

September 24, 2018

The regular meeting of the Town Council of the Town of Newton was held on the above date at 7:24 pm. Present were Mr. Dickson, Mr. Schlaffer, Deputy Mayor Flynn, Mayor Le Frois and Thomas S. Russo, Jr., Town Manager. Ursula Leo, Esq., Town Attorney and Mrs. Read, Municipal Clerk were also present. Mrs. Diglio was excused.

Mayor Le Frois made the following declaration "in accordance with the Open Public Meetings Act, notice of this public meeting was given to the two newspapers of record and posted on the official bulletin board on January 8, 2018."

Mayor Le Frois led the Pledge of Allegiance to the flag and the Clerk called the roll. Upon motion of Deputy Mayor Flynn, seconded by Mr. Schlaffer and carried, the minutes for the September 12, 2018 Regular meeting were approved 4-0.

**OPEN TO THE PUBLIC**

At this time, Mayor Le Frois read the following statement:

*"At this point in the meeting, the Town Council welcomes comments from any member of the public on any topic. To help facilitate an orderly meeting and to permit the opportunity for anyone who wishes to be heard, speakers are asked to take one turn at the microphone and please limit their comments to 5 minutes. The Clerk will keep time. If reading from a prepared statement, please provide a copy and email a copy to the Clerk's Office after making your comments so it may be properly reflected in the minutes."*

Mayor Le Frois opened the meeting to the public.

There being no one from the public to be heard, Mayor Le Frois closed the meeting to the public.

**COUNCIL & MANAGER REPORTS**

a. **Mayor Le Frois** – outlined various projects going on in Newton. Mayor Le Frois noted her visit to the Rain Garden project at Memory Park. She noted the Special joint meeting with the Newton Town Council/SC Freeholders/SC Technical School/SCCC Board of Trustees on the updates on the McGuire's property project. She also noted the Special Joint meeting with the Newton Board of Education which took place at 6 pm this evening. She updated on a meeting held with Town staff regarding an event "Spells on Spring Street" to be held after the holiday parade on November 24, 2018.

b. **Deputy Mayor Flynn** – updated on the Rain Garden project currently going on at Memory Park. He asked if the "Santa Mailbox" will be placed outside of Fire Museum on Spring Street and was advised it would be. Deputy Mayor Flynn also mentioned the success of the Taste of Newton event held at the SC Fairgrounds. Thanked the Shade

Tree Commission for the thorough Community Forestry Management Plan submitted this evening.

c. **Councilwoman Diglio** – Not Present

d. **Councilman Schlaffer** – thanked BOE for the Special meeting this evening. Councilman Schlaffer updated on the recent Economic Development Commission meeting. He announced the Sussex Stags Semi-Pro Football team will be hosting a championship game at Newton High School in the near future. More info to come.

e. **Councilman Dickson** – attended and enjoyed the Taste of Newton event held at the SC Fairgrounds. He noted the Special Joint meeting on September 20 with the various groups regarding McGuire property and noted the Town will continue the partnership with SCCC and move forward with the plan.

f. **Town Manager Russo** – thanked Sign-A-Rama and DPW for the NHS Champs Football sign placed on the “Welcome to Newton” signs. He thanked Dr. Greene and the Board for the meeting this evening. Mr. Russo noted the brief presentation, along with the Town Planner, on the visions and possibilities regarding the redevelopment of the McGuire property. He noted the meeting for the event “Spells on Spring Street” and more planning to come. He noted October 8<sup>th</sup> Town Hall is closed therefore next Council meeting will be held on Wednesday, October 10<sup>th</sup>.

Mr. Russo asked Mr. Vough to provide an update on the current water main break on West End Avenue.

**ORDINANCES**

Mayor Le Frois directed the Clerk to read aloud the following Ordinance relative to introduction of same.

**ORDINANCE #2018-18**

**AN ORDINANCE AMENDING CHAPTER 3 OF THE NEWTON CODE, BEING THE ADMINISTRATIVE CODE, MOVING MUNICIPAL ELECTIONS FROM THE MONTH OF MAY TO NOVEMBER, PURSUANT TO THE RESULTS OF A SPECIAL ELECTION HELD ON JULY 31, 2018**

The aforementioned **ORDINANCE**, was offered by Mr. Schlaffer, who moved its introduction, seconded by Mr. Dickson and roll call resulted as follows:

Mr. Dickson	Yes	Mrs. Diglio	Absent
Deputy Mayor Flynn	Yes	Mr. Schlaffer	Yes
	Mayor Le Frois	Yes	

September 24, 2018

**BE IT RESOLVED** by the Town Council of the Town of Newton that the above Ordinance be introduced for the first reading, with hearing on the same to be held on Wednesday, October 10, 2018.

Mayor Le Frois directed the Clerk to read aloud the following Ordinance relative to introduction of same.

**ORDINANCE #2018-19**

**REVISING CHAPTER 57 OF THE CODE OF THE TOWN OF NEWTON TO ADD A NEW ARTICLE VI, ENTITLED "FERAL CATS", TO PROVIDE FOR A TRAP, NEUTER, RELEASE ("TNR") PROGRAM IN THE TOWN OF NEWTON**

The aforementioned **ORDINANCE** was offered by Deputy Mayor Flynn, who moved its introduction, seconded by Mr. Schlaffer and roll call resulted as follows:

Mr. Dickson	Yes	Mrs. Diglio	Absent
Deputy Mayor Flynn	Yes	Mr. Schlaffer	Yes
	Mayor Le Frois	Yes	

**BE IT RESOLVED** by the Town Council of the Town of Newton that the above Ordinance be introduced for the first reading, with hearing on the same to be held on Wednesday, October 10, 2018.

