at tomorrow's meeting.

Ms. Desjardins stated to Mr. Nickless to add information to find out from the City Council how clear signage is going to be. She stated she personally would like to see this cut down to 18-20 parking spaces, keeping the bike path as it was originally intended to be, and try to save the vegetation if possible. She stated signage for China Palace's "specific" parking area should be clear and that patrons are not to park there, that area would be for employees and deliveries only.

Mr. Nickless discussed the signage issue.

Mr. Behrendt discussed the path, green space between the path and the parking lot, and to show a grading on the plan. He asked the Chair if she would like him to write up some formal comments.

Ms. Desjardins stated she would like interpretations from Mr. Nickless and Mr. Behrendt so there would be two separate entities.

Ms. Desjardins stated this is a courtesy for the Board to take a look at least to have some input into some possible changes. This is the first time for the Board to have some input into a City project.

Mr. Nickless stated all the Council is doing is to decide if they want to do this or not. There are still a lot of things to do.

Sandra Keans, City Council member, stated there is one issue that has not been brought up and that is the location of the fence.

Ms. Desjardins stated the Board has not gotten that far as yet to give non-binding recommendations to Mr. Nickless to present to the Council.

Mr. Nickless discussed the fence.

Board members discussed reducing the number of spaces, keeping as much vegetation as possible, and other issues.

Mr. Nickless discussed reducing the number of spaces, location of parking and the bike path, appropriate signage, vinyl fencing, placing of lights, landscaping, keeping the original proposed bike path, and other issues.

Mr. Behrendt discussed the buffer, safety, City being exempt from zoning, submitting drainage and landscaping plans, removal of invasive vegetation, paving, and curbing.

Ms. Desjardins stated she would like Mr. Behrendt to email the comments to the Board to take a look at before submitting those comments to the Council.

Public Works and Building Committee May 10, 2007

China Palace Parking Lot - City Manager John Scruton discussed the turn lane that exists now on Columbus Avenue. He stated that it made sense to line up the driveway with the one that already exists for Kentucky Fried Chicken. Councilor Walker wanted him to explain why. Mr. Scruton said that vehicles will be hanging out waiting to turn left, it makes sense to sit out of traffic and turn in. Councilor Healey asked the question are there arrows there now? Councilor Keans stated that she did not know if there are arrows, but it is a turning lane and that there is no turning lane at Jimmie Jones. Mr. Scruton said it makes sense to make the turning lane perpendicular. Ms. Esterberg said that there should be a wooden guardrail by the parking lot, similar to what is at the Commons. Councilor Torr wanted to know if there was a cost estimate. Mr. Scruton said no, but it would not be cheap. Councilor Healey said this should not be done without a cost estimate. Councilor Torr wanted to know who would be plowing the parking lot. Mr. Scruton said the City should plow for liabilities reasons. Mr. Scruton said the two main items for the China Palace parking lot is the entrance and if the city is maintaining the parking lot once it is built. Mr. Scruton said we are trying to encourage people to visit downtown. Councilor Keans suggested let them build the parking lot and let them pay over a 3-year period, she said it is a family run business and we should work with the people. Councilor Torr asked if there would still be a bicycle path. Mr. Scruton said yes. Ms. Esterberg said the pavement would cost around \$150,000 or more. Councilor Torr said what would happen if they can't pay \$300,000 which is the rough estimate of everything. Mr. Scruton said they will have to stop parking there. Councilor Torr wanted to know at the entranceway how long to drive in. Mr. Scruton said about 60-80 feet. Ms. Esterberg said the parking lot would be 35x480 feet. Mr. Scruton said the next step would be sending this to the planning board, and then it could go to the June workshop. If they get the go ahead in June should be done by wintertime.

Regular City Council Meeting May 1, 2007

China Palace Parking Lot - Councilor Torr stated that the Public Works Committee would consider the proposed changes to the China Palace parking lot on Columbus Avenue. This item has been held in Committee.

Councilor Lauterborn reminded Council that the residents were promised the opportunity to speak at a public hearing regarding this issue. Council debated if the Public Works Committee or the Planning Board would hold a public hearing on this issue. Council discussed the lack of approval on the expansion of this parking lot. Councilor Varney questioned if the City Manager had intended this item to go to the Planning Board for a non-binding review. City Manager Scruton agreed. He briefly explained the current plan. Councilor Varney suggested the abutters be notified by mail regarding public hearings at the Planning Board level. City Manager Scruton noted that this item is dependent upon the owners of China Palace getting the plans to the Committee.

