



Cuyahoga County
Together We Thrive

2020 Annual Report

Prepared for the: **City of Parma**



By the: **Department of Public Works**





March 19, 2021

The Honorable Timothy DeGeeter
City of Parma
6611 Ridge Road
Parma, Ohio, 44129

Dear Mayor DeGeeter,

As the Director of Public Works, I am pleased to submit the 2020 Annual Report for the City of Parma. Our work within the communities, including yours, focuses on addressing infrastructure needs and meeting Ohio EPA goals for collection system operation and maintenance. We continue to improve our efficiency for sanitary and storm sewer maintenance throughout the County by maintaining a second shift to enable us to reduce overtime and to work in areas where normal working hour traffic is problematic. Our goal is always to provide a high level of service in a cost-effective manner.

The Covid-19 Pandemic affected our Public Works Department as it affected all communities in Cuyahoga County. Through the work of our dedicated staff members, we were able to continue to provide reliable maintenance services throughout our service area during this difficult time and we will continue to provide quality service for our member communities throughout the year.

This annual report contains a detailed overview of the work completed within your municipality in the past year. The overview of the work performed includes the following: collection system jet cleaning and TV inspection history, plan approval status, service program summary details and community operating and capital expenses.

The report for this and previous years is also available on our website at <http://publicworks.cuyahogacounty.us/en-US/Sewer-Maintenance-Services.aspx>

The Rules and Regulations and Uniform Standards and Details issued by the County continue to be available on our web site:

<http://publicworks.cuyahogacounty.us/en-US/SanitaryDrawings-Standards.aspx>

<http://publicworks.cuyahogacounty.us/en-US/Sanitary-Design-Construction-Drawings.aspx>

My staff is available to meet with you at your convenience should you wish to discuss this report or any of the services that our department provides. I am pleased and grateful for the opportunity of serving you through the Cuyahoga County Department of Public Works.

Respectfully submitted,

Michael W. Dever, MPA, Director
Department of Public Works

cc: (with attachments)

Brian Higgins, Service Director
Paul Deichmann, P.E., Engineer





The Power of Consolidation

2501 Harvard Avenue – Newburgh Heights

Sanitary Engineering, Road & Bridge & Fleet Management have consolidated to one location



The centralized Harvard Avenue Maintenance Yard is the successful consolidation of all staff previously located at the Canal, Brookpark and York Road facilities. This renovated facility is home to approximately 180 staff members.

- ADA-compliant design for all Office, Conference, and Training Room areas
- Conference and Training Rooms for up to 200 visitors
- Fleet Maintenance Area features: 9 static lifts and 3 mobile lifts
- Vehicle fueling areas for both Diesel and Gasoline
- Interior Vehicle Wash Bay
- LED Lighting for Interior Office, Garage, Exterior Parking Lot and Site Lighting
- Materials Storage Yard
- Dispatch Area
- Permits Area





SANITARY FLEET FACTS

THE POWER OF REGIONALISM



Current vehicles & equipment	Quantity
House Trucks	13
Specialized Plate Truck & specialized vehicles for catch basin repair	7
Combination Jet-Vac & Straight Jet Trucks	12
TV Camera Trucks	7
Backhoes, Mini Excavators & Rubber Wheel Loader	7
Class 5 Dump Trucks	6
Construction trucks	8
1 ton trucks for pump station service	5
43,000 to 53,000 GVWR single-axle dump trucks	6
58,000 to 60,000 GVRW tandem axle dump trucks	9
Class 550 with crane for pump station service	3
20-25 ton trailers	11
Small Trailers	13



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OVERVIEW

Established in 1919, the office of the Cuyahoga County Sanitary Engineer was created to provide administrative authority in matters of wastewater, storm water, and water supply management. In 2012, the Sanitary Engineering Division (formerly CCSE) became a part of the Cuyahoga County Department of Public Works (CCDPW), and now operates under County Executive Armond Budish.

The Sanitary Division's focus is on the maintenance and repair of aging sewer lines, sewer system needs assessment, engineering feasibility studies, and other infrastructure-related issues. These areas all have a direct impact on commercial and residential development, job creation, and expanding the tax base in the communities served by the Department of Public Works. Furthermore, the Sanitary Division is a major source of technical information for communities (mayors, municipal engineers, and service directors), which provides them with guidance for making infrastructure decisions within their community. The Sanitary Division has considerable experience in the maintenance, repair, and rehabilitation of sanitary and storm sewer systems, as well as significant expertise with respect to the operation and maintenance of pump stations and wastewater treatment plants.

The Sanitary Engineering Division of Public Works currently operates in 38 communities by agreement. Pursuant to such agreements, the Sanitary Division maintains more than 1,500 miles of sanitary sewers and 1,100 miles of storm sewers, operates 65 sewage-pumping stations, and maintains two wastewater treatment plants. Working in cooperation with the Ohio Environmental Protection Agency (Ohio EPA), the Northeast Ohio Regional Sewer District (NEORS), the Cuyahoga County Board of Health (CCBH), and the various communities, the Sanitary Division works to maintain water quality. This is done through the construction of new sanitary sewers, maintenance of existing sewer systems, and the investigation and remediation of illicit discharges (sanitary sewage which is improperly discharged into storm sewers).