**OLD BUSINESS**

There was no old business for discussion.

**CONSENT AGENDA**

Mayor Le Frois read the following statement:

*"All items listed with an asterisk (\*) are considered to be routine and non-controversial by the Town Council and will be approved by one motion. There will be no separate discussion of these items unless a Council member so requests, in which case the item will be removed from the Consent Agenda and considered in its normal sequence on the Agenda."*

Mr. Russo reviewed the Resolutions on the consent agenda.

Deputy Mayor Flynn requested Resolution #188-2018 for separate discussion.

**RESOLUTION #185-2018\***

**TO CANCEL CAPITAL APPROPRIATION BALANCE AND CLOSE EXCESS GRANT RECEIVABLE BALANCE IN THE GENERAL CAPITAL FUND – MADISON STREET SIDEWALKS**

**WHEREAS**, the Town of Newton received an award in 2013 in the amount of \$140,000.00 from the State of New Jersey Department of Transportation's Safe Routes to School Program for Sidewalk Improvements to Madison Street; and

**WHEREAS**, on 9/21/16 the Federal Highway Administration (FHWA) authorized funding up to an amount of \$234,354.00 Federal Project No. TAP-1082(300), memorialized by Resolution #260-2016; and

**WHEREAS**, the Town received grant reimbursement totaling \$155,873.47, which was \$15,873.47 in excess of the original grant receivable applied for of \$140,000.00 due to the scope of the project being expanded; and

September 24, 2018

**WHEREAS**, three ordinances totaling \$265,000 were appropriated: Ord. #2013-11 \$165,000; Ord. #2014-6 \$50,000; and Ord. #2016-12 \$50,000; and

**WHEREAS**, there are unexpended balances in General Capital for Madison Street Improvements & Sidewalks of \$12,311.62 – Ord. # 2016-12 and \$27,899.65 – Ord. #2014-6; and

**WHEREAS**, both Town Engineers have certified there are no additional costs for this project and the Mayor and Council have accepted this project as complete per Resolution #265-2017; and

**WHEREAS**, it is necessary to formally cancel the unexpended improvement authorization balance (debt was not authorized for the \$140,000 funding expected to be received from the DOT grant); and the excess grant funds received will be reserved to pay debt service;

**NOW, THEREFORE BE IT RESOLVED**, by a majority of the full membership of the Town Council of the Town of Newton, that we hereby cancel the following General Capital appropriations and the excess grant receivable:

**General Capital Fund**

Excess NJ DOT Safe Routes to School Grant Receivable–Madison St.

(Ord #2013-11) #3001522 \$15,873.47

Improvement Authorization Ord #2016-12 Madison Street #3091612 \$12,311.62

Improvement Authorization Ord.#2014-6 Madison Street #30914062 \$27,899.65

**RESOLUTION #186-2018\***

**RESOLUTION OF THE TOWN COUNCIL OF THE TOWN OF NEWTON AUTHORIZING THE AWARD OF WATER TESTING SERVICES FOR THE WATER TREATMENT PLANT THROUGH THE COMPETITIVE CONTRACTING PROCESS 12R-2018**

**WHEREAS**, the Town has a desire to provide for quality, water testing services for the services at the Water Treatment Plant; and

**WHEREAS**, such services are currently available to be provided through the competitive contracting process under the New Jersey Local Publics Contract Law, N.J.S.A. 40A:11-1 et. Seq., for a period of five (5) years; and

**WHEREAS**, the Town received Competitive Contract proposals, CC 12R-2018 on September 6, 2018 at 12:00am; and

**WHEREAS**, the Town authorized the competitive contract process though council approved resolution, in accord with the prescripts of N.J.S.A.40A:11-4.1; and

**WHEREAS**, the Town established a rating committee rating the proposals upon the standards of price and other factors, those factors being Technical, Managerial and Cost factors in accord with N.J.A.C.5:34-4; and

**WHEREAS**, Garden State Labs has provided a proposal deemed responsive and responsible under the New Jersey Local Publics Contract Law (N.J.S.A.40A:11-1 et. Seq.); and

**WHEREAS**, the report produced by the committee, recommending Garden State Labs 410 Hillside Ave. Hillside, N.J. was made available to the public and governing body at least 48 hours prior to the meeting of the governing body in accord with N.J.S.A 40A:11-4.1 and N.J.A.C 5:34-4;

**WHEREAS**, subject to the Governing Body appropriating sufficient funds in the 2019- 2023 Water Sewer Utility Budgets, the Chief Financial Officer will certify funds pursuant to N.J.A, C, 5:30-5.5 (b2) open-end contract: through the budgetary

accounting encumbrance process set forth in NJAC 5:30-5.3(c) and 5:30-5.4(b), in an amount NOT TO EXCEED \$69,312.00 as follows:

2019 Water Sewer Budget – Water Treatment-Lab Svc/Supply - #6064237	\$7,000
2019 Water Sewer Budget – Sewer Plant-Lab Svc/Supply - #6077237	\$15,000
2018 Water Sewer Budget – CIF –Water Tank Improvements - #6089305	\$47,312

**NOW, THEREFORE, BE IT RESOLVED** by the Governing Body of the Town of Newton, County of Sussex, State of New Jersey, as follows:

The Town Manager is hereby authorized to enter into a contract with Garden State Labs, 410 Hillside Avenue, Hillside, N.J. for a period of five (5) years encompassing the scope of work and cost proposal as outlined within CC 12R-2018.

