



**City Council Public Hearing
April 16, 2024
Council Chambers
6:00 PM**

Agenda

- 1. Call to Order**
 - 2. Roll Call**
 - 3. Resolution Authorizing Supplemental Appropriation of \$150,000 to the FY24 General Fund CIP Fund for the Drainage Pipe Relining Project P. 5**
 - 4. Adjournment**
-

**City Council Workshop
April 16, 2024
Council Chambers
*Immediately following the Public Hearing***

Agenda

- 1. Call to Order**
- 2. Public Input**
- 3. Communications from the City Manager**
 - 3.1 City Manager's Proposed Budget for Fiscal Year 2025 P. 11**
- 4. Communications from the Mayor**
- 5. Update & Discussion: Former Nancy Loud School P. 13**

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City Clerk's Office

- 6. Department Reports P. 77**
- 7. Non-public/non-meeting**
- 8. Adjournment**

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City Clerk's Office

Resolution Authorizing Supplemental Appropriation of \$150,000.00 to the FY24 General Fund CIP Fund for the Drainage Pipe Relining Project

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

That the Mayor and City Council of the City of Rochester hereby appropriate One Hundred Fifty Thousand Dollars (\$150,000) to the General Fund CIP for the purpose of paying costs associated with the Drainage Pipe Relining Project. The entirety of this supplemental appropriation shall be derived from the General Fund Unassigned Fund Balance.

To the extent not otherwise provided for in this Resolution, the Finance Director is hereby authorized to establish and/or designate such multi-year, non-lapsing accounts and or account numbers as are necessary to implement the transactions contemplated in this Resolution.

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City Clerk's Office



City of Rochester Formal Council Meeting

AGENDA BILL

NOTE: Agenda Bills are due by 10 AM on the Monday the week before the City Council Meeting.

AGENDA SUBJECT

COUNCIL ACTION ITEM <input type="checkbox"/>
INFORMATION ONLY <input type="checkbox"/>

FUNDING REQUIRED? YES <input type="checkbox"/> NO <input type="checkbox"/>
* IF YES ATTACH A FUNDING RESOLUTION FORM

RESOLUTION REQUIRED? YES <input type="checkbox"/> NO <input type="checkbox"/>

FUNDING RESOLUTION FORM? YES <input type="checkbox"/> NO <input type="checkbox"/>

AGENDA DATE			
DEPT. HEAD SIGNATURE			
DATE SUBMITTED			
ATTACHMENTS YES <input type="checkbox"/> NO <input type="checkbox"/>	* IF YES, ENTER THE TOTAL NUMBER OF PAGES ATTACHED		

COMMITTEE SIGN-OFF

COMMITTEE	
CHAIR PERSON	

DEPARTMENT APPROVALS

DEPUTY CITY MANAGER	
CITY MANAGER	

FINANCE & BUDGET INFORMATION

FINANCE OFFICE APPROVAL	
SOURCE OF FUNDS	
ACCOUNT NUMBER	
AMOUNT	
APPROPRIATION REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>	

LEGAL AUTHORITY

--

SUMMARY STATEMENT

[Empty box for Summary Statement]

RECOMMENDED ACTION

[Empty box for Recommended Action]

AGENDA BILL - FUNDING RESOLUTION

EXHIBIT

Project Name:

Date:

Fiscal Year:

Fund (select):

GF Water Sewer Arena

CIP Water CIP Sewer CIP Arena CIP

Special Revenue

Fund Type: Lapsing

Non-Lapsing

Deauthorization

	Org #	Object #	Project #	Fed Amount \$	State Amount \$	Local Amount \$
1				-	-	-
2				-	-	-
3				-	-	-
4				-	-	-

Appropriation

	Org #	Object #	Project #	Fed Amount \$	State Amount \$	Local Amount \$
1				-	-	-
2				-	-	-
3				-	-	-
4				-	-	-

Revenue

	Org #	Object #	Project #	Fed Amount \$	State Amount \$	Local Amount \$
1				-	-	-
2				-	-	-
3				-	-	-
4				-	-	-

DUNS #

CFDA #

Grant #

Grant Period: From
To

If de-authorizing Grant Funding appropriations: (select one)

Reimbursement Request will be reduced

Funds will be returned

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City Clerk's Office



City of Rochester Formal Council Meeting

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AGENDA DATE			
DEPT. HEAD SIGNATURE			
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COMMITTEE SIGN-OFF

COMMITTEE	
CHAIR PERSON	

DEPARTMENT APPROVALS

DEPUTY CITY MANAGER	
CITY MANAGER	

FINANCE & BUDGET INFORMATION

FINANCE OFFICE APPROVAL	
SOURCE OF FUNDS	
ACCOUNT NUMBER	
AMOUNT	
APPROPRIATION REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>	

LEGAL AUTHORITY

LEGAL AUTHORITY

SUMMARY STATEMENT

[Empty box for Summary Statement]

RECOMMENDED ACTION

[Empty box for Recommended Action]



City of Rochester Formal Council Meeting

AGENDA BILL

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FUNDING RESOLUTION FORM? YES <input type="checkbox"/> NO <input type="checkbox"/>

AGENDA DATE			
DEPT. HEAD SIGNATURE			
DATE SUBMITTED			
ATTACHMENTS YES <input type="checkbox"/> NO <input type="checkbox"/>	* IF YES, ENTER THE TOTAL NUMBER OF PAGES ATTACHED		

COMMITTEE SIGN-OFF

COMMITTEE	
CHAIR PERSON	

DEPARTMENT APPROVALS

DEPUTY CITY MANAGER	
CITY MANAGER	

FINANCE & BUDGET INFORMATION

FINANCE OFFICE APPROVAL	
SOURCE OF FUNDS	
ACCOUNT NUMBER	
AMOUNT	
APPROPRIATION REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>	

LEGAL AUTHORITY

LEGAL AUTHORITY

SUMMARY STATEMENT

[Empty box for Summary Statement]

RECOMMENDED ACTION

[Empty box for Recommended Action]

Nancy Loud School
Final Assessment-March 20, 2024
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August 1, 2023

David G. Totty
Director of Facilities
Rochester School District
150 Wakefield St, Suite #8
Rochester, NH 03867

Re: **Nancy Loud School – Assessment of Southeast Exterior Wall and Foundation**
5 Cocheco Ave
Rochester, NH

Dear Mr. Totty,

At your request, Foley Buhl Roberts & Associates, Inc. (FBRA) visited the Nancy Loud School at 5 Cocheco Ave in Rochester, NH to assess the current conditions of the southeast exterior wall and foundation wall to develop an opinion as to the structural stability of the building. This letter documents our assessment and presents our conclusions and recommendations.

INTRODUCTION

The Nancy Loud School was constructed in 1880 and consists of one main two-story building with a gabled roof and bell tower, an auxiliary two-story section with a lower roof on the northwest side, and two auxiliary one-story sections to the northeast and southwest sides of the building (Figure 1).

The building is framed with lumber and supported on foundation walls constructed with brick in the top portion and stone below the brick. The first floor is framed with 2x joists that attach to girders supported by brick columns or perimeter beams bearing on top of the foundation walls. There is a basement below the first-floor framing which does not appear to have a slab.

We understand from conversations with you that the southeast exterior wall and foundation wall have been damaged and you have concerns about the structural integrity of the building and safety for occupancy. We also understand that the school district is in the early design phase for a new elementary school which is expected to be completed by 2025 and will host the students currently located at the Nancy Loud School.

Our scope of work consists of the following tasks:

- Visit the site to observe and photograph the structure with the intent of identifying structural damage and instabilities, if any, caused by the southeast exterior wall and foundation movement.
- Opine on the structural stability of the building and determine if the building is safe for occupancy.
- Recommend repairs for structural stability, if needed to reoccupy the building.
- Prepare a letter summarizing our findings providing our recommendations.

David. G. Totty
Nancy Loud School
Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
Page 2 of 13

We understand that further geotechnical information may become available, and consequently, our opinions, conclusions, and recommendations may be subject to further review and modification as deemed appropriate based on the additional information provided.

SITE VISIT

To assess the current structural condition of the building, Zachary T. Chabot, Senior Engineer of FBRA, visited the site on July 26, 2023. He observed the exterior building walls and exposed portions of the brick foundation walls and entered the basement to observe the interior side of the foundation walls and the first-floor framing in the bays adjacent to the southeast exterior wall. He also walked through the classrooms supported by the first-floor framing along the southeast side of the building.

Our observations are based on what we could observe firsthand. The wall exterior wall assembly, bottom of wall construction and attachment to foundation wall, and second-floor framing are concealed so direct observations of these components was not possible. For the purposes of identifying locations in this report, true north is identified in Figure 1 and the southeast and east walls are labeled for clarity.

We made the following observations of the existing conditions of the building:

- Brick on the exterior side of the west, east, and southeast foundation walls are deteriorated and missing bricks in several locations. There is plywood blocking windows between brick piers along the foundation walls (Photo 1).
- The middle portion of the southeast exterior wall is bulging outward at the top of the foundation wall relative to the rest of the wall. The brick foundation wall piers also appears tilted away from the building (Photo 2).
- Interior brick partition walls in the basement are separated from the southeast foundation wall by over an inch in some location (Photo 3).
- The foundation wall material transitions from brick to stone below grade. The stone foundation is severely deteriorated and missing mortar along most of the southeast foundation wall (Photo 4) and along the southern portion of the east foundation wall (Photo 5). The stone is loose and has large gaps in many locations (Photos 4 and 5).
- Brick piers are separated from the inside face of the stone foundation walls in many locations (Photo 6).
- A wood perimeter beam appears to bear on top of the southeast foundation wall and support the notched, 2x10 first-floor joists (Photo 7). The 2x10 first-floor joists are no longer bearing on the notched perimeter beam in many locations along the length of the southeast foundation wall (Photos 7 and 8). We could not observe the size and position of the perimeter beam during the site visit.
- 2x10 first-floor joists at the southeast wall are supported by wood girders bearing on brick columns approximately 15 ft. from the southeast foundation wall. The joists are notched at

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this first interior column line and bear on ledgers which are connected to the girders (Photo 9).

- First-floor joists are supported by previously installed shoring to the northwest of the first interior column line from the southeast wall (Photo 10).
- There is a large depression beneath the first partition wall to the west of the east foundation wall (Photo 11). The brick partition wall is not load-bearing.

DISCUSSION

The stone and brick foundation walls along the southeast side and a portion of the east side of the building are severely deteriorated (Photos 1, 2, 4, 5, and 6). The outward displacement of the brick foundation walls and exterior wood-framed walls along the southeast exterior wall is consistent with the observed deterioration and loss of brick, stone, and mortar in these walls. It is also possible that foundation settlement is a factor in the observed movement of the foundation walls. Evaluation of settlement and the existing stone foundation walls is outside of our expertise and we understand that you engaged a geotechnical engineer (S.W. Cole) to visit the site on Monday (July 31) to evaluate the condition of the foundation and provide their recommendations. S.W. Cole should also evaluate the depressed slab below the interior partition line to determine if other geotechnical issues need to be considered.

Due to the outward movement at the top of the southeast foundation wall, the perimeter beam and exterior wall above are also displaced outward and many of the 2x10 joists supporting the first floor are no longer bearing on the notched perimeter beam (Photos 7 and 8). However, the majority of the 2x10 joists still bear on the ledger attached to the girders along the first interior column line from the southeast exterior wall (Photo 9). Thus, the existing floor joists are effectively cantilevering from the first interior support line toward the exterior wall and are likely only supported by their attachment to the deck. The existing joists are not adequately supported, and this results in an unstable floor construction in this bay. Furthermore, the exterior southeast wall supports a portion of the second floor and roof above. The outward displacement at the bottom of the wall has created a leaning wall which may become unstable if the wall continues to move outward due to further foundation deterioration and movement or if the second floor or roof is loaded beyond the reduced capacity of the wall. The first and second floors are not safe for occupancy due to these deficiencies, and we recommend that the southeast exterior stud wall and first floor joists along the exterior southeast wall be shored prior to reoccupying the building so the existing foundations are not relied upon to support the structure.

The engineered shoring will likely include a line of shoring in the basement adjacent to the existing southeast foundation which support the joists and an additional line of shoring on the exterior side of the wall so needle beams can be installed between the two shoring lines to support the exterior wall above the foundation. The needle beams could be installed through the existing, boarded-up windows in many locations, but penetrations through the existing brick wall will also likely be required to provide enough needle beams to support the wall. Since the southeast exterior wall is a shear wall and supports lateral loads for the building, the interior line of shoring will need to be braced to transfer lateral loads from the exterior wall to the bottom of the shoring. This may be achieved through proprietary shoring configurations or new wood-framed shear walls in the basement. In both cases, new footings will need to be constructed to support the shoring posts or shear walls. Footings for the

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 Assessment of Southeast Exterior Wall and Foundation

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exterior line of shoring should be placed below frost depth to prevent frost from causing movement of the shores and building. See Figure 2 for a potential shoring scheme.

We could not observe the existing construction of the exterior wood-framed wall and a small opening should be made in the bottom of the exterior wall to verify the assembly of the wall studs, decking, and perimeter beam construction prior to developing the shoring plan.

The engineered shoring scheme is a temporary solution intended to allow reoccupation of the Nancy Loud School building prior to the beginning of this school year and during the design and construction of the new school. Depending on S.W. Cole's geotechnical assessment, the foundation walls will likely need significant repairs or complete replacement if the school district intends to retain the structure beyond this timeframe.

CONCLUSIONS

Based on our observations of the foundations, first-floor joists, and exterior walls at the southeast end of the building, we conclude the following:

- Since original construction, the brick and stone foundations along the southeast wall have deteriorated resulting in lateral displacement of the foundation wall.
- Many of the first-floor joists are no longer bearing on the perimeter beam along the southeast foundation wall due to the outward displacement of the foundation wall and this has created an unstable floor construction which is not safe for full occupancy.
- The outward displacement of the southeast exterior wood-framed wall above the foundation wall has resulted in a leaning exterior wall which is not restrained at the bottom and may become unstable due to additional movement or further loading. This wall supports a portion of the second floor and roof above and these areas are unsafe for full occupancy.

RECOMMENDATIONS

We recommend the following repairs be implemented at the Nancy Loud School:

- Although the damaged first-floor joists and southeast exterior wall only support a portion of the building, we do not recommend opening any portion of the building to the students or staff until repairs are made or engineered shoring is installed.
- If the school intends to open the building to the students and staff and there is not enough time to make repairs, we recommend installing engineered shoring along the southeast side of the building to support the southeast end of the first-floor joists and exterior wood-framed wall prior to reoccupying the building.
- Engineered shoring is a temporary solution intended to allow reoccupation of the school for the school year 2023 or until students are relocated to the planned new elementary school. If the school district intends to continue using the school after the new elementary school is constructed, we recommend repairing or replacing the existing foundations to support the exterior walls.

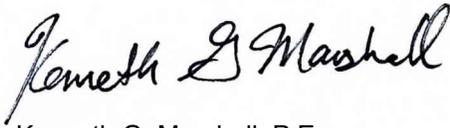
David. G. Totty
Nancy Loud School
Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
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- Prior to shoring the building or making repairs, school personnel could be allowed limited access for a brief period of time to remove equipment or supplies from the building.
- If additional cracking or displacement is observed or reported, please notify FBRA immediately.

Very truly yours,

FOLEY BUHL ROBERTS & ASSOCIATES, INC.



Kenneth G. Marshall, P.E.



Zachary T. Chabot, P.E.

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Nancy Loud School
Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
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PHOTO 1

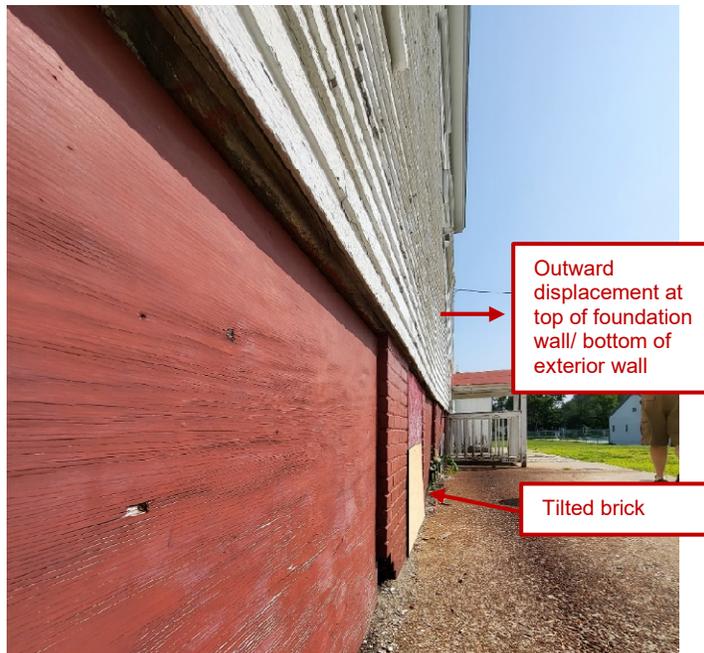


PHOTO 2

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Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
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PHOTO 3



PHOTO 4

David. G. Totty
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PHOTO 5



PHOTO 6

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Nancy Loud School
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August 1, 2023
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PHOTO 7

