



Cuyahoga County
Together We Thrive

2018 Annual Report

Prepared for the: **City of Parma**



By the: **Department of Public Works**





March 18, 2019

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 2018 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. We continue to maintain a second maintenance shift to reduce overtime, which also allows us to work more efficiently in areas where normal workday traffic would be problematic.

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 the annual reports, which are also available on our website at:
<http://publicworks.cuyahogacounty.us/en-US/Sewer-Maintenance-Services.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, P.E., Engineer

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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 1,200 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 304 miles of sewers in 2018;
- Point repairs of sewers, force mains, and structures; 3,443 construction visits;
- Cleaning of service laterals, including emergency maintenance and 24-hour on-call team for resident issues;
- TV inspection of approximately 259 miles of sewers to provide condition ratings, failures and/or deficiencies;
- I/I investigation and remediation, 485 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 NEORSD's "Best Management Practices" guidelines.

■ HOUSE LATERAL SERVICES

The Maintenance Services House Lateral Service Department cleaned 8,847 house connections in 2018. 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 NEORSD 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 2018, 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."*



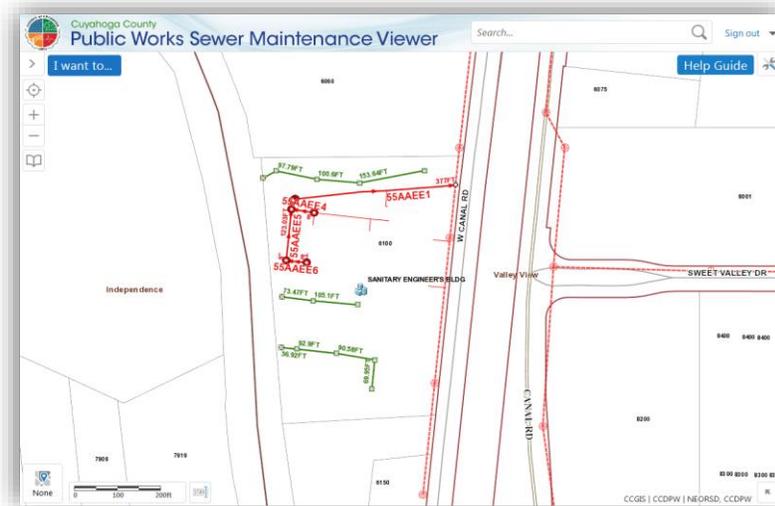
SUMMARY OF ADMINISTRATIVE SERVICES

■ PERMITS

In the 38 communities, pursuant to the sewer maintenance agreements, Administrative Services major functions include issuance of Sewer Connection Permits and the registration of licensed and bonded contractors. These contractors are then able to obtain connection permits and install sanitary sewers within the member communities. The Sanitary Division also maintains permanent records of sewer construction projects and provides information to all County departments, municipalities, engineering firms, contractors, and the public.

■ 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.

SANITARY FLEET FACTS

THE POWER OF REGIONALISM

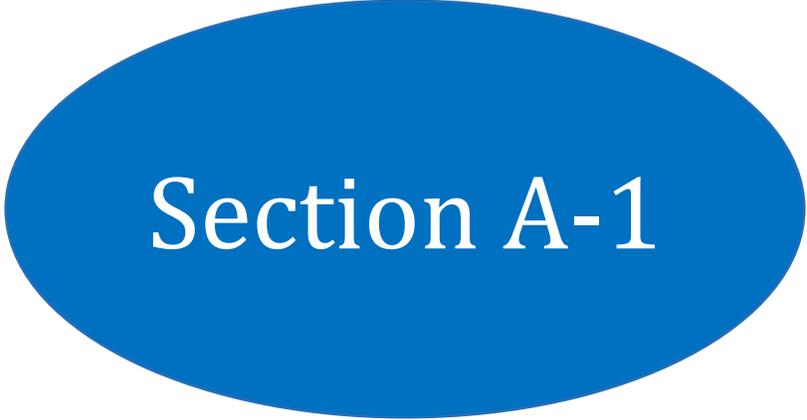


Current vehicles & equipment	Quantity
House Trucks	12
Specialized Plate Truck & specialized vehicles for catch basin repair	5
Combination Jet-Vac & Straight Jet Trucks	12
TV Camera Trucks	7
Backhoes, Mini Excavators & Rubber Wheel Loader	10
Class 5 Dump Trucks	3
Construction trucks	7
1 ton trucks for pump station service	5
43,000 to 53,000 GVWR single-axle dump trucks	3
58,000 to 60,000 GVRW tandem axle dump trucks	8
Class 550 with crane for pump station service	2
20-25 ton trailers	10
Small Trailers	12