Public Works and Building Committee April 19, 2007

Columbus Avenue Parking Lot – China Palace - Commissioner Esterberg presented a revised plan that she had received from Mr. Steele. The plan was the latest version. It showed approximately 30 parking spaces with a one-way traffic design. The exit onto Columbus Avenue was designed to have curbing at an extreme angle to prevent cars exiting and making a left turn across travel lanes to go south. Mr. Steele stated that the new plan was the 3rd such plan given to council. He stated that he had tried to incorporate all of the feedback that he had previously heard from council. Mr. Steele stated that the China Palace owner is willing to pay for all of the costs associated with this parking area. The Commissioner asked Mr. Steele who would be responsible for maintaining the parking lot once built. Mr. Steele stated that this was probably negotiable as well. Councilor Keans stated that of the three plans, this was probably the best one. Councilor Healey suggested that southbound traffic on Columbus Avenue, that would be trying to cross travel lanes to get into the parking lot, would create a dangerous situation. Councilor Grassie suggested that this parking lot entrance be off of Lambert Court. Councilor Keans stated she did not want to upset the residents of Lambert Court any more than they have to. Councilor Keans stated they should use the same extreme angle type entrance to discourage the southbound traffic from turning into the parking lot. She further stated people would have to plan their trip to be traveling north to enter the parking lot. Councilor Walker stated that they would be doing "U" turns at Upham Street. After lengthy discussion by group, Chairman Torr asked each individual to express their opinion. Councilor Varney stated the extreme angled entrance and exit sounded like a good idea. Councilor Walker stated that he still felt that 30 parking spaces was too many. Mayor Larochelle stated that he thinks the number of spaces is appropriate. Councilor Healey agreed that the number of spaces is good. Councilor Keans asked Mr. Steele who would be maintaining the fence. Mr. Steele stated that, if necessary, the China Palace would maintain the fencing. Mr. Scruton stated that as the plantings grow there might be less of a need for fencing. Chairman Torr suggested that the fencing be vinyl fencing. Mr. Willis stated that the fence was approximately 360 feet long. Chairman Torr said that it is very costly, but well worth it

to go with the vinyl. Councilor Keans stated that a six-foot fence would be appropriate, she believe that an eight-foot fence would be too much. Councilor Grassie stated that he was still concerned that traffic would be doing the U turns on Upham Street. Councilor Healey stated that is an enforcement issue. He suggested adedicated patrol when parking lot opens, to prevent the illegal turning into the parking lot and to watch for the U turns at Upham Street and Kentucky Fried Chicken. Commissioner Esterberg stated that she would like the China Palace to be responsible for plowing, and the city would do the sweeping. Chairman Torr asked the group for a recommendation for full council.

Councilor Healey recommended making a motion to recommend that the city council accept the parking lot plans with the following conditions; the bicycle path shall be constructed to follow through as planned, the entrance and exit of parking lot shall have the extreme angles, to restrict inappropriate turning, a 6 foot vinyl fence will be in place, landscaping and winter maintenance will be performed by the China Palace owner, and a clearly defined agreement spelling out all terms and conditions will be signed by the owners of the China Palace and the City of Rochester. Councilor Walker seconded the motion. The vote was in favor of recommendation, five to one, with Councilor Grassie voting against.

Regular City Council Meeting April 3, 2007

14-New Business - China Palace Parking Lot - City Manager Scruton stated the owner of China Palace was asking for permission to build a parking lot along the old railroad bed. What he is looking for if it is allowed is who will be able to use it and who will pay for construction and maintenance. Councilor Grassie said that from the draft of the parking lot, he saw that the entrance should be on the other end and they should only be allowed a right turn out. He added China Palace should pay for it and maintain it. It is on public property and therefore should be a public parking lot. Councilor Lundborn asked why this was not going to the Planning Board. City Manager Scruton stated because it is on City property. If there is no approval to use the land then there is no issue, if Council approves of it, it will have to go to the Planning Board. Councilor Varney said some consideration should be given to the residents who live on Upham Street and Lambert Court. City Manager Scruton stated Council has taken a position to promote business and now a business is requesting parking on City owned land. Councilor Lauterborn said she has a hard time to believe that people would park at this parking lot so far from the China Palace. They are going to want to park as close as they can to the restaurant and the parking lot at Service Credit Union is closer. City Manager Scruton asked what Council wants.

Councilor Lachapelle **MOVED** to refer the item the Public Works Committee. Councilor Stanley seconded the motion. The **MOTION PASSED** by unanimous voice vote.