**RESOLUTION #187-2018\***

**AUTHORIZE CREDITS DUE WATER AND SEWER UTILITY ACCOUNTS**

**WHEREAS**, the Water and Sewer Collector has determined the following Water and Sewer Utility Accounts are due credits for the reasons stated:

**INACTIVE ACCOUNT ERRONEOUSLY BILLED:**

<u>Account</u>	<u>Address</u>	<u>Amount</u>
2978	5 Hamilton Street	\$75.00

**ACCOUNT SHOULD HAVE BEEN IN FINAL STATUS:**

<u>Account</u>	<u>Address</u>	<u>Amount</u>
22741	1 Gregg Court	\$75.00

**NOW, THEREFORE BE IT RESOLVED**, by the Town Council of the Town of Newton that the Water and Sewer Collector is hereby authorized to credit the aforementioned accounts for amounts billed incorrectly due to the reason(s) stated.

**RESOLUTION #189-2018\***

**APPROVE BILLS AND VOUCHERS FOR PAYMENT**

**BE IT RESOLVED** by the Town Council of the Town of Newton that payment is hereby approved for all vouchers that have been properly authenticated and presented for payment, representing expenditures for which appropriations were duly made in the 2017 and 2018 Budgets adopted by this local Governing Body, including any emergency appropriations, and where unexpended balances exist in said appropriation accounts for the payment of such vouchers.

**TOWN BILLS**

40602	ABCODE SECURITY INC.	120.00
40603	AMBASSADOR MEDICAL SERVICE	180.00
40604	ARF RENTAL SERVICES, INC.	95.76
40605	BANK OF NEW YORK MELLON	1,650.00
40606	BOONTON TIRE SUPPLY INC.	2,299.41
40607	CENTURYLINK COMMUNICATIONS, INC.	62.48
40608	CENTURYLINK COMMUNICATIONS, INC.	2,706.77
40609	CINTAS FIRE PROTECTION	284.97
40610	Danielle Rocco	296.00
40611	DANIELSON, DEBORAH	115.00
40612	DOUBLE RADIUS, INC.	355.90
40613	EXTRA TECH DATA SERVICES, LLC.	910.00
40614	FIRE & SAFETY SERVICES, LTD., INC.	1,396.85
40615	FIREFLOW SERVICES, LLC.	4,311.30
40616	GRUBER, COLABELLA & LIUZZA	1,233.42
40617	HAYEK'S MARKET INC.	186.74
40618	HOLZHAUER, SCOTT	115.00

September 24, 2018

40619	HOME DEPOT, INC.	204.94
40620	JCP&L	8,104.59
40621	LADDEY, CLARK & RYAN, LLP	7,471.37
40622	LERETA TAX & FLOOD	2,080.42
40623	LOWE'S , INC.	141.55
40624	MILLER, JASON	115.00
40625	L-3 COMM. MOBILE-VISION	1,672.62
40626	NEW JERSEY HERALD, INC.	72.60
40627	NEWTON FIRST AID SQUAD	6,245.00
40628	ELIZABETHTOWN GAS	43.13
40629	PENTELEDATA	769.10
40630	PHYSIO-CONTROL INC. MEDTRONIC PHYSI	389.00
40631	PORTER, MIKE	75.00
40632	PowerDMS, Inc.	2,768.71
40633	QUILL CORPORATION	434.11
40634	REISINGER OXYGEN SERVICE, INC.	61.70
40635	RICCIARDI BROTHERS, INC.	442.50
40636	S K PAPER SHRED	150.00
40637	SCHENCK, PRICE, SMITH, & KING, LLP	1,185.10
40638	SERVICE ELECTRIC CABLE TV, INC.	85.30
40639	SHERWIN-WILLIAMS, INC.	371.39
40640	SLOAN, JAMES P.	3,214.17
40641	SPECTRUM COMMUNICATIONS, INC.	136.80
40642	STAPLES BUSINESS ADVANTAGE, INC.	1,206.55
40643	SUNLIGHT GENERAL	646.32
40644	SUSSEX CAR WASH INC	119.00
40645	SUSSEX COUNTY CLERK	37.52
40646	T.A. MOUNTFORD COMPANY, INC.	250.00
40647	TROPICANA ATLANTIC CITY CORP	240.00
40648	UNITED TELEPHONE/CENTURY LINK	127.23
40649	USA HOIST CO., INC.	225.00
40650	VERIZON WIRELESS, INC.	2,019.14
40651	WALMART	10.46
181061	PAYROLL ACCOUNT	197,644.72
181060	NEWTON BOARD OF EDUCATION	1,029,765.00
181059	JP MORGAN CHASE BANK	38,175.00

**CAPITAL**

8736	J. CALDWELL & ASSOCIATES, LLC.	420.00
8737	MCMANIMON, SCOTLAND & BAUMANN, LLC	600.00
8738	NEW JERSEY HERALD, INC.	202.80
8739	PELLOW, HAROLD & ASSO, INC.	710.88
8740	ZITONE CONSTRUCTION	79,453.50
8735	HANOVER POWERSPORTS	13,906.00

**Total TOWN BILLS    \$ 1,418,312.82**

**WATER AND SEWER ACCOUNT**

17132	ACCURATE WASTE REMOVAL INC.	6,398.00
17133	CAMPBELL'S SMALL ENGINE INC.	115.98
17134	CENTURYLINK COMMUNICATIONS, INC.	1,215.67
17135	COYNE CHEMICAL CORP., INC.	9,653.80
17136	CURRENT ACCOUNT	1,969.85
17137	Danielle Rocco	500.00
17138	DIAMOND SAND & GRAVEL, INC	3,022.50
17139	DOUBLE RADIUS, INC.	355.90
17140	EAGLE EQUIPMENT, INC.	354.99
17141	EXTRA TECH DATA SERVICES, LLC.	80.00
17142	FISHER SCIENTIFIC	283.80
17143	HACH COMPANY	68.70
17144	HAYEK'S MARKET INC.	31.71