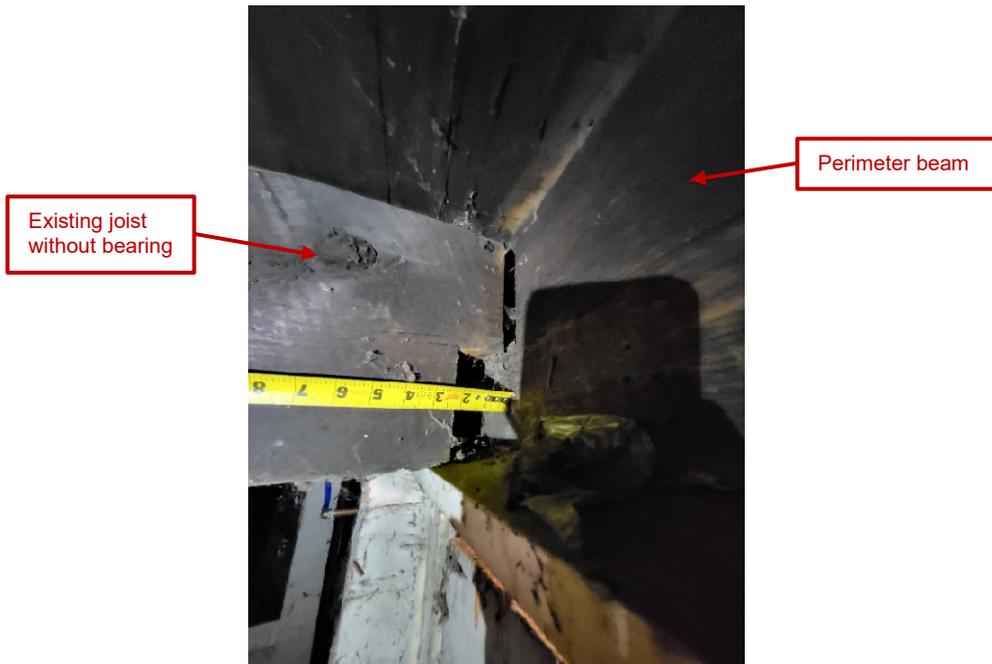


PHOTO 8

David. G. Totty
Nancy Loud School
Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
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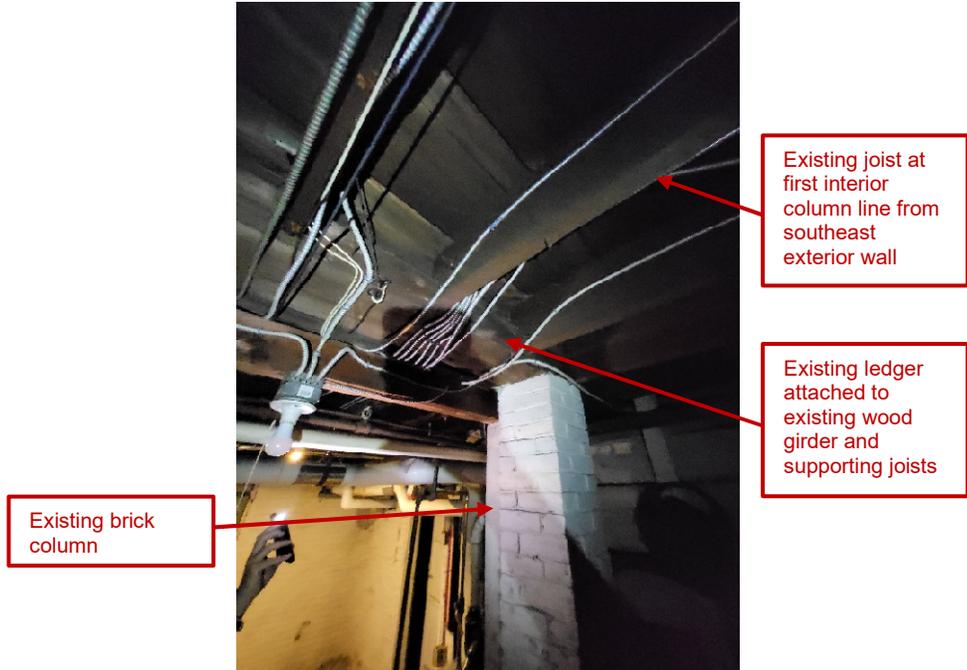


PHOTO 9

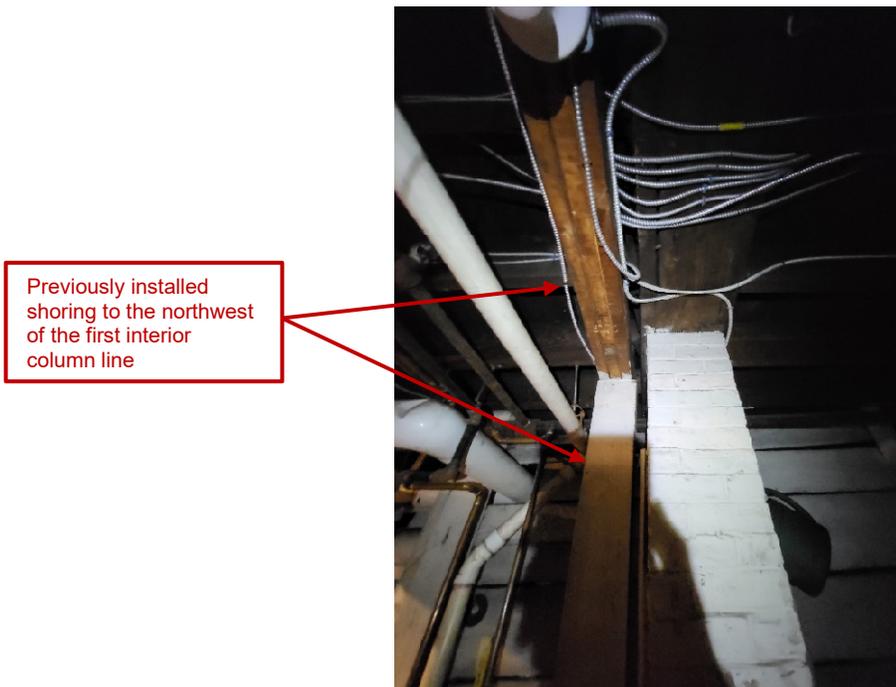


PHOTO 10

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PHOTO 11

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FIGURE 1
(Image by Google Earth)

David. G. Totty
Nancy Loud School
Assessment of Southeast Exterior Wall and Foundation

August 1, 2023
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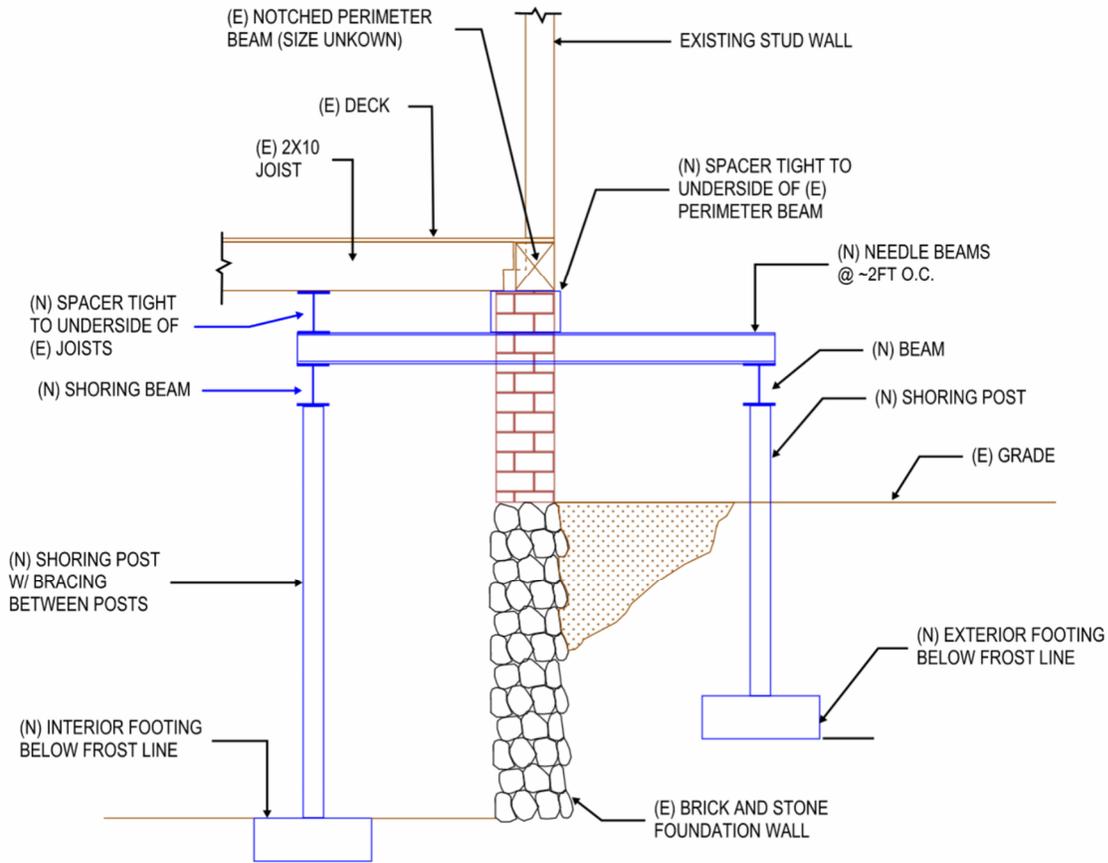


FIGURE 2

23-1529 S

July 31, 2023

Rochester School District
Attn: David Totty
150 Wakefield St.
Rochester, NH 03867

Subject: Preliminary Geotechnical Site Assessment
Nancy Loud Elementary School
5 Cocheco Avenue
Rochester, New Hampshire

Dear David,

As requested, we have made a site visit to observe existing building and site conditions at the subject site. This report summarizes our findings, and its contents are subject to the limitations set forth in Appendix A.

1.0 PROJECT UNDERSTANDING

The site is located off the southeast side of Cocheco Avenue in Rochester, New Hampshire and is comprised of the existing Nancy Loud Elementary School located in the central portion of the site. A paved parking lot is located in the southwestern portion of the site, an existing playground in the southern portion of the site, and open grassed areas occupy the remaining portions. Based on available LIDAR survey data, site grades are highest around the existing building, sloping downward radially from the building about 2 to 4 feet in elevation.

Based on correspondence with you, we understand the existing building is consists of a 2-story wood framed construction with basement level founded on brick and mortar, overlying a rubble stone and mortar foundation. We understand the existing foundation has experienced several areas of foundation distress and a “sinkhole” has been observed towards the central portion of the building. We understand a preliminary study is being conducted to determine the economic feasibility of foundation remediation to maintain temporary building usability.



2.0 SITE OBSERVATIONS

As requested, we made a site visit to observe the site and existing building foundation conditions.

Our site visit began along the exterior of the existing building. Based on our observations, several areas along the southwest and southeast perimeter foundation walls have shown severe displacement and separation of the existing brick structure. There are several voids within the existing walls where bricks have deteriorated and are missing. The existing southeast foundation wall was also observed to bow outward away from the building.

Our site visit then moved to the interior of the building. Observations along the southeast wall coincide with exterior observations where the existing foundation appears to bow away from the building. Based on our observations, the existing floor joists are no longer seated atop the foundation wall. Several areas along the existing perimeter wall showed displacement and separation of the brick and rubble stone structure with some areas missing bricks and stones. Toward the central portion of the building, we observed a depression below an existing firewall. The extents of the depression appear to be encroaching toward existing load bearing columns. Based on correspondence with you, we understand this area pools stormwater and has been growing wider over the past several years.

Photos of observed conditions are shown in Appendix B.

3.0 GEOTECHNICAL ASSESSMENT AND RECOMMENDATIONS

Based on our observations, the separation of foundation and floor joists along the southeast perimeter wall and depression in the central portion of the building indicate soil movement and settlement below existing foundations. The cause of which are not apparent at this time. As evidence of depression widening and brick separation, we anticipate that settlement is ongoing and will continue without remediation efforts. As such, we recommend a site investigation consisting of a combination of test pit and test boring explorations be performed to analyze the subsurface soils for potential causes of foundation distress, and to determine feasible options for foundation remediation.



23-1529 S
July 31, 2023

4.0 CLOSURE

It has been a pleasure to be of assistance to you with this phase of your project. We look forward to working with you as your project progresses.

Sincerely,

S. W. Cole Engineering, Inc.

Tyler S. Demers, P. E.
Project Geotechnical Engineer

TSD:rec

APPENDIX A

Limitations

This report has been prepared for the exclusive use of the Rochester School District for specific application to the Nancy Loud Elementary School Site Assessment at 5 Cocheco Avenue in Rochester, New Hampshire. S. W. Cole Engineering, Inc. (S.W.COLE) has endeavored to conduct our services in accordance with generally accepted soil and foundation engineering practices. No warranty, expressed or implied, is made.

S.W.COLE's scope of services has not included the investigation, detection, or prevention of any Biological Pollutants at the project site or in any existing or proposed structure at the site. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms.

Recommendations contained in this report are based substantially upon information provided by others regarding the proposed project. In the event that any changes are made in the design, nature, or location of the proposed project, S.W.COLE should review such changes as they relate to analyses associated with this report. Recommendations contained in this report shall not be considered valid unless the changes are reviewed by S.W.COLE.

APPENDIX B

Photos



Brick displacement along Southeast perimeter wall



Missing brick on Southern building corner



Southeast perimeter wall



Missing brick and brick displacement along Southeast perimeter wall



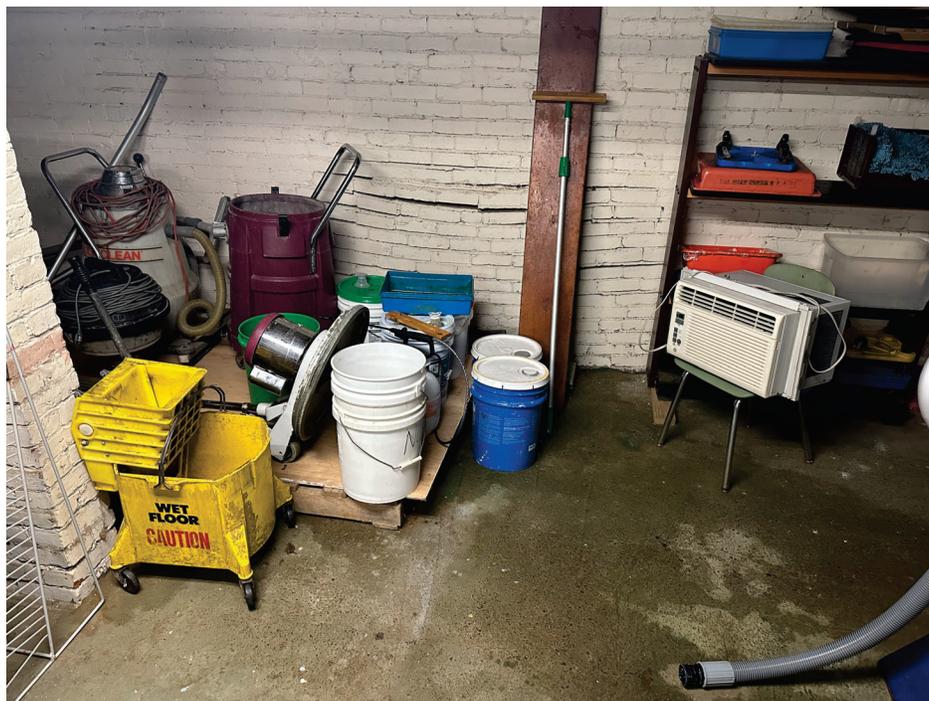
Interior view of Southeast perimeter wall



Floor joists along Southeast perimeter wall



Depression and brick displacement in central portion of building



Depression and brick displacement in central portion of building

Project name Nancy Loud - Rochester
Rochester
NH

Labor rate table NH

Bid date 7/31/2023 2:00 PM

Report format Sorted by 'Group phase/Phase'
'Detail' summary

This budget is based on the preliminary findings and design by Foley Buhl Roberts. The budget will have to be reevaluated after the geotech report is published with their recommendations.

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Total Amount
1000		GENERAL CONDITIONS								
	1100	Superintendent								
		Superintendent	4.00 wk	4,800.00	19,200	-	-	-	-	19,200
		General Superintendent	0.50 wk	5,200.00	2,600	-	-	-	-	2,600
	1110	Engineering/Survey/Layout								
		Engineering/Survey/Layout	1.00 wk	3,400.00	3,400	-	-	-	-	3,400
	1140	Proj. Management								
		Project Manager	2.00 wk	4,800.00	9,600	-	-	-	-	9,600
	1150	Project Accounting								
		Accounting	0.25 wk	2,800.00	700	-	-	-	-	700
	1210	Harvey's Field Office								
		Harvey's Field Office	1.00 mnth	-	-	-	-	166.67	167	167
		Communication Equipment - Cell Phone	1.00 mnth	-	-	-	-	150.00	150	150
		Temp. Toilet	1.00 mnth	-	-	-	-	450.00	450	450
		Office Supplies	1.00 mnth	-	-	233.33	233	-	-	233
		First Aid Kit	1.00 ls	-	-	750.00	750	-	-	750
		Photocopy & Fax	1.00 mnth	-	-	-	-	152.50	153	153
		PC Equipment & Connections	1.00 mnth	-	-	-	-	200.00	200	200
	1250	Procure								
		Procure	1.00 mnth	-	-	-	-	900.00	900	900
	1260	Portable Water								
		Portable Water	1.00 mnth	-	-	-	-	50.00	50	50
	1285	Pickup Truck								
		Pick Up Truck	4.00 wk	-	-	300.00	1,200	-	-	1,200
	1330	Temp. Electric								
		Temp. Electric Usage - By Owner	sf	-	-	-	-	0.00	0	0
	1335	Temp Fire Extinguishers								
		Temp Fire Extinguishers	1.00 ls	-	-	500.00	500	-	-	500
	1340	Temp. Heat								
		Temporary Heat - By Owner	sf	-	-	-	-	-	-	-
	1360	Supplies & Perishable Tools								
		Supplies & Perishable Tools	1.00 mnth	-	-	275.00	275	-	-	275
	1430	Dumpsters								
		Dumpster Loads	3.00 ld	-	-	850.00	2,550	-	-	2,550
2000		EXISTING CONDITIONS								
	2030	Demolition								
		Demolition	1.00 ls	-	-	-	-	15,000.00	15,000	15,000
3000		CONCRETE								
	3010	Concrete Subs								
		Foundation Sub by Unit Cost	20.00 cy	-	-	-	-	350.00	7,000	7,000

Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Amount	Material Cost/Unit	Material Amount	Sub Cost/Unit	Sub Amount	Total Amount
	3250	Cont. Footing Concrete								
		Continuous Footing Conc4000 psi	20.00 cy	-	-	175.00	3,500	-	-	3,500
	3810	Reinf. Steel								
		Buy Reinforcing Steel	1.50 tn	-	-	1,400.00	2,100	-	-	2,100
		Install Reinforcing Steel	1.50 tn	-	-	-	-	900.00	1,350	1,350
4000		MASONRY								
	4100	Masonry								
		Masonry Repairs	1.00 ls	-	-	-	-	10,000.00	10,000	10,000
6000		WOOD & PLASTIC								
	6100	Rough Carpentry								
		Shoring	1.00 ls					129,099.00	129,099	129,099
		Rough Carpentry	1.00 ls					5,000.00	5,000	5,000
		Labor Support	4.00 wks	2,600.00	10,400					10,400
7000		THERMAL/MOISTURE								
	7120	Waterproofing								
		Waterproofing if Needed	1.00 ls	-	-	-	-	10,000.00	10,000	10,000
310000		EARTHWORK								
	310100	Earthwork								
		E&B for Int & Ext Footings	1.00 ls	-	-	-	-	20,000.00	20,000	20,000

Estimate Totals

Description	Amount	Totals	Hours	Rate	Cost Basis	Cost per Unit	Percent of Total
Labor	45,900		310,000 hrs				16.22%
Material	11,108						3.93%
Subcontract	199,518						70.52%
Equipment							
Other	256,526	256,526					90.67
Performance & Payment Bond	2,122						0.75%
Builder's Risk Wood Frame	990			3,500 \$ /	1,000 T		0.35%
General Liability & Umbrella P	1,966			0.695 %	T		0.70%
CM Fee %	7,848			3,000 %	T		2.77%
CM Contingency %	13,473			5,000 %	T		4.76%
Total		282,925					



REPORT

23-1529.1 S

January 12, 2024

Explorations and Geotechnical Engineering Services

Nancy Loud Elementary School
Settlement Evaluation
5 Cocheco Avenue
Rochester, New Hampshire

Prepared For:
City of Rochester
Attn: Mark Sullivan
31 Wakefield St.
Rochester, NH 03867

Prepared By:
S. W. Cole Engineering, Inc.
10 Centre Road
Somersworth, NH 03878
T: 603-692-0088

www.swcole.com | info@swcole.com

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23-1529.1 S

January 12, 2024

City of Rochester
Attn: Mark Sullivan
31 Wakefield St.
Rochester, NH 03867

Subject: Explorations and Geotechnical Engineering Services
Nancy Loud Elementary School Settlement Evaluation
5 Cocheco Avenue
Rochester, New Hampshire

Dear Mark,

In accordance with our Proposal, dated October 17, 2023, we have performed subsurface explorations for the subject site. This report summarizes our findings, and its contents are subject to the limitations set forth in Appendix A.

