



**Cuyahoga County**  
*Together We Thrive*

# 2019 Annual Report

Prepared for the: **City of Parma**



By the: **Department of Public Works**







March 18, 2020

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

Dear Mayor DeGeeter,

As Director of Public Works, I am pleased to submit the 2019 Annual Report for the City of Parma. Our work within the communities focuses on addressing the infrastructure needs of the sewer collection system, as well as meeting Ohio EPA goals. Our goal is to provide a high level of service in a cost-effective manner by striving to improve our efficiency throughout the County. The Department of Public Works has successfully consolidated our Sanitary Engineering, Road & Bridge and Fleet Management operations into one centralized Harvard Avenue Maintenance Yard in Newburgh Heights. The newly renovated facility is home to nearly 180 staff members.

This report is a detailed overview of the work completed within your municipality in the past year and is organized as follows:

- Overview
- Sewer Collection System Jet Cleaning and Television Inspection Summaries
- Plan Approvals Summary
- Service Program Summary
- Community Operating and Capital Expenses

The County is now emailing annual reports, and the report as well as a detailed service map is also available on our website at:

<http://publicworks.cuyahogacounty.us/en-US/Sewer-Maintenance-Services.aspx>

New Rules and Regulations and Uniform Standards and Details have been issued by the County and are also 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. On behalf of the entire Cuyahoga County Department of Public Works, we are pleased and grateful for the opportunity to be of service to you and your community.

Respectfully submitted,

Michael W. Dever, MPA  
Director of Public Works

Cc: (with attachments)

Brian Higgins, Service Director

Paul Deichmann, City Engineer



# The Power of Consolidation

## 2501 Harvard Avenue – Newburgh Heights



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



**The successful consolidation of all staff previously located at the Canal, Brookpark and York Road facilities to the centralized Harvard Avenue Maintenance Yard is now complete. The newly 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	12
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	8
Class 5 Dump Trucks	3
Construction trucks	7
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	2
20-25 ton trailers	10
Small Trailers	15



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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 63 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 346 miles of sewers in 2019;
- Point repairs of sewers, force mains, and structures; 3,109 construction visits;
- Cleaning of service laterals, including emergency maintenance and 24-hour on-call team for resident issues;
- TV inspection of approximately 348 miles of sewers to provide condition ratings, failures and/or deficiencies;
- I/I investigation and remediation, 559 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 time line is well within the NEORS's *"Best Management Practices"* guidelines.

#### ■ **HOUSE LATERAL SERVICES**

The Maintenance Services House Lateral Service Department cleaned 8,385 house connections in 2019. 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 to protect local waterways.

#### ■ **PUMPING STATIONS**

The County operates 63 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 2019, on behalf of member communities, design plans were reviewed for nearly 50 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**

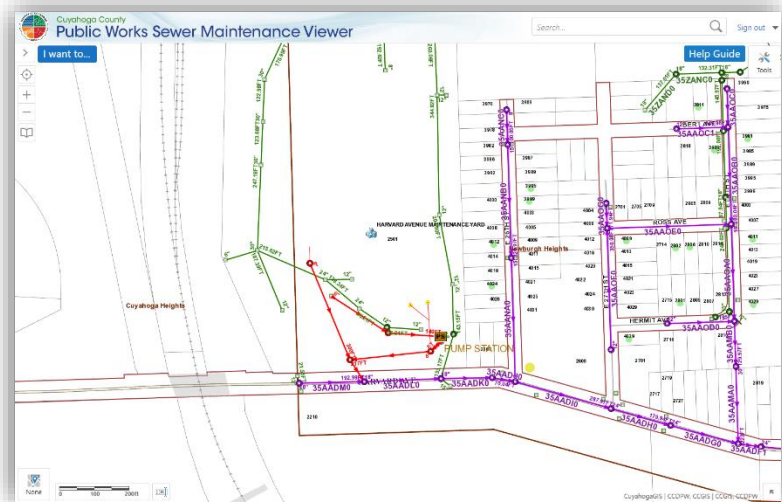
### ■ PERMITS

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 NEORSd 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 \$17 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.