September 24, 2018

17145	JCP&L	12,724.54
17146	KKPR MARKETING & PUBLIC RELATIONS,	1,150.00
17147	LADDEY, CLARK & RYAN, LLP	176.00
17148	MOTT MACDONALD	1,683.88
17149	ONE CALL CONCEPTS, INC.	75.00
17150	PELLOW, HAROLD & ASSO, INC.	1,247.47
17151	PENTELEDATA	399.85
17152	QUILL CORPORATION	127.96
17153	SMALLEY, JOHN H	1,250.00
17154	STAPLES BUSINESS ADVANTAGE, INC.	100.67
17155	SUNLIGHT GENERAL	1,167.00
17156	VERIZON WIRELESS, INC.	223.43
17157	WALMART	10.47
186035	PAYROLL ACCOUNT	37,294.55
186034	JP MORGAN CHASE BANK	19,675.00

**CAPITAL**

2484	JEV CONSTRUCTION, LLC.	27,400.00
2485	MOTT MACDONALD	398.98

**Total WATER & SEWER Bills \$ 129,155.70**

**TRUST ACCOUNT**

3774	COUNTRY CLUB ICE CREAM, LLC.	335.11
3775	KAREN ANN QUINLAN HOSPICE	443.50
181121	PAYROLL ACCOUNT	2,511.00
181120	TRUST ACCOUNT, TOWN OF NEWTON	3,177.50

**Total TRUST ACCOUNT Bills \$ 6,467.11**

**DOG RESERVE**

8570	HOPATCONG BOROUGH	2,750.40
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**Total DOG RESERVE ACCOUNT Bills \$ 2,750.40**

A motion was made by Mr. Dickson to approve the modified **COMBINED ACTION**

**RESOLUTIONS**, seconded by Deputy Mayor Flynn and roll call resulted as follows:

Mr. Dickson	Yes	Mrs. Diglio	Absent
Deputy Mayor Flynn	Yes	Mr. Schlaffer	Yes
	Mayor Le Frois	Yes	

Deputy Mayor Flynn had questions regarding the proposed improvements which were addressed by Mr. Russo. Mr. Russo also read a memo from our Town Engineer regarding this project.

**RESOLUTION #188-2018**

**RESOLUTION SUPPORTING THE PROPOSED IMPROVEMENTS BY THE NEW JERSEY DEPARTMENT OF TRANSPORTATION ALONG THE ROUTE 206 CORRIDOR WITHIN THE TOWN OF NEWTON**

**WHEREAS**, the New Jersey Department of Transportation (NJDOT) conducted a survey that identified a portion of Route 206 in the Town of Newton in need of maintenance and repair; and

**WHEREAS**, NJDOT has proposed improvements that will improve operations and enhance public safety within the project limits along Route 206 in the Town of Newton; and

**WHEREAS**, the proposed improvements include but are not limited to, milling the pavement, resurfacing, reconstruction of curbing, construction of ADA Compliant pedestrian ramps and treatment of inlets and manholes where applicable; and

**WHEREAS**, the proposed improvements will be constructed in stages by NJDOT and it is expected the two-way traffic will be maintained during construction and may require night time construction;

**NOW, THEREFORE BE IT RESOLVED**, by the Town Council of the Town of Newton, County of Sussex, State of New Jersey, that it hereby supports the proposed improvements of the Route 206 corridor in the Town of Newton as outlined by the NJDOT preliminary preferred alternative plan; and

**BE IT FURTHER RESOLVED** that a certified copy of this Resolution will be forwarded to the New Jersey Department of Transportation (NJDOT).

Upon motion was made by Deputy Mayor Flynn to approve the **RESOLUTION #188-2018**, seconded by Mr. Schlaffer and roll call resulted as follows:

Mr. Dickson	Yes	Mrs. Diglio	Absent
Deputy Mayor Flynn	Yes	Mr. Schlaffer	Yes
	Mayor Le Frois	Yes	

**INTERMISSION** – None

**DISCUSSION**

**a. Sewer Line Inspection Project (Mott MacDonald)**

Mr. Russo introduced John Scheri, PE, Senior Vice President of Mott MacDonald and Christopher Wohlleb, Engineer III (Project Manager). Christopher White, of RedZone Robotics, was also present to outline the equipment used to view sewer pipes.

Mr. Scheri and Mr. Wohlleb made the following presentation on the Town's System-Wide Sanitary Sewer Inspection, Condition Assessment and Rehabilitation Plan.

M M  
MOTT MACDONALD RedZone  
ROBOTICS

# Town of Newton

Sanitary Sewer Condition Assessment Program  
September 24, 2018

TOWN OF NEWTON  
NEW JERSEY

## Sewer System Study - Executive Summary

**1** Gravity sanitary sewer system is about 25 miles (130,000 LF)\* divided into six (6) drainage areas

**2** Evaluated about 19 miles of the system including associated manholes to date.

**3** Majority of system is in Good condition. Remaining pipes have root intrusion, build-up of sediment/debris and some structural defects.

**4** Recommended annual repair and maintenance budget is \$100,000 to \$130,000 for next 10 years.

\*Quantity based upon Town mapping provided to Mott MacDonald

## Sewer System Background

### Need for Project

**1**  
**Age of System**  
Sewer system originally built in early 1900's.

**2**  
**Asset Management**  
Need for inventory of system assets.  
Establish baseline condition and useful life remaining for sewer assets.