All funds used for operation, maintenance, rehabilitation, and repair of the sewerage system are generated through fees and assessments. (Funding is not via the County's General Fund to perform these activities.)

The Department of Public Works has been in the forefront of regionalism efforts within the County. With services provided to more than half of the County's 59 communities, the Sanitary Division continues to maintain reasonable rates and improve infrastructure throughout the area.



GOALS

The Sanitary Engineering Division of Public Works has three (3) major goals:



1. Operate and maintain the sanitary sewerage systems to assist the communities in meeting the goals and objectives of the EPA Capacity Management Operation and Maintenance (CMOM) guidelines.
2. Provide guidelines for design and construction through the County's *"Uniform Standards for Sewerage Improvements"* and *"Rules and Regulations."*
3. Issue sewer connection permits and provide construction inspection for new sanitary sewers and new connections to existing sanitary sewers.

The goals of the Sanitary Engineering Division with respect to the maintenance and repair of sewers are accomplished through the activities of our three main Sanitary Division groups working together: Maintenance Services; Engineering & Construction Services; and, Administrative Services.

MAINTENANCE SERVICES

- Reduction of the number of flooded basements by maintaining existing capacity in the collection systems, minimize the inflow/infiltration of storm water to the sanitary system, and evaluate the structural integrity of the sewerage system;
- Optimization of maintenance efficiency to reduce operating costs and provide more available funds for capital improvement projects and repairs;
- Operation of wastewater treatment plants in compliance with the National Pollution Discharge Elimination System (NPDES) permit parameters;
- Maintenance and inspection of the existing collection system to achieve EPA CMOM maintenance goals;
- Operation and maintenance of pumping stations;
- Performance of Illicit Discharge Detection and Elimination Services





ENGINEERING AND CONSTRUCTION SERVICES

- Preparation of Task Orders for repairs and rehabilitation;
- Plan review and approval of all new sewer improvements within the County service area;
- Performance of engineering analyses (required for operation of facilities and the collection system);
- Capital improvement planning;
- Construction management and inspection;
- Provision of guidelines for new construction through use of the CCDPW *Uniform Standards for Sewerage Improvements*;
- Provision of infrastructure needs assessment for communities;
- Project design;
- Construction inspection of new wastewater collection systems within the county service area; and,
- Record keeping of as-built plans and test tee locations.



ADMINISTRATIVE SERVICES

- Issuance of connection permits;
- Maintenance of Record Drawings;
- Provision of Geographical Information Systems (GIS) for development and implementation;
- Fiscal oversight of annual operating budget and capital improvement budget;
- Administration of Grants and loans; and,
- Licensing and permitting of more than 200 contractors.

SUMMARY OF COUNTY-WIDE MAINTENANCE SERVICES

SEWERS

- High-pressure jetting of sewers in the right-of-way, approximately 335 miles of sewers in 2020;
- Point repairs of sewers, force mains, and structures; 2,855 construction visits; 1,817 catch basins cleaned;
- Cleaning of service laterals, including emergency maintenance and 24-hour on-call team for resident issues;
- TV inspection of approximately 304 miles of sewers to provide condition ratings, failures and/or deficiencies;
- I/I investigation and remediation, 359 visits;
- Implementation of preventative maintenance and upgrades to treatment plants and pumping stations, as well as the provision of licensed operators to monitor the condition of those facilities.





The Maintenance Services Department provides a full-service program to clean sewers, provide National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) condition ratings of sewers, maintain the structural integrity of the sewer systems, and perform repairs on sanitary and storm sewers. The objective of the program is the cleaning of all sanitary sewers every three years and performing video inspection every six years. This timeline is well within the NEORS D's "Best Management Practices" guidelines.

▪ **HOUSE LATERAL SERVICES**

The Maintenance Services House Lateral Service Department cleaned 10,240 house connections in 2020. The goal is to alleviate sewer back-ups by clearing blocked mains and cleaning service connections to restore sewer capacity.

The House Lateral Service Department also performs flow monitoring for Inflow and Infiltration (I&I) analysis, dye testing, smoke testing, and lateral sewer inspection to identify I&I sources and locations of illicit discharges. The Department works with the communities, the Ohio EPA and the NEORS D to protect local waterways.

▪ **PUMPING STATIONS**

The County operates 65 pumping stations throughout the 38 communities pursuant to the maintenance agreements. A Supervisory Control and Data Acquisition (SCADA) system monitors the stations. The system provides alarms and operational status through a central computer, providing 24-hour monitoring. New pump stations are added to the SCADA system as they come on-line. Our maintenance staff consists of experienced operators and technicians enabling us to repair most problems in-house, therefore keeping costs down. Their preventive maintenance program and dedication to the job has reduced emergency call-outs and overflows.