Water Quality Report

City of Rochester, NH

Water Testing Performed in 2021
Prepared by the Rochester Water Treatment Facility
PWS ID: NH2001010

"Water is the Only Drink for a Wise Man"
-Henry David Thoreau

Tufts Reservoir



Drinking Water Sources

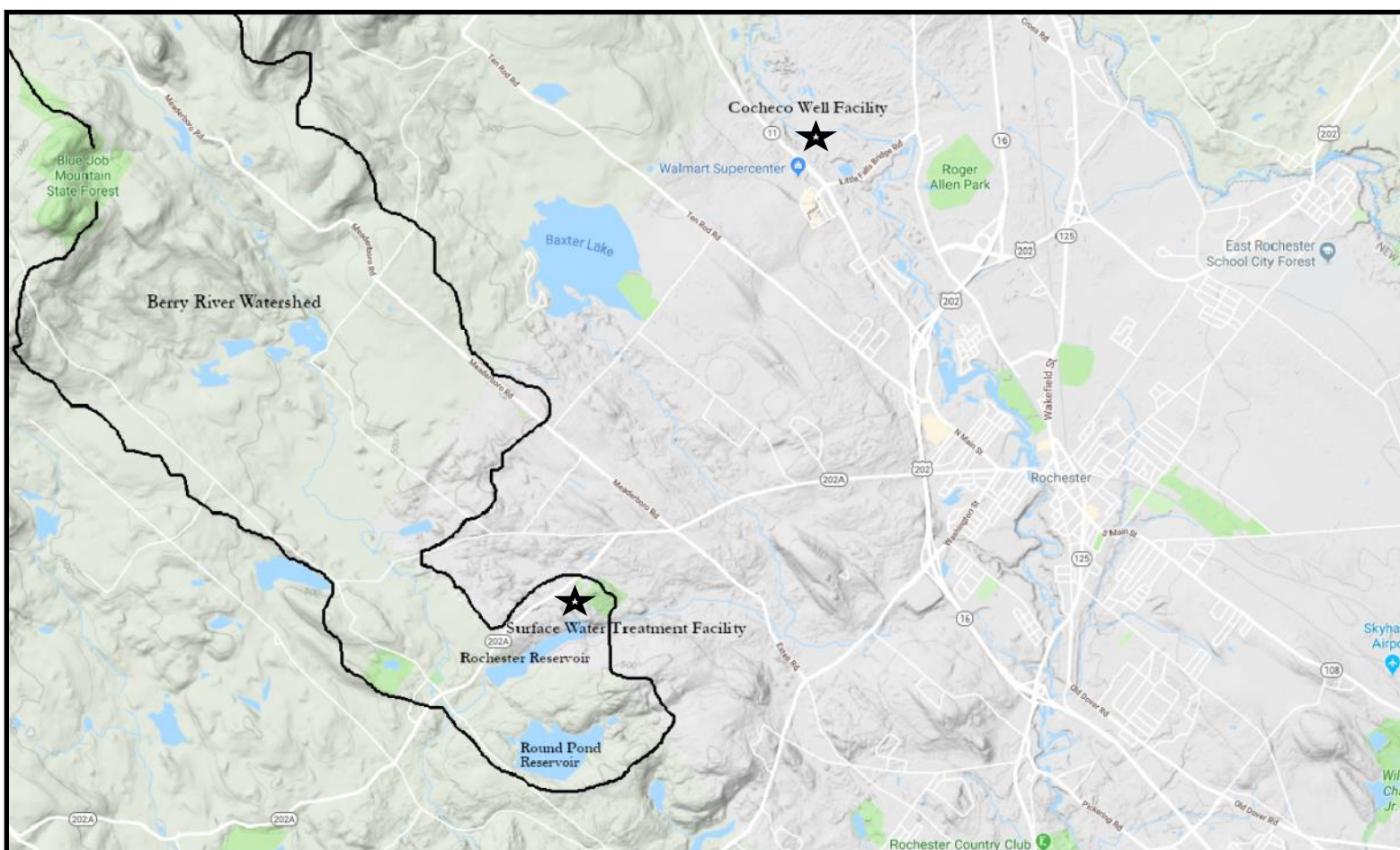
The City of Rochester consumed approximately 844 million gallons of drinking water in 2021. The surface water treatment facility is our primary supply, which draws from the Rochester Reservoir. Water is diverted from the Berry River watershed and stored in both the Rochester Reservoir and Round Pond Reservoir. The City also produces drinking water from the Cocheco Well treatment plant. The distribution system supplies potable water to every tap and hydrant and consists of approximately 150 miles of water main, three water storage tanks, six water booster stations and approximately 7,500 service connections.

The City of Rochester operates the surface water filtration facility 24 hours per day, seven days per week. Our operators are required to maintain certifications and participate in training programs. Our two water treatment facilities are capable of treating approximately 5.5 million gallons of water per day. The treatment process at the surface water plant removes impurities from the water through oxidation, coagulation, flocculation, settling and filtration. Water then flows by gravity into the distribution system to your home or business. Treatment at the well consists of aeration to remove dissolved carbon dioxide and is pumped from the site into the distribution system. Both facilities add chlorine for disinfection, fluoride to promote strong teeth, sodium bicarbonate to increase the alkalinity, and blended phosphate for corrosion control.