**3**  
**Prioritize Repairs**  
Need and Risk  
Efficient and Targeted spending.  
Coordination with other Town projects

The project provides information necessary to extend the life of the Town's sewer system

## Sewer Collection System Background

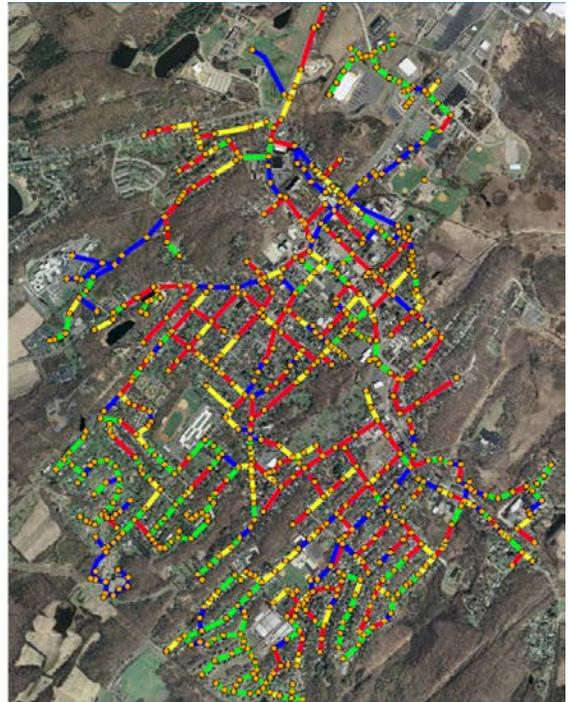
### Overall System

Gravity sewer system

Additional assets beyond gravity system

Five (5) sewage pump stations and 6,000 L.F. of force main.

System conveys wastewater to Town's WWTP which is rated at 1.4 MGD.



Source: RedZone Robotics



## Sewer Collection System Background

### Sewer Pipe

Pipe sizes range from 6-inch to 24-inch in diameter.

Roughly 90% of pipes are 8-inch in diameter.

Approx. 80% of sewers constructed of vitrified clay pipe (VCP).

VCP typically 3-foot in length with 5 times more joints than modern pipe.

VCP has long life span and resistance to most industrial and domestic sewage.

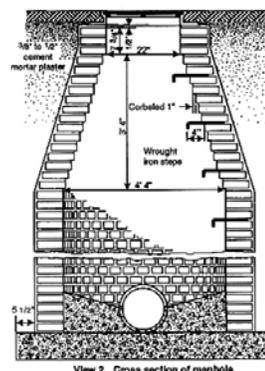
Source: class.posot.co.uk

## Sewer System Background

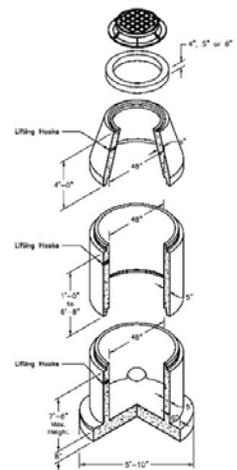
### Manholes

Most manholes constructed of brick and concrete block through 1960's.

More recently constructed manholes made from precast concrete sections.