Community Streets Cleaned*



Section A-1

*No service provided if section is blank

Collection System Jet Cleaning

Parma

SANITARY

STREET

Street Count: 85

	# of segments	Jet Ft
ACKLEY ROAD	2	687
ANN ARBOR DRIVE	4	1,195
BERESFORD AVENUE	8	1,592
BOUNDARY LANE	1	287
BRADLEY AVENUE	21	4,851
BRAINARD DRIVE	1	220
BRIAN DRIVE	4	450
BROADVALE DRIVE	5	1,000
BROADVIEW ROAD	31	9,479
BROWNFIELD DRIVE	3	820
CHARLES AVENUE	1	307
CHESTNUT HILLS DRIVE	3	764
CORPORATE DRIVE	3	1,173
DARTMOUTH DRIVE	1	326
DARTWORTH DRIVE	2	562
DEBBY DRIVE	9	1,617
DRESDEN AVENUE	4	1,319
EAST LINDEN LANE	3	701
EDGEHILL DRIVE	1	320
ENGLEWOOD DRIVE	6	1,462
EVERGREEN DRIVE	8	1,953
FAIRLAWN DRIVE	1	300
FERNHILL AVENUE	16	4,400
FOREST AVENUE	1	300
GILBERT AVENUE	4	1,038
GLENN OVAL DRIVE	4	1,082
GREEN ACRES DRIVE	5	749
GREEN VALLEY DRIVE	4	892
HAUSERMAN ROAD	7	1,377
HEARTHSTONE ROAD	7	1,097
KRUEGER AVENUE	3	385
LANYARD DRIVE	3	954
LAVERNE AVENUE	16	3,215
LINCOLNSHIRE DRIVE	1	34
LORIMER ROAD	2	512
LOYOLA DRIVE	1	550
MANORFORD DRIVE	5	1,372
MAPLECREST AVENUE	1	300

Collection System Jet Cleaning

Parma

SANITARY

<u>STREET</u>	<u># of segments</u>	<u>Jet Ft</u>
MARDA DRIVE	1	30
MARIETTA AVENUE	1	360
MARKO LANE	3	471
NELSON BOULEVARD	2	342
ONAWAY OVAL	1	81
PARKLAND DRIVE	1	344
PARKLANE DRIVE	13	3,950
PARKVIEW EASEMENT	4	984
PEARL ROAD	3	648
PLEASANT VALLEY ROAD	5	419
POWERS BOULEVARD	1	268
RICHARD DRIVE	3	792
RIDGE ROAD	14	2,260
RIDGEFIELD ROAD	7	1,825
RIDGEWOOD AVENUE	1	340
ROYALVIEW DRIVE	1	96
RUSSELL AVENUE	1	261
SLEEPY HOLLOW DRIVE	1	158
SNOW ROAD	9	2,091
SOUTH PARK BOULEVARD	1	15
SOUTH PARK EASEMENT	1	120
STATE ROAD	2	630
STAUNTON DRIVE	5	842
TAMIAMI DRIVE	1	162
THEOTA AVENUE	3	866
VELMA AVENUE	8	1,596
WAREHAM ROAD	2	490
WEST 130 STREET	7	2,263
WEST 24 STREET	2	676
WEST 33 STREET	15	4,633
WEST 46 STREET	4	1,254
WEST 48 STREET	3	945
WEST 49 STREET	3	944
WEST 50 STREET	1	273
WEST 54 STREET	4	1,001
WEST 83 STREET	1	289
WEST 94 STREET	1	306
WEST MORELAND ROAD	11	2,699

Collection System Jet Cleaning

Parma

SANITARY

STREET	# of segments	Jet Ft
WEST PLEASANT VALLEY ROAD	36	7,898
W RIDGEWOOD DRIVE	22	6,350
WILBER AVENUE	3	795
WINCHESTER DRIVE	1	98
WINDHAM ROAD	1	155
WINTHROP DRIVE	1	304
WOOSTER PARKWAY	4	1,126
ZONA LANE	2	309
SANITARY TOTAL:	419	102,401