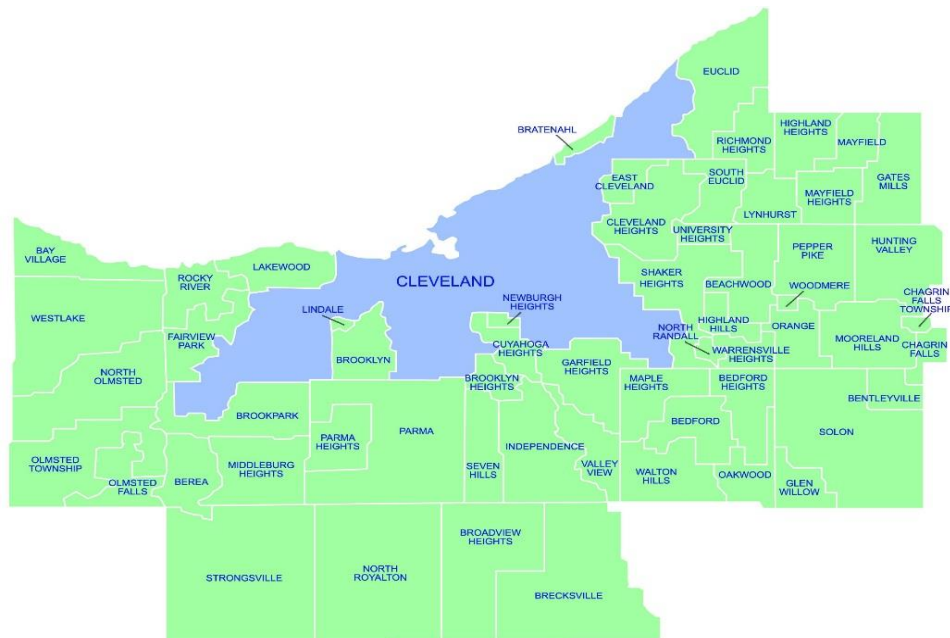


## Appendix Description\*

The following appendices contain a variety of reports representing the services provided to member communities in 2019. 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](http://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.





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# Community Streets Cleaned\*



## Section A-1

\*No service provided if section is blank

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# Collection System 2019 Jet Cleaning

## Parma

### **SANITARY**

Street Count: 248

<b>STREET</b>	<b>Jet Footage</b>	<b># of segments</b>
ABBOT DRIVE	356	2
ACKLEY ROAD	732	3
AMES ROAD	2,504	12
ANDOVER DRIVE	1,130	7
ANN ARBOR DRIVE	7,265	31
ANTOINETTE DRIVE	1,278	6
APOLLO DRIVE	454	4
ARBOR DRIVE	1,187	6
ARBOR PARK DRIVE	370	2
ARCADIA DRIVE	1,067	8
ARLINGTON LANE	884	8
ARROW WOOD OVAL	127	1
ASPEN CIRCLE	156	1
AUGUSTINE DRIVE	608	3
BANNER LANE	1,120	6
BARON DRIVE	673	3
BARON EASEMENT	679	5
BARTON CIRCLE	574	3
BARTON HILL DRIVE	624	4
BEAU COURT	162	1
BERESFORD AVENUE	3,548	15
BISCAYNE BOULEVARD	687	3
BOBKO BOULEVARD	3,041	11
BONNY BOULEVARD	712	3
BOUNDARY LANE	3,549	12
BRAINARD DRIVE	998	4
BROADVALE DRIVE	173	1
BROOKDALE AVENUE	2,447	8
BROOKPARK ROAD	414	2
BROWNFIELD DRIVE	4,185	15
BRUENING DRIVE	1,715	7
CECELIA DRIVE	301	1
CENTER DRIVE	2,824	9
CHATEAU DRIVE	500	2
COCOA DRIVE	794	4
CONCORD DRIVE	2,326	9
CORAL GABLES DRIVE	506	2
COTTONWOOD LANE	610	2
CROSSLINE DRIVE	134	1
DAVID AVENUE	2,479	12
DAVID EASE	779	4

DAWN HAVEN DRIVE	1,411	7
DAWN VISTA OVAL	736	3
DAY DRIVE	1,977	11
DAYTONA DRIVE	278	1
DEBBY DRIVE	1,190	6
DECKER DRIVE	436	1
DEER RUN TRAIL	182	1
DELL HAVEN DRIVE	1,801	10
DENTZLER ROAD	924	7
DOGWOOD LANE	3,232	18
DOVER LANE	437	1
EAST BAGLEY ROAD	474	2
EAST LINDEN LANE	4,965	22
ELY VISTA DRIVE	3,865	16
ENGLEWOOD DRIVE	288	1
ESSEN AVENUE	327	1
EVANS DRIVE	121	1
EVENTIDE DRIVE	421	1
FAIRLAWN DRIVE	595	2
FARNSWORTH DRIVE	536	3
FAY DRIVE	541	2
FENWAY DRIVE	1,934	10
FERNHILL AVENUE	602	2
FLEGER DRIVE	530	3
FOREST HILLS BOULEVARD	358	3
FORT MYERS COURT	581	3
FRUITLAND DRIVE	1,575	6
GILBERT AVENUE	1,031	4
GLAMER DRIVE	4,532	21
GORDON DRIVE	3,971	23
GORDON EASEMENT	277	1
GREEN ACRES DRIVE	2,695	14
GREENLEAF AVENUE	2,984	10
GROSS DRIVE	4,219	19
HAROLD AVENUE	242	2
HARWOOD DRIVE	463	2
HAUSERMAN ROAD	395	2
HETZEL DRIVE	1,664	7
HIALEAH DRIVE	1,409	5
HICKORY HILL LANE	352	1
HIGHLAND HILLS COURT	267	1
HIGHVIEW DRIVE	113	1
HILLCREST LANE	1,281	5
HOLLENBECK CIRCLE	1,046	3
HOLLENBECK EASEMENT	199	1
HOPEHAVEN DRIVE	1,427	8
IRONWOOD CIRCLE	32	1
JAMESTOWN DRIVE	169	1
JILL DRIVE	426	2