Source: waybuilder.net

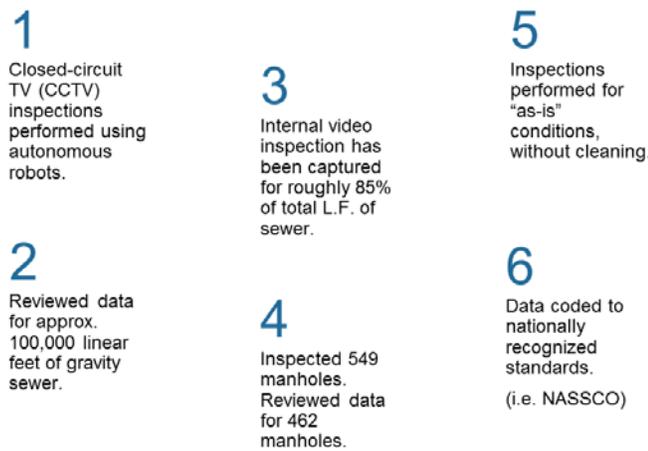


Source: oldcastleprecast.com

## Task Breakdown

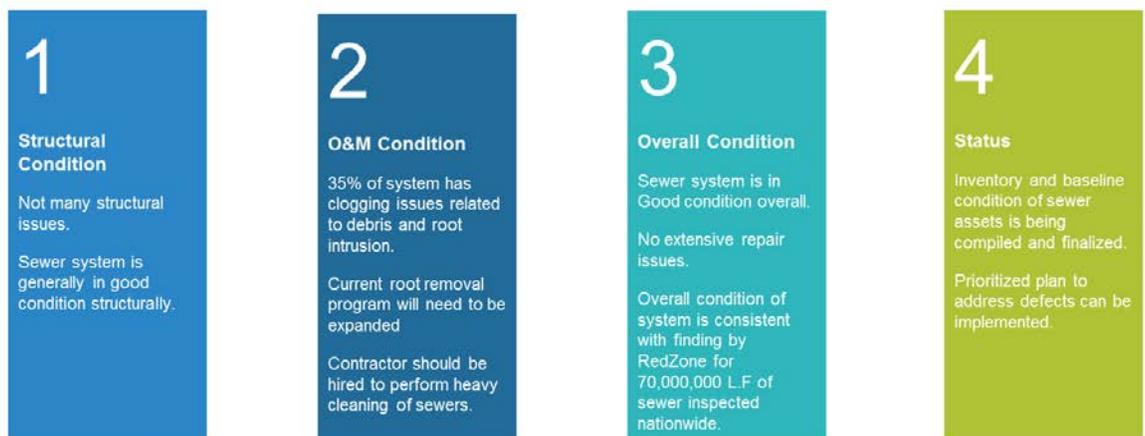


## Tasks 1a and 1b Sewer and Manhole Inspections



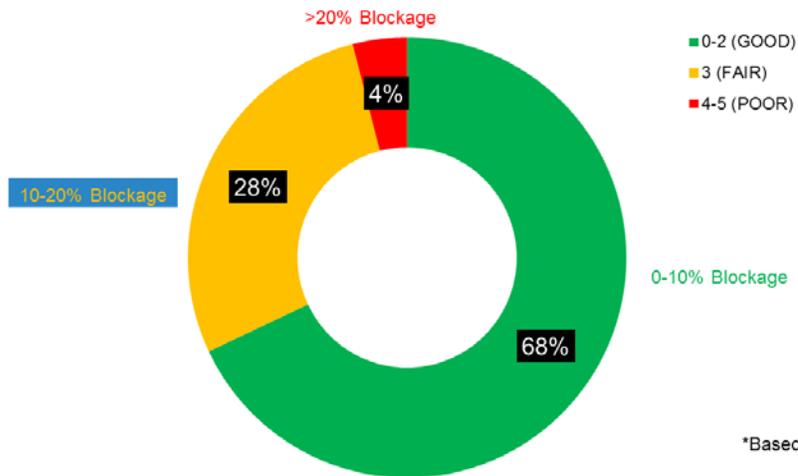
## Task 2 Review of Inspection Data

### Findings – Overall Condition of System



## Task 2 Review of Inspection Data

### Sewer – Operation and Maintenance (O&M) Condition



## Task 2 Review of Inspection Data

### Sewer – Operation and Maintenance (O&M) Defects



Root and Pipe Joint



Root Mass



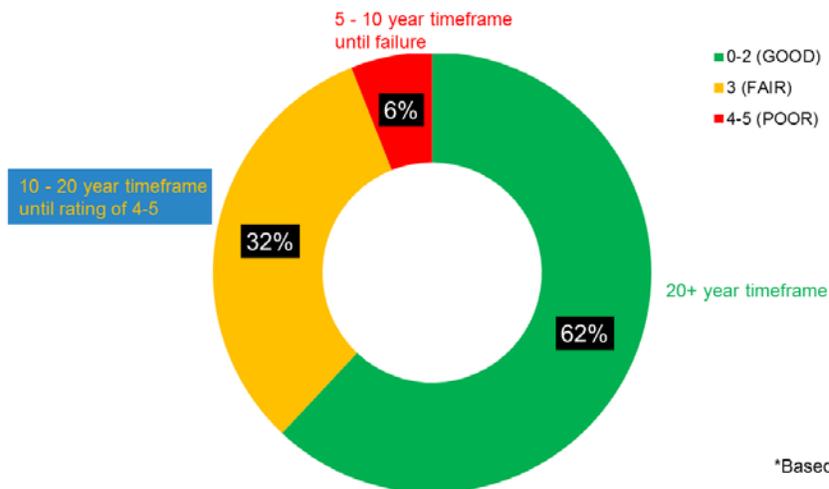
Grease Build-up & Blockage



Sediment & Debris

## Task 2 Review of Inspection Data

### Sewer - Structural Condition



## Task 2 Review of Inspection Data

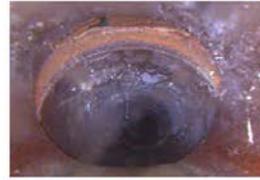
### Sewer - Structural Condition



Hole & Fracture



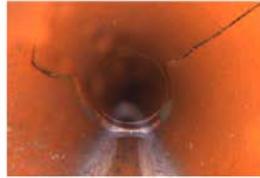
Collapse



Offset Joint



Hole with Rocks Visible



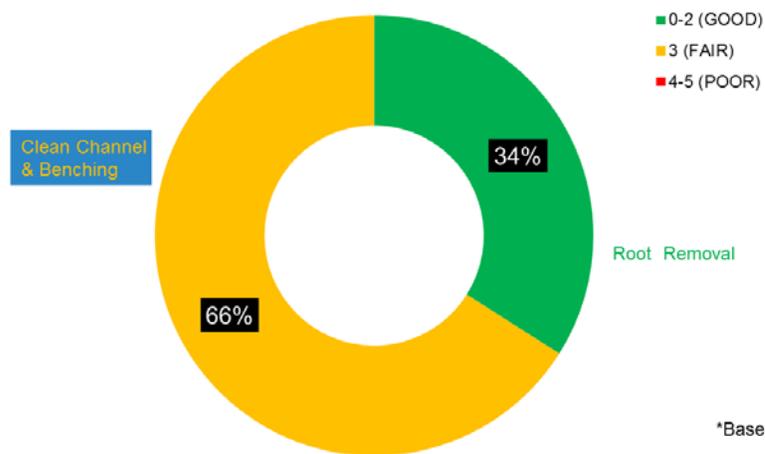
Fracture



Spider Cracks

## Task 2 Review of Inspection Data

### Manholes – Operation and Maintenance (O&M) Condition



## Task 2 Review of Inspection Data

### Manholes – Operation and Maintenance (O&M) Condition



Bench and Channel Debris



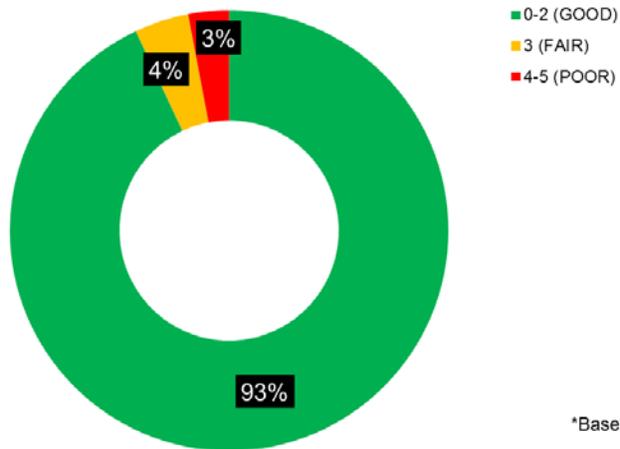
Utility Line through Manhole



Root Intrusion in Manhole

## Task 2 Review of Inspection Data

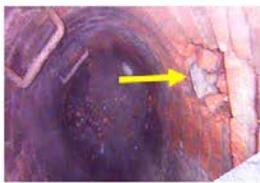
### Manhole - Structural Condition



\*Based On # of MH Units

## Task 2 Review of Inspection Data

### Manhole - Structural Condition



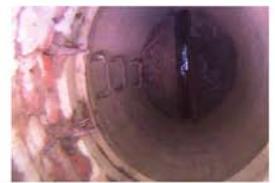
Missing / Displaced Wall Brick



Void under Manhole Frame



Damaged Wall Block



Corroded Manhole Rungs

## Task 3 Development of Rehabilitation Plan

### Rehabilitation Phasing (for assets reviewed to date)

1

(Years 0-3)

Excavate & Replace Pipe; Sewer Cleaning; and Herbicide Treatment

Cost: \$105,000/yr

2

(Years 4-5)

Grouting / Patching of Manhole and Pipe Defects

Cost: \$130,000/yr

3

(Years 6-9)

Partial / Complete Cured-In-Place Pipe Lining

Cost: \$102,000/yr

4

(Year 10)

