



Cuyahoga County
Together We Thrive

2017 Annual Report

Prepared for the: **City of Parma**



By the: **Department of Public Works**





March 1, 2018

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 2017 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 have continued 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 to provide a high level of service in a cost-effective manner.

This 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, project review status, service program summary details, as well as community operating and capital expenses.

The County is transitioning to emailing the annual reports and will continue to do so going forward. For your convenience, this year we are also providing you with three (3) hard copies of the report but in the future hard copies will only be available by request. The report is 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.

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

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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, and now operates under County Executive Armond Budish.

The Division's focus is on the maintenance and repair of aging sewer lines, needs assessment, engineering feasibility studies, as well as other infrastructure-related issues, all of which 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 Division is a major source of technical information for mayors, municipal engineers, and service directors and provides them with guidance for making infrastructure decisions within their community. The Division has considerable experience in the maintenance, repair, and rehabilitation of sanitary and storm sewer lines, as well as significant expertise with respect to the operation and maintenance of pump stations.

The Sanitary Engineering Division of Public Works currently operates in 38 communities by agreement. Pursuant to such agreements, it maintains more than 1,200 miles of sanitary sewers and 800 miles of storm sewers, operates 56 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, and various communities the Division works to maintain water quality through the identification and investigation of illicit discharges as well as the construction of new sanitary sewers.

All funds used for maintenance and repair of the sewers and other sewage facilities are generated through fees and assessments. The Division does not receive a subsidy from the County's general fund to perform such maintenance activities.

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





GOALS

The Sanitary Division of the Department 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 the design and construction through the “*Uniform Standards for Sewerage Improvements*” and the “*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 Department of Public Works with respect to the maintenance and repair of sewers are attained through the activities of our three main groups working together: Maintenance Services; Engineering & Construction Services; and, Administrative Services.

MAINTENANCE SERVICES

- Reduce 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;
- Increase maintenance efficiency to reduce operating costs and provide more available funds for capital improvement projects and repairs;
- Operate wastewater treatment plants in compliance of National Pollution Discharge Elimination System (NPDES) permit parameters;
- Maintain and inspect the existing collection system to achieve EPA CMOM maintenance goals;
- Operate and maintain pumping stations;
- Illicit Discharge Detection and Elimination Services





ENGINEERING AND CONSTRUCTION SERVICES

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



ADMINISTRATIVE SERVICES

- Issuance of connection permits;
- Issuance of sewer builders' licenses;
- Maintenance of Record Drawings;
- Geographical Information Systems (GIS) for development and implementation;
- Fiscal oversight of annual operating budget and capital improvement budget;
- Grant and loan administration; 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 244 miles of sewers in 2017;
- Point repairs of sewers, force mains, and structures; 3,881 construction visits
- Cleaning of service laterals, including emergency maintenance and 24-hour on-call team for resident issues;
- Televising of lines to provide condition ratings and to identify possible failures or deficiencies, approximately 212 miles of sewers;
- Inflow and Infiltration, 804 visits;
- Licensed operators to monitor the condition of the treatment plants and pumping stations, as well as implement upgrades and preventative maintenance.





The Maintenance Services section provides a full-service program to clean, provide NASSCO PACP condition ratings, maintain structural integrity, 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 which is well within the NEORSD's "Best Management Practices" guidelines.

▪ HOUSE LATERAL SERVICES

The Division cleaned 9,694 house connections in 2017. 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 performs flow monitoring for Inflow and Infiltration (I&I) analysis and performs smoke testing, dye 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 56 pumping stations throughout the 38 communities pursuant to maintenance agreements. A Supervisory Control and Data Acquisition (SCADA) system monitors the stations. The system provides alarms and operational status through a central computer that is accessed from a remote computer providing 24-hour monitoring. New pump stations are added to the SCADA 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 the 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.

