

WESTCHESTER COUNTY
ANNUAL MUNICIPAL SEWER MAINTENANCE AND REPAIR
REPORT FORM

IN COMPLIANCE WITH THE COUNTY SEWER ACT

(Westchester Administrative Code Section 824.72.7)

Submitted on behalf of the: Village of Rye Brook

Date: April 7, 2021

Report Year: 2020

Report Prepared By: Michal Nowak

Title: Superintendent of Public Works / Engineer

Address: 938 King Street
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MAINTENANCE

1. Set forth the Maintenance Schedule in effect for the Municipal Sewer System for the Report Year:

The Village of Rye Brook Public Works Dept has a goal of performing flushing operations on village wide sewer mains on a 2 day per week schedule that is time and manpower permitted. This would provide that the system would be flushed once a year.

2. Describe method used to establish maintenance priorities:

Priorities are established on areas that are known to be troublesome due to elevation, low flow, or grease infiltration from commercial operations and businesses in the village. These areas get elevated care. Secondary method is notification from residents or contractors during or after construction or normal usage. Should abnormal events occur, further investigation is performed by remote camera equipment and corrective measures are assessed and implemented.

3. Describe maintenance activities conducted in the report year (enumerate linear feet and number of manholes maintained and approximate percentage of total system):

a. Inspected :(describe method used such as TV, smoke & dye testing, etc)

Under multiyear Contract 18-04 Cleaning, Televising, Manhole rehabilitation and Cured In Place Pipelining the following work was performed:

- 4,998 Linear feet of sewer line cleaned and televised.
- 52 Sanitary Sewer Manholes were rehabilitated / parged
- 4,998 linear feet of sewer main lined

Contract 20-05 Manhole Cover Replacement the following work was performed:

- 60 Manhole Covers were replaced and chimney connections epoxied

b. Preventive Maintenance: (describe activities)

Contract 18-04 was utilized to perform maintenance and repairs to various locations of sewer main throughout the Village.

c. Cleaning: (identify methods used)

Two-man crew performed high pressure flushing and root cutting for sewer lines throughout the Village.

See Item 3a listed above, 4,117 Linear feet of sewer main was cleaned utilizing contract 18-04 supplementing routine maintenance.

REPAIR AND REHABILITATION

- 1. Set forth the linear feet of sewer repaired or rehabilitated in the report year, the methods used and enumerate the footage as a percentage of the total sewer system:**

The Village identified and repaired 4,178 linear feet of sewer main that had suffered damage, collapse or needed lining.

Hawthorne Avenue 20'-0" of 8" sewer main was removed and replaced prior to relining.

Westchester Avenue, 2 spot repairs with liners were executed with mandrel tool before relining entire line.

Talcott Road 15 foot section of collapsing 8" sewer line was replaced prior to lining

Approx. 350 feet of 10" Sewer main was relocated at 511 West William Street to accommodate new DPW facility

- 2. Set forth the numbers of manholes repaired or reconstructed in the report year and give the approximate percentage of the total number of manholes in the system:**

The Village identified and repaired 52 manholes and replaced 60 Manhole covers.

- 3. Set forth the approximate amount of inflow/infiltration removed from the sewer system in this reporting year:**

Estimated reduction in I/I is approximately 43,200 gallons.
0.5gpm per MH Cover x 60Min x 24 Hours x 60 MH Covers

4. Set forth the techniques used to discover illegal storm water connections to the sanitary sewer system and actions taken during the report year to remove illegal connections:

Smoke testing, TV Inspections and as needed Dye testing have all been utilized in the Village.

Building Department personnel look for illegal connections while performing inspections associated with building permits and check for cross connections.

From Contract 18-10, 36 locations Village wide were identified as having various defects. Notice of Violations were issued, and defects were corrected.

Code section 216 Storm Sewers and Sanitary Sewers has been revised - Attached

Affidavit of compliance was drafted and put into use by Building Dept. submitted previously

SEWER SYSTEM EVALUATION STUDY (SSES)

1. Identify the most recent SSES done for the Municipal Sanitary Sewer System, and submit a copy with this Report or an online site for accessing the report.

SSES Engineering report done by Dolph Rotfeld Engineering September 20, 2017
Submitted previously.

SSES report done by Dolph Rotfeld Engineering February 7, 2017, submitted previously.

SSES Remediation report done by Dolph Rotfeld Engineering January 22, 2018, submitted previously.

2. Describe activities in the report year undertaken to implement SSES findings. (This may include cross references to MAINTENANCE and REPAIR and REHABILITATION sections of this report.)

See other sections listed in this report

IMPLEMENTATION OF WESTCHESTER COUNTY POLICY FOR REMOVAL OF INFLOW AND INFILTRATION

The County of Westchester Planning Board has the authority under the County Charter, the NY General Municipal Law and the NY State Environmental Quality Review Act to comment on certain proposed real property development subject to approval by municipal authorities that will add sanitary sewage flow to the sanitary waste treatment facilities operated by the WCDEF. Where WCDEF has experienced inflow and infiltration related flow conditions at its facilities exceeding the County Sewer Act limits for inflow and infiltration that warrant attention by the municipality, WCDEF has, through the Planning Board, recommended the municipal lead agency require mitigation of such inflow and infiltration conditions as part of its SEQR findings. In some cases the municipal lead agency has required the property developer to undertake or fund sewer rehabilitation work in the municipality to remove three gallons of inflow and infiltration for every new gallon of sanitary flow the proposed development project will generate. For Fair and Affordable Housing development this requirement may be reduced to removal of one gallon of inflow and infiltration for every new gallon of sanitary flow. WCDEF supports the adoption of this policy for new development in every municipality where excess inflow and infiltration conditions have been identified in sanitary sewers tributary to County sanitary sewage facilities.

1. Identify any proposed real property development projects that became subject to County Planning Board review during the report year.

900 King Street Redevelopment

2. Describe any SEQR impact mitigation requirements requiring inflow and infiltration removal imposed by a municipal lead agency during the report year.

Project is still undergoing review – Applicant will propose suitable mitigation as required by Village Code.

3. Describe any inflow and infiltration reductions accomplished in the report year as the result of SEQR impact mitigation requirements imposed by municipal lead agencies.

N/A