1.0 INTRODUCTION

1.1 Scope and Purpose

The purpose of our services is to obtain subsurface information and to provide geotechnical engineering recommendations relative to remediation of the building foundation. Our scope of services included observation of test boring explorations, an assessment of subsurface findings, and preparation of this report.

1.2 Site and Proposed Construction

The site is located off the southeast side of Cocheco Avenue in Rochester, New Hampshire and is comprised of the existing Nancy Loud Elementary School located in the central portion of the site. A paved parking lot is located in the southwestern portion of the site, an existing playground in the southern portion of the site, and open grassed areas occupy the remaining portions. Based on available LIDAR survey data, site grades are highest around the existing building, sloping downward radially from the building about 2 to 4 feet in elevation.



The existing building consists of a 2-story wood framed structure with basement level founded on brick and mortar, overlying a rubble stone and mortar foundation. S. W. Cole Engineering, Inc. (S.W.COLE) made a site visit in July, 2023 to observe existing foundation conditions. Based on our observations, the existing basement slab is approximately 5 feet below existing exterior grade. We anticipate the foundation wall to extend about 1 to 2 feet below the existing basement slab. The existing foundation has experienced several areas of foundation distress and a depression has been observed towards the central portion of the building. The separation of foundation and floor joists along the southeast perimeter wall and depression in the central portion of the building indicate soil movement and settlement below existing foundations. As evidence of depression widening and brick separation, we anticipate that settlement is ongoing and will continue without remediation efforts. We understand you wish to explore subsurface conditions at the site to analyze the subsurface soils for potential causes of foundation distress, and to determine feasible options for foundation remediation.

Existing site features are shown on the “Exploration Location Plan” attached as Sheet 1.

2.0 EXPLORATIONS AND TESTING

2.1 Explorations

Ten drilled test borings (B-1 through B-11, excluding B-6) were made on the site on November 8 and 9, 2023 by S. W. Cole Explorations, LLC. One hand-dug test boring (HB-1) was performed by S.W.COLE on January 3, 2024 in the area of the depression in the central portion of the building. The exploration locations were selected by and established in the field by S.W.COLE using tapped measurements from existing site features. The approximate exploration locations are shown on the “Exploration Location Plan” attached in Appendix B. Logs of the explorations and a key to the notes and symbols used on the logs are attached in Appendix C. The ground surface elevations shown on the log sheets were estimated based on available LiDAR derived topographic data shown on the “Exploration Location Plan” attached in Appendix B.

2.2 Laboratory Testing

Soil samples obtained from the explorations were returned to our laboratory for further classification and testing. Atterberg Limits and moisture content test results are noted on the logs. The results of tow laboratory gradation test are attached in Appendix D.



3.0 SUBSURFACE CONDITIONS

3.1 Soil and Bedrock

Test borings B-1 through B-5 were performed adjacent to the existing building and encountered a surficial 3 to 6-inches of asphalt pavement, concrete slabs, or grassed topsoil overlying granular fills generally consisting of very loose to very dense, brown fine to medium sand with varying portions of silt and gravel to depths ranging from 10 to 12 feet. Wood fragments were encountered in test boring B-4 at a depth of 7 feet. Below the fill, the test borings generally encountered native deposits of medium dense, light brown sand to depths ranging from 12 to 25 feet, overlying medium stiff, gray silty clay to depths ranging from 26 to 36 feet. Below the clay and/or fill, the test borings generally encountered dense to very dense, brown sand and gravel to depths ranging from 16 to 36 feet, where the test borings were terminated. Refusal surfaces (probable boulder or bedrock) were encountered in test borings B-1 and B-2 at depths of 16 and 31.8 feet, respectively.

Hand boring HB-1 was performed inside the existing building in the area of the existing depression and encountered a surficial 2-inch concrete slab overlying granular fills generally consisting of very loose to loose, brown silty sand and gravel with wood and brick fragments. Several voids were encountered within the strata. The test boring was advanced to a depth of 8 feet, where the borehole collapsed following sampler retrieval and could not be advanced further.

Test borings B-7 through B-11 were made across the remaining portion of the site and encountered a surficial 3 to 12 inches of grassed topsoil overlying native deposits of loose to medium dense, brown to tan sand with varying portions of silt and gravel to depths ranging from 15 to 25.4 feet, overlying medium stiff, gray silt and clay to depths of 27 to 48 feet, where the majority of the explorations were terminated. Test boring B-8 was advanced to refusal (probable boulder or bedrock) at a depth of 48 feet.

Not all strata were encountered in each exploration. For more detailed subsurface information, refer to the attached boring logs.



3.2 Groundwater

Saturated soils were encountered below depths ranging from 10 to 20 feet in the test borings at the time of exploration work. Long term groundwater information is not available. It should be anticipated that groundwater will fluctuate, particularly in response to precipitation, snowmelt and changes in site use.

4.0 GEOTECHNICAL ASSESSMENT AND RECOMMENDATIONS

4.1 General Findings and Assessment

Based on exploration findings and observations made during our site visit, it appears the existing foundations and basement slab are supported on about 4 to 8 feet of uncontrolled fill, containing wood and other debris. Several voids were also observed in the hand boring. It is our opinion that the presence of uncontrolled fill containing wood, debris, and voids as found in the explorations are a contributing factor for foundation and slab distress. Additionally, movement of the southeast wall may be caused by a combination of underlying uncontrolled fills, lack of a traditional footing, lack of foundation embedment, and lack of perimeter foundation drainage. Deterioration of the existing foundation likely contributes to foundation distress as well.

As evidence of the continued cracking after crack repair, we anticipate that settlement is ongoing and will continue. Remediation to the soils and foundation support are required to mitigate settlement.

4.2 Conceptual Remediation Options

The remediation of settlement is challenging and costly given the access, and repairs will need to occur while supporting the building. We offer the following conceptual remediation solutions:

1. Complete Foundation Reconstruction – Spread Footings: This concept will include jack up and supporting the building temporarily on cribbing/foundations that extend outside of the current footprint. Following this procedure, the existing foundations, slabs, and uncontrolled fills below the building would be removed, replaced, and reconstructed. This concept likely involves disconnection of multiple utilities and not occupying the building during reconstruction. This method will be challenging given the extent of uncontrolled fills below the building. Cribbing/foundations



supporting the building may likely need deep foundation support via helical screw piles end bearing in the dense to very dense sand and gravel soils below the underlying silty clay to prevent undermining during uncontrolled fill removal.

2. Complete Foundation Reconstruction – Helical Screw Piles: If complete removal and replacement of uncontrolled fills below the building are not economically feasible, the building may be supported on helical screw piles that bypass the existing uncontrolled fills and derive bearing support within the underlying dense to very dense sand and gravel soils. This concept will also require jack up and supporting the building temporarily on cribbing/foundations that extend outside of the current footprint.

The on-grade basement slab may be soil supported, provided the Owner expressly excepts the risk of settlement; otherwise, the basement slab should also be supported by helical screw piles. The design of the helical screw piles should be performed by a qualified design/build geotechnical specialty contractor. The helical screw pile designer will require foundation plans, structural loading, and subsurface conditions from the test borings.

Further design and planning are required for each of the options presented. The involvement of the geotechnical engineer, a structural engineer, and a geotechnical specialty design-building contractor will be required to design and implement a remediation. We recommend discussions with a design-build specialty geotechnical contractor to determine order of magnitude cost estimates.

4.3 Site Feasibility Findings

Based on test boring findings across the remaining portion of the site, subsurface conditions consist of loose to medium dense sand overlying cohesive silt and clay soils that increase in depth and thickness to the east of the site. Based on these findings, future development of the site appears feasible from a geotechnical standpoint. However, further analysis will need to be performed to determine the potential settlement from loose granular soils and consolidation of the underlying silt and clay from future proposed fill and foundation loading. S.W.COLE should be retained to analyze proposed future development at the site, and to perform additional explorations and laboratory testing to assist in its evaluation.



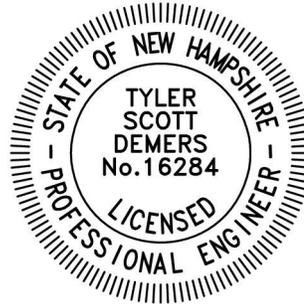
23-1529.1 S
January 12, 2024

5.0 CLOSURE

It has been a pleasure to be of assistance to you with this phase of your project. We look forward to working with you as your project progresses.

Sincerely,

S. W. Cole Engineering, Inc.



Tyler S. Demers, P. E.
Project Geotechnical Engineer

TSD:rec

APPENDIX A

Limitations

This report has been prepared for the exclusive use of the City of Rochester for specific application to the Nancy Loud Elementary School Settlement Evaluation at 5 Cocheco Avenue in Rochester, New Hampshire. S. W. Cole Engineering, Inc. (S.W.COLE) has endeavored to conduct our services in accordance with generally accepted soil and foundation engineering practices. No warranty, expressed or implied, is made.

The soil profiles described in the report are intended to convey general trends in subsurface conditions. The boundaries between strata are approximate and are based upon interpretation of exploration data and samples.

The analyses performed during this investigation and recommendations presented in this report are based in part upon the data obtained from subsurface explorations made at the site. Variations in subsurface conditions may occur between explorations and may not become evident until construction. If variations in subsurface conditions become evident after submission of this report, it will be necessary to evaluate their nature and to review the recommendations of this report.

Observations have been made during exploration work to assess site groundwater levels. Fluctuations in water levels will occur due to variations in rainfall, temperature, and other factors.

S.W.COLE's scope of services has not included the investigation, detection, or prevention of any Biological Pollutants at the project site or in any existing or proposed structure at the site. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the byproducts of any such biological organisms.

Recommendations contained in this report are based substantially upon information provided by others regarding the proposed project. In the event that any changes are made in the design, nature, or location of the proposed project, S.W.COLE should review such changes as they relate to analyses associated with this report. Recommendations contained in this report shall not be considered valid unless the changes are reviewed by S.W.COLE.

APPENDIX B

Figures



LEGEND
 APPROXIMATE BORING LOCATION

NOTES:
 1. EXPLORATION LOCATION PLAN PREPARED FROM ORTHOIMAGERY ENTITLED "NH_2021_2022_6IN_RGB," PROVIDED BY THE NHGRANIT.

2. THE BORINGS WERE LOCATED IN THE FIELD BY S. W. COLE ENGINEERING, INC. USING A RECREATIONAL GRADE GPS RECEIVER.

3. THIS PLAN SHOULD BE USED IN CONJUNCTION WITH THE ASSOCIATED S. W. COLE ENGINEERING, INC. GEOTECHNICAL REPORT.

4. THE PURPOSE OF THIS PLAN IS ONLY TO DEPICT THE LOCATION OF THE EXPLORATIONS IN RELATION TO THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION AND IS NOT TO BE USED FOR CONSTRUCTION.



CITY OF ROCHESTER
EXPLORATION LOCATION PLAN
 NANCY LOUD ELEMENTARY SCHOOL SETTLEMENT ASSESSMENT
 5 COCHECO AVENUE
 ROCHESTER, NEW HAMPSHIRE

Job No. 23-1529.1 Scale 1" = 50'
 Date: 01/12/2024 Sheet 1

APPENDIX C

Exploration Logs and Key



BORING LOG

BORING NO.: B-1
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/8/2023
DATE FINISH: 11/8/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 229' +/- **TOTAL DEPTH (FT):** 16.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): No free water observed

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
▽ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
▽ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
▽ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
▽ After Drilling V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
			1D	⊗	0-2	24/12	3-2-3-4		0.5	6" Asphalt Pavement	
			2D	⊗	2-4	24/11	4-5-18-20		2.0	Loose, brown, Silty Gravelly fine to medium SAND (Fill)	
225	5		3D	⊗	5-7	24/5	16-22-13-10		5.0	Medium dense, Light brown, SAND some gravel trace silt (Fill)	
220	10		4D	⊗	10-10.4	5/2	50/5"			Dense to very dense, brown, Silty Gravelly fine to medium SAND (Fill)	
215	15		5D	⊗	15-15.5	6/2	32-25/0"		12.0	Very dense, light brown, SAND and GRAVEL some silt; occasional cobbles	

Auger Refusal at 16.0 feet
(Probable Boulder)

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-1



BORING LOG

BORING NO.: B-2
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/8/2023
DATE FINISH: 11/8/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 229' +/- **TOTAL DEPTH (FT):** 31.8 **LOGGED BY:** Sean Hlywa
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 12 ft Soils appear saturated below 12 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
∇ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
∇ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
∇ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Field / Lab Test Data	Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD					
			1D	∇	0.2-2.2	24/14	3-4-4-4		0.2	3" Concrete Slab		
			2D	∇	2.2-4.2	24/14	4-3-2-3			Loose to medium dense, brown, fine to medium SAND some gravel trace silt (FILL)		
225	5		3D	∇	5-7	24/15	4-7-9-11					
			4D	∇	7-9	24/14	6-9-8-8					
220	10		5D	∇	10-12	24/19	5-7-7-9		10.0	Medium dense, light brown, fine to medium SAND some silt		
			6D	∇	12-14	24/18	8-9-9-11	ID 23414s w =20.1 %	12.0	Medium dense, light brown-gray, fine SAND some silt	∇	
215	15		7D	∇	15-17	24/20	7-7-8-9					
			8D	∇	17-19	24/24	3-4-4-4	q _p =4 ksf	17.0	Medium to stiff, brown, SILT and CLAY some fine sand		
210	20		9D	∇	20-22	24/24	2-2-2-2	q _p =2 ksf				
205	25		10D	∇	25-26.2	14/4	3-3-50/2"	q _p =2.5 ksf	26.0	Very dense, brown, Silty SAND and GRAVEL		
200	30		11D	∇	30-31.8	21/21	11-23-28-50/3"					

Spoon Refusal at 31.8 feet
(Probable Boulder or Bedrock)

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-2

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: B-3
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/8/2023
DATE FINISH: 11/8/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 229' +/- **TOTAL DEPTH (FT):** 31.5 **LOGGED BY:** Sean Hlywa
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 20 ft Soils appear saturated below 20 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
∇ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
∇ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
∇ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
∇ After Drilling V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Field / Lab Test Data	Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD					
			1D	∇	0-2	24/10	2-4-4-4		0.3	3" Grassed Topsoil		
			2D	∇	2-4	24/12	3-2-3-3			Very loose to loose, brown, fine to medium SAND some gravel trace silt; with asphalt (FILL)		
225	5		3D	∇	5-7	24/41	2-2-1-2					
			4D	∇	7-9	24/14	1-1-1-1					
220	10		5D	∇	10-12	24/14	1-2-4-4		10.0	Loose, light brown, SAND some gravel trace silt		
									12.0	Stiff, brown, Clayey SILT trace fine sand		
215	15		6D	∇	15-17	24/24	3-3-4-5	q _p =3.5 ksf				
210	20		7D	∇	20-22	24/24	1/12"-2-3	q _p =1 ksf	20.0	Medium, gray, Silty CLAY trace fine sand	∇	
205	25		8D	∇	25-27	24/24	1-2-3-4	q _p =1.5 ksf				
200	30		9D	∇	30-31.5	18/18	10-13-26		28.0	Dense, brown, SAND and GRAVEL some silt		

Bottom of Exploration at 31.5 feet

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-3

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: B-5
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/8/2023
DATE FINISH: 11/8/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 230' +/- **TOTAL DEPTH (FT):** 31.5 **LOGGED BY:** Sean Hlywa
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 20 ft Soils appear saturated below 20 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
∇ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
∇ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
∇ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
∇ After Drilling V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
			1D	⊗	0-2	24/6	1-2-2-4		0.3	3" Grassed Topsoil	
			2D	⊗	2-4	24/13	5-7-7-8		2.0	Medium dense, brown, Gravelly fine to medium SAND trace silt (FILL) Medium dense, light brown, SAND some gravel some silt (Fill)	
225	5		3D	⊗	5-7	24/14	4-7-9-9				
220	10		4D	⊗	10-10.9	11/7	30-50/5"		10.0	Dense, brown-orange, Silty Gravelly SAND Large Cobble	
215	15		5D	⊗	15-17	24/15	6-6-8-9		15.0	Medium dense, light brown, fine to medium SAND trace silt	
210	20		6D	⊗	20-22	24/13	6-7-8-12		20.0	Medium dense to dense, brown, Gravelly SAND some silt	∇
205	25		7D	⊗	25-27	24/14	18-20-25-21				
200	30		8D	⊗	30-31.5	18/14	7-14-19				