JOANN DRIVE	1,138	8
JOHNSON DRIVE	4,117	15
JOYCE DRIVE	910	5
KADER DRIVE	5,029	22
KENTON AVENUE	325	1
KEY WEST DRIVE	1,051	4
KING RICHARD DRIVE	1,295	5
KLUSNER AVENUE	225	2
KNOWLES DRIVE	694	2
KOCH DRIVE	397	2
LAKEVIEW CIRCLE	283	2
LAKEVIEW DRIVE	748	7
LALEMANT DRIVE	2,371	10
LANGERFORD DRIVE	2,274	14
LASSITER DRIVE	2,357	10
LASSITER OVAL	265	1
LAURENT DRIVE	1,640	10
LIDO COURT	375	2
LIME LANE	910	7
LINCOLNSHIRE LANE	237	2
LIST LANE	4,915	19
LUELDA AVENUE	2,171	8
LYNETT DRIVE	2,698	15
MAGDALA DRIVE	1,272	8
MALIBU DRIVE	4,207	17
MAPLEWOOD ROAD	2,884	14
MARDA DRIVE	5,906	21
MARKO LANE	493	4
MARLBOROUGH AVENUE	2,356	10
MAYBERRY DRIVE	1,494	6
MAYSDAY AVENUE	365	1
MEADOW LANE	4,757	21
MILLERWOOD LANE	275	1
MIRABEAU DRIVE	597	4
MOONCREST DRIVE	1,011	3
MOORE DRIVE	939	4
MUNICH DRIVE	3,829	15
NASSAU DRIVE	1,500	9
NATHAN DRIVE	266	3
NEIL DRIVE	560	3
NEIL EASEMENT	220	1
NELSON BOULEVARD	739	3
NEWCOMB DRIVE	2,330	10
NIGHT VISTA DRIVE	2,739	9
NOBB HILL DRIVE	1,589	6
NORMANDY DRIVE	843	4
NORTH AVENUE	3,126	12
NORTH MIAMI DRIVE	250	2
NORTH SARASOTA DRIVE	776	4



OAKBROOK OVAL	375	2
OAKWOOD ROAD	2,548	10
OCALA DRIVE	1,029	6
ORCHARD PARK DRIVE	1,824	7
ORCHARDVIEW ROAD	393	1
ORLANDO DRIVE	551	2
PANAMA DRIVE	962	4
PARK DRIVE	2,966	10
PARKLANE DRIVE	300	1
PARKSIDE DRIVE	243	1
PARKSIDE EASEMENT	1,056	5
PARMA PARK BOULEVARD	2,934	5
PARMENTER DRIVE	950	3
PEACHTREE LANE	488	2
PECAN DRIVE	487	5
PELHAM DRIVE	3,500	14
PIN OAK DRIVE	2,605	14
PINE FOREST DRIVE	679	2
PINE OVAL EASEMENT	328	1
PINE OVAL	397	2
PINEHURST DRIVE	1,758	9
PLEASANT HILL DRIVE	2,818	13
PLEASANT LAKE BOULEVARD	2,498	13
PLEASANT VALLEY ROAD	10,671	39
POMPANO COURT	184	1
RALSTON DRIVE	1,797	9
RAVENSWOOD DRIVE	1,399	7
REGAL DRIVE	1,097	4
REGENCY DRIVE	6,681	30
REICHERT ROAD	3,878	17
RIDGE EASEMENT	1,391	5
RIDGE ROAD	2,873	15
RIESTER STREET	321	1
RIVEREDGE DRIVE	2,499	4
ROBERT STREET	734	4
ROBINHOOD DRIVE	616	2
ROEPER ROAD	546	3
RONALD DRIVE	4,397	19
ROUSSEAU DRIVE	2,363	15
ROYAL RIDGE DRIVE	1,378	5
ROYALVIEW DRIVE	2,903	12
RUNNING BROOK DRIVE	3,063	13
RUSTIC TRAIL	610	6
RUTH DRIVE	269	1
SAINT ANDREWS DRIVE	1,246	8
SANDY HOOK DRIVE	5,074	24
SAPPHIRE COURT	1,471	4
SARASOTA DRIVE	2,053	8
SASSAFRAS DRIVE	2,087	13