■ **WASTEWATER TREATMENT PLANTS**

The County operates two package wastewater treatment plants. The standards for each facility are set by the Ohio EPA through a National Pollution Discharge Elimination System (NPDES) permit. The support staff consists of wastewater operators, licensed by the Ohio EPA, who monitor the conditions of the plants and make necessary process adjustments to meet the requirements of each NPDES permit.



■ **CAPACITY, MANAGEMENT, OPERATION, AND MAINTENANCE PROGRAM (CMOM)**

The CMOM Program is a set of “best management practices” that have been developed by the industry and are applied over the life cycle of the sewer collection system. It is these general practices that are taken into consideration when a system is being reviewed by a federal or state agency. Improvement and recommendations are provided by the agencies based on deficiencies identified in the sanitary sewer system.

We continue to work with the NEORS (through their community discharge program) and with the Ohio EPA to ensure that our Sanitary Division’s best practices meet the CMOM goals.





SUMMARY OF ENGINEERING & CONSTRUCTION SERVICES

The Engineering and Construction Services Departments provide technical services to the communities including, but not limited to, capital project planning, grant and loan administration, design engineering, construction management, as well as inspection of sanitary and storm sewers, pump stations, and wastewater treatment facilities.

The sewer repair and rehabilitation program is managed by in-house personnel. A Sanitary Division engineer is assigned to each community to provide an individual contact for sewer related issues. Under the existing sewer maintenance agreements (based on video inspection information and requests from the communities), the County issues Task Orders for repair and rehabilitation by our forces, supplemented by two third-party contractors.

In 2020, on behalf of member communities, design plans were reviewed for nearly 30 construction projects. The Sanitary Engineering Division also coordinates and analyzes the results of field testing and flow monitoring to detect and eliminate storm water inflow/infiltration (I/I) from the sanitary sewer system and illicit discharges to the storm sewer system. Record drawings are prepared, scanned, and filed for record keeping. Information on new sewers and service connections are provided to our IT personnel for incorporation into the County's Geographical Information System (GIS).

The Sanitary Engineering Division and the Construction Department also oversee capital construction projects, including the development of financial packages in the form of grants and loans obtained from the State of Ohio. These funds are utilized for lining, repairing, replacing, and rehabilitating existing sanitary and storm sewerage systems.

The Construction staff provides inspection of all new sanitary sewers and for the connection of service laterals to existing sewers. The Inspectors ensure that projects are constructed in conformance to design plans, specifications, and the County's *"Uniform Standards."*





SUMMARY OF ADMINISTRATIVE SERVICES

■ PERMITS

The County issues residential and commercial sewer service connection permits for 38 communities. Only contractors registered with the Department of Public Works can obtain a permit. The permit process includes inspection by the County to ensure that the work is performed in conformance to the “Uniform Standards and Details”. Permanent records of all sewer connections are maintained by the County.

■ INFORMATION TECHNOLOGY

Information Technology (IT) provides computer and analytical support to internal end-users and to the communities serviced by the CCDPW. IT is responsible for the design, implementation, and maintenance of our Geographical Information System (GIS), other relational database systems, and guiding data acquisition tasks throughout the CCDPW. The GIS mapping program catalogues the location of sewer systems and performs analysis on spatial data. This information supports the planning, design, and maintenance of sewer systems, and ensures user fees are appropriately assessed and collected. Furthermore, the mapping program features access to information regarding permits that are on record.

Our Geographical Information System is continually being updated and expanded to include information on repair and rehabilitation activities as well as system maintenance and inspection activities. Information is shared between the County, member communities, and the NEORSRD to improve services and foster collaboration.



■ FINANCE

The Finance Department provides support services to various units within the CCDPW. Automated cost accounting programs and systems ensure accurate tracking and monitoring of expenditures, revenues, rate structures, and other data that provide financing for capital projects and operational budgets. All systems and programs are operated under generally accepted accounting principles. The CCDPW oversees an annual storm and sanitary sewer operating budget of more than \$20 million. Finance is responsible for accounts receivable, accounts payable, cost accounting, audit, inventory control, capital project financing, purchasing, and sewer assessment revenue management for member communities.