STORM

STREET	# of segments	Jet Ft
BERESFORD AVENUE	10	2,379
BRADLEY AVENUE	5	1,501
BROADVALE DRIVE	1	175
BROADVIEW ROAD	1	130
BROWNFIELD DRIVE	3	820
CORAL GABLES DRIVE	1	50
CORPORATE DRIVE	5	1,380
DAWNWOOD DRIVE	2	644
DEBBY DRIVE	3	762
DRESDEN AVENUE	5	1,619
EDGEHILL DRIVE	2	486
ENGLEWOOD DRIVE	1	195
FAIRLAWN DRIVE	1	300
FERNHILL DRIVE	14	3,733
GILBERT AVENUE	5	1,821
GLENN OVAL DRIVE	4	1,082
GREEN ACRES DRIVE	1	300
GREEN VALLEY DRIVE	4	892
GROVEWOOD AVENUE	2	583
HEARTHSTONE ROAD	11	2,515
KADER DRIVE	2	300
KRUEGER AVENUE	4	504
LANYARD DRIVE	3	1,021
LAVERNE AVENUE	15	3,030
LYNETT DRIVE	2	505

Street Count: 51

Collection System Jet Cleaning

Parma

STORM

<u>STREET</u>	<u># of segments</u>	<u>Jet Ft</u>
MANORFORD DRIVE	8	2,769
OLD ROCKSIDE ROAD	1	100
ONAWAY OVAL	1	65
PARKLAND DRIVE	1	97
PARKLANE DRIVE	8	3,475
QUEENS HIGHWAY	3	656
REGENCY DRIVE	2	1,162
RENWOOD DRIVE	1	70
RICHARD DRIVE	2	520
RIDGE ROAD	6	1,318
ROANOKE DRIVE	1	280
SNOW ROAD	1	300
SOUTH PARK BOULEVARD	4	852
STATE ROAD	1	646
THORNCLIFFE BOULEVARD	2	430
TUXEDO AVENUE	1	284
VELMA AVENUE	3	980
WEST 130 STREET	1	2,172
WEST 46 STREET	5	1,893
WEST 48 STREET	3	946
WEST 50 STREET	3	1,681
WEST 50TH STREET	1	283
WEST MORELAND ROAD	1	1,391
WEST RIDGEWOOD DRIVE	21	3,289
WILBER AVENUE	3	920
WOOSTER PARKWAY	4	1,124
STORM TOTAL:	195	54,430
GRAND TOTAL:	614	156,831



Community Streets Inspected*



Section A-2

*No service provided if section is blank

Collection System TV Inspection

PARMA

SANITARY

STREET

	Street Count: 43	
	# of segments	TV FT
ANN ARBOR DRIVE	2	525
BERESFORD AVENUE	12	3,246
BRAINARD DRIVE	4	924
BROADVALE DRIVE	1	20
BROADVIEW ROAD	31	9,479
BROWNFIELD DRIVE	2	1,176
CORAL GABLES DRIVE	1	972
DAWNWOOD DRIVE	9	2,879
DEBBY DRIVE	2	781
DRESDEN AVENUE	11	7,778
ENGLEWOOD DRIVE	10	2,700
EVERGREEN DRIVE	2	511
GEORGE AVENUE	1	186
GILBERT AVENUE	1	261
GLENN OVAL DRIVE	4	1,108
HEARTHSTONE ROAD	1	259
HUNTINGTON RESERVE DRIVE	1	147
KRUEGER AVENUE	7	781
LANYARD DRIVE	2	432
LAVERNE AVENUE	2	403
LORIMER ROAD	4	798
MANORFORD DRIVE	10	2,756
MARIONCLIFF DRIVE	1	302
PARKLANE DRIVE	8	2,724
PEARL ROAD	4	480
PINEGROVE AVENUE	2	110
PLEASANT VALLEY ROAD	1	311
REDFERN ROAD	1	28
RIDGE ROAD	14	2,320
ROYALVIEW DRIVE	1	3
RUSSELL AVENUE	1	264
SNOW ROAD	2	391
STATE ROAD	1	1,062
STAUNTON DRIVE	5	856
WEST 130 STREET	1	1,399
WEST 24 STREET	2	659
WEST 46 STREET	4	1,267