SCARLET OAK LANE	899	4
SCHWAB DRIVE	2,169	9
SELWICK DRIVE	2,350	10
SEMRA CIRCLE	630	2
SEQUOIA DRIVE	3,479	17
SHERWOOD DRIVE	729	3
SIERRA OVAL	2,381	12
SKYLARK DRIVE	2,187	11
SLEEPY HOLLOW DRIVE	2,144	9
SOMIA DRIVE	350	1
SOUTH LAKE BOULEVARD	637	6
SOUTH TAMARACK DRIVE	931	6
SPRAGUE ROAD	284	1
STANFIELD DRIVE	2,896	9
STARY DRIVE	2,666	13
STATE ROAD	535	2
STORMES DRIVE	2,515	11
SUN RAY DRIVE	757	2
SUN VISTA DRIVE	1,145	4
SUNHAVEN OVAL	1,047	5
SUNRISE OVAL	1,178	6
TALBOT DRIVE	539	2
TAMARACK DRIVE	1,504	6
TAMIAMI DRIVE	1,113	5
TANGLEWOOD LANE	2,145	8
TERRACE COURT	771	5
THOREAU DRIVE	3,505	18
TRACY TRAIL	4,535	25
TREVOR LANE	1,014	5
TROY OVAL	582	4
TUXEDO AVENUE	463	2
VALLEY LANE	268	2
VALLEY VILLAS DRIVE	1,574	7
VELMA AVENUE	3,750	15
VIENNA DRIVE	3,769	13
VILLE COURT	139	1
VISTA DRIVE	346	1
W PLEASANT VALLEY RD	6,757	28
WAKE ROBIN DRIVE	591	2
WENDY DRIVE	653	4
WEST 130 STREET	320	1
WEST 24 STREET	638	3
WEST 54 STREET	3,980	19
WEST 9 STREET	2,358	7
WEST LIST EASEMENT	190	1
WEST LIST LANE	760	3
WEST MORELAND ROAD	290	1
WEST RIDGEWOOD DRIVE	5,564	18
WEST SPRAGUE ROAD	3,845	19

WHIPPOORWILL LANE	733	3
WHITAKER DRIVE	481	3
WHITTINGTON DRIVE	787	3
WILLISTON DRIVE	1,213	6
WINDHAM ROAD	819	3
WINTERPARK DRIVE	1,446	6
WOOD THRUSH DRIVE	1,299	7
WOODBURY HILLS DRIVE	2,669	12
WOODWAY ROAD	142	1
YORK ROAD	2,153	8
ZONA LANE	2,983	17

**JET SANITARY TOTAL: 387,818 1,730**

## **STORM**

Street Count: 47

<b>STREET</b>	<b>Jet Footage</b>	<b># of segments</b>
ANN ARBOR DRIVE	126	1
BERESFORD AVENUE	284	1
BROADVIEW ROAD	385	2
BROOKDALE AVENUE	1,059	3
BROWNFIELD DRIVE	3,297	12
BUCKINGHAM DRIVE	272	1
CHESTNUT HILLS DRIVE	145	1
DAVID AVENUE	375	3
DEER RUN TRAIL	300	1
DENTZLER ROAD	924	7
FOX HOLLOW DRIVE	626	2
GREEN ACRES DRIVE	325	3
GROSS DRIVE	1,652	7
JOHNSON DRIVE	2,246	9
LUELDA AVENUE	1,118	4
MAGDALA DRIVE	1,065	6
MEADOW LANE	1,100	6
NATHAN DRIVE	133	1
NELSON BOULEVARD	130	2
NEWCOMB DRIVE	30	3
NORTH AVENUE	4,022	14
PARKSIDE DRIVE	800	2
PEARL ROAD	250	1
PELHAM DRIVE	1,109	5
REICHERT ROAD	2,551	16
RIDGE ROAD	585	6
RUNNING BROOK DRIVE	2,715	14
RUSTIC TRAIL	697	4
SAGAMORE ROAD	470	2
SCHWAB DRIVE	1,465	6
SHERWOOD DRIVE	874	2
STARY DRIVE	191	1



THEOTA AVENUE	0	1
THORNCLIFF BOULEVARD EASEMENT	500	2
THORNCLIFFE BOULEVARD	135	1
TRACY TRAIL	213	2
VELMA AVENUE	2,429	8
VIENNA DRIVE	150	1
W PLEASANT VALLEY ROAD	175	1
WARD ROAD	495	2
WEST 130 STREET	596	3
WEST 24 STREET	334	1
WEST 54 STREET	378	2
WEST 9 STREET	637	1
WEST RIDGEWOOD DRIVE	861	4
WEST SPRAGUE ROAD	285	1
YORK ROAD	60	2

**JET STORM TOTAL: 38,569 187**

**JET SANITARY & STORM GRAND TOTAL: 426,387 1,917**

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# Community Streets Inspected\*