Bottom of Exploration at 31.5 feet

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-5

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: B-7
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/9/2023
DATE FINISH: 11/9/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 225' +/- **TOTAL DEPTH (FT):** 48.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): 16 ft Soils appear saturated below 16 feet

GENERAL NOTES:
KEY TO NOTES AND SYMBOLS: Water Level
▽ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
▽ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
▽ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
▽ V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks	
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD					Field / Lab Test Data
			1D	⊗	0-2	24/16	1-3-4-4		0.6	8" Grassed Topsoil		
			2D	⊗	2-4	24/14	4-5-5-5		2.0	Loose, brown, fine to medium SAND, some gravel, some silt		
220	5		3D	⊗	5-7	24/15	3-5-7-10			Loose, tan, SAND some gravel trace silt		
215	10		4D	⊗	10-12	24/16	3-5-5-7					
210	15		5D	⊗	15-17	24/24	2-4-6-8		16.0	Loose, tan, fine SAND some silt	▽	
205	20		6D	⊗	20-22	24/16	2-4-5-7					
200	25		7D	⊗	25-27	24/24	WOH-2-2-2	q _p =2 ksf	25.4	Medium, gray SILT and CLAY trace fine sand		
195	30											
190	35											
185	40											
180	45											

Bottom of Exploration at 48.0 feet Probed to probable bottom of clay layer at 48 feet

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-7

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: B-8
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/9/2023
DATE FINISH: 11/9/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 225' +/- **TOTAL DEPTH (FT):** 48.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Cased Boring
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** N/A / N/A **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** 4 in / 4 1/2 in **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): No free water observed

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
▽ At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
▽ At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
▽ After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
▽ After Drilling V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
			1D	⊗	0-2	24/16	2-3-3-4		0.2	3" Grassed Topsoil	
			2D	⊗	2-4	24/12	4-4-5-6			Loose, tan, SAND some silt some gravel	
220	5		3D	⊗	5-7	24/16	2-3-4-6		5.0	Loose to medium dense, tan, fine SAND some silt	
215	10		4D	⊗	10-12	24/13	4-6-5-5				
210	15		5D	⊗	15-17	24/13	5-6-5-8				
205	20		6D	⊗	20-22	24/24	1-1-1/12"	q _p =1.5 ksf	20.0	Medium, gray, SILT and CLAY some fine sand	
200	25		7D	⊗	25-27	24/24	WOH/24"	q _p =1.0 ksf	25.0	Medium, gray, Silty CLAY	
195	30		1U	■	30-32	24/24		w =42 % W _L =46 W _p =23 S _v =0.79/0.12ksf S _v =0.85/0.14ksf			
			1V	□	32.2-33	9/9					
			1V'	□	32.8-33.6	9/9					
190	35										
185	40		2V	□	40.2-41	9/9		S _v =1.1+ (No Rotation)ksf			
180	45		8D	⊗	45-47	24/24	2-8-9-11		45.0	Medium dense, brown, Silty SAND and GRAVEL	

Casing Refusal at 48.0 feet
(Probable Boulder or Bedrock)

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-8

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: B-9
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/9/2023
DATE FINISH: 11/9/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 224' +/- **TOTAL DEPTH (FT):** 35.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 10 ft Soils appear saturated below 10 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS:
Water Level
∇ At time of Drilling
▼ At Completion of Drilling
▼ After Drilling
D = Split Spoon Sample
U = Thin Walled Tube Sample
R = Rock Core Sample
V = Field Vane Shear
Pen. = Penetration Length
Rec. = Recovery Length
bpf = Blows per Foot
mpf = Minute per Foot
WOR = Weight of Rods
WOH = Weight of Hammer
RQD = Rock Quality Designation
PID = Photoionization Detector
S_v = Field Vane Shear Strength, kips/sq.ft.
q_u = Unconfined Compressive Strength, kips/sq.ft.
Ø = Friction Angle (Estimated)
N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
			1D	∅	0-2	24/16	1-2-5-5		0.6	8" Grassed Topsoil	
			2D	∅	2-4	24/12	5-5-5-7		2.0	Loose, brown, fine to medium SAND some silt some gravel	
	5		3D	∅	5-7	24/14	5-7-7-9			Loose to medium dense, tan, SAND trace silt trace gravel	
	10		4D	∅	10-12	24/14	6-7-7-7		10.0	Loose to medium dense, brown, fine SAND some silt	∇
	15		5D	∅	15-17	24/24	3-3-6-6				
	20		6D	∅	20-22	24/22	2-2-1-2	q _p =1.0 ksf	20.8	Medium, gray SILT and CLAY trace fine sand	
	25		7D	∅	25-27	24/24	WOH/24"	q _p =1.0 ksf			
	30										
	35										

Bottom of Exploration at 35.0 feet

Probed to probable bottom of clay layer at 35 feet

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-9



BORING LOG

BORING NO.: B-10
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/8/2023
DATE FINISH: 11/8/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 225' +/- **TOTAL DEPTH (FT):** 27.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 10 ft Soils appear saturated below 10 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS:
 Water Level ∇ At time of Drilling
 ∇ At Completion of Drilling
 ∇ After Drilling
 D = Split Spoon Sample
 U = Thin Walled Tube Sample
 R = Rock Core Sample
 V = Field Vane Shear
 Pen. = Penetration Length
 Rec. = Recovery Length
 bpf = Blows per Foot
 mpf = Minute per Foot
 WOR = Weight of Rods
 WOH = Weight of Hammer
 RQD = Rock Quality Designation
 PID = Photoionization Detector
 S_v = Field Vane Shear Strength, kips/sq.ft.
 q_u = Unconfined Compressive Strength, kips/sq.ft.
 Ø = Friction Angle (Estimated)
 N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
			1D	∇	0-2	24/16	1-2-3-3		12" Grassed Topsoil		
			2D	∇	2-4	24/15	3-3-2-4		Loose, brown-orange, Silty fine SAND, some gravel		
			3D	∇	5-7	24/17	5-5-5-6		Loose, tan, Silty fine SAND		
220	5		4D	∇	10-12	24/13	4-5-4-5			∇	
215	10		5D	∇	15-17	24/24	2-3-5-6	q _p =4 ksf	Medium to stiff, gray, SILT and CLAY some fine sand		
210	15		6D	∇	20-22	24/24	1-1-2-2	q _p =1.5 ksf	Medium, gray Silty CLAY some fine sand		
205	20		7D	∇	25-27	24/24	WOR/12" WOH/12"	q _p =1.5 ksf			
200	25										

Bottom of Exploration at 27.0 feet

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-10



BORING LOG

BORING NO.: B-11
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 11/9/2023
DATE FINISH: 11/9/2023

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** 226' +/- **TOTAL DEPTH (FT):** 40.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** Jeff Lee **DRILLING METHOD:** Hollow Stem Auger
RIG TYPE: Track Mounted CME 850 **AUGER ID/OD:** 2 1/4 in / 5 5/8 in **SAMPLER:** Standard Split-Spoon
HAMMER TYPE: Automatic **HAMMER WEIGHT (lbs):** 140 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** N/A
HAMMER CORRECTION FACTOR: 1.44 **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): ∇ 11 ft Soils appear saturated below 11 feet

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS:
Water Level
∇ At time of Drilling
▼ At Completion of Drilling
▼ After Drilling
D = Split Spoon Sample
U = Thin Walled Tube Sample
R = Rock Core Sample
V = Field Vane Shear
Pen. = Penetration Length
Rec. = Recovery Length
bpf = Blows per Foot
mpf = Minute per Foot
WOR = Weight of Rods
WOH = Weight of Hammer
RQD = Rock Quality Designation
PID = Photoionization Detector
S_v = Field Vane Shear Strength, kips/sq.ft.
q_u = Unconfined Compressive Strength, kips/sq.ft.
Ø = Friction Angle (Estimated)
N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD				
225			1D	∇	0-2	24/12	2-3-3-3		0.3	4" Grassed Topsoil	
			2D	∇	2-4	24/17	2-2-3-2		2.0	Loose, brown, fine to medium SAND trace silt trace gravel	
	5		3D	∇	5-7	24/17	3-3-4-5			Loose, tan, fine SAND some silt	
220											
	10		4D	∇	10-12	24/17	3-4-5-3				
215											
	15		5D	∇	15-17	24/18	1-2-4-5				
210											
	20		6D	∇	20-22	24/24	2-1-1-2		20.0	Medium, gray, SILT and CLAY some fine sand	
205											
	25										
200											
	30										
195											
	35										
190											
	40										

Bottom of Exploration at 40.0 feet

Probed to probable bottom of clay layer at 40.0

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: B-11

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24



BORING LOG

BORING NO.: HB-1
SHEET: 1 of 1
PROJECT NO.: 23-1529.1
DATE START: 1/3/2024
DATE FINISH: 1/3/2024

CLIENT: City of Rochester
PROJECT: Nancy Loud Elementary School Site Assessment
LOCATION: 5 Cochecho Ave, Rochester, NH

Drilling Information

LOCATION: See Exploration Location Plan **ELEVATION (FT):** N/A **TOTAL DEPTH (FT):** 8.0 **LOGGED BY:** Emma Dennis
DRILLING CO.: S. W. Cole Explorations, LLC **DRILLER:** _____ **DRILLING METHOD:** Core Drill / Hand Sampler
RIG TYPE: _____ **AUGER ID/OD:** N/A / N/A **SAMPLER:** _____
HAMMER TYPE: N/A **HAMMER WEIGHT (lbs):** 70 / 300 **CASING ID/OD:** N/A / N/A **CORE BARREL:** _____
HAMMER CORRECTION FACTOR: _____ **HAMMER DROP (inch):** 30 / 16
WATER LEVEL DEPTHS (ft): No free water observed

GENERAL NOTES:

KEY TO NOTES AND SYMBOLS: Water Level
 At time of Drilling D = Split Spoon Sample Pen. = Penetration Length WOR = Weight of Rods S_v = Field Vane Shear Strength, kips/sq.ft.
 At Completion of Drilling U = Thin Walled Tube Sample Rec. = Recovery Length WOH = Weight of Hammer q_u = Unconfined Compressive Strength, kips/sq.ft.
 After Drilling R = Rock Core Sample bpf = Blows per Foot RQD = Rock Quality Designation Ø = Friction Angle (Estimated)
V = Field Vane Shear mpf = Minute per Foot PID = Photoionization Detector N/A = Not Applicable

Elev. (ft)	Depth (ft)	Casing Pen. (bpf)	SAMPLE INFORMATION					Graphic Log	Sample Description & Classification	H ₂ O Depth	Remarks	
			Sample No.	Type	Depth (ft)	Pen./ Rec. (in)	Blow Count or RQD					Field / Lab Test Data
			1D		0-2	24/5	2-3-4-3		0.2	2" Concrete slab		
			2D		2-4	24/5	3-2-6-WOH/6		2.0	Loose, dark brown, Silty SAND and GRAVEL; with visable voids below the existing slab (Fill)		
									3.5	VOID from 3.5 to 4 feet		
			3D		4-6	24/4	WOH/18-1		4.0	Loose, brown, Silty SAND and GRAVEL; with wood and brick fragments (Fill)		
	5		4D		6-8	24/3	2-2-1-3		6.0	Very loose, brown, Silty SAND and GRAVEL; with wood and brick fragments (Fill)		

Bottom of Exploration at 8.0 feet
 Borehole collapsed after spoon retrieval - could not advance further

BORING / WELL 10-12-2022 23-1529.1.GPJ SWCE TEMPLATE.GDT 1/12/24

Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING NO.: HB-1

KEY TO NOTES & SYMBOLS

Test Boring and Test Pit Explorations

Stratification lines represent the approximate boundary between soil types and the transition may be gradual.

Key to Symbols Used:

w	-	water content, percent (dry weight basis)
q _u	-	unconfined compressive strength, kips/sq. ft. - laboratory test
S _v	-	field vane shear strength, kips/sq. ft.
L _v	-	lab vane shear strength, kips/sq. ft.
q _p	-	unconfined compressive strength, kips/sq. ft. – pocket penetrometer test
O	-	organic content, percent (dry weight basis)
W _L	-	liquid limit - Atterberg test
W _P	-	plastic limit - Atterberg test
WOH	-	advance by weight of hammer
WOM	-	advance by weight of man
WOR	-	advance by weight of rods
HYD	-	advance by force of hydraulic piston on drill
RQD	-	Rock Quality Designator - an index of the quality of a rock mass.
γ _T	-	total soil weight
γ _B	-	buoyant soil weight

Description of Proportions:

Trace:	0 to 5%
Some:	5 to 12%
"Y"	12 to 35%
And	35+%
With	Undifferentiated

Description of Stratified Soils

Parting:	0 to 1/16" thickness
Seam:	1/16" to 1/2" thickness
Layer:	1/2" to 12" thickness
Varved:	Alternating seams or layers
Occasional:	one or less per foot of thickness
Frequent:	more than one per foot of thickness

REFUSAL: Test Boring Explorations - Refusal depth indicates that depth at which, in the drill foreman's opinion, sufficient resistance to the advance of the casing, auger, probe rod or sampler was encountered to render further advance impossible or impracticable by the procedures and equipment being used.

REFUSAL: Test Pit Explorations - Refusal depth indicates that depth at which sufficient resistance to the advance of the backhoe bucket was encountered to render further advance impossible or impracticable by the procedures and equipment being used.

Although refusal may indicate the encountering of the bedrock surface, it may indicate the striking of large cobbles, boulders, very dense or cemented soil, or other buried natural or man-made objects or it may indicate the encountering of a harder zone after penetrating a considerable depth through a weathered or disintegrated zone of the bedrock.

APPENDIX D

Laboratory Test Results



Report of Gradation

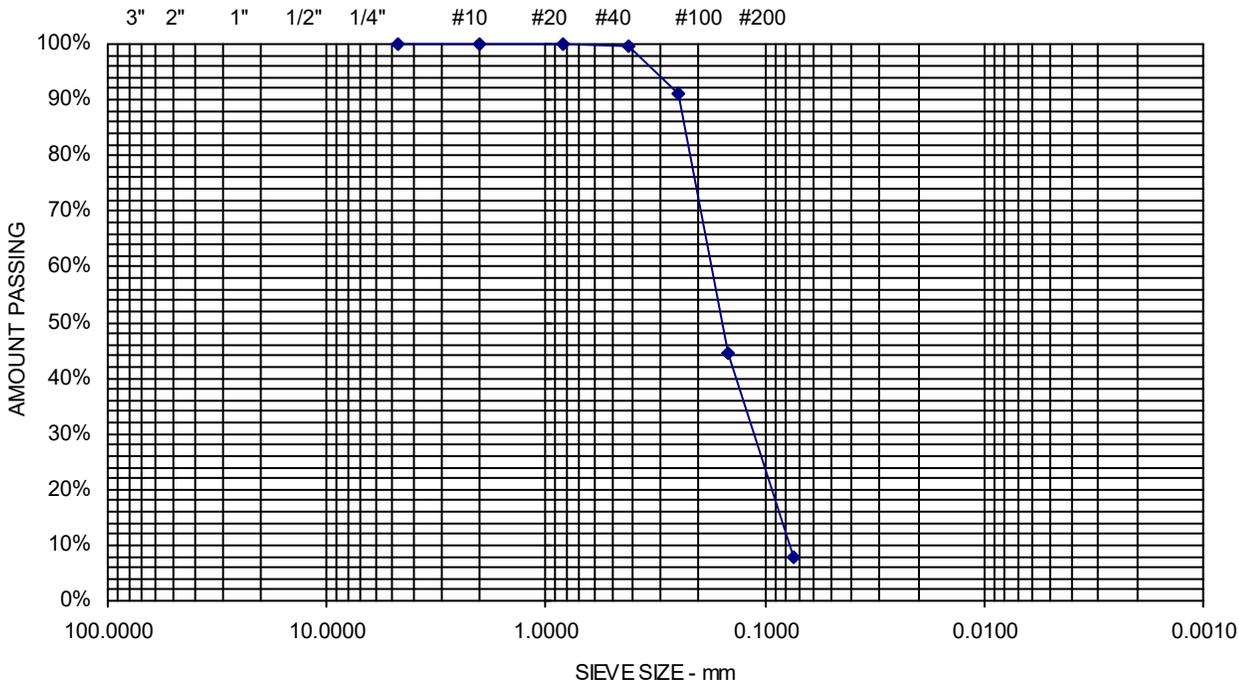
ASTM C-117 & C-136

Project Name ROCHESTER NH - NANCY LOUD ELEMENTARY SCHOOL SITE
 ASSESSMENT - EXPLORATIONS AND GEOTECHNICAL
 Client CITY OF ROCHESTER, NEW HAMPSHIRE

Project Number 23-1529.1
 Lab ID 23414S
 Date Received 12/4/2023
 Date Completed 12/6/2023
 Tested By BRADLEY GERSCHWILER

Material Source **B-2, 6D, 12.0'-14.0'**

<u>STANDARD DESIGNATION (mm/μm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	
4.75 mm	No. 4	100	0% Gravel
2.00 mm	No. 10	100	
850 μm	No. 20	100	
425 μm	No. 40	100	92.1% Sand
250 μm	No. 60	91	
150 μm	No. 100	45	
75 μm	No. 200	7.9	7.9% Fines