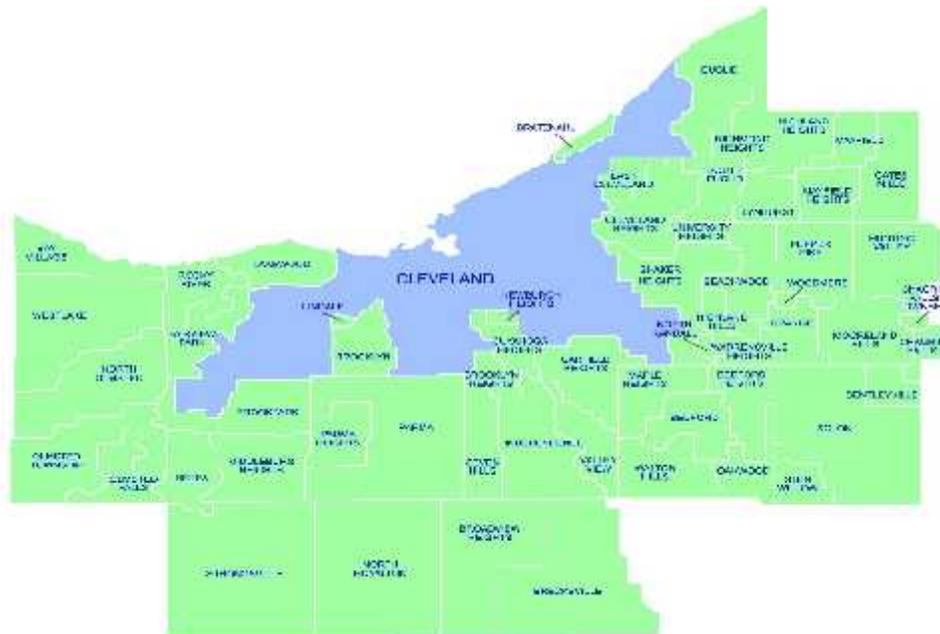


Appendix Description*

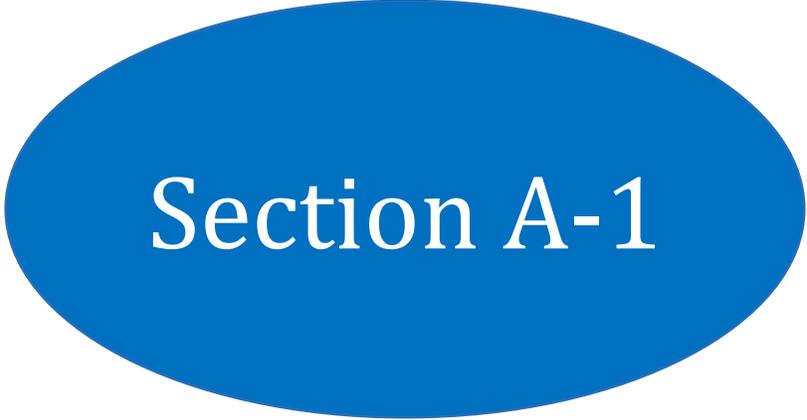
The following appendices contain a variety of reports representing the services provided to member communities in 2020. The CCDPW follows a manhole-to-manhole, sewer segment-based accounting method for jet cleaning and TV (video) inspection maintenance services. The first two appendices contain listings of the collection system cleaned and inspected for the year by street. The next appendix lists the plan approvals for the more significant projects submitted to, reviewed, and approved by the Engineering Department during the year for your community. Smaller review services such as house connections or ongoing, intermittent review of large multi-phase projects spanning several years of development are not shown on this report. The final appendices provide a breakdown of services including house visits, inflow/infiltration studies, construction activity, operating expenses, and capital project costs contracted for the community.

This annual report along with a map showing areas where collection system mainlines were jet cleaned and TV inspected, and locations where construction crew activities (e.g., house visits, and where house lateral connections needed to be cleaned or inspected) were provided, is available on our website at <http://publicworks.cuyahogacounty.us/en-US/Sewer-Maintenance-Services.aspx>. Adobe Corporation's free reader software is required and can be downloaded from www.adobe.com.

*** Please note:** These appendix reports are provided only to communities for which specific services are provided by the CCDPW. For example, if regularly scheduled mainline cleaning service is not provided for your community, a map was not produced. Similarly, if project review or capital project management services are not provided for your community, then there is also no corresponding report. Furthermore, certain specific member communities are provided limited maintenance only on County improvement mainlines and/or facilities.



Community Streets Cleaned*



Section A-1

*No service provided if section is blank

Collection System Jet Cleaning

PARMA

SANITARY

Street Count: 96

STREET	Jet footage	# of segments
ACKLEY ROAD	735	2
ALBER AVENUE	1,352	5
ALDEN DRIVE	2,231	9
ARROW LANE	1,226	6
AVALON DRIVE	698	3
BALL DIAMOND	300	1
BISCAYNE BOULEVARD	547	3
BOBKO BOULEVARD	2,350	8
BOWMEN LANE	587	3
BRAINARD DRIVE	1,479	7
BROADVIEW EASEMENT	825	3
BROADVIEW ROAD	8,111	35
BROOKPARK ROAD	270	1
CAMBRIDGE DRIVE	100	1
CAMELOT DRIVE	933	5
CHARLES AVENUE	2,829	10
CHEVROLET BOULEVARD	468	1
COVENTRY DRIVE	578	2
COVINGTON DRIVE	1,106	4
DAY DRIVE	3,193	22
DELLWOOD DRIVE	2,929	13
ENDERBY DRIVE	796	3
EVANS DRIVE	242	2
FARNSWORTH DRIVE	608	3
FORTUNE AVENUE	4,422	16
GOEBEL DRIVE	620	3
GRANTWOOD DRIVE	5,136	18
GROSS DRIVE	4,579	18
HAMPSTEAD AVENUE	287	1
HILLCREST LANE	689	3
HILLSDALE ROAD	838	3
HOERTZ ROAD	1,964	7
HOPEHAVEN DRIVE	0	1
JAMESON AVENUE	388	2
KADER DRIVE	1,073	5
KENMORE AVENUE	2,327	9
LANCELOT DRIVE	1,738	8