## Section A-2

\*No service provided if section is blank

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# Collection System 2019 CCTV Inspection

## PARMA

### SANITARY

Street Count: 264

<b>STREET</b>	<b>TV Footage</b>	<b># of segments</b>
ABBOT DRIVE	326	2
AMBER LANE	453	2
AMES ROAD	4,186	19
ANDOVER DRIVE	1,076	6
ANDOVER EASEMENT	237	2
ANN ARBOR DRIVE	4,325	17
ANTOINETTE DRIVE	1,247	6
APOLLO DRIVE	349	2
ARBOR DRIVE	1,532	7
ARBOR PARK DRIVE	1,106	5
ARCADIA DRIVE	1,231	9
ARROW WOOD OVAL	178	1
ASPEN COURT	195	1
AUGUSTINE DRIVE	2,480	9
BANNER LANE	1,933	12
BARON DRIVE	907	3
BARTON CIRCLE	625	3
BARTON HILL DRIVE	1,801	8
BEAU COURT	209	1
BERESFORD AVENUE	2,335	10
BISCAYNE BOULEVARD	2,077	11
BISCAYNE EASEMENT	340	2
BOBKO BOULEVARD	2,017	7
BONNY BOULEVARD	1,395	9
BOUNDARY LANE	3,427	15
BRADLEY AVENUE	1,044	4
BRAINARD DRIVE	325	2
BRIAN DRIVE	2,012	14
BROADVALE DRIVE	478	2
BROADVIEW EASEMENT	811	2
BROWNFIELD DRIVE	5,195	16
BRUENING DRIVE	1,677	8
BURDEN DRIVE	974	6
CECELIA DRIVE	1,340	5
CENTER DRIVE	3,706	12
CHATEAU DRIVE	987	4
CLEARWATER DRIVE	1,117	5
COCOA DRIVE	587	2
CONCORD DRIVE	2,736	10
CORAL GABLES DRIVE	2,570	10
COTTONWOOD LANE	289	1



DARTWORTH DRIVE	0	1
DAVID AVENUE	3,210	17
DAVID EASEMENT	213	1
DAWN HAVEN DRIVE	1,075	5
DAWN VISTA OVAL	749	3
DAY DRIVE	2,625	12
DAYTONA DRIVE	1,559	7
DEBBY DRIVE	708	4
DECKER DRIVE	351	1
DEER RUN TRAIL	200	1
DELL HAVEN DRIVE	1,498	9
DELL HAVEN EASEMENT	1,819	7
DENTZLER ROAD	1,918	11
DOGWOOD LANE	3,197	18
DOVER LANE	1,397	6
EAST BAGLEY ROAD	479	2
EAST LINDEN LANE	2,989	15
EAST MIAMI DRIVE	124	1
ELY VISTA DRIVE	2,659	11
ENGLEWOOD DRIVE	305	1
EVANS DRIVE	170	2
EVENTIDE DRIVE	783	2
FAIRLAWN DRIVE	295	1
FENWAY DRIVE	1,949	10
FERNHILL AVENUE	232	1
FLEGER DRIVE	1,171	6
FOREST HILLS BOULEVARD	601	4
FORT MYERS COURT	223	1
FOX HOLLOW DRIVE	629	2
FRIAR DRIVE	3,806	11
FRUITLAND DRIVE	1,532	6
GILBERT AVENUE	351	1
GLAMER DRIVE	2,568	10
GORDON DRIVE	1,975	12
GREEN ACRES DRIVE	2,708	15
GREEN ACRES EASEMENT	315	2
GREEN VALLEY DRIVE	2,023	11
GREENLEAF AVENUE	1,076	4
GROSS DRIVE	3,625	15
HACIENDA DRIVE	1,505	6
HARWOOD DRIVE	715	4
HETZEL DRIVE	4,020	16
HIALEAH DRIVE	1,357	5
HICKORY HILL LANE	204	1
HIGHLAND HILLS COURT	267	1
HIGHVIEW DRIVE	417	2
HILLCREST LANE	1,010	5
HILLTOP DRIVE	3,980	16
HOERTZ EASEMENT	400	2