Collection System TV Inspection

PARMA

SANITARY

STREET	# of segments	TV FT
WEST 48 STREET	6	1,696
WEST 49 STREET	3	597
WEST 54 STREET	2	612
WEST PLEASANT VALLEY ROAD	2	7,147
W RIDGEWOOD DRIVE	22	6,350
WINTHROP DRIVE	1	598
SANITARY TOTAL:	204	67,298

STORM

STREET	# of segments	TV FT
ANN ARBOR DRIVE	1	540
BERESFORD AVENUE	3	600
BRAINARD DRIVE	2	462
BROWNFIELD DRIVE	2	1,609
CORAL GABLES DRIVE	1	419
CORPORATE DRIVE	4	871
DAWNWOOD DRIVE	7	2,233
DOVER LANE	1	120
DRESDEN AVENUE	10	3,223
ENGLEWOOD DRIVE	10	2,700
GEORGE AVENUE	1	186
GILBERT AVENUE	2	227
GREEN VALLEY DRIVE	1	119
HUNTING RESERVE DRIVE	1	125
KRUEGER AVENUE	1	125
LANYARD DRIVE	2	432
LAVERNE AVENUE	3	929
LORIMER ROAD	4	798
MANORFORD DRIVE	10	2,756
MARIONCLIFF DRIVE	1	302
MOONCREST DRIVE	2	453
OLD ROCKSIDE ROAD	1	78
ORCHARD PARK DRIVE	1	134
PARKLANE DRIVE	11	3,737
PINEGROVE AVENUE	2	110
RIDGE ROAD	5	952

Street Count: 33

Collection System TV Inspection

PARMA

STORM

STREET	# of segments	TV FT
SNOW ROAD	1	590
STATE ROAD	1	646
STAUNTON DRIVE	2	1,441
WEST 130 STREET	1	1,426
WEST PLEASANT VALLEY ROAD	4	1,396
WEST RIDGEWOOD DRIVE	22	3,708
YORK ROAD	1	113
STORM TOTAL:	121	33,560
GRAND TOTAL:	325	100,858

Plan Approvals*



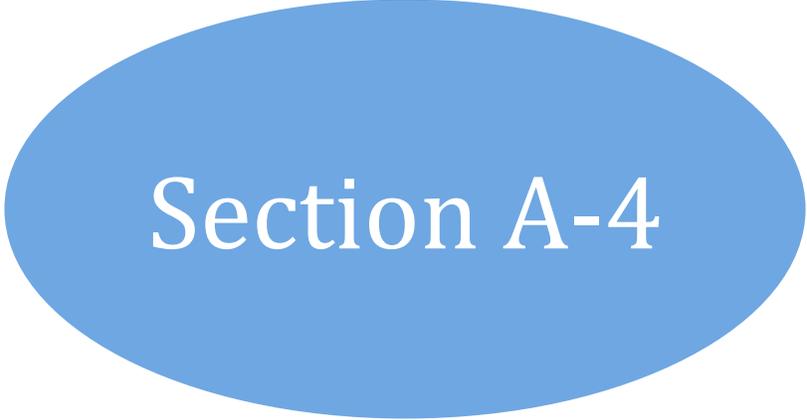
Section A-3

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Parma Plan Approvals

Project ID	Project Name	Approval Date
17-047	Tri-C Western Campus- Science & I.T. addition	9-Jan-2018
18-013	Herold Family Auto	17-Apr-2018
16-056	Mt. Alverna (Memory Care Bldg)	23-Apr-2018
17-029	McDonalds, 7507 Day Drive	16-May-2018
18-010	Parma Wellness Center Corporation	13-Jul-2018
15-042	Pitt-Ohio Supply Train	19-Jul-2018
16-056 (2)	Mt. Alverna (Life Enrichment Center)	17-Oct-2018
18-029	Precision Mechanical New Storage Bldg	26-Oct-2018
18-044	Mason Drive Subdivision	6-Dec-2018