Raw surface water quality fluctuates seasonally, with turbidity averaging 1.5 nephelometric turbidity units and color averaging 40 platinum-cobalt color units; total organic carbon from 4-7mg/l; and pH from 5.5 to 6.5. Raw groundwater quality, specifically dissolved carbon dioxide and manganese, fluctuates based on withdrawal rates.

Water Source Map

The City of Rochester map below shows most of the Berry River Watershed, which is outlined in black and located in Rochester, Barrington, Farmington and a bit of Strafford. The drinking water treatment facilities that supply the City of Rochester and a small corner of Lebanon, Maine are represented by the star icons.



How's My Water?

From source to tap, the City of Rochester remains committed to providing our customers with the highest quality drinking water that meets or exceeds state and federal requirements. We continue to work on your behalf to ensure delivery of a quality product. Throughout 2021 we conducted more than 2200 tests for over 175 drinking water compounds and sampled continuously throughout the distribution system.

Our mission as a responsible public water system is to deliver the best-quality drinking water and reliable service at an economical cost. We rely on instrumentation, equipment and training, along with communication from our customers, for successful operations.

The water treatment facility operates at or below projected operations & maintenance costs, due to the skill, planning, effort, and training of our innovative and dedicated staff. Maintenance and efficiency remain a primary focus for the staff, who are invested in the customers, department, and each other. Our pursuit of excellent water quality and efficient operations never ceases.

As a Rochester water customer, your investment in a safe and sustainable water supply allowed the City to continue protecting and maintaining our utility.

Major projects undertaken or advanced this year included a complete replacement and upgrade of the Cocheco Well industrial control system; laboratory and process control improvements at the surface water plant; additional sourcewater protections through conservation partnerships and watershed patrolling; the Route 202A Water Main Extension and Storage Tank Project; hydraulic modeling of the distribution system and surface water treatment facility capacity; and completion of our Risk and Resilience assessment and updated Emergency Response Plan.

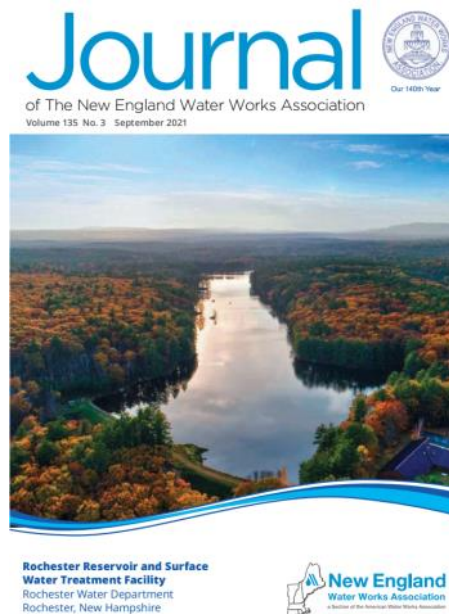
Upcoming and continuing projects include our lead service line inventory and replacement program; design of an Iron and Manganese treatment train at the groundwater plant; repairs to raw water infrastructure including dams and control structures; and improvements in our distribution system pipelines and management.

Public outreach and customer communication is always a critical part of drinking water excellence. Our efforts this year included several tours for students, regulators, peers, and customers; presentations for industry associations by Rochester staff on Backflow Prevention and

the Revised Lead and Copper Rule; and educational mailings to our watershed neighbors in Barrington, Strafford, and Farmington.

Our water system was again featured on the cover of the NEWWA September Journal, which highlighted Rochester's water resources, supply, and groundwater initiatives.

(https://www.journalofnewwa-digital.com/newq/0321_september_2021)



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Your water is a valuable, plentiful, and cost effective resource.