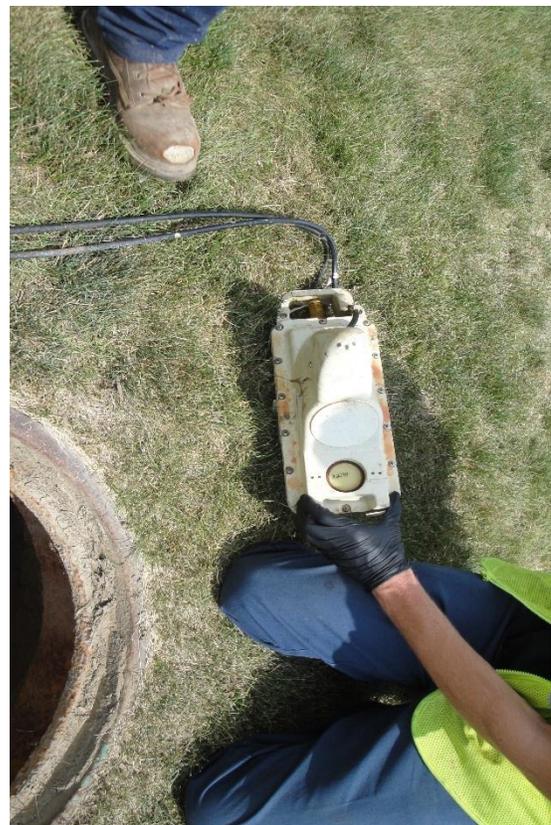


■ **CAPACITY, MANAGEMENT, OPERATION, AND MAINTENANCE PROGRAM (CMOM)**

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 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 NEORSR through their community discharge program and the Ohio EPA to ensure that our department’s best practices meet the CMOM goals.





SUMMARY OF ENGINEERING & CONSTRUCTION SERVICES

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

A sewer repair and rehabilitation program is managed by in-house personnel supplemented with two third-party contractors. Under the existing sewer maintenance agreements, the communities issue Task Orders to the County for repair and rehabilitation based on video inspection information and requests from the communities. A specific Engineer is assigned to each community to provide an individual contact for collection system related issues.

In 2017, design plans were reviewed for nearly 50 construction projects on behalf of member communities. Engineering also coordinates and analyzes the results of field testing and flow monitoring to detect and eliminate storm water inflow/infiltration from the sanitary sewer system and illicit discharges to the storm sewer system. Record drawings are prepared, then scanned and filed for record keeping. Information on the new sewers and service connections are provided to our IT personnel for incorporation in the County's Geographical Information System (GIS).

Engineering and construction also oversee capital construction projects and develop 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 for all new sanitary sewers and service laterals connecting to existing sewers. The Inspectors ensure that projects are constructed in conformance to design plans, specifications and the *"Uniform Standards."*



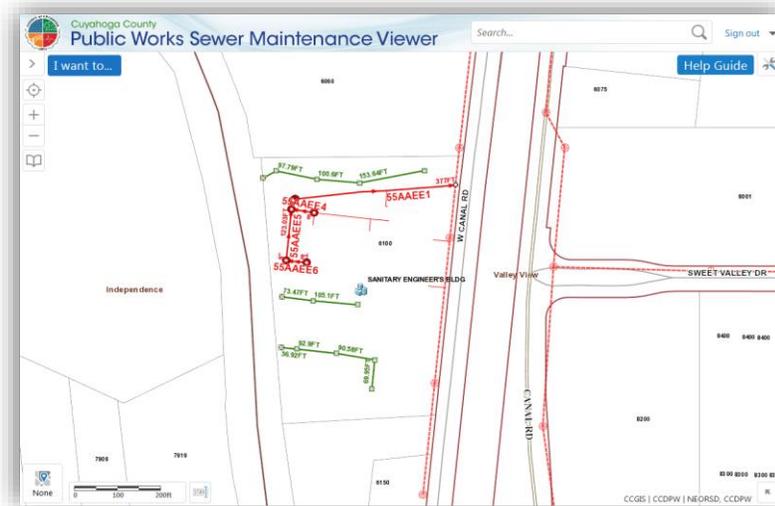
SUMMARY OF ADMINISTRATIVE SERVICES

■ PERMITS

This department operates in 38 communities pursuant to sewer maintenance agreements. Its major functions include issuance of sewer connection permits and the registration of licensed and bonded contractors able to obtain connection permits and install sanitary sewers within the member communities. The Department also maintains the permanent records for sewer construction projects and provide information to all county departments, engineering consulting firms, contractors, and the public.