LANYARD DRIVE	0	1
LINCOLN AVENUE	210	1
LUCERNE AVENUE	6,058	25
LUELDA AVENUE	0	2
MALIBU DRIVE	417	2
MANHATTAN AVENUE	0	1
MANORFORD DRIVE	1,387	5
MAPLE DRIVE	1,008	5
MAPLECREST AVENUE	4,040	15
MEADOW LANE	895	3
MOONCREST DRIVE	304	1
MORNINGSIDE DRIVE	2,702	10
MUNICH DRIVE	0	1
NORRIS AVENUE	2,282	8
NORTH AVENUE	314	1
OXFORD DRIVE	350	1
PERSHING AVENUE	1,761	4
POWERS BOULEVARD	4,559	24
PRISCILLA AVENUE	6,361	25
RALSTON DRIVE	1,251	5
REGENCY DRIVE	600	2
RIDGE ROAD	4,672	25
ROANOKE EASEMENT	315	3
ROYCROFT DRIVE	967	4
RUSSELL AVENUE	610	2
SAGAMORE ROAD	922	4
SALISBURY DRIVE	575	2
SARASOTA DRIVE	392	3
SNOW ROAD	658	4
SOMIA DRIVE	2,997	11
SOUTH CANTERBURY RD	1,267	4
SOUTH PARK BOULEVARD	2,477	12
SOUTH TAMARACK DRIVE	150	1
SOUTHINGTON DRIVE	1,156	4
SPRAGUE ROAD	1,720	7
STANDISH AVENUE	1,882	8
STATE ROAD	19,158	82
STAUNTON EASEMENT	842	5
STRATFORD DRIVE	2,806	9
TAMARACK DRIVE	1,071	4
THEOTA AVENUE	150	1
THORNCLIFFE BOULEVARD	469	3
TUXEDO AVENUE	919	3

VALEWOOD EASEMENT	382	2
VICKSBURG DRIVE	361	1
W PLEASANT VALLEY ROAD	250	2
WARD ROAD	60	1
WEST 24 STREET	145	1
WEST 48 STREET	443	2
WEST 54 STREET	2,376	8
WEST RIDGEWOOD DRIVE	1,411	5
W SPRAGUE ROAD	3,649	12
WESTMINSTER DRIVE	1,815	6
WEXFORD AVENUE	350	1
WILBER AVENUE	1,605	6
WINCHESTER EASEMENT	281	1
WINDHAM ROAD	1,296	5
WINTHROP DRIVE	1,752	8
YORK ROAD	1,453	9

JET SANITARY TOTAL: 156,858 659

STORM

Street Count: 73

STREET

Jet Footage # of segments

ABBOT DRIVE	420	5
ACKLEY ROAD	735	2
ARCADIA DRIVE	0	1
ARROW LANE	2,802	18
AUGUSTINE DRIVE	2,752	12
BOWMEN LANE	2,011	10
BROADVIEW ROAD	3,728	14
CAMELOT DRIVE	757	4
CENTER DRIVE	3,614	15
CHESTNUT DRIVE	222	2
COVENTRY DRIVE	3,186	15
DAY DRIVE	0	1
DENTZLER ROAD	4,606	33
EVANS DRIVE	70	1
EVERGREEN DRIVE	192	1
FARNSWORTH DRIVE	608	3
FORTUNE AVENUE	4,422	16
FRIAR DRIVE	1,842	8
GLENCAIRN DRIVE	516	4
GRANTWOOD DRIVE	697	3
GROSS DRIVE	3,352	12
HAMPSTEAD AVENUE	649	2
HILLSDALE AVENUE	568	2

HETZEL DRIVE	4,402	22
HILLTOP DRIVE	3,224	13
HOPEHAVEN DRIVE	0	1
JEANNE DRIVE	2,477	10
KADER DRIVE	1,074	5
KENMORE AVENUE	2,327	9
KING RICHARD DRIVE	1,892	7
KLUSNER AVENUE	3,932	17
LYLE AVENUE	170	2
LUCERNE AVENUE	6,058	25
MAPLECREST AVENUE	4,040	15
MARDA DRIVE	2,816	11
MARKO LANE	554	5
MEADOW LANE	4,297	26
NORMANDY DRIVE	1,242	7
NOTTINGHAM DRIVE	1,206	4
PARK DRIVE	3,541	13
PARKVIEW AVENUE	514	3
PLEASANT VALLEY ROAD	2,321	27
POWERS BOULEVARD	1,329	5
PRISCILLA AVENUE	4,056	17
ROANOKE DRIVE	606	4
ROANOKE EASEMENT	315	3
ROBINHOOD DRIVE	1,379	5
RUSTIC TRAIL	445	1
SARASOTA DRIVE	40	1
SHERWOOD DRIVE	1,339	4
SNOW ROAD	321	2
SOUTH PARK BOULEVARD	400	1
SOUTH TAMARACK DRIVE	150	1
STANFIELD DRIVE	2,569	10
STARY DRIVE	180	1
STATE ROAD	7,382	31
STAUNTON DRIVE	807	3
STAUNTON EASEMENT	163	1
STRATFORD DRIVE	1,755	5
TAMARACK DRIVE	605	2
TANGLEWOOD LANE	30	1
TUXEDO AVENUE	617	2
WEST 130 STREET	210	2
WEST 48 STREET	958	4