Comments: Moisture Content = 20.1%

Sheet



Report of Gradation

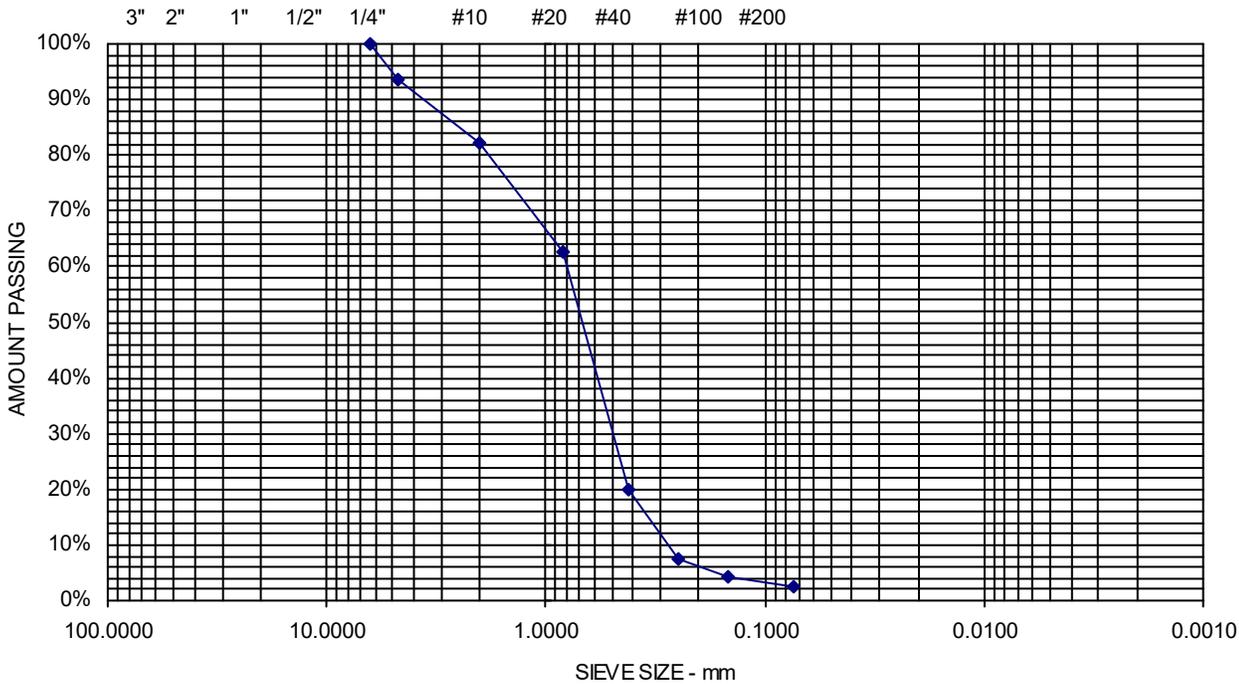
ASTM C-117 & C-136

Project Name ROCHESTER NH - NANCY LOUD ELEMENTARY SCHOOL SITE
 ASSESSMENT - EXPLORATIONS AND GEOTECHNICAL
 Client CITY OF ROCHESTER, NEW HAMPSHIRE

Project Number 23-1529.1
 Lab ID 23417S
 Date Received 12/4/2023
 Date Completed 12/6/2023
 Tested By BRADLEY GERSCHWILER

Material Source **B-4, 5D, 10.0'-12.0'**

<u>STANDARD DESIGNATION (mm/μm)</u>	<u>SIEVE SIZE</u>	<u>AMOUNT PASSING (%)</u>	
6.3 mm	1/4"	100	
4.75 mm	No. 4	94	6.4% Gravel
2.00 mm	No. 10	82	
850 μm	No. 20	63	
425 μm	No. 40	20	91.1% Sand
250 μm	No. 60	7	
150 μm	No. 100	4	
75 μm	No. 200	2.6	2.6% Fines



Comments: Moisture Content = 4.2%

Sheet



From the desk of Matt Wyatt
 Rochester City Hall
 31 Wakefield Street
 Rochester, NH 03867

Wednesday, November 1, 2023

Dear resident,

The Public Information and Community Engagement Office for the City of Rochester is pleased to announce an upcoming listening session to hear public input regarding the future of the recently decommissioned Nancy Loud School.

The aim of the listening session is to allow for residents to speak to city officials directly about what they would like to see happen with the property. There will be a microphone for residents to speak on their positions. Each individual will be limited to 5 minutes in order to allow as many speakers as possible. Priority will be given to East Rochester residents, especially those living within the immediate vicinity of the property.

An informal panel of representatives from Economic Development, Planning and Development, Public Safety, and Recreation will be present to answer general questions and concerns raised by attendees. No formal presentation is planned as there are no official proposals for the property at this time.

A geotechnical study to determine the soil conditions is scheduled for later in the year. This study will assist in understanding the overall soil conditions at the location, which is necessary before any plans can be considered. Ultimately, City Council will be presented with recommendations based upon this data and public input to determine the future of this property.

The listening session will take place on Monday, November 13th, from 6:00 pm to 8:00 pm, in the gymnasium of the East Rochester School, located at 773 Portland Street. The session is open to the public and the neighborhood is strongly encouraged to participate.

We hope to see you there.

Sincerely,

MATT WYATT

Matt Wyatt
 Public Information & Community Engagement Manager
 City of Rochester, NH

Mark Sullivan

From: Kenneth G. Marshall <kmarshall@fbra.com>
Sent: Tuesday, March 12, 2024 4:44 PM
To: Mark Sullivan
Cc: Katie Ambrose
Subject: RE: Rochester-Nancy Loud School-Follow up

Caution: External email.

Mark,

I don't think we are comfortable making those kind of safety recommendations but you might want to reach out to a company like Construction Risk Management in Concord NH to get some guidance on mitigating risk to the public around this building.

Kenneth G. Marshall, P.E.

Associate Principal



Massachusetts | New Hampshire | Maine | Georgia
www.fbra.com | [LinkedIn](#)

Foley Buhl Roberts & Associates, Inc.

500 Commercial Street | Manchester, NH 03101
 T: 603-622-4578 (Ext 201) D: 603-237-1413
 E: kmarshall@fbra.com

From: Mark Sullivan <mark.sullivan@rochesternh.gov>
Sent: Tuesday, March 12, 2024 1:48 PM
To: Kenneth G. Marshall <kmarshall@fbra.com>
Cc: Katie Ambrose <Katie.Ambrose@rochesternh.gov>
Subject: RE: Rochester-Nancy Loud School-Follow up

Hi Ken,

Following up with another question that hopefully you can provide some guidance. I spoke to Keith Kelley at Harvey Construction who provided the initial quote for the shoring. Mr. Kelley also recommended we close the small playground directly behind the building. We have posted the building no entry and have placed a caution fence around the playground. However, we have a community pool (uncovered) and small pool house building approximately 100-150 feet from the rear of the building. In addition, there is a single family residence approximately 75 feet from the right side of building. Is there any concern about the proximity of the public pool and residence in the event of a partial or total collapse before shoring can be completed? The public pool is an open area no buffer. The residence is buffered by a small tree line, and chain link fence. Please let me know when you can. Appreciate your assistance.

Mark

Mark Sullivan
 Director of Finance
 603-509-1908
mark.sullivan@rochesternh.gov

From: Kenneth G. Marshall <kmarshall@fbra.com>
Sent: Wednesday, March 6, 2024 1:03 PM
To: Mark Sullivan <mark.sullivan@rochesternh.gov>
Cc: Katie Ambrose <Katie.Ambrose@rochesternh.gov>
Subject: RE: Rochester-Nancy Loud School-Follow up

Caution: External email.

Mark,

Before any further review of the building is conducted we'd recommend that the building be shored as we noted in our original assessment. It's currently not safe for occupancy and we don't recommend giving anyone (including ourselves) access until the shoring is complete.

Kenneth G. Marshall, P.E.

Associate Principal



Massachusetts | New Hampshire | Maine | Georgia
www.fbra.com | [LinkedIn](#)

Foley Buhl Roberts & Associates, Inc.

500 Commercial Street | Manchester, NH 03101

T: 603-622-4578 (Ext 201) D: 603-237-1413

E: kmarshall@fbra.com

From: Mark Sullivan <mark.sullivan@rochesternh.gov>
Sent: Wednesday, March 6, 2024 12:02 PM
To: Kenneth G. Marshall <kmarshall@fbra.com>
Cc: Katie Ambrose <Katie.Ambrose@rochesternh.gov>
Subject: RE: Rochester-Nancy Loud School-Follow up

Hi Ken,

Sorry for the delay in response. I concur with your assessment. So, would a logical next step be contracting with your firm to do another review of the building, incorporate SW Cole's findings, and work with a specialty contractor on a project quotation ?

Mark

Mark Sullivan
 Director of Finance
 603-509-1908
mark.sullivan@rochesternh.gov

From: Kenneth G. Marshall <kmarshall@fbra.com>
Sent: Monday, February 12, 2024 11:38 AM
To: Mark Sullivan <mark.sullivan@rochesternh.gov>
Cc: Katie Ambrose <Katie.Ambrose@rochesternh.gov>
Subject: RE: Rochester-Nancy Loud School-Follow up

Caution: External email.

Mark,

Thanks for the call and sending us the final report from S.W. Cole regarding their investigation at the Nancy Loud School.

We find their report consistent with our findings given the condition of the foundations that we observed. In a case like this our recommendations would be consistent with those of the Geotechnical Engineer. We agree that a complete new foundation seems to be required in order to stabilize the foundation of the building. Remove of or bypassing the uncontrolled fill is going to be required and a specialty contractor would be best able to provide you with some cost estimates for that work. We'd be happy to assist in any way we can and have a good working relationship with S.W. Cole. Our role in the process would perhaps be geared toward assessing the superstructure of the building to determine if it's structurally worth spending the money on a new foundation and on working with the Geotechnical engineer to determine the type of new foundation best suited for the building.

Given our previous assessment that the building is unsafe for occupancy, we would recommend that the back wall of the building be shored before anyone is allow access to the building for further study.

Please give me a call if you want to discuss the next steps.

Thanks,

Kenneth G. Marshall, P.E.
 Associate Principal



Massachusetts | New Hampshire | Maine | Georgia
www.fbra.com | [LinkedIn](#)

Foley Buhl Roberts & Associates, Inc.
 500 Commercial Street | Manchester, NH 03101
 T: 603-622-4578 (Ext 201) D: 603-237-1413
 E: kmarshall@fbra.com

From: Mark Sullivan <mark.sullivan@rochesternh.gov>
Sent: Friday, February 9, 2024 4:05 PM

To: Kenneth G. Marshall <kmarshall@fbra.com>
Cc: Katie Ambrose <Katie.Ambrose@rochesternh.gov>
Subject: Rochester-Nancy Loud School-Follow up

Hi Mr. Marshall,

Thanks for taking the time to speak with me today regarding the Nancy Loud School. Attached is an updated geotechnical assessment of the school grounds performed by SW Cole. Essentially the soils are good on the location, but poor fill directly under the school is the contributor to the sinking. Looks like a new foundation is needed. However, we don't want to make that assumption without qualified opinions. The Rochester School Department has closed the school permanently, and turned the property over to the City for disposition of the building. City needs to make a decision in the coming months on whether it's feasible to replace and save the School, or perform a demolition. I appreciate your assistance, and look forward to your review. Thanks

Mark

Mark Sullivan
 Director of Finance
 603-509-1908
mark.sullivan@rochesternh.gov

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Mark Sullivan

From: Brian Stevens <bstevens@crmusa.com>
Sent: Tuesday, March 19, 2024 10:39 AM
To: Mark Sullivan
Subject: Re: City of Rochester-School

Caution: External email.

Mark,

So the relevant standard, ANSI A10.6-2006 (R2016) Safety and Health Program Requirements for Demolition Operations, has some helpful information:

6.3 Whenever possible, pedestrian and vehicular traffic should be prohibited from using any area that is closer to the perimeter of the structure being demolished than one-fourth of the height of that structure.

I think this is a good general guideline. However, due to the especially poor condition of the southeast side of the building, I would recommend that pedestrians be excluded in that direction for 120% of the height of the building. Unfortunately, I think this closes a portion of the playground, but I feel that this would be the prudent course of action until the building is stabilized or removed.

Best,
 Brian

Brian Stevens, PhD, CIH, CSP



46 S. Main St., Unit 1
 Concord, NH 03301
 o: [603-225-3335](tel:603-225-3335)
 m: [603-686-0143](tel:603-686-0143)
bstevens@crmusa.com

On Thu, Mar 14, 2024 at 12:20 PM Mark Sullivan <mark.sullivan@rochesternh.gov> wrote:

Hi Brian,

Nice speaking with you today. Attached is the Foley Buhl structural engineers report of Nancy Loud School, built in 1880s. Also attached is a soil borings report prepared by SW Cole. The school is located at 5 Cocheco Ave Rochester, NH. Below is link to the City's GIS map, this is a good tool to see the location. Enter 5 Cocheco Ave in the Find Address

search bar, and scroll in for a good zoom. You'll be able to see everything on the site.

[Rochester NH - Web GIS \(arcgis.com\)](#)

Mark

Mark Sullivan

Director of Finance

603-509-1908

mark.sullivan@rochesternh.gov

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2024

March Department Reports:

- 6.1 Assessor's Office P. 79**
- 6.2 Building and Licensing Services P. 81**
- 6.3 City Clerk's Office P. 83**
- 6.4 Department of Public Works P. 87**
- 6.5 Economic & Community Development P. 95**
- 6.6 Finance Office P. 99**
- 6.7 Planning & Development Department P. 103**
- 6.8 Recreation & Arena P. 109**
- 6.9 Rochester Fire Department P. 113**
- 6.10 Rochester Police Department P. 119**
- 6.11 Rochester Public Library P. 123**
- 6.12 Tax Collector's Office P. 127**
- 6.13 Welfare Department P. 131**

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City Clerk's Office

03/14/2024

ROCHESTER ASSESSING DEPARTMENT

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: Ashlynn Marshall, Assessor I

Date: April 10, 2024

Ref: March's Monthly Report for Assessing Department

OVERVIEW

1. Personnel Updates

Lauren Forte has completed her one-on-one field training and can now obtain her Certified Measurer-Lister designation from the Department of Revenue.

2. Notable Items Related to Ongoing Operations

Approximately 21 Religious, Charitable, and educational 3rd and final notice letters were mailed out for the BTLA A-9 form.

Elderly, Disabled and Veteran credit applications continue to be accepted and processed for both new and renewal applicants. The deadline to apply is April 15, 2024.

Permit-related inspections continue to occur and should be wrapping up shortly.

We continue to conduct a full field review of all residential properties in anticipation of the upcoming Revaluation in 2024.

Tax map changes that were approved after April 1, 2023, are now entered into Vision CAMA software for the 2024 tax year.

3. Training

Darcy Freer attended a NHA AO meeting on 03/18/2024

4. Staff Kudos

The Assessing Department would like to Congratulate Lauren Forte on completing her hours to obtain her Measurer and Lister Certification. This is not an easy accomplishment and takes a lot of time and commitment.

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City Clerk's Office

Building and licensing services

Monthly Report

To: Katie Ambrose, City Manager

Date: March 2023

Ref: Monthly Report for Building and Licensing Services

Overview

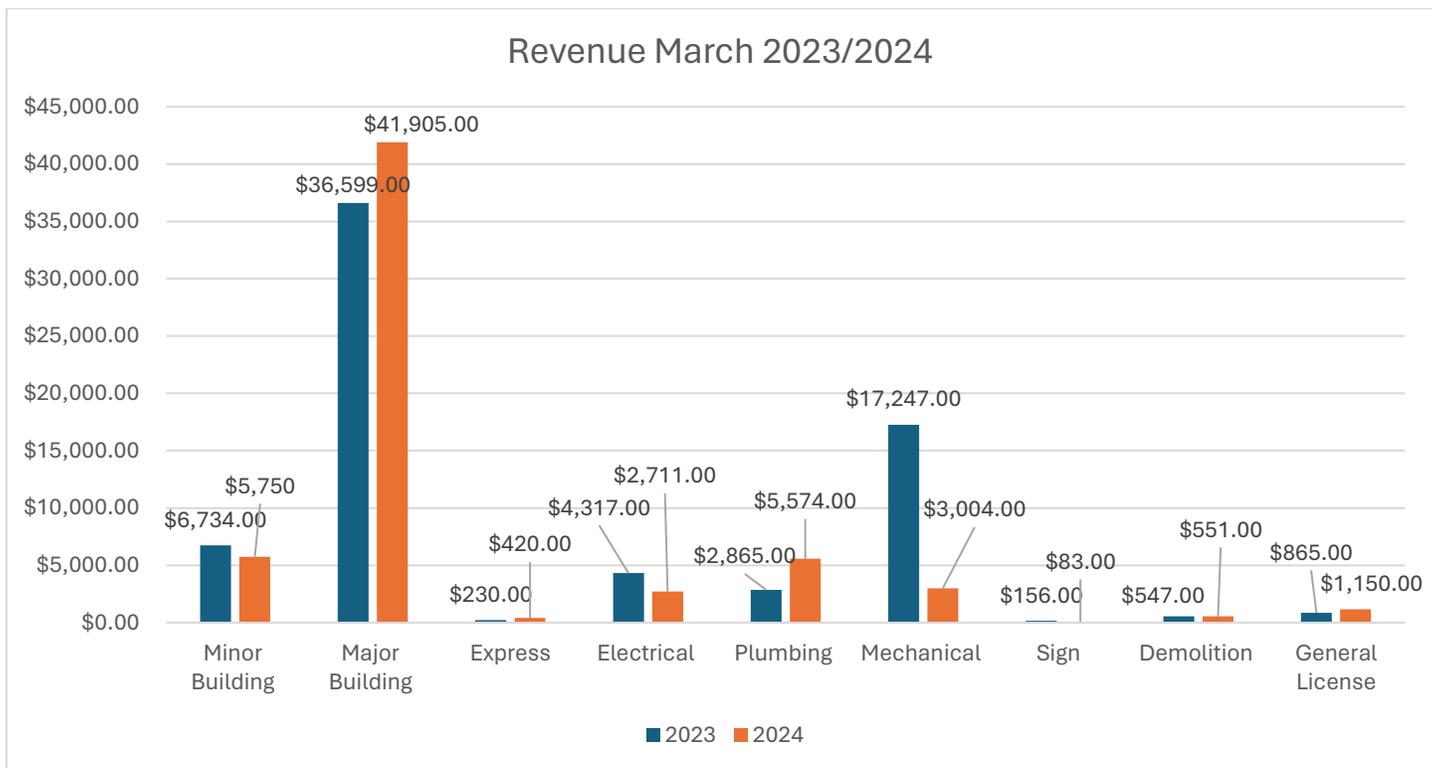
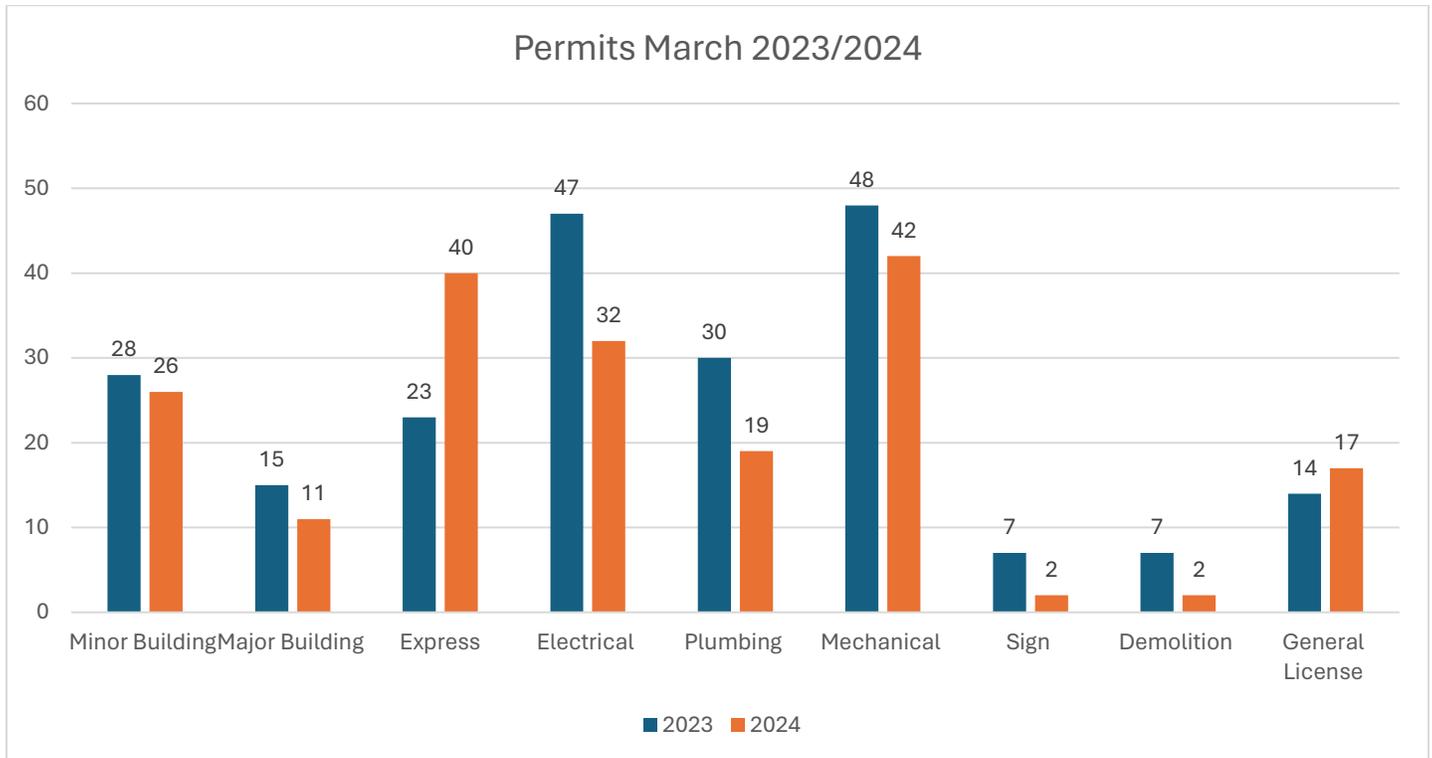
Notable Items Related to Ongoing Operations