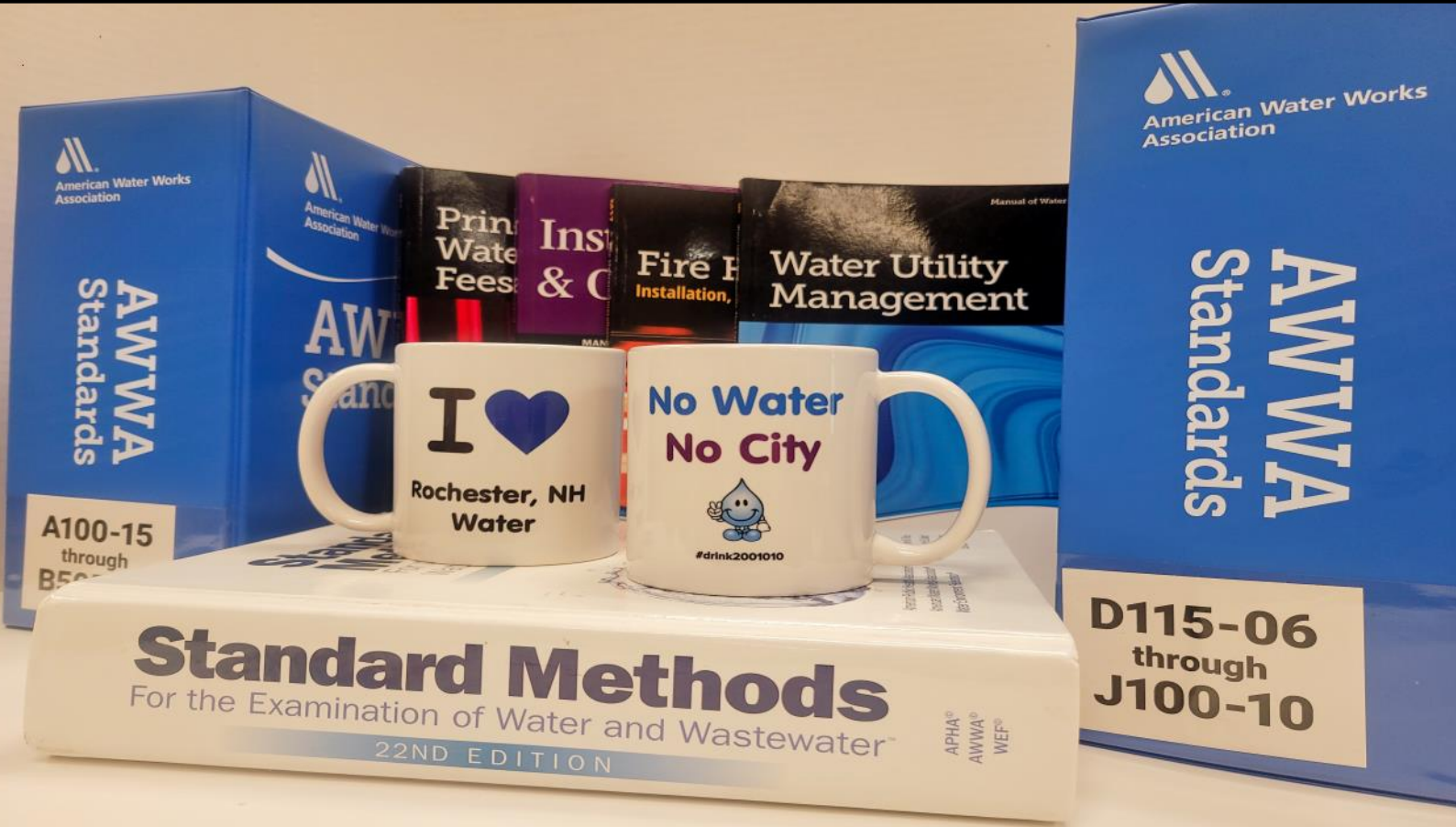
When considering the high value we place on water, it is truly a bargain to have water service that protects public health, fights fires, supports businesses and the economy, and provides us with the high-quality of life we enjoy. Civilization needs clean water: No Water, No City.

Water Quality Monitoring & Sourcewater Assessment

Water is one of the world's most precious resources and we take seriously the integrity and conservation of our supply. In 2002, the NH Department of Environmental Services (DES) prepared the most recent Source Water Assessment Report for our surface water supply, which evaluated the source's vulnerability to contamination. The results of the assessment, prepared on 10/29/02, are as follows: Berrys River received 1 high susceptibility rating, 3 medium susceptibility ratings and 8 low susceptibility ratings. Source water assessment information and comprehensive water quality data may be obtained from the Water Department, please call 603-335-4291 for more information or visit NH Department of Environmental Services Drinking Water and Groundwater Bureau web site at: <http://des.nh.gov/organization/divisions/water/dwgb/dwspp/dwsap.htm>

In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (EPA) prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. The United States Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

We continually refine and advance water treatment techniques in response to new regulations and our duty to provide safe and clean water for our customers. This requires us to perform extensive water sample collection and analysis for many different waterborne substances including: pH, Color, Turbidity, Coliform, Cryptosporidium, Total Organic Carbon, Disinfection Byproducts (TTHM/HAA5), Lead and Copper, Iron, Manganese, Nitrates, Volatile/Synthetic Organic and Inorganic Chemicals, Per- and Poly-Fluorinated Compounds, and Alkalinity.



Health Information

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline 800-426-4791.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include: **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. **Inorganic contaminants**, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining or farming. **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. **Organic chemical contaminants**, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems. **Radioactive contaminants**, can be naturally occurring or be the result of the oil and gas production and mining activities.