WEST 54 STREET	1,331	5
W PARKVIEW DRIVE	2,026	14
W PLEASANT VALLEY ROAD	349	3
WARD ROAD	2,137	14
WEST SPRAGUE ROAD	160	1
WESTLAKE AVENUE	0	1
WESTMINSTER DRIVE	355	1
WILBER AVENUE	0	1
YORK ROAD	2,572	14

JET STORM TOTAL: 118,420 566

JET SANITARY & STORM GRAND TOTAL: 275,278 1,225

Community Streets Inspected*



Section A-2

*No service provided if section is blank

Collection System TV Inspection

PARMA

SANITARY

Street Count: 72

STREET	CCTV Footage	# of segments
ALDEN DRIVE	2,177	9
ALLANWOOD ROAD	5	1
ARROW LANE	1,719	9
AVALON DRIVE	712	3
AVALON EASEMENT	157	1
BOWMEN LANE	1,933	9
BRADENTON BOULEVARD	1,204	6
BRIAN DRIVE	61	1
BROADVIEW ROAD	6,504	23
BROOKPARK ROAD	314	1
CAMELOT DRIVE	1,085	5
CHARLES AVENUE	2,030	7
CHESTNUT DRIVE	311	2
COVENTRY DRIVE	2,586	13
DAY DRIVE	3,193	21
DELLWOOD DRIVE	945	5
DENTZLER ROAD	3,204	14
GLENCAIRN DRIVE	665	4
HAMPSTEAD AVENUE	2,056	7
HARWOOD DRIVE	715	4
HOERTZ ROAD	1,951	7
KENILWORTH AVENUE	64	1
LANCELOT DRIVE	1,563	7
LINCOLN AVENUE	198	1
MANASSAS OVAL	228	1
MAPLE DRIVE	1,017	5
MARIONCLIFF DRIVE	0	1
MARKO LANE	343	3
MEADOW LANE	2,621	12
MELODY LANE	689	3
NORRIS AVENUE	1,825	9
NOTTINGHAM DRIVE	1,471	6
ONAWAY OVAL	210	2
PARK DRIVE	550	5
PARKLAND DRIVE	588	3

PARKVIEW AVENUE	200	1
PLEASANT VIEW DRIVE	1,016	7
POWERS BOULEVARD	3,230	19
PRISCILLA AVENUE	2,334	8
RIDGE ROAD	3,094	17
ROANOKE DRIVE	1,634	8
ROBINHOOD DRIVE	1,345	6
ROCKSIDE ROAD	254	1
RUNNING BROOK DRIVE	792	4
RUSTIC TRAIL	621	3
SAGAMORE ROAD	924	4
SHENANDOAH OVAL	215	1
SHERATON DRIVE	1,141	5
SHERWOOD DRIVE	1,347	5
SNOW ROAD	1,624	7
SPRAGUE ROAD	1,720	7
SOMIA DRIVE	2,732	11
STANDISH AVENUE	1,818	7
STATE ROAD	19,200	87
STRATFORD DRIVE	1,402	4
SUNHAVEN OVAL	698	5
TAMARACK DRIVE	1,992	9
THORNCLIFFE BOULEVARD	1,578	9
VALEWOOD EASEMENT	396	2
VICKSBURG DRIVE	1,373	6
W PLEASANT VALLEY ROAD	2,331	10
WARD ROAD	1,560	8
WEST 54 STREET	4,569	16
WEST LINDEN LANE	12	1
WEST RIDGEWOOD DRIVE	613	2
WEST SPRAGUE ROAD	3,951	13
WILBER AVENUE	2,031	10
WINTHROP DRIVE	1,869	8
WOODROW AVENUE	245	1
WOODROW EASEMENT	334	1
YORK ROAD	2,172	12
YORKSHIRE ROAD	200	1