HOERTZ ROAD	271	2
HOLLENBECK CIRCLE	290	1
HOLLENBECK EASEMENT	686	3
HOLLY CIRCLE	220	1
HOPEHAVEN DRIVE	1,200	8
HOWARD STREET	405	1
HUNTINGTON RESERVE DRIVE	1,206	7
IRONWOOD CIRCLE	376	1
JACQUELINE DRIVE	2,393	11
JACQUELINE EASEMENT	313	1
JAMESTOWN DRIVE	592	3
JANICE DRIVE	193	2
JEANNE DRIVE	3,654	13
JENNIFER DRIVE	391	3
JILL DRIVE	432	2
JOANN DRIVE	1,230	9
JOHNSON DRIVE	4,038	19
JOYCE DRIVE	178	3
JUDY DRIVE	1,430	8
KADER DRIVE	4,088	18
KEY WEST DRIVE	1,200	5
KING RICHARD DRIVE	1,942	8
KLUSNER AVENUE	4,178	16
KNOWLES DRIVE	700	2
KOCH DRIVE	852	4
LAKEVIEW DRIVE	1,701	12
LALEMANT DRIVE	1,631	9
LANGERFORD DRIVE	1,196	8
LASSITER DRIVE	1,970	11
LASSITER OVAL	780	2
LAURENT DRIVE	1,352	8
LIDO COURT	405	2
LIME LANE	1,069	9
LIST LANE	1,727	9
LOURDES DRIVE	305	1
LUELDA AVENUE	2,177	8
LYLE AVENUE	134	1
LYNETT DRIVE	1,299	7
MAGDALA DRIVE	1,914	12
MALIBU DRIVE	1,583	8
MAPLEWOOD ROAD	2,391	12
MARDA DRIVE	5,649	20
MARKO LANE	556	4
MARLBOROUGH AVENUE	2,822	10
MAYBERRY DRIVE	993	4
MEADOW LANE	5,211	26
MEADOWLAWN BOULEVARD	679	1
MIRABEAU DRIVE	928	5
MOONCREST DRIVE	560	2

MOORE DRIVE	1,096	4
MUNICH DRIVE	3,467	19
NASSAU DRIVE	1,253	10
NATHAN DRIVE	128	1
NEIL DRIVE	148	1
NELSON BOULEVARD	2,638	15
NELSON DRIVE	348	2
NEWCOMB DRIVE	2,180	7
NIGHT VISTA DRIVE	1,810	6
NOBB HILL DRIVE	987	4
NORMANDY DRIVE	1,676	9
NORTH AVENUE	4,331	17
NORTH MIAMI DRIVE	982	5
NORTH SARASOTA DRIVE	804	4
NOTTINGHAM DRIVE	1,212	4
OAKBROOK OVAL	378	2
OAKWOOD ROAD	2,161	10
OCALA DRIVE	1,421	7
ORCHARD PARK DRIVE	1,326	5
ORCHARDVIEW ROAD	556	2
ORLANDO DRIVE	1,022	4
PANAMA DRIVE	968	4
PARK DRIVE	3,853	13
PARKSIDE DRIVE	270	1
PARKSIDE EASEMENT	442	2
PARMA PARK BOULEVARD	2,654	6
PECAN DRIVE	192	2
PELHAM DRIVE	2,994	12
PIN OAK DRIVE	1,510	9
PINE CONE DRIVE	414	3
PINE FOREST DRIVE	715	2
PINE OVAL EASEMENT	585	2
PINE OVAL	575	4
PINEHURST DRIVE	1,484	7
PLEASANT HILL DRIVE	1,229	5
PLEASANT LAKE BOULEVARD	1,859	10
PLEASANT VALLEY ROAD	6,954	26
POMPANO COURT	224	1
QUEENS HIGHWAY	32	1
RALSTON DRIVE	1,299	8
RAVENSWOOD DRIVE	1,328	6
REGAL DRIVE	715	3
REGENCY DRIVE	4,996	23
REICHERT ROAD	2,306	11
RIDGE BUILDING	249	1
RIDGE EASEMENT	1,533	6
RIDGE ROAD	1,532	6
RIESTER STREET	322	1
ROBERT STREET	820	4

ROEPER ROAD	775	5
ROMILLY OVAL	372	2
RONALD DRIVE	3,298	14
ROUSSEAU DRIVE	2,389	15
ROYAL RIDGE DRIVE	2,206	9
ROYALVIEW DRIVE	2,665	14
RUNNING BROOK DRIVE	3,556	19
RUNNING BROOK EASEMENT	501	2
RUSTIC TRAIL	1,408	8
RUTH DRIVE	305	1
SAINT ANDREWS DRIVE	1,727	7
SAINT PETERSBURG DR	1,744	8
SANDY HOOK DRIVE	3,888	19
SANFORD DRIVE	875	5
SAPPHIRE COURT	749	3
SARASOTA DRIVE	2,040	7
SASSAFRAS DRIVE	1,756	10
SCARLET OAK LANE	462	2
SCHWAB DRIVE	4,205	20
SELWICK DRIVE	2,853	13
SEMRA CIRCLE	259	1
SEQUOIA DRIVE	2,442	9
SEQUOIA EASEMENT	286	1
SHERWOOD DRIVE	2,330	6
SIERRA OVAL	1,562	7
SKYLARK DRIVE	1,498	7
SNOW ROAD	298	2
SOUTH LAKE BOULEVARD	1,054	7
SOUTH TAMARACK DRIVE	985	5
STANFIELD DRIVE	3,898	13
STARY DRIVE	2,529	12
STORMES DRIVE	1,340	6
SUN VISTA DRIVE	858	3
SUNHAVEN OVAL	569	2
SUNRISE OVAL	881	5
TALBOT DRIVE	791	3
TAMARACK DRIVE	1,962	8
TAMIAMI DRIVE	1,225	5
TANGLEWOOD LANE	2,607	10
TERRACE COURT	781	5
THOREAU DRIVE	3,673	17
TRACY TRAIL	2,799	14
TREVOR LANE	1,416	7
TROY OVAL	495	3
TUXEDO AVENUE	170	1
VALLEY LANE	323	2
VALLEY VILLAS DRIVE	2,011	9
VELMA AVENUE	3,621	8
VIENNA DRIVE	4,827	19