Service Program Summary*



Section A-4

*No service provided if section is blank

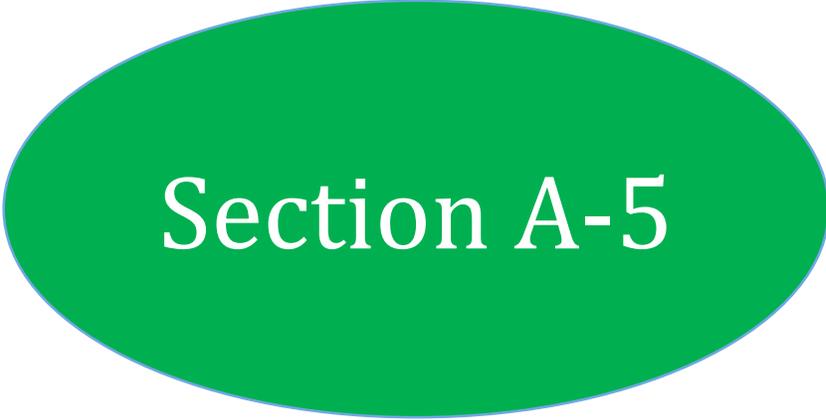
City of Parma

<u>Type</u>	<u>Community Total</u>
Sanitary Sewers	1,271,053 Feet
Manholes	5,442 (Approximately)

2018 Service Program

<u>Program</u>	<u>2018 Activity</u>
1) High Pressure Jet Cleaning Sanitary – 102,401 Feet Storm – 54,430 Feet	156,831 Feet
2) House Service	2,635 Calls
3) Television Inspection Sanitary – 67,298 Feet Storm – 33,560 Feet	100,858 Feet
4) Construction Activities	780 Job(s)
5) Dye Testing	58 Test(s)
6) Construction Permits Issued (Commercial) (Residential)	14 99
7) Plan Approvals	9 Plan(s)
8) Construction Inspection a) Main Lines Inspected b) Public R.O.W. Service Laterals c) Commercial/Residential Service Laterals	277 Feet 50 Feet 7,681 Feet
9) Catch Basins Cleaned	38

Community Operating Expenses*



Section A-5

*No service provided if section is blank

City of Parma
2018 Operating Expenses

<u>Activity</u>	<u>Cost</u>
1. Maintenance of Sanitary Sewerage Systems	\$2,808,288
2. Pump Station Operation and Maintenance	\$75,141
3. Waste Water Treatment Plant Maintenance	\$ 0
4. Engineering and/or Inspection	\$264,012
5. Capital Expenses (See Section A-6 if any)	\$2,052,196
 Total Operating Expenses:	 \$5,199,637

Community Capital Expenses*



Section A-6

*No service provided if section is blank

City of Parma

2018 Capital Expenses

Beresford Avenue Repair	\$ 24,920
Broadview Drill Drop Debt Service	\$ 24,863
Broadrock Drill Drop	\$ 1,622,637
Broadrock Drill Drop Loan Fee	\$ 753
Dawnwood Drive Repair	\$ 45,105
Englewood Drive Repair	\$ 14,203
Fernhill Avenue Debt Service	\$ 98,249
Lanyard Dr. & Chestnut Rd. Repair	\$ 30,369
Pearl Road Repair	\$ 27,269
Ridge Road Repair	\$ 19,383
Sewer Repair	\$ 81,975
State Road Repair	\$ 62,470

Total Capital Expenses: \$ 2,052,196

CONTACT INFORMATION

Cuyahoga County Department of Public Works
6100 West Canal Road
Valley View, OH 44125

Email: Publicworks@cuyahogacounty.us

Website: Publicworks.cuyahogacounty.us

Michael W. Dever, MPA.....	Director of Public Works
David E. Marquard, P.E.,P.S.....	Design & Construction Administrator
Michael W. Chambers, CPA.....	Finance & Operations Administrator
Brian Stapleton.....	Deputy Chief of Maintenance
Bryan J. Hitch.....	Sewer Maintenance Superintendent
Hugh Blocksidge P.E.....	Chief Engineer Sewer Operations



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.....	Suzanne Britt, Supervisor(216) 443-3553
Construction (EAST).....	Dave Novak, Supervisor(216) 348-4238
Construction (WEST).....	Brandon Skufca, Supervisor(216) 443-8226
Sewer Jetting.....	Tom Noy, Supervisor(216) 348-3901
Televised Inspection.....	Todd Swindell, Supervisor(216) 443-8224
Pump Station Operations.....	William Applegarth, Supervisor(216) 443-8295
Sewer Maintenance.....	Don Cox, Supervisor(216) 698-8482
Sewer Maintenance.....	Patrick Mauk, Supervisor(216) 348-3849
Sewer Maintenance.....	Lyle Plummer, Supervisor(216) 443-6174

Cuyahoga County

Department of Public Works

2079 East Ninth Street | Cleveland, OH 44115 | 216.348.3800



Cuyahoga County
Together We Thrive