The following data is subject to adjustment & revision pending further review and analysis as well as year-end closing adjustments.

Department Revenue

Permit Type	March 2024
Building Permits	\$48,709.00
Electrical Permits	\$2,711.00
Plumbing Permits	\$5,574.00
Fire Suppression Permits	\$0.00
Fire Alarm Permits	\$200.00
Sprinkler Permits	\$453.00
Mechanical Permits	\$3,004.00
Food Milk Licenses	\$650.00
Taxi Licenses	\$0.00
General Licenses	\$500.00
Net Revenue	\$61,801.00

Permit Break Down



ROCHESTER CITY CLERK'S OFFICE

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024 – March 31, 2024

Date: 4/9/24

Ref: Monthly Report for the City Clerk's Office

OVERVIEW

1. Vital Statistics Updates

22 babies were born to Rochester residents throughout the state of NH in the month of March.

29 resident deaths were reported in Rochester for the month of March.

There were no couples who celebrated their wedding ceremonies in Rochester during the month of March, although 3 Rochester couples were married elsewhere in the State this month.

2. Vital Records Revenue

The City Clerk staff issued 213 initial copies of vital records (birth, death, marriage, or divorce) and 159 subsequent copies of vital records. There were 14 marriage licenses issued by staff in March.

The chart below shows a comparison between revenue collected in March of 2024 versus March of 2023

	2023		2024	
	State	City	State	City
Initial/Subsequent copies:	\$2,842	\$2,593	\$2,499	\$2,286
Marriage Licenses:	\$850	\$91	\$602	\$98
Total:	\$3,401	\$2,684	\$3,101	\$2,384

The City Clerk's office fulfilled 4 vital records fee waiver requests in the month of March. The Clerk's office, in collaboration with the Welfare department, is able to accept these waivers in lieu of payment (both the City and State portion) to assist low income and/or homeless Rochester

residents in obtaining their NH vital records. These records can be crucial for residents to obtain State ID, Housing, and other benefits.

3. Dog Licensing

The City Clerk's Office licensed 268 dogs in the month of March. There were no late fees or civil forfeitures collected. March is typically the start of our busy dog licensing season, and the City Clerk's office is preparing to send out our annual licensing reminder. This email is sent the last week of March to all customers who have included an email address on their account advising them that there is one month until the licensing deadline. Following the reminder email, the City Clerk's Office expects to see hundreds and hundreds of online licenses within the first weekend.

The City Clerks office in cooperation with the Animal Control Officer is starting to prepare for our annual spring rabies clinic. This clinic allows local dog and cat owners to get their pets vaccinated for rabies without a medical exam fee. City Clerk staff will also be on hand to license Rochester dogs for the new licensing year. This year, the rabies clinic will take place Saturday, May 11 from noon to 2 PM. The clinic is open to all who wish to attend; you do not have to be a Rochester resident.

Dog licenses are due by April 30th of each year for all dogs residing in the City. Up-to-date rabies vaccination and Rochester residency are the only requirements to receive a dog license.

4. Election Updates

The breakdown of registered voters in Rochester as March 31, 2024 is shown below:

Ward	Democrats	Republicans	Undeclared	Totals
1	971	1,173	1,118	3,262
2	914	1,173	1,076	3,163
3	814	1,196	1,013	3,023
4	777	867	1,205	2,849
5	829	1,190	1,108	3,127
6	852	865	920	2,637
Totals:	5,157	6,464	6,440	18,061

There were 1,744 changes to the voter checklist in March, including 12 new voters not previously registered (or not previously registered in their current ward), changes to address, name changes, and party affiliation changes. There were two removals due to death or moving out of the voting district. Please note that all changes made to the voter checklist are "pending"

and not official until they are accepted by the Supervisors of the Checklist at their next scheduled session, which will be prior to the September Primary Election.

The City Council will be voting in April to authorize the use of new ballot counting devices to replace the aging Accuvote machines currently in service. There are two vendors whose products have been conditionally certified by the State for use in NH Elections; Voting Works and LHS. Currently, LHS has not met all required conditions for use. The State requires that any machines purchased *must* be used at the September primary in order to be used at the November General Election. Due to the unknown timeline of LHS receiving the required certification and taking into account the timeline for manufacturing of equipment, delivery, and training, the Clerk's office does not feel LHS would be a viable option for use during the current Election year. If purchase of the new ballot counting devices is approved by City Council, the City of Rochester will likely receive the equipment in August at which time election officials will be trained in anticipation of the September State Primary.

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City Clerk's Office



ROCHESTER DPW – HIGHWAY/FLEET DIVISION MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024-March 31, 2024

Date: April 5, 2024

Ref: Monthly Report for DPW – HIGHWAY FLEET DIVISION

OVERVIEW

1. Personnel Updates

The Highway / Fleet Division is still down a Fleet Mechanic.

2. Notable Items Related to Ongoing Operations

Fleet division worked on several breakdowns also they have finished major repairs to a couple of six-wheel dump trucks, replaced exhaust gas recirculation cooler, fan clutch in the bucket truck and preventive maintenance. Highway staff repaired 2 failed storm water structures, potholes, and roadside tree work throughout the city. Installed and repaired several signs throughout the city. Also, Highway staff completed 120 work orders and 74 service requests. Staff cleaned 100 catch basins throughout the city. The crew went out 2 times treating and plowing for winter events. (7" of snow .50 freezing rain and 1" sleet)



3. Notable Events Related to Unusual Operations

The highway has been busy cleaning trees throughout the city from the ice storm. Crew has been cleaning catch basins. cleaned trash alongside some roads. The crew ditched Bickford Rd and Evens Rd. Graded dirt roads. Started to sweep roads also.

4. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

Crew will be continuing roadside trimming and clean up from storm, upcoming spring events and catch basin cleaning. We will continue street sweeping with good weather and maybe start painting crosswalks. We will be doing more roadside trash clean up.

5. Staff Kudos

I would like to say Kudos to the staff for their great job dealing with the snow, sleet, and freezing rain event.

ROCHESTER DPW – UTILITIES DIVISION

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024-March 31, 2024

Date: April 5, 2024

Ref: Monthly Report for DPW – UTILITIES DIVISION

OVERVIEW

1. Notable Items Related to Ongoing Operations

Operators responded to and completed over 200 work orders and service requests.

Focus was largely on inspecting sewer mains and manholes using an acoustic assessment device. Over 226 inspections of this type were performed and over 50,000ft of mainline was assessed.

2. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

Staffing shortages combined with almost daily emergency or unscheduled responses has delayed routine and necessary water distribution and sewer collection systems maintenance.

3. Staff Kudos

Kudos to staff for keeping up with workload demands including winter operations and after hour emergencies while being shorthanded.

4. Training

Avoiding Near Misses- Identify, Report and Prevent

Proper Maintenance and Operations of Hydrants, Valves, Pumps and Fittings.



ROCHESTER DEPARTMENT OF PUBLIC WORKS MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024-March 31, 2024

Date: April 5, 2024

Ref: Monthly Report for DPW-BUILDING AND GROUNDS

OVERVIEW

1. Personnel Updates

Sharon Cosme will be starting as custodian on 4/8/24

2. Notable Items Related to Ongoing Operations

We are still waiting on Eversource sign off on the project to put the solar array system online.

Alarm system at the community center has been replaced.

The City Hall roof drain project is in the process of being awarded, work is expected to start in the month of May.

Large graffiti removal project completed on Dewey St bridge.

Interior repairs to buildings ongoing (wall repairs and painting)



ROCHESTER DEPARTMENT OF PUBLIC WORKS MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024-March 31, 2024

Date: April 5, 2024

Ref: March Monthly Report for the DPW-GIS/ASSET MANAGEMENT DIVISION

OVERVIEW

1. Notable Items Related to Ongoing Operations

Continued development of a series of Story Maps for public consumption that cover topics such as Drinking Water, Wastewater, Stormwater, Pavement and Sidewalk management.

Ongoing improvements to the GIS-based Computerized Maintenance Management System (CMMS) to better track service requests, work orders, and inspections. Began testing a CMMS workflow that can be applied to “vertical assets” such as City vehicles, and indoor assets at the water and wastewater treatment facilities.

Ongoing updates to our Utility systems layers following new development and redevelopment.

Ongoing updates to the City’s master address table (MAT) GIS layers for use by various departments and integrations with other City software.

Finalized migration of our vehicle tracking devices to Verizon’s new system.

Various mapping assistance for City Departments.

Completed a drone photography mission for the City Attorney.



ROCHESTER DEPARTMENT OF PUBLIC WORKS MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024-March 31, 2024

Date: April 5, 2024

Ref: Monthly Report for DW- Water Treatment Facility

OVERVIEW

1. Notable Items Related to Ongoing Operations

Treated water volume this month was 46.2 million gallons from the surface water facility and 10.5 million gallons from the groundwater plant for a total of 56.7 million gallons delivered to our customers.

All water quality testing and monitoring was completed in accordance with NHDES requirements.

First quarter disinfection byproducts remained within compliance levels.

Watershed inspections were conducted at all reservoirs; all ponds remain at capacity. The diversion dam and gatehouse were inspected for any damage due to heavy river flow – none noted. Debris was removed from Tufts Pond.

Equipment and grounds maintenance was performed at the plant, well, and tanks/stations. The instrument power system for Eisenhower tank suffered storm damage to eth solar panels; repairs are underway. Spring cleaning at several stations continued.

Maintenance at the Cocheco Well included wellhead inspection, repairs to the bicarbonate feed system, and housekeeping.

Maintenance at the Surface Water Treatment Facility included repairs to the sand filter pump controls, general telemetry components, and transfer switch due to the severe storm and power outages. Additional mudball removal and caustic washing was necessary for the sand filter. Snow and wind damage cleanup at all locations is underway. Preparation for cleaning and inspection of the sedimentations basins will continue into next month.



2. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

Water department staff are preparing for spring hydrant flushing using a primarily conventional technique while targeting water age in specific neighborhoods.

Cellular antenna improvements at Rochester Hill Tank are under review and expected to commence within the next few weeks.

3. Staff Kudos

All staff continue to demonstrate excellence in operating a public drinking water system, especially during the winter storm operations and recovery.

4. Training

Operations and licensure training for all water department staff (treatment and distribution/utility) has been scheduled through the spring.

Staff attended a DPW hosted training session for piping and hydrant installation and maintenance best practices.

5. Other

The 2023 Consumer Confidence Report is being prepared for release.

Planning department staff toured the surface water treatment plant this month.

ROCHESTER ECONOMIC DEVELOPMENT DEPARTMENT

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1, 2024 - March 31, 2024

Date: April 1, 2024

Ref: Monthly Report for Economic Development Department

OVERVIEW

1. New Projects & Project Updates

- CM Ambrose, Director Scala, and others met with the state DPW, and General Services to discuss the new Courthouse design and timeline for construction. The build is currently planned to start in spring '25 and will take around 15 mos.
- The Howard continues to pre-lease and remains on schedule to open in May-June.
- 22 S. Main (Vetter) is on track to open their commercial space in June and the residential sometime in May.
- The pre-construction meeting for the Casino has taken place, with a targeted opening for January 2025.

Mike Scala

2. New Businesses and Business Updates

- Jenn is working with the Small Business Administration, Small Business Development Center, and the Tri City Chambers to host a "Funding Fair" for local businesses. The Event will be April 2nd.
- Bean Me Up and Fallen Leaf closed their doors.

Jenn Marsh

3. Community Development Project Updates

- The Community Development Coordinator and Community Development Committee met with the final applicants for FY25 CDBG and General City Funding.
- First Public Hearing for the FY25 Annual Action Plan was held on March 19, 2024.
- Public Hearing held for East Seals Update on the Champlin Place project.
- The Community Development Coordinator met with the FY24 CDBG Subrecipients during the month of March

Kiersten Wright

4. Boards & Commissions Updates

- The Child Care Work Team met to discuss next steps.
- Rochester Main Street started planning for Rochester Cares Clean Up Day in collaboration with the Rec Department. The event will be held on Saturday, April 20th from 9:00 – 12:00. To ensure that there is plenty of lunch for everyone, volunteers are encouraged to sign up here: [Rochester Main Street: Rochester Cares Clean Up Day \(signupgenius.com\)](https://signupgenius.com)
- The Riverwalk is working on the design of the Overlook and the update for the Riverwalk Master Plan.
- The Rochester Economic Development Commission is working with RKG Associates to update their REDC Strategic Plan. RKG will present to the Planning Board on May 20th and hopefully the City Council in June.

Carole Glenn

Jenn Marsh

5. Training & Staff Development

N/A

6. Other

- Mike and Jenn met with The NH Department of Employment Security to discuss ideas and workforce needs in Rochester.
- Jenn continues to work with the new hosts of Wings and Wheels for a June 1st event at Skyhaven Airport.

Jenn Marsh

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City Clerk's Office

ROCHESTER FINANCE DEPARTMENT

MONTHLY REPORT

To: Katie Ambrose City Manager

From: March 1, 2024 –March 31, 2024

Date: April 9, 2024

OVERVIEW

1. Personnel Updates

Stacie Berkowitz is our new Accountant I, and has started training with accounts payable and daily banking duties.

2. Notable Items Related to Ongoing Operations

Finance Office on the FY25 Operating and Capital Improvement budget materials.

3. Notable Events Related to Unusual Operations

Finance continues to work on the Debt Books debt tracking module. Targeted implementation date is March 31, 2024. * The implementation was been moved to early May-24. Reason being the debt module is fairly complicated and requires significant cross referencing for accuracy.

4. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

Continuing efforts on staff training

5. Staff Kudos

All of Finance staff, Chad, Ava, Ann & Angie continue to perform well, and are always willing to take on new challenges, and assist in the training of Stacie.

Rochester FINANCE Department

6. Affected Business Processes or Systems

None

7. Training

8. Other- March-24 Monthly Financial Summary reports.

<u>GENERAL FUND NON PROPERTY TAX REVENUES</u>				
	FY24 ADOPTED	RECEIVED	PERCENT	NOTES
Motor Vehicle Registrations	\$5,500,000	\$4,268,089	78%	
Wastemangement Host Fees	\$4,600,000	\$2,942,805	64%	City-\$3,722,000 School-\$878,000
Building Permits	\$550,000	\$306,829	56%	
Interest Income	\$750,000	\$1,181,007	157%	
Interest on Delinquent Taxes	\$360,000	\$261,948	73%	
State of NH Rooms & Meals	\$2,867,759	\$3,101,285	108%	Payment December-23
Highway Block Grant	\$635,000	\$517,161	81%	Quarterly cycles
Cablevision Franchise Fees	\$235,000	\$134,779	57%	Quarterly cycles
Recreation Programs	\$122,400	\$131,876	108%	
ENTERPRISE FUNDS REVENUES				
Water	\$7,544,084	\$2,974,045	39%	
Sewer	\$11,744,213	\$4,073,620	35%	
SPECIAL REVENUE FUNDS REVENUES				
Arena	\$413,290	\$405,270	98%	
Community Center	\$894,759	\$602,344	67%	

Rochester FINANCE Department

	FY24 ADOPTED	EXPENDED	ENCUMBERED	PERCENT
GENERAL FUND EXPENSES	\$61,018,430	\$51,623,762	\$1,502,242	87%
OVERTIME & WINTER MAINTENANCE				
Police	\$111,546	\$149,307		133.85%
Dispatch	\$44,000	\$146,386		332.70%
Fire	\$240,000	\$394,816		164.51%
Public Works Winter Maintenance	\$541,218	\$357,659	\$18,344	69%
ENTERPRISE FUNDS EXPENSES				
Water	\$7,544,084	\$5,017,106	\$108,624	68%
Sewer	\$11,976,177	\$8,540,408	\$292,674	74%
SPECIAL REVENUE FUNDS EXPENSES				
Arena	\$413,290	\$318,871	\$29,602	84%
Community Center	\$894,759	\$614,148	\$71,954	77%

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City Clerk's Office

ROCHESTER PLANNING DEPARTMENT

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1 to 30, 2024

Date: April 3, 2024

Ref: Monthly Report for Planning Department

OVERVIEW

1. Notable Items Related to Land Use Boards

APPLICATIONS REVIEWED BY THE PLANNING BOARD

Planning Board met March 4, 2024 for their Regular Meeting and March 18, 2024 for their Workshop Meeting.