VILLE COURT	182	1
VISTA DRIVE	314	1
VISTA LANE	347	2
W PLEASANT VALLEY ROAD	12,307	45
WAKE ROBIN DRIVE	1,849	8
WARD ROAD	1,285	2
WENDY DRIVE	650	3
WEST 130 STREET	417	2
WEST 54 STREET	364	1
WEST 9 STREET	919	3
WEST 9 STREET	277	2
WEST LIST LANE	461	2
WEST PARKVIEW DRIVE	158	2
WEST PLEASANT VALLEY ROAD	200	1
WEST RIDGEWOOD DRIVE	6,351	21
WEST SPRAGUE ROAD	4,922	18
WHITAKER DRIVE	1,007	4
WHITTINGTON DRIVE	793	3
WILLIAM CIRCLE	231	1
WILLISTON DRIVE	1,310	6
WINTERPARK DRIVE	1,478	8
WOOD THRUSH DRIVE	1,379	7
WOOD THRUSH EASEMENT	223	1
WOODBURY HILLS DRIVE	2,748	14
YORK ROAD	3,021	9
ZONA LANE	2,308	12

**CCTV SANITARY TOTAL:            403,045            1,797**

## **STORM**

Street Count: 44

<b>STREET</b>	<b>TV Footage</b>	<b># of segments</b>
AMBER LANE	199	1
BISCAYNE BOULEVARD	666	5
BRAINARD DRIVE	325	2
BRIAN DRIVE	30	1
BROADVIEW ROAD	203	1
BROWNFIELD DRIVE	1,457	6
DAVID AVENUE	1,746	8
DENTZLER ROAD	1,108	2
EVANS DRIVE	170	2
FAIRLAWN DRIVE	295	1
FOREST HILLS BOULEVARD	20	1
GILBERT AVENUE	1,034	2
GREEN ACRES DRIVE	1,313	7
GROSS DRIVE	4,765	19
KEYSTONE DRIVE	365	1
KLUSNER AVENUE	1,806	7
LOURDES DRIVE	305	1
LUELDA AVENUE	2,098	7

LYNETT DRIVE	65	1
MAGDALA DRIVE	1,173	7
MARDA DRIVE	3,823	14
MARLBOROUGH AVENUE	1,425	4
MEADOW LANE	576	3
NELSON BOULEVARD	737	6
NORTH AVENUE	4,443	16
PARMENTER DRIVE	52	1
PELHAM DRIVE	4,266	18
PLEASANT VIEW DRIVE	335	1
REICHERT ROAD	2,107	13
RIDGE ROAD	1,526	8
ROBERT STREET	350	2
ROYAL RIDGE DRIVE	193	2
RUNNING BROOK DRIVE	450	13
RUSTIC TRAIL	597	1
SAGAMORE ROAD	255	1
SCHWAB DRIVE	4,205	20
SUNRISE OVAL	188	1
THORNCLIFFE BOULEVARD	350	2
W PLEASANT VALLEY ROAD	738	7
WARD ROAD	170	2
WEST PARKVIEW DRIVE	158	2
WEST PLEASANT VALLEY ROAD	415	3
WEST RIDGEWOOD DRIVE	0	1
YORK ROAD	365	2

**CCTV STORM TOTAL: 46,867 225**

**CCTV SANITARY & STORM GRAND TOTAL: 449,912 2,022**

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## Plan Approvals\*



### Section A-3

\*No service provided if section is blank

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## Parma Plan Approvals

Project ID	Project Name	Approval Date
18-049	Firefighters Credit Union	14-Jan-2019
18-037	Cox Communication IMP	18-Apr-2019
19-017	Aldi's	14-Aug-2019