Do I need to take special precautions? Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

Notice to Rochester Public Water System Customers: Fluoride Supply Shortage

Nationwide, public drinking water suppliers are experiencing supply chain issues. Sourcing sodium fluoride has become increasingly difficult. The New Hampshire Department of Environmental Services (NHDES), the U.S. Environmental Protection Agency (EPA), and the Centers for Disease Control and Prevention (CDC) are aware of this industry-wide issue and are working to assist water suppliers.

The City of Rochester adds sodium fluoride during the water treatment process, which is not required for safe drinking water but provides several health benefits. Fluoride is a naturally occurring element in many water supplies at trace amounts. In Rochester, the fluoride level is adjusted to an optimal level averaging 0.7 milligrams per liter (mg/L) to improve oral health in children. At this level, it is safe, odorless, colorless, and tasteless. Unfortunately, our supply of sodium fluoride was exhausted in October 2021. The City of Rochester is diligently pursuing all options for resupply. The supply chain for other water treatment supplies remains strong. Follow-up notifications will be sent when the fluoride dose returns to optimal levels. For questions, please contact the Water Treatment Facility at 603-335-4291. For more information on fluoride, please visit <https://www.cdc.gov/fluoridation/index.html>.

Tap vs. Bottled

Thanks in part to aggressive marketing, the bottled water industry has successfully convinced us all that water purchased in bottles is a healthier alternative to tap water. However, according to a four-year study conducted by the Natural Resources Defense Council, bottled water is not necessarily cleaner or safer than most tap water. In fact, about 25 percent of bottled water is actually just bottled tap water (40 percent, according to government estimates).

The Food and Drug Administration is responsible for regulating bottled water, but these rules allow for less rigorous testing and purity standards than those required by the U.S. EPA for community tap water. For instance, the high mineral content of some bottled water makes them unsuitable for babies and young children. Furthermore, the FDA completely exempts bottled water that's packaged and sold within the same state, which accounts for 70 percent of all bottled water sold in the United States.

People spend 3,000 times more per gallon for bottled water than they typically do for tap water. If you get your recommended eight glasses a day from bottled water, you could spend up to \$1,400 annually. The same amount of tap water would cost about 49 cents. Even if you installed a filter device on your tap, your annual expenditure would be far less than what you'd pay for bottled water.

We'd like to thank all of our sample site hosts!

Cleary Cleaners, Burger King, McDonald's on North Main Street, Holiday Inn, Shell Station On Route 11, Nantucket Beadboard, Tara Estates, James Foley Community Center, Rochester Post Office, City Hall, Blue Seal Feeds, Subway on North Main Street, Dunkin' Donuts on Washington Street, Public Works, Cumberland Farms on Knight Street, Varney's Laundry Center, Granite State Glass, Skyhaven Airport, Rochester Public Library, Progressive Aesthetics, Fallen Leaf Bistro, Dunkin' Donuts on Highland Street, Cumberland Farms on Highland Street, The Rubber Group, Gonic Post Office, Rte. 125 RV & Marine, Dunkin' Donuts Rte.125 and Holy Rosary Credit Union.



#drink2001010

City of Rochester Water Treatment Facility

Facility Address: 64 Strafford Road

Mailing Address: 209 Chestnut Hill Road

Rochester, NH 03867

PWS ID: NH2001010

Owner: Peter Nourse, PE, Director of City Services

Owner's Rep.: Michael Bezanson, PE, City Engineer

Primary Operator: Ian Rohrbacher, Chief Operator

Phone: 603-335-4291 (M-F 7am-3pm) Fax: 603-335-9286

E-mail: ian.rohrbacher@rochesternh.net

<http://www.rochesternh.net>

Questions or Concerns

If you are interested in a tour of the facilities or have questions on water quality and our treatment and supply systems, please call Ian Rohrbacher, Chief Operator, at 603-335-4291 Monday through Friday 7:00am to 3:00pm. We will be pleased to answer all of your questions.



Water Quality Results for 2021

This table lists all drinking water contaminants we detected during the 2021 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in the table is from testing done January 1 through December 31, 2021. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

Finished water production typically enters the distribution system at less than 0.07 NTU, 0 ptcu, <2.5mg/l TOC, 7.3 pH, 1.70 mg/l free chlorine, 0.03 mg/L manganese, and a hardness of 20-30 mg/l.