Various Manhole Defect Repairs

Cost: \$15,000/yr

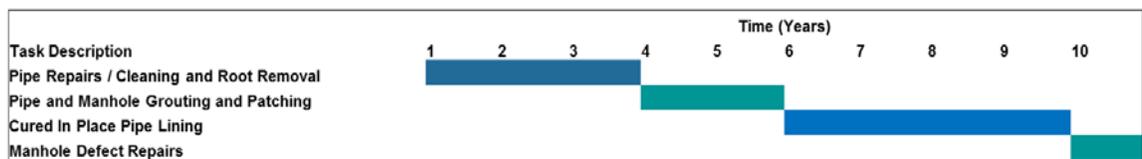
## Task 3 Development of Rehabilitation Plan

### Rehabilitation Phasing (for assets reviewed to date)



## Town of Newton

### Capital Improvement Plan Schedule of Improvements



## Task 3 Development of Rehabilitation Plan

### Phase 1 – Address Significant Structural Pipe Defects

Coordinate Priority sewer repair locations with Town projects

- Jefferson Street
- Academy Street
- Foster Street
- Paterson Place
- Birch Drive
- Diller Avenue
- Maple Street
- Linwood Avenue
- Adams Street
- Windsor Avenue
- Newton Sparta Avenue

## Task 3 Development of Rehabilitation Plan

Summary of 10-year Rehabilitation Costs (for assets reviewed to date)

Item No.	Rehabilitation Description	Linear Feet	Units	Estimated 10-year Cost
1	Grouting / Patching of Manhole Defects	-	39	\$136,500
2	Various Manhole Defect Repairs	-	6	\$15,000
3	Excavate and Replace Pipe	314	-	\$212,000
4	Partial / Complete Cured-In-Place Pipe Lining	1,232	-	\$406,000
5	Grouting of Pipe Defects	-	42	\$126,000
6	Sewer Cleaning	24,136	-	\$76,100
7	Herbicide Treatment	11,768	-	\$28,400
	<b>Total</b>			<b>\$1,000,000</b>

## Task 2 Review of Inspection Data and Condition Assessment

Operation and Maintenance (O&M) Condition Rating System

Condition Rating	Rating Description	Defect Description
5	Immediate Attention	Most significant defect; blockage in >30% of cross sectional area of pipe; requires immediate attention
4	Poor	Significant defects; blockage in <=30% of cross sectional area of pipe
3	Fair	Moderate defects; blockage in <=20% of cross sectional area of pipe
2	Good	Minor to moderate defects; blockage in <=10% of cross sectional area of pipe
1	Very Good	Minor Defects
0	Excellent	No Defects

## Recommendations

1. Perform sewer cleaning and root removal
2. Schedule prioritized repairs in coordination with other Town projects
3. Consider NJ I-Bank program to partially fund rehabilitation (if > \$250,000)
4. Undertake lower priority repairs
5. Update database as repairs are completed
6. Re-assess system in 10 years.