This section completed by Jaclyn Millard, Admin Assistant II

City of Rochester, 27 Maple Street (Norway Plains/Scott Lawler) Site Plan to construct parking lot for School Case# 121 – 191 – R2 – 24 ***PUBLIC HEARING ONLY***

Robert Higgins Revocable Trust, 381 Washington Street (Norway Plains Associates/ Glenn Griswold) 2-Lot Subdivision Case# 250 – 32-2 – A – 24 ***APPROVED***

Morgan & Kimberlyn Edgerly, 142 Tebbetts Road (Norway Plains Associates/ Glenn Griswold) 3-Lot Subdivision Case# 244 – 5 – A – 24 ***APPROVED***

Granite State Housing, LLC, 5 Crockett Street (Northam Survey/Eric Salovitch) 3-Lot Subdivision Case# 127 – 89 – R1 – 24 ***APPROVED***

Fieldstone Land Consultants, PLLC/All Purpose Storage Rochester, LLC, 303 North Main Street (Fieldstone Land Consultants/Chad Branon and Brandon Richards) Amendment to Approved Site Plan to construct 6 new parking spots and removal of existing pavement and parking islands. Case# 114 – 8 – B2 – 03 ***CONTINUED to April 1, 2024 meeting***

Myhre Family Revocable Trust/Grant Myhre, Trustee, 15 Piper Lane (Norway Plains Associates/ Glenn Griswold) 5-Lot Subdivision Case# 250 – 28 – A – 22 ***EXTENSION approved to April 5, 2024***

Humoresque, LLC/Paul Delisle, 1 Old Dover Road (Norway Plains) Site Plan to convert commercial office space into 11 residential spaces Case# 132 – 41 – NMU – 23 **APPROVED**

The Planning Board also discussed:

- 1) Updating the Porkchop Subdivision section of the ordinance to come more in line with the newly updated Chapter 223 Streets and Sidewalks Ordinance, as well as provide additional life safety provisions.
- 2) December 2023 and January 2024 Inspections
- 3) Review of Surety
 - a) Release of Surety

APPLICATIONS REVIEWED BY THE ZONING BOARD OF ADJUSTMENT

Zoning Board of Adjustment met on March 13, 2024

This section completed by Jaclyn Millard, Administrative Assistant II

Z-24-08 Kevin Coppinger Seeks a *Variance* from Table 19-A to permit the construction of a garage within the front setback. **Location:** 60 Stillwater Circle, Map 261 Lot 57 in the Agricultural Zone.

*The Zoning Board **DENIED** the Variance citing that hardship criteria have not been met.*

Z-24-09 Philip Pelletier Seeks a *Variance* from Table 19-A to permit construction of a shed 4-feet from the property line where 20-feet is required. **Location:** 7 Silver Street, Map 120 Lot 13 in the Residential-2 Zone.

*The Zoning Board **APPROVED** the Variance citing that all criteria have been met.*

Z-24-10 Green Mountain, LLC/ Chick-fil-A Seeks a *Special Exception* from Table 18-A and Section 22 to permit a food stand. **Location:** 160 Washington Street, Map 130 Lot 38 in the Highway Commercial Zone.

*The Zoning Board **APPROVED** the Special Exception citing that all criteria have been met.*

Z-24-11 Matthew Hilgendorf & Michelle Ciani Seek a *Variance* from Table 19-A to permit construction of an accessory dwelling unit using the same footprint as the previous structure. **Location:** 8 Trestle Road, Map 104 Lot 39 in the Residential-2 Zone.

*The Zoning Board **APPROVED** the Variance citing that all criteria have been met.*

Z-24-12 Matthew Hilgendorf & Michelle Ciani Seek a *Special Exception* from Section 23.2.A(1)(a) to permit a detached accessory dwelling unit. **Location:** 8 Trestle Road, Map 104 Lot 39 in the Residential-2 Zone.

The Zoning Board CONTINUED the case to the April 10, 2024 meeting to allow the applicant to be present to answer questions.

Z-24-13 Matthew Hilgendorf & Michells Ciani Seek a *Variance* from Section 2.2 to permit a Dwelling, Two Family to no occupy its own individual lot. **Location:** 8 Trestle Road, Map 104 Lot 39 in the Residential-2 Zone.

The Zoning Board CONTINUED the case to the April 10, 2024 meeting to allow the applicant to be present to answer questions.

APPLICATIONS REVIEWED BY THE HISTORIC DISTRICT COMMISSION

The Historic District Commission met March 20, 2024.

This section completed by Jaclyn Millard, Administrative Assistant II

Matthew Wyatt, Rochester Main Street, 31-43 North Main Street; Tax Map 121 Lot 374
– New Sign **APPROVED ADMINISTRATIVELY**

The Historic District Commission also discussed:

- 4) Historic and Cultural Master Plan Chapter Update
- 5) Election of Officers
 - a) Chair – Molly Meulenbroek
 - b) Vice Chair – Peter Bruckner

APPLICATIONS REVIEWED BY THE CONSERVATION COMMISSION

Conservation Commission met on March 27, 2024

This section completed by Jaclyn Millard, Admin Assistant II

- 6) Conservation Overlay District Applications:
 - a) **All Purpose Storage; Tax Map 114 Lot 8** Proposed wetland buffer impacts for construction of commercial storage units **APPROVED**
 - b) **0 Milton Road; Tax Map 210 Lot 4** Conceptual Review of proposed use for Milton Road property
- 7) NH DES Applications:
 - a) **Forestry Statutory Permit-by-Notification; Tax Map 233 Lot 1; 24-00327**
Commission members requested more information on permit activity

- b) **Issued: Wetlands and Non-Site Specific Permit 2023-03125, Tax Map 108 Lot 50**
No Concerns
 - c) **Request for More Information: Standard Dredge and Fill Wetlands Permit 2024-00005; Tax Map 216 Lot 9 (Farmington Road)** No Concerns
 - d) **Under Technical Review: Standard Dredge and Fill Wetlands Permit 2024-00447; Transmission Line Y170 Right of Way** No Concerns
 - e) **Groundwater Management Permit Renewal NHDES Site 199405007; Tax 103 Map 67 (9 Highland Street)** No Concerns
- 8) **Notice of Intent to Cut Wood or Timber:**
- a) Intent to Cut: Tax Map 208 Lot 12; 23-389-10-T (0 Farmington Road)
 - b) Intent to Cut: Tax Map 108 Lot 50; 23-389-11-T (797 Portland Street)
 - c) Intent to Cut: Tax Map 258 Lot 9; 23-389-12-T (90 Church Street)
- 9) **New Business:**
- a) Confirm member contact information
 - b) Review Grant Opportunities
 - c) Turtle Resources
 - d) Conservation Land for Proposed Elementary School
- 10) **Reports:**
- a) Technical Review
 - b) Planning Board Review

ARTS AND CULTURE COMMISSION ACTIVITIES

The Arts and Culture Commission did not meet in March 2024, however were forwarded a draft of the new Historic and Cultural Master Plan for review.
This section completed by Jaclyn Millard, Admin Assistant II.

2. Notable Events Related to Land Use Board Workshop Items

Porkchop subdivision portion of the Zoning Ordinance. 275-21.4.M

The purpose of a porkchop subdivision is to help preserve the scenic character of neighborhoods by encouraging owners of parcels along existing roads and streets to concentrate subdivision to one side of the parcel and retain the remainder as open space and allowing some minimal level of development on parcels with significant acreage in the rear in order to avoid inducing property owners to develop culs-de-sac at a higher level of development. Porkchop subdivisions are allowed subject to the following requirements:

- (1) Quality of project. A finding by the Planning Board that the proposed development is superior to development that would likely occur otherwise.
- (2) Parcel size. The development parcel shall have a minimum size of six gross acres and minimum frontage of 150 feet on an existing public way.
- (3) Three lots. There shall be a maximum of three lots created from any one lot.
- (4) Minimum lot size. The minimum lot size for each new lot shall be 40,000 square feet or the minimum lot size for the district, whichever is greater.
- (5) Average lot size. The average lot size for new lots in the porkchop subdivision shall be at least 120,000 square feet or 1.5 times the minimum lot size for the district, whichever is greater.
- (6) Frontage. The minimum frontage for each new porkchop lot shall be 50 feet.
- (7) Common access. All lots shall be entered from a common access point.
- (8) Separate driveway. Each porkchop subdivision shall have a common driveway independent from any other subdivision.
- (9) No further subdivision. There shall be no further subdivision of any of the porkchop lots other than lot line adjustments.
- (10) Single-family. The porkchop lots shall be used for single-family use only.
- (11) Width. The all-season passable width of any shared driveway shall be 20 feet when serving two or more lots.
- (12) Easement width. The width of the common driveway access easement shall be 30 feet. Additional width may be required to accommodate slope and drainage easements.
- (13) Turnaround. An acceptable turnaround for the fire trucks may be required.
- (14) Recording. A document satisfactory to the City Attorney shall be recorded establishing the conditions of use of any common driveway, providing for indemnification for the City for emergency services, and including suitable language to ensure that the private way will not become a City road or street.

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City Clerk's Office

DEPARTMENT OF RECREATION & ARENA

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: Sarah Ward, Business Coordinator

Date: 4/2/2024

OVERVIEW

1. Personnel Updates

Notable Items Related to Ongoing Operations

Rochester Rec Youth Basketball championship games were held on March 5th. Trophies were handed out to the winning players and coaches. The new Rec Youth Cheer squad cheered during the Grade 5/6 and Grade 7/8 Championship Games and performed a halftime routine for the crowd.

March 12th was a teacher's workshop day and we hosted Family Open Gym and Spaulding High/Bud Carlson Academy Open Gym. On March 15th and 22nd we hosted 18+ Open Gym.

The Senior Breakfast had roughly 50 attendees. Rec Staff, RPD Community Engagement Officer Kimbrough, Deputy Fire Chief Hughes and Fire Inspector Castles all helped cook breakfast. Students in the SHS Raider Pathways program helped serve breakfast.

An additional highlight this last month was a presentation by Coast Guard Lieutenant Commander Kris Furtney. Kris was a part of the Coast Guard's rescue mission to save fisherman when they got caught out at sea during the "Perfect Storm". Kris, along with the other Coast Guard crew members aboard the Tamaroa, battled through a difficult rescue to try and find the fisherman as well as a downed Coast Guard Helicopter. It was a fascinating story of courage and determination as the 30 attendees were given details not given in the movie "The Perfect Storm".

On March 27, 11 of us headed up to Oxford Casino in Oxford, Maine to test our luck. If we were all being honest, we would have to say that the "joy was in the journey". None of us hit the jackpot per se. However, we came back richer for time spent together. Lots of talk, sharing of stories and laughter once again filled the van as we drove. Time together, having fun - win\win for all of us.

The final Learn to Skate session took place in March with 27 participants.

The 2023-2024 Ice Season at the Rochester Arena ended on March 31. A summary of the season will be included in the April report.

2. Notable Events Related to Unusual Operations

Spaulding Boys Basketball Boosters hosted their Fast Break Tournament on March 8 through March 10 in the Community Center Gym. There were 21 teams (approximately 250 athletes) from New Hampshire and Maine. The Rochester boys team won the Boys B division and Exeter won both the Boys A and Girls divisions. The money raised from this tournament goes towards Rochester Boys Basketball Boosters to help support the high school basketball program.

On March 22 we worked with the New Hampshire Food Bank to host a mobile food distribution at the Arena. They gave out 10,933 pounds of food to 262 households/743 individuals on this day. At the Rochester Arena location over the last couple of years they have given out over 67,000 pounds of food to over 4,000 people. Their format of distribution allows people to drive up to their truck and bags of food are provided to them with no questions asked.

The Skate with a Cop/Guns & Hoses vs SHS Alumni Game was held on Sunday, 3/24 at the Rochester Arena. This is a collaborative event between the Police Department and Rec Department. We estimate there were 75 skaters, and the bleachers were almost full for the game! Money raised through suggested donations went to support the medical expenses of a SHS high school student.

3. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

4. Staff Kudos

We would like to recognize Dave Robart and Paul Cormier this month. Dave and Paul are the Youth Basketball Program Leads. Paul has been a Youth Basketball Program Lead for approximately 10 years and Dave for 6 years. These two men are so in tune with how to run this program that it makes everyone else's job much easier. They help recruit volunteer coaches, they evaluate players, they run the draft, they're here for at least 8 Saturdays in a row for 8 hours setting up and breaking down, making sure things run smoothly, training coaches, training student workers, officiating...you name it, they do it. They certainly go above and beyond to represent the Recreation & Arena Department and to organize and run a great program for upwards of 400 youth in grades 1-12, at least 25 volunteer coaches and 12-15 paid staff. Paul and Dave are also willing to help us out with other events. Dave will be taking over as Head Coach of our Granite State Track & Field team in 2024.



5. Affected Business Processes or Systems

Bathroom renovations at the Senior Activity Center were completed. The two original bathrooms were replaced with an ADA compliant bathroom. They say there is no place like home. That truth has been felt by the Seniors as they returned home to the Senior Activity Center. Along with the rest of the regular programming, 55+ Bingo was back in full action, and we were able to have our Senior Breakfast once again. It was a great feeling to be back in full operation mode and it was clear that the Seniors were happy to be home.

6. Training

Sarah Ward, Business Coordinator, attended the HeathTrust Webinar "Quality Sleep from A to Zzzz". This is one of a series of short webinars focused on employee wellness. Ryan Trepanier, Facilities and Operations Supervisor, continues to maintain his license as a Certified CPR/AED/First Aid Instructor.

Ben Gregoire, Facilities and Operations Attendant, recently earned his certification as a patched New Hampshire Lacrosse official.

7. Other

Adult Pickleball (Sundays)	65
Adult Pickup Sports	123
Adult Volleyball	110
Cardio Fitness with Heidi	120
FOG Drop In (Sunday)	68
FOG Reservation (Sunday)	41
Holiday FOG	52
Homeschool Open Gym	10
Iyengar Yoga	13
Kundalini Yoga	18
Learn To Skate	24
Line Dancing	21
Pickleball for Beginners	10
Pop-up FOG	24
Public Ice Skating	597
RSAC Presentation	20
Senior Breakfast/Cookout	50
Senior Mobility Class	17
Senior Pickleball Weekday	485
Senior Power Hour	315
Senior Trips	11
Senior Yoga Chair	20
Senior Zumba Gold	85
SHS/BCA open Gym	143
Skate with a Cop	75
Table Tennis	10
Teen Night	93
Toddler Play Group	116
Grand Total	2736

ROCHESTER FIRE DEPARTMENT MONTHLY REPORT

To: Katie Ambrose, City Manager

From: March 1 – March 31

Date: April 9, 2024

Ref: Monthly Report for Fire Department

OVERVIEW

1. Personnel Updates

Shift Staffing:

- Full Staffing – 10 personnel on-duty – **16% of shifts in March**
- One FF Short – 9 personnel on-duty – **84% of shifts in March**

Personnel:

- Currently, all positions at the FD are filled

Notable Items Related to Ongoing Operations

TYPE OF CALL	04/2023 – 03/2024 Previous Year (Calendar)	March 2023	March 2024
Building Fires	120	3	0
Cooking Fires	10	1	0
Vehicle Fire	15	0	1
Carbon Monoxide Present	31	0	5
Emergency Medical Calls	1191	91	104
Vehicle Accidents (Injury)	134	14	12
Vehicle Accidents (No Injury)	69	14	26
Alarms	424	24	38
Service Calls	180	0	17
Other	985	65	172
TOTAL CALLS	3159	212	375

Operations

- March 2024 was a busy month for Rochester Fire. We had 2 weather events and several serious working fires in the communities we share borders with.
- On March 1st we were dispatched for assistance to the town of North Berwick, ME, we sent an engine and Shift Commander to North Berwick for a multi-alarm structure fire.
- On March 4th we were dispatched to assist Milton Fire and Rescue with a 2nd alarm structure fire at a residence on Route 75. As crews were clearing that call, we were directed to assist with a 2nd alarm fire at the Jellystone Campground in Milton, NH. This fire unfortunately destroyed a major building in the campground.



- On March 11th the City was hit by a rainstorm that also brought strong winds. We had several calls for trees and wires that were down. One home received significant damage from a falling tree.

- On March 18th we were dispatched to assist Dover Fire at the Rochester/Dover line on the Spaulding Turnpike for a 3500-gallon oil truck that had rolled over and was leaking hundreds of gallons of fuel. EPA was called for the clean-up process.



- On March 21st we were dispatched to assist the City of Sanford in a 3rd alarm structure fire. Our crews and truck 6 were pivotal in stopping the fast wind driven fire.

- From March 23rd - March 24th we were hit by a snowstorm that eventually turned into the city being blanketed by ice and strong winds. Our crews responded to 105 total calls in this 36-hour timeframe. We responded to multiple trees and wires down. We worked closely with DPW, Eversource and Rochester Police Department to keep roads open and people safe.

- On March 30th we were dispatched to assist Lee Fire Department in a 3rd alarm structure fire that burned several large barns. We responded with a tanker and a Shift Commander to assist.
- On March 31st Easter Sunday, we were dispatched to assist Barrington Fire Department in a 3rd alarm structure fire. Our engine was first to arrive on scene and RFD members were credited with getting inside the old farmhouse and stopping the fire from spreading from the attached barn.
- We also started a new EMS training platform called Prodigy this month. RFD members can now log into a personalized account and manage all required EMS training through this site. This has been a great addition to our current training catalog.

Community Risk Reduction

During the month of March, the division noted an increase of place of assembly and mercantile inspection requests.

Chief Dube and Fire Marshal Hughes attended local schools to read books in support of National Reading Month.