Detected Analyte / Contaminant	Our Water	MCL	MCLG	Meets Limits?	Typical Source of Contamination	Health Effects
Microbiological Contaminants						
E. coli Bacteria	0	0	0	Y	Human and animal fecal waste	E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely compromised immune systems.
Turbidity (NTU)	100% compliance Avg: 0.072 Max: 0.109	TT (0.3)	N/A	Y	Soil runoff	Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.
Total Organic Carbon (TOC, mg/L)	Avg: 2.5 Range: 2.1-3.1	TT	N/A	Y	Naturally present in environment	Total organic carbon (TOC) has no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These byproducts include trihalomethanes (THMs) and haloacetic acids (HAAs). Drinking water containing these byproducts in excess of the MCL may lead to adverse health effects, liver or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.
Radioactive Contaminants						
Compliance Gross Alpha(pCi/L)-(Surface Water)	0.6	15	0	Y	Erosion of natural deposits.	Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.
Compliance Gross Alpha(pCi/L)-(Cocheco Well)	ND			Y		
Uranium(ug/L)-(Surface Water)	ND	30	0	Y	Erosion of natural deposits.	Some people who drink water containing uranium in excess of the MCL over many years may have an increased risk of getting cancer and kidney toxicity.
Uranium(ug/L)-(Cocheco Well)	ND			Y		
Combined Radium 226+228 (pCi/L)-(Surface Water)	0.6	5	0	Y	Erosion of natural deposits.	Some people who drink water containing radium 226 or 228 in excess of the MCL over many years may have an increased risk of getting cancer.
Combined Radium 226+228 (pCi/L)-(Cocheco Well)	1			Y		
Lead and Copper						
Copper (2020) (mg/L)*	0.178	1.3mg/L (AL)	1.3	Y	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives	Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.
Lead (2020) (ppb)**	0	15ppb (AL)	0	Y	Corrosion of household plumbing systems; Erosion of natural deposits	(15 ppb in more than 5%) Infants and young children are typically more vulnerable to lead in drinking water than the general population. It is possible that lead levels at your home may be higher than at other homes in the community as a result of materials used in your home's plumbing.
Inorganic Contaminants						
Chlorine (ppm) (Distribution System Average)	0.83			Y		
(Surface Water Plant ppm range)	1.29-1.95	MRDL=4	MRDLG=4	Y	Water additive used to control microbes	Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort.
(Cocheco Well ppm range)	0.69-1.52			Y		
Barium (mg/L) - (Surface Water)	0.0035	2	2	Y	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	Some people who drink water containing barium in excess of the MCL over many years could experience an increase in their blood pressure.
Barium (mg/L) - (Cocheco Well)	0.0092			Y		
Fluoride (mg/L) - (Surface Water)	0.59	4	4	Y	Erosion natural deposits; additive to promote strong teeth.	Your public water supply is fluoridated. According to the Centers for Disease Control and Prevention, if your child under the age of 6 months is exclusively consuming infant formula reconstituted with fluoridated water, there may be an increased chance of dental fluorosis. Consult your child's health care provider for more information.
Fluoride (mg/L) - (Cocheco Well)	0.76			Y		
Nickel (mg/L) - (Surface Water)	ND	NA	N/A	Y	Erosion of natural deposits; runoff from orchards, power plants, metal factories, waste incinerators	Monitoring required (MCL and MGL were removed from State/Federal regulations)
Nickel (mg/L) - (Cocheco Well)	0.0022			Y		
Nitrate (mg/L) - (Surface Water)	ND	10	10	Y	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	(5 ppm through 10ppm) Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider. (Above 10 ppm) Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.
Nitrate (mg/L) - (Cocheco Well)	ND			Y		
Nitrite (mg/L) - (Surface Water)	ND	1	1	Y	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill, and if untreated, may die. Symptoms include shortness of breath and blue baby syndrome.
Nitrite (mg/L) - (Cocheco Well)	ND			Y		
Synthetic Organic Contaminants (including Pesticides and Herbicides)						
No Detects	ND	N/A	N/A	Y		N/A
Volatile Organic Contaminants						
THMs [Total Trihalomethanes] (ug/L)***	Highest Avg: 64 Range: 0-136	80ug/L	N/A	Y	By-product of drinking water chlorination	Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.
HAAs [Haloacetic Acids] (ug/L)***	Highest Avg: 57 Range: 0-99	60ug/L	N/A	Y	By-product of drinking water chlorination	Some people who drink water containing haloacetic acids in excess of the MCL over many years may have an increased risk of getting cancer.

Water Quality Results for 2021

Secondary Contaminants

Detected Analyte / Contaminant	Our Water	SMCL	TT	Specific contaminant criteria and reason for monitoring
Chloride (mg/L) - (Surface Water)	12	250	N/A	Runoff from road de-icing, use of inorganic fertilizers, landfill leachates, septic tank effluents, animal feeds, industrial effluents, irrigation drainage, and seawater intrusion in coastal areas
Chloride (mg/L) - (Cocheco Well)	59			
Iron (mg/L) - (Surface Water)	ND	0.3	N/A	Erosion of natural geological deposits; corrosion of cast iron pipes
Iron (mg/L) - (Cocheco Well)	0.685			
Manganese (mg/L) - (Surface Water)	0.0052	0.05	N/A	Erosion of natural geological deposits
Manganese (mg/L) - (Cocheco Well)	0.109			
Sodium (mg/L) - (Surface Water)	25.9	250	N/A	Natural sources; runoff from use as salt on roadways; by-product of treatment process
Sodium (mg/L) - (Cocheco Well)	37.5			
Sulfate (mg/L) - (Surface Water)	24	250	N/A	Natural sources
Sulfate (mg/L) - (Cocheco Well)	7			
Zinc (mg/L) - (Surface Water)	0.0011	5	N/A	Erosion of natural deposits; leaching from plumbing materials, galvanized pipe
Zinc (mg/L) - (Cocheco Well)	0.0227			