CCTV SANITARY TOTAL: 117,460 537

STORM

Street Count: 63

STREET	CCTV Footage	# of segments
ABBOT DRIVE	420	5
ALLANWOOD ROAD	5	1
ARROW LANE	3,069	19
AUGUSTINE DRIVE	2,752	12
BOWMEN LANE	2,011	10
BROADVIEW ROAD	3,241	5
CENTER DRIVE	3,669	15
CHESTNUT DRIVE	759	5
COVENTRY DRIVE	3,186	15
DENTZLER ROAD	4,606	33
FENWAY DRIVE	445	2
FRIAR DRIVE	1,842	8
GLENCAIRN DRIVE	516	4
HAMPSTEAD AVENUE	121	1
HARCOURT DRIVE	0	1
HETZEL DRIVE	4,402	22
HILLTOP DRIVE	3,224	13
HOPEHAVEN DRIVE	893	5
JEANNE DRIVE	2,477	10
KING RICHARD DRIVE	1,892	7
KLUSNER AVENUE	3,932	17
LYLE AVENUE	170	2
MAPLE DRIVE	224	1
MAPLEWOOD ROAD	51	1
MARDA DRIVE	2,816	11
MARKO LANE	554	5
MEADOW LANE	4,209	26
NORMANDY DRIVE	1,242	7
NOTTINGHAM DRIVE	1,206	4
OAKWOOD ROAD	481	2
ONAWAY OVAL	210	2
ORCHARD PARK DRIVE	68	1
PARK DRIVE	3,541	13
PARKLAND DRIVE	886	6
PARKVIEW AVENUE	514	3
PERSHING AVENUE	532	1
PLEASANT VALLEY ROAD	2,321	27
RIDGE ROAD	43	1
ROANOKE DRIVE	2,257	11

ROBINHOOD DRIVE	1,379	5
ROCKSIDE ROAD	254	1
RUNNING BROOK DRIVE	792	4
RUSTIC TRAIL	621	3
SHERATON DRIVE	1,141	5
SHERWOOD DRIVE	1,339	4
SNOW ROAD	1,020	6
STANFIELD DRIVE	2,569	10
STATE ROAD	7,398	35
STRATFORD DRIVE	1,402	4
TAMARACK DRIVE	1,175	5
TORRINGTON AVENUE	858	3
VALEWOOD EASE	396	2
W PARKVIEW DRIVE	2,026	14
W PLEASANT VALLEY ROAD	698	5
WARD ROAD	2,137	14
WEST 130 STREET	121	1
WEST 24 STREET	88	1
WEST 48 STREET	958	4
WEST 54 STREET	3,986	14
WEST SPRAGUE ROAD	500	2
WESTLAKE AVENUE	570	3
WILBER AVENUE	78	3
YORK ROAD	2,122	13

CCTV STORM TOTAL: 98,414 495

CCTV SANITARY & STORM GRAND TOTAL: 215,874 1,032



Plan Approvals*



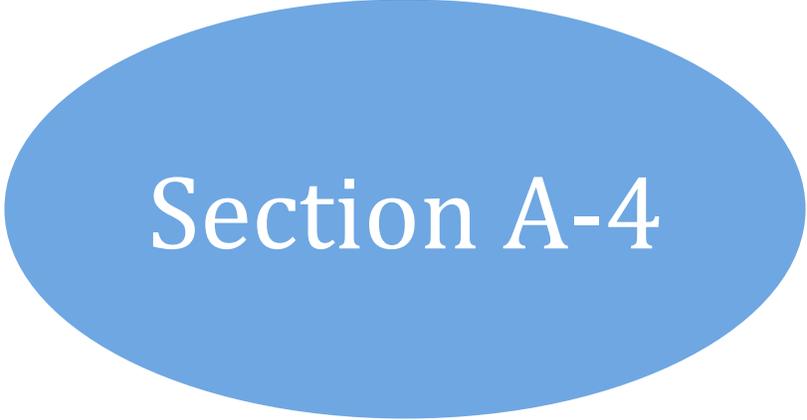
Section A-3

*No service provided if section is blank

Parma Plan Approvals

Project ID	Project Name	Approval Date
19-050(1)	Busch Development Corp 7475 Ridge	3/3/2020
19-050(2)	Busch Development Corp 7501 Ridge	3/4/2020
19-050(3)	Busch Development Corp 7525 Ridge	3/5/2020
20-005(1)	Meijer's Store # 321	5/13/2020
20-013(1)	Clean Express Car Wash	6/9/2020
20-007(1)	Chick-Fil-A Parma Store # 4177	8/3/2020
20-033(1)	Roanoke Dr Lots 1&2	12/16/2020

Service Program Summary*



Section A-4

*No service provided if section is blank

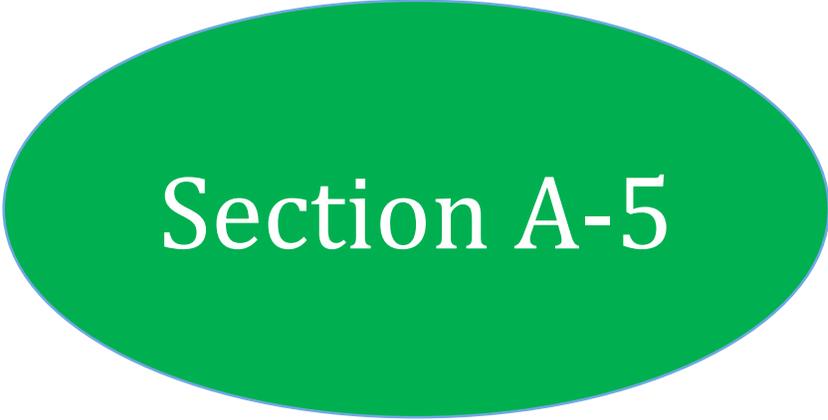
City of Parma

<u>Type</u>	<u>Community Total</u>
Sanitary Sewers	1,265,287 Feet
Manholes	5,412,(Approximately)