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# Service Program Summary\*



## Section A-4

\*No service provided if section is blank

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## City of Parma

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

## 2019 Service Program

<u>Program</u>	<u>2019 Activity</u>
1) High Pressure Jet Cleaning Sanitary - 387,818 Feet Storm - 38,569 Feet	426,387 Feet
2) House Service	2,422 Calls
3) Television Inspection Sanitary - 403,045 Feet Storm - 46,867 Feet	449,912 Feet
4) Construction Activities	807 Job(s)
5) Dye Testing	15 Test(s)
6) Construction Permits Issued (Commercial) (Residential)	12 87
7) Plan Approvals	3 Plan(s)
8) Construction Inspection a) Main Lines Inspected b) Public R.O.W. Service Laterals c) Commercial/Residential Service Laterals	3,994 Feet 685 Feet 6,846 Feet
9) Catch Basins Cleaned	27

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# Community Operating Expenses\*



## Section A-5

\*No service provided if section is blank

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City of Parma  
2019 Operating Expenses

<u>Activity</u>	<u>Cost</u>
1. Maintenance of Sanitary Sewerage Systems	\$ 3,585,759
2. Pump Station Operation and Maintenance	\$ 51,706
3. Waste Water Treatment Plant Maintenance	\$ 0
4. Engineering and/or Inspection	\$ 299,196
5. Capital Expenses (See Section A-6 if any)	\$ 2,245,835
 <b>Total Operating Expenses:</b>	 <b>\$ 6,182,496</b>



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# Community Capital Expenses\*



## Section A-6

\*No service provided if section is blank

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**City of Parma**

**2019 Capital Expenses**

Broadrock Drill Drop	\$ 198,605
Brian Drive Repair	\$ 104,514
Broadview Drill Drop Debt Service	\$ 15,037
Fernhill Avenue Debt Service	\$ 98,249
Gilbert Avenue Repair	\$ 16,246
Luelda Avenue Repair	\$ 12,418
Magdala Drive Repair	\$ 187,495
Marlborough Drive Repair	\$ 21,218
Meadow Lane Repair	\$ 89,534
North Avenue Repair	\$ 28,744
Pelham Drive Repair	\$ 150,895
Powers Boulevard Repair	\$ 28,719
Powers Boulevard Lining	\$ 33,264
Reichert Road Repair	\$ 12,034
Ridge Road Water Main Reimbursement	\$ 837,045
Schwab Drive Repair	\$ 76,081
Sewer Repair Debt Service	\$ 82,105
Sleepy Hollow Drive Repair	\$ 37,875
State Road Repair	\$ 16,961
Velma/Luelda Avenue Repair	\$ 169,066
West 9 <sup>th</sup> Street Repair	\$ 29,730
<b>Total Capital Expenses:</b>	<b>\$ 2,245,835</b>



## CONTACT INFORMATION

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

Email: [Publicworks@cuyahogacounty.us](mailto:Publicworks@cuyahogacounty.us)

Website: [Publicworks.cuyahogacounty.us](http://Publicworks.cuyahogacounty.us)

<b>Michael W. Dever, M.P.A.</b>	Director of Public Works
<b>David E. Marquard, P.E., P.S.</b>	Design & Construction Administrator
<b>Nichole L. English, P.E.</b>	Interim Finance & Operations Administrator
<b>Brian Stapleton</b>	Deputy Chief of Maintenance
<b>Bryan J. Hitch</b>	Sewer Maintenance Superintendent
<b>Hugh Blocksidge, P.E.</b>	Chief Engineer Sewer Operations

**Department of Public Works Administrative Headquarters**  
**2079 East Ninth Street- 5<sup>th</sup> Floor**  
**Cleveland, Ohio 44115**

Dispatch Office	(216) 443-8201
Dispatch Email	<a href="mailto:PWDispatch@cuyahogacounty.us">PWDispatch@cuyahogacounty.us</a>
Administration	(216) 348-3867
Inspection & Permits	(216) 443-8209
Sewer Maintenance	<b>Gary Green, Senior Supervisor</b> (216) 443-8225
Sewer Maintenance	<b>John Gribble, Senior Supervisor</b> (216) 443-8227
Lateral Services	<b>Suzanne Britt, Supervisor</b> (216) 443-3553
Construction (EAST)	<b>Dave Novak, Supervisor</b> (216) 348-4238
Construction (WEST)	<b>Pat Mauk, Supervisor</b> (216) 348-3849
Sewer Jetting	<b>Tom Noy, Supervisor</b> (216) 348-3901
Televised Inspection	<b>Todd Swindell, Supervisor</b> (216) 443-8224
Pump Station Operations	<b>Don Cox, Supervisor</b> (216) 698-8482
Sewer Maintenance	<b>Brandon Skufca, Supervisor</b> (216) 443-8226
Sewer Maintenance	<b>Mitch Holt, Supervisor</b> (216) 443-8229

# Cuyahoga County

## Department of Public Works

2079 East Ninth Street | Cleveland, OH 44115 | 216.348.3800



Cuyahoga County  
**Together We Thrive**