Additional Testing

Per- and Polyfluoroalkyl Substances (PFAS)

Analyte	Result	MCL	Meets Limits?	Specific contaminant criteria and reason for monitoring
Perfluorooctanoic acid (PFOA) (ppt)				Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Surface Water Treatment Facility Finish Water	ND	12	Y	
Surface Water Treatment Facility Raw Water	ND	12	Y	
Cocheco Well Groundwater	3.71	12	Y	
Perfluorooctane sulfonic acid (PFOS) (ppt)				Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Surface Water Treatment Facility Finish Water	ND	15	Y	
Surface Water Treatment Facility Raw Water	ND	15	Y	
Cocheco Well Groundwater	3.27	15	Y	
Perfluorononanoic acid (PFNA) (ppt)				Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Surface Water Treatment Facility Finish Water	ND	11	Y	
Surface Water Treatment Facility Raw Water	ND	11	Y	
Cocheco Well Groundwater	ND	11	Y	
Perfluorohexane sulfonic acid (PFHxS) (ppt)				Discharge from industrial processes, wastewater treatment, residuals from firefighting foam, runoff/leachate from landfills and septic systems
Surface Water Treatment Facility Finish Water	ND	18	Y	
Surface Water Treatment Facility Raw Water	ND	18	Y	
Cocheco Well Groundwater	ND	18	Y	

Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR)

Raw Cryptosporidium (Oocysts/L) (data from 2018)	0	NA	NA	The public water supply completed a 24 month sample schedule for cryptosporidium from 2016-2018. Results showed concentrations of 0 cysts/L in discrete samples.
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Footnotes:

- * Copper content in the treated water prior to entering the distribution system was < .001mg/L from surface water and 0.0020mg/L from groundwater . Corrosion of household plumbing contributes to the higher average.
- ** Lead: If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This contaminant is tested for once every three years, on the corresponding dates per regulation. The next monitoring period is 2023. This water system is responsible for high quality drinking water, but can not control the variety of materials used in your plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing cold water your tap for at least 30 seconds
- *** For TTHM and HAA5 results it is possible to get a slightly higher level at one site and still be within MCL range. This level is derived from samples taken at 4 locations monthly and is a locational running annual average of sample site specific disinfection byproduct (DBP) concentrations.

Definitions and Abbreviations

MCLG – Maximum Contaminant Level Goal, or the level of a contaminant in drinking water below which there are no known or expected health risks. **MCL** – Maximum contaminant level, the highest level of a contaminant that is allowed in drinking water. **AL** - Action level, or the concentration of a contaminant which, when exceeded, triggers treatment or other requirements which a water system must follow. **TT** – Treatment technique, or required process intended to reduce the level of a contaminant in drinking water. **MRDLG** – Maximum residual disinfectant level goal or the level of drinking water disinfectants below which there is no known or expected health risk. **MRDL** – Maximum residual disinfectant level or the highest level of a disinfectant allowed in drinking water. **NA** – not applicable, **ND** – none detected, **NR** – not regulated, **NTU** – Nephelometric Turbidity Units, **ppm** – parts per million, **ppb** – parts per billion, **ppt** - parts per trillion, **ppq** - parts per quadrillion, **MFL** – million fibers per liter, **pCi/L** – pico curies per liter, a measurement of radioactivity. **SMCL** - Secondary (aesthetical) maximum contaminant level. **mg/L** - milligrams per liter. **ug/L** - micrograms per liter. **ptcu** - Platinum-Cobalt color unit.

Radon – EPA sets drinking water standards and has determined that radon is a health concern at certain levels of exposure. Radon is a naturally occurring radioactive contaminant that occurs in groundwater. It is a gas and is released from water into household air during water use. Radon has been found in epidemiology studies to cause lung cancer in humans at high exposure levels. At lower exposure, the risk of lung cancer is reduced. The City of Rochester is supplied by surface water and groundwater from a gravelly sand aquifer. High levels of radon are typically associated with deep bedrock wells.

Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality and the effectiveness of filtration. High Turbidity can hinder the effectiveness of disinfectants.