2020 Service Program

<u>Program</u>	<u>2020 Activity</u>
1) High Pressure Jet Cleaning	275,278 Feet
<u>Sanitary</u> - 156,858 Feet	
<u>Storm</u> - 118,420 Feet	
2) House Service	2,945 Calls
3) Television Inspection	215,874 Feet
<u>Sanitary</u> - 117,460 Feet	
<u>Storm</u> - 98,414 Feet	
4) Construction Activities	778 Job(s)
5) Dye Testing	17 Test(s)
6) Construction Permits Issued	
(Commercial)	8
(Residential)	160
7) Plan Approvals	7 Plan(s)
8) Construction Inspection	
a) Main Lines Inspected	189 Feet
b) Public R.O.W. Service Laterals	286 Feet
c) Commercial/Residential Service Laterals	7,921 Feet
9) Catch Basins Cleaned	266

Community Operating Expenses*



Section A-5

*No service provided if section is blank

City of Parma
2020 Operating Expenses

<u>Activity</u>	<u>Cost</u>
1. Maintenance of Sanitary Sewerage Systems	\$3,242,966
2. Pump Station Operation and Maintenance	\$111,553
3. Wastewater Treatment Plant Maintenance	\$ 0
4. Engineering and/or Inspection	\$249,755
5. Capital Expenses (See Section A-6 if any)	\$604,917
 Total Operating Expenses:	 \$4,209,191

Community Capital Expenses*



Section A-6

*No service provided if section is blank

City of Parma

2020 Capital Expenses

Allanwood Drive Repair	\$ 19,725
Arrow Lane Lining	\$ 108,854
Broadrock Drill Drop Loan	\$ 13,300
Broadview Drill Drop Loan	\$ 22,029
Fernhill Loan	\$ 98,249
Kenilworth Road Repair	\$ 21,539
Pleasant Valley Road Repair	\$ 31,027
Sandy Hook Drive Repair	\$ 15,323
Sewer Repair Loan	\$ 82,105
Snow Road Sewer Abandonment	\$ 11,266
Snow Road Repair	\$ 19,723
Sheraton Drive Lining	\$ 48,581
Sprague Road Repair	\$ 41,193
Ridge Road Repair	\$ 10,627
Tuxedo Avenue Repair	\$ 17,056
York Road Repair	\$ 44,320
Total Capital Expenses:	\$ 604,917



CONTACT INFORMATION

Cuyahoga County Department of Public Works
2501 Harvard Avenue
Newburgh Heights, OH 44105

Email: Publicworks@cuyahogacounty.us

Website: Publicworks.cuyahogacounty.us

Michael W. Dever, M.P.A.	Director of Public Works
Thomas P. Sotak, P.E.	Deputy Chief – Engineering
Mellany Seay	Finance & Operations Administrator
Nichole L. English, P.E.	Planning & Programming Administrator
Bryan J. Hitch	Deputy Chief - Maintenance
Hugh Blocksidge, P.E.	Chief Section Engineer Sanitary
Edward V. Premen, M.B.A.	Business Services Manager

Department of Public Works Administrative Headquarters
2079 East Ninth Street- 5th Floor
Cleveland, Ohio 44115

Dispatch Office.....	(216) 443-8201
Dispatch Email.....	PWDispatch@cuyahogacounty.us
Administration.....	(216) 348-3867
Inspection & Permits.....	(216) 443-8209
Sewer Maintenance.....	Gary Green, Senior Supervisor(216) 443-8225
Sewer Maintenance.....	John Gribble, Senior Supervisor(216) 443-8227
Lateral Services.....	Robert Dietrich, Supervisor(216) 698-3566
Construction (EAST).....	Dave Novak, Supervisor(216) 348-4238
Construction (WEST).....	Pat Mauk, Supervisor(216) 348-3849
Sewer Jetting.....	Tom Noy, Supervisor(216) 348-3901
Televised Inspection.....	Todd Swindell, Supervisor(216) 443-8224
Pump Station Operations.....	Don Cox, Supervisor(216) 698-8482
Sewer Maintenance.....	Brandon Skufca, Supervisor(216) 443-8226
Sewer Maintenance.....	Mitch Holt, Supervisor(216) 443-8229

Cuyahoga County

Department of Public Works

2079 East Ninth Street | Cleveland, OH 44115 | 216.348.3800



Cuyahoga County
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