Fire Inspector John Castles attended Fire Warden training with the NH Division of Forests and Lands.

FY24 Community Risk Reduction and Prevention Services

Inspections Completed	Approvals & Reviews	Active Permits	Car Seat Installations		
329	616	57	21		
Permits Issued	Sprinkler	Fire Alarms	Hood Suppression	Tank Removal	
162	27	15	2	1	
\$12,617	\$9,191	\$2,546	\$174	\$25	
Blasting	Place of Assembly	Pyrotechnics	Fire & Life Safety	Food Truck	
3	44	1	75	1	
\$75	No Fees Associated	\$0	No Fees Associated	No Fees Associated	
Tents					
0					
No Fees Associated					

Emergency Management

Multi-Hazard Mitigation Plan Update

- Meeting #4 took place this month, with progress made toward finalizing the update to the plan.

Ready Strafford

- Chief Dube attended a meeting with leaders from other cities and towns to discuss and plan for an update to the plans used during public health emergencies affecting Strafford County communities. The meeting was proctored by the Strafford County Public Health Network. The plans up for review are:
 - Point of Dispensing (POD) Plan
 - Plan for dispensing vaccinations and medications
 - Multi-Agency Coordinating Entity (MACE)
 - Activated for command and control when multiple jurisdictions involved with public health emergencies

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City Clerk's Office



ROCHESTER POLICE DEPARTMENT MONTHLY REPORT

To: Katie Ambrose, City Manager
From: Gary M. Boudreau, Chief of Police
Date: 04/09/2024
Ref: Monthly Report for March 2024

OVERVIEW

1. Personnel Updates

Personnel: As we end March the department faces a vacancy rate of 18.4% with 12 of 65 full time sworn positions unfilled. Additionally 5 full time officers are in various stages of hiring processes with other agencies. With these openings, I have made the decisions to reassign our Community Engagement Officer, along with the two Problem Oriented Policing Officers back to the patrol division to help staff the division.

We are currently working on the creation of a recruitment position (we hope will be staffed in April) filled by an officer to lead efforts to attract new employees. We have begun discussion internally and externally concerning the creation of a department recruiting website, along with reviewing our hiring process to make it more efficient. Additionally, we are working with Human Resources on different online hiring platforms and forms of advertising to attract new candidates.

We had a strong show of support from current and former staff in recognizing Lieutenant Anthony Bossi's final salute as he retires from the City of Rochester after 23.5 years.

2. Notable Items Related to Ongoing Operations

ROCHESTER POLICE DEPARTMENT Incident Comparative Report By Classification

Range1 From Date: 2/1/2024 To Date: 2/29/2024

Range2 From Date: 3/1/2024 To Date: 3/31/2024

CFS Classification Code / Description	RANGE1	RANGE2	DIFF. +/-	PERCENT
0300 - ROBBERY	1	0	-1	-100%
0400 - AGGRAVATED ASSAULT	1	0	-1	-100%
0500 - BURGLARY	4	3	-1	-25%
0600 - THEFT	56	58	2	3%
0700 - MV THEFT	5	5	0	0%



0800 - SIMPLE ASSAULT	8	17	9	112%
1100 - FRAUD	20	12	-8	-40%
1400 - MALICIOUS MISCHIEF	17	13	-4	-23%
1500 - WEAPONS	9	10	1	11%
1700 - SEX OFFENSE ALL OTHERS	9	9	0	0%
2000 - FAMILY OFFENSE	30	33	3	10%
2100 - DWI / DUI	7	17	10	142%
2400 - DISORDERLY CONDUCT	26	32	6	23%
2600 - ALL OTHER OFFENSES	125	135	10	8%
2900 - RUNAWAYS	3	4	1	33%
4000 - NON CRIMINAL INCIDENTS	211	265	54	25%
4100 - FIRE RELATED	8	23	15	187%
4200 - SEARCH AND RESCUE	0	1	1	-
4500 - DEATHS / SUICIDES	0	1	1	-
5000 - LOST FOUND MISSING	23	33	10	43%
5010 - MISSING PERSONS	2	0	-2	-100%
5500 - ANIMAL COMPLAINTS	41	42	1	2%
6000 - MV CRASH INVESTIGATIONS	79	102	23	29%
6300 - TRAFFIC ENFORCEMENT	623	664	41	6%
6500 - PARKING ENFORCEMENT	18	44	26	144%
6600 - TRAFFIC RELATED SERVICE	52	54	2	3%
7000 - PUBLIC SERVICE	222	209	-13	-5%
7500 - ASSISTING OTHER AGENCIES	28	42	14	50%
7600 - SPECIAL UNIT ACTIVITY CODES	1	1	0	0%
8000 - WARRANTS LOCAL	53	17	-36	-67%
9000 - ADMINISTRATIVE DUTIES	714	722	8	1%
Totals	2396	2568	172	7.17%

3. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

We will be implementing a trial period of 10 hour shifts in patrol. This will allow for some shift overlap.



We had our Skate with a Cop and Guns & Hoses Hockey game at the Arena on March 24. Members of Rochester Police, Rochester Fire and a couple of high school students faced off against Spaulding Hockey Alumni. The Alumni took the win, 6-4, with the final goal scored on an empty net. A donation box raised \$440 for a SHS student's medical costs.

4. Training

All officers are being recertified in Advanced CPR and Naloxone administration.

Other notable training completed this period included: "Search and Seizure Mobile Enforcement." "Engaging and Building Partnerships with Muslim Americans" by the US Attorney's office. "Hostage Negotiation." "Advanced Digital Forensic Analysis: Windows." "The Reid Technique of Investigative Interviewing and Advanced Interrogation Techniques." "Peer Support 2024: A New Model for Today's Challenges." Field Training Officer." "Interview and Interrogation Laws: Miranda and Voluntariness." "Law Enforcement Leadership Development."





Library, April 10, 2024

ROCHESTER LIBRARY DEPARTMENT

MONTHLY REPORT

To: Katie Ambrose, City Manager

From: Patty Hardie, Secretary II

Date: April 10, 2024

Ref: Library Monthly Report for March

OVERVIEW

1. Notable Items Related to Ongoing Operations

There was a total of 12,687 items circulated with 9,064 people visiting the library in the month of March. Two hundred twenty-nine patrons used the library's Internet computers. Interlibrary loan activity included 112 materials borrowed from other libraries and 171 loaned to other libraries.

Saturday, March 2nd through March 8th families were welcomed to pick-up "Bunny Nose Mask" craft kits for a Take It & Make It at home craft project. The kits were available during Library business hours at the Children's Desk.

The *All-Abilities Club* was held on Monday, March 4th from 10-12pm in the community room. This inclusive program is geared towards adults with developmental disabilities and includes puzzles, coloring, cards, board games, and more.

The Friends of the Rochester Library Book Club met Monday, March 11th, and featured *The No. 1 Ladies' Detective Agency* by Alexander McCall Smith.

The Teen Advisory Board (TAB) meeting was held Monday, March 11th at 6pm. Teens were encouraged to come hang out, eat snacks, and share ideas for summer reading program setup and prizes. Anyone between the ages of 12 and 18 are welcome to attend.

Thursday, March 14th patrons were welcome to the library *Puzzle Swap* located in the Rose Room on the top floor of the library. The second Thursday of every month patrons are encouraged to bring in a puzzle from home they've already completed and take a different one home to enjoy.

Featured Adult Services Book Displays for the month of February included: *Women's History Month*, *LGBTQIA*, *Sci Fi*, *Basketball*, *Wildlife*, and *I Spy*. Also featured was an *I Spy* DVD display and *Now That's What I Call Music*, music CD display.

The Rochester Public Library is pleased to present the artwork of Marina Forbes during the month of March. A conversation with the award-winning artist was held on Tuesday, March 26th, 2024 from 6-7:30pm in the Rose Room. The exhibit "Paint Your Town Beautiful" featured

Library, April 10, 2024

picturesque architecture of Rochester with fascinating facts provided by local historians Bob Griffin and Kent Marzoli.

Four hundred – eight of our library patrons downloaded 2,155 e-books to media devices through the library's web site this month. The RPL website also enabled patrons access to the Mango Languages, Chilton, and Legal Forms databases along with 687 digital downloads from Hoopla & Kanopy.

2. Library Programming

Friday, March 1st – Sunday, March 31st all patrons were invited to join the Rochester Public Library staff in #NHReadingRivalry Spring Reading Challenge, Rochester vs. Dover. It was a challenge for each city to read as much as possible in the month of March. Rochester had a total of 229 readers with 262,854 minutes read.

Sunday, March 9th the Teen Room was pleased to host *Intermediate Dungeons and Dragons*. This was the 2nd installment of learning how to play Dungeons & Dragons. This was a more in-depth continuation of the first session that was held last month.

The library is pleased to host the Free Tax Aide by AARP, federal and state income tax filing assistance program Tuesdays, Thursdays, and Saturdays by appointment only from February 3rd through April 13th.

Saturday, March 16th the library was pleased to host Marilyn and Liz Haven for a *Drop-In Reiki Healing Circle*. To those curious about Reiki or have never heard of it, a circle is good for a first experience. New and experienced Reiki practitioners of all levels were welcomed as well.

Monday, March 18th, kids ages 7-12 were invited to participate in a Discovery Lab: Paper Airplanes program. This program helped the children create different types of paper airplanes and test their differences in flight.

This library was pleased to present *The Impact of COVID & Our Future* with Dr. Stephen Soreff. During the COVID-19 pandemic, Dr. Soreff kept a daily journal of what was happening in his life and the world. Participants were encouraged to join him to discuss the impact of this period in history and what can be done to minimize its negative effects on the future.

Friday, March 22nd the library was pleased to host a Stuffed Animal Sleepover. Children were invited to drop off a stuffed animal of their choosing to have a sleepover at the library. Due to a big snowstorm on Saturday the stuffed animals were treated to a multiple night sleepover, playing games, reading books, and having fun with the librarians.

Monday, March 26th, the library was proud to present a program about the upcoming eclipse with our very own Lead Librarian, Amy Lemelin. Each attendee was given a free pair of solar shades.

Library, April 10, 2024

Wednesday, March 27th the library was pleased to present an IFA Estate Planning Workshop. This was a free educational event discussing, the legal documents that make up an estate plan, what they mean and why they are needed.

Thursday, March 28th the children's room hosted an *Experience Art* program for children ages 6-12. Experience art (or process art) engages children in the experience and the process involved in creating, rather than the end result.

3. Other

Trustees will be meeting in the library on April 9th at 6pm.

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City Clerk's Office

ROCHESTER TAX COLLECTOR'S OFFICE

MONTHLY REPORT

To: Katie Ambrose, City Manager
 From: Rachel Laughner, Tax Collector
 Date: April 10, 2024
 Ref: Monthly Report for Mar 2024

OVERVIEW

City of Rochester Tax Collector's Office						
March 31, 2024						
Tax Year		Annual Warrant	Collected		Uncollected	
			Amount	%	Amount	%
2023	Semi Annual	73,627,445	71,895,164.40	97.65%	1,732,280.60	2.35%
2022		72,060,382	71,507,427.34	99.23%	552,954.66	0.77%
2021		69,388,398	68,990,200.49	99.43%	398,197.51	0.57%
2020		68,438,739	68,242,861.79	99.71%	195,877.21	0.29%
2019		66,169,796	66,002,113.92	99.75%	167,682.08	0.25%
2018		63,834,824	63,716,809.25	99.82%	118,014.75	0.18%
2017		60,524,791	60,449,973.19	99.88%	74,817.81	0.12%
2016		58,196,003	58,143,604.16	99.91%	52,398.84	0.09%
2015		56,938,119	56,900,515.83	99.93%	37,603.17	0.07%
2014		55,068,779	55,038,953.48	99.95%	29,825.52	0.05%
2013		53,324,262	53,297,131.31	99.95%	27,130.69	0.05%
2012		50,952,912	50,930,550.10	99.96%	22,361.90	0.04%
2011		48,856,892	48,841,427.36	99.97%	15,464.64	0.03%
2010		47,308,832	47,296,700.35	99.97%	12,131.65	0.03%
2009		46,898,827	46,892,901.44	99.99%	5,925.56	0.01%
2008		46,522,769	46,520,245.60	99.99%	2,523.40	0.01%
2007		42,964,450	42,962,205.82	99.99%	2,244.18	0.01%
2006		40,794,160	40,791,934.93	99.99%	2,225.07	0.01%
2005		38,024,453	38,023,159.27	99.997%	1,293.73	0.003%
2004		36,065,496	36,063,969.69	99.996%	1,526.31	0.004%
2003		33,310,579	33,309,312.97	99.996%	1,266.03	0.004%
2002		29,725,878	29,724,928.84	99.997%	949.16	0.003%
				Total Uncoll:	3,454,694.47	4.95%

Online Payments (Citizen Self Service)		
CSS Count FY24		
Month	Total \$\$	# of Payments
July	\$ 1,251,062.20	1224
Aug	\$ 333,058.57	986
Sep	\$ 502,590.77	820
Oct	\$ 258,454.99	855
Nov	\$ 223,574.93	890
Dec	\$ 1,166,980.86	1054
Jan	\$ 1,659,758.38	1447
Feb	\$ 576,517.45	915
Mar	\$ 1,205,636.99	1126
Totals	\$ 7,177,635.14	9317
Auto Registrations FY24		
Month	Total	# of Transactions
July	\$ 498,838.26	3310
Aug	\$ 522,369.18	3615
Sep	\$ 502,590.77	3293
Oct	\$ 611,271.06	3500
Nov	\$ 448,145.64	2801
Dec	\$ 544,305.47	2602
Jan	\$ 621,215.84	2847
Feb	\$ 645,129.32	3085
Mar	\$ 689,149.13	3427
Totals	\$ 5,083,014.67	28480

Tax Liens and Tax Deeds Update:

- On 3/7/24 we mailed 913 Friendly Reminder Letters for unpaid 2023 Property Taxes.
- On 3/26/24 we mailed 623 Impending Tax Lien Letters by certified mail for unpaid 2023 Property Taxes.
- The 2023 Tax Lien will be recorded on all remaining unpaid properties at 4:30 PM on 4/29/24.

- On 3/12/24 the City Executed Tax Deeds for Unpaid Taxes on 3 properties:
 - 36 Grove St
 - 54 Lowell St
 - 886 Salmon Falls Rd

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City Clerk's Office



ROCHESTER WELFARE DEPARTMENT MONTHLY REPORT

To: Katie Ambrose, City Manager

From: Todd M. Marsh, Welfare Director

Date: April 09, 2024

Report Dates: March 01, 2024- March 31, 2024

Ref: Monthly Report for Welfare Department

OVERVIEW

1. Personnel Updates

None

2. Notable Items Related to Ongoing Operations

This fiscal year is experiencing municipal welfare budget “sticker shock” throughout the state,” due to three years of rising inflationary costs, including housing costs, which were largely offset by federal pandemic federal funds, until funding ended. These dynamics fostered a budget development-planning anomaly, as using trending recent years expended amounts were no longer a reliable budgeting guide. This new year should be a year of budgeting reset, with improved general assistance predictions based on more reliable recent trending expended amounts. [NH Housing Rental Survey Report](#)

*General assistance expended since July 1st 2023 total, \$252,456.05, which averages to \$28,050.67 monthly. Total current fiscal year budgeted general assistance amount is \$225,000.00. City Manager, Katie Ambrose and Finance Director, Mark Sullivan are aware of this overrun and is working with the Welfare Department to navigate the funding. This is the first general assistance overrun in nearly 20 years and consistent with many municipal welfare post pandemic situations throughout the state.

The My Friend’s Place Shelter, in Dover, remained temporarily closed for emergency housing services with a planned re-opening date of April 1st. Many assisted with motels have been coordinated into a planned stay at the shelter when it opens. The shelter’s closure for services has caused an increase in emergency housing motel expenses for Rochester, including \$17,372.00 for February and lowering to \$11,428.96 for March, due to received income tax refunds and the prospect of shelter for April at My Friends’ Place shelter. Residents housed in motels for emergency housing consist of families with children and individuals without children, but with medical situations requiring specific shelters with first floor and bottom bed accommodations, which My Friend’s Place shelter can provide.

3. Notable Events Related to Unusual Operations

4. Upcoming / Anticipated Challenges Related to: Personnel, Operations, Budgets, Etc.

The My Friend's Place Shelter, in Dover, remained temporarily closed for emergency housing services. Shelter plans a re-opening date of April 1st. The welfare department has been in communication with the shelter director and many Rochester residents, currently emergency housed in motels have been offered shelter and are expected to accept shelter when available. Some have refused and emergency motel assistance has ended.

The Homeless Center for Strafford County (Home For Now), in Rochester, opened in October and plans to continue operating as a yearlong shelter; however; it is no longer accepting new entries at this time due to its transition acquisition by Strafford County Community Action Partnership, which plans to continue service. The welfare department will continue to monitor and provide guidance when sought.

Willand Warming Center ended planned operations at the end of March. The immediate result of the closure on the welfare department is unknown. Historically, there has been a minimal immediate effect on department operations, as the vast majority of residents at the warming center will not approach municipal welfare services. However, there will be a moderate overtime impact, as it is one less housing option to offer people without children when housing is sought, including people that experience great difficulty at traditional moderate barrier shelters.

5. Staff Kudos

Welfare department team members continue to use professional, thoughtful, humane and cost effective practices to meet legal obligations and the department's mission. Kudos, to Community Outreach Facilitator, Erin Nasino for participating in a planned service fairs at the Willand Warming Center in Somersworth. Her outreach efforts are an extended hand of services from the welfare department's office.

6. Affected Business Processes or Systems

NA

7. Training

Welfare department team members continue to seek and practice continuous improvement with department functions, including webinars and readings.

8. Analysis of Direct Assistance for March2024

General Assistance represents an average cost per case/family of \$405.66.and case/Individual of \$468.33 for this month.

Total voucher assistance issued: **\$27,032.52**

There was an increase of \$13,941.39 in assistance issued this month compared to March2022. There was a decrease of \$12,119.38 in vouchers issued this month compared to last month.

29 families units were financially assisted a minimum of once for this report month.

31 singles (w/o children) were financially assisted a minimum of once for this report month.

Reimbursements from the Interim Assistance Program SSI, State Medicaid and Personal Reimbursements totaled: \$0.00

The office reported 154 formal case notes for this period.

9. Other / In The News/Helpful Links