## Thank You!

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**Christopher Wohleb**

Engineer III (Project Manager)  
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**John J. Scheri, PE, ENV SP**

Senior Vice President  
 E [john.scheri@mottmac.com](mailto:john.scheri@mottmac.com)

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### Task 2 Review of Inspection Data and Condition Assessment

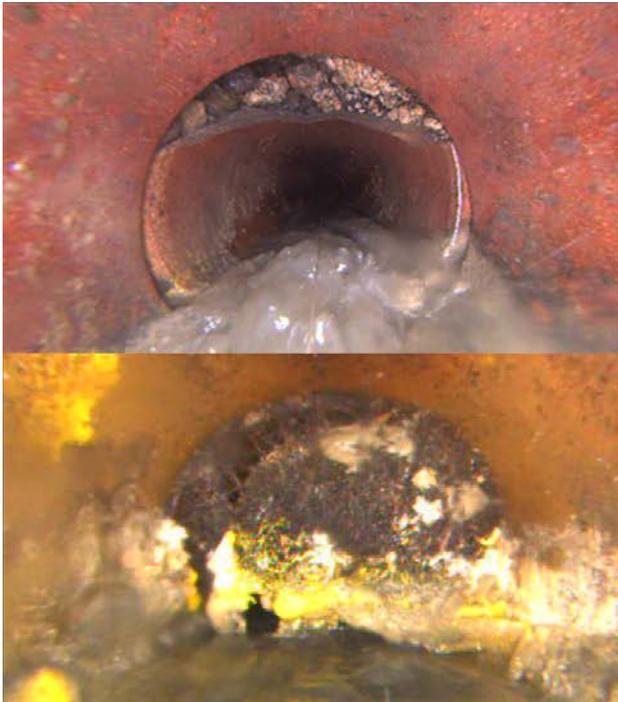
#### Structural Condition Rating System

Condition Rating	Rating Description	Defect Description
5	Immediate Attention	Most significant defect; failure has occurred or will likely fail in next 5 years; requires immediate attention
4	Poor	Significant defects; will continue to degrade with likely failure in next 5 to 10 years
3	Fair	Moderate defects; will continue to deteriorate over a 10–20 year timeframe
2	Good	Minor to moderate defects; unlikely to fail for at least 20 years
1	Very Good	Minor Defects
0	Excellent	No Defects

### Task 2 Review of Inspection Data and Condition Assessment

#### Operation and Maintenance (O&M) Condition Rating System

Condition Rating	Rating Description	Defect Description
5	Immediate Attention	Most significant defect; blockage in >30% of cross sectional area of pipe; requires immediate attention
4	Poor	Significant defects; blockage in <=30% of cross sectional area of pipe
3	Fair	Moderate defects; blockage in <=20% of cross sectional area of pipe
2	Good	Minor to moderate defects; blockage in <=10% of cross sectional area of pipe
1	Very Good	Minor Defects
0	Excellent	No Defects



## Tasks 1a and 1b Sewer & Manhole Inspections

Structural Defects:  
Cracks, Holes, Collapsed Pipe, Joint Misalignment

Operation and Maintenance Defects:  
Deposits, Roots, Blockages, Obstructions

Source: RedZone Robotics

## Task 2 Review of Inspection Data and Condition Assessment

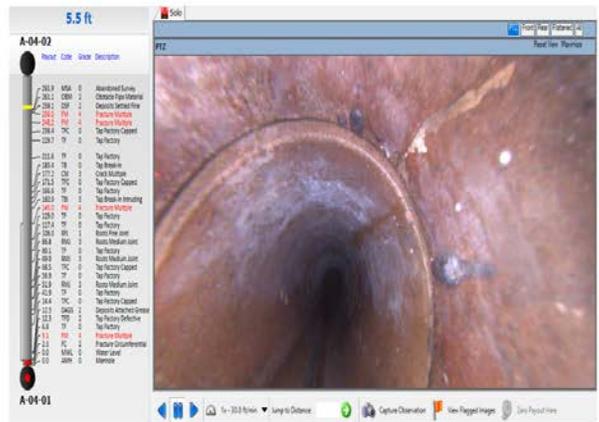
### Data Management System

Inspection data is stored in ICOM3 Data Management System.

Ability to filter/sort sewer and manhole assets by defect type and criticality of risk.

Viewing of inspection report data and videos.

Defects displayed on integral GIS mapping



Source: RedZone Robotics

The Town Council had questions which were addressed by Mr. Scheri and Mr. Wohlleb.

Mr. Scheri will finalize the report and provide recommendations. He also noted the DPW members will be trained to use the software program.

### OPEN TO THE PUBLIC

Mayor Le Frois opened the meeting to the public.

Mike Malone, 57 Trinity Street, Newton, questioned if a tree root is killed in the sewer line, is the tree likely to die and will it be the responsibility of homeowner to remove the tree? Mr. Scheri advised based on his years of experience feels the tree would not die.

Grace Dickson, Hamilton Avenue, stated there was an insert in the Sunday New Jersey Herald featuring the Town of Newton. She feels the insert featured Newton in a positive light and it was wonderful! Thank you to Mr. Russo for a great job!

September 24, 2018

There being no one else from the public to be heard, Mayor Le Frois closed the meeting to the public.

**COUNCIL & MANAGER COMMENTS**

Councilman Dickson suggested the Council address resident overnight parking complaints during the upcoming DPW presentation.

Councilman Schlaffer suggested overnight parking permits be available to residents.

Deputy Mayor Flynn asked about the update of the Master Plan and was advised the Town Planner will present same at the next Council meeting on Wednesday, October 10, 2018 at 7:00 pm.

There being no further business to be conducted, upon motion of Mr. Schlaffer, seconded by Deputy Mayor Flynn and unanimously carried, the meeting was adjourned at 8:33 pm.

Respectfully submitted,

A handwritten signature in cursive script that reads "Lorraine A. Read".

Lorraine A. Read, RMC  
Municipal Clerk