■ INFORMATION TECHNOLOGY

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



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

Finance provides support services to various units within the Department of Public Works. 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. Public Works oversees an annual storm and sanitary sewer operating budget of more than \$18 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

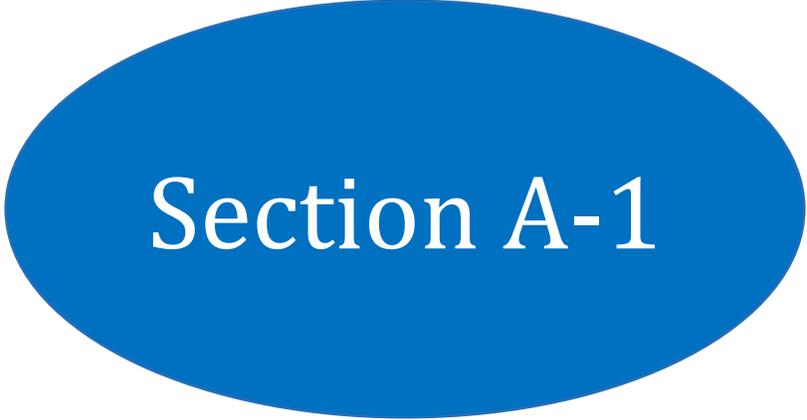


Current vehicles & equipment	Quantity
House Trucks	12
Specialized Plate Truck & specialized vehicles for catch basin repair	5
Combination Jet-Vac & Straight Jet Trucks	12
TV Camera Trucks	7
Backhoes, Mini Excavators & Rubber Wheel Loader	10
Class 5 Dump Trucks	3
Construction trucks	7
1 ton trucks for 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

<u>STREET</u>	Street Count: 78	# of segments	Jet Footage
AARON DRIVE		1	131
ACKLEY ROAD		3	844
ALLANWOOD ROAD		1	200
AMES ROAD		3	800
BANNER LANE		1	262
BAUERDALE AVENUE		14	3,232
BERESFORD AVENUE		6	1,237
BISCAYNE BOULEVARD		9	1,862
BRADLEY AVENUE		1	258
BRAINARD DRIVE		10	2,623
BROADVIEW ROAD		1	489
BROOKPARK ROAD		6	1,570
BROWNFIELD DRIVE		1	300
BURDEN DRIVE		7	1,030
CARLTON ROAD		4	1,107
CHARLES AVENUE		5	1,418
CHATEAU DRIVE		4	1,104
COMMONWEALTH DRIVE		7	2,120
CONCORD DRIVE		9	2,418
DARTWORTH DRIVE		1	272
DEBORAH DRIVE		1	370
DENTZLER ROAD		1	35
EAST BAGLEY ROAD		2	470
EAST LINDEN LANE		2	441
ELIZABETH AVENUE		1	146
ENDERBY DRIVE		1	350
EVENTIDE DRIVE		2	776
FENWAY DRIVE		5	1,017
FORESTWOOD DRIVE		1	260
FORTUNE AVENUE		1	268
FRUITLAND DRIVE		5	1,332
GEORGE AVENUE		4	1,244
GILBERT AVENUE		2	533
GREEN VALLEY DRIVE		3	564
GREENLAWN AVENUE		5	860
GREENLEAF AVENUE		5	1,316
GROVEWOOD AVENUE		15	4,177
HAMPSTEAD AVENUE		9	2,627
HARWOOD DRIVE		4	720

Collection System Jet Cleaning

PARMA

SANITARY

STREET	# of segments	Jet Footage
HAUSERMAN ROAD	3	717
HILLTOP DRIVE	7	1,560
HOLBURN ROAD	3	447
KING RICHARD DRIVE	1	291
LIGGET DRIVE	8	2,597
LYNETT DRIVE	1	276
MANASSAS OVAL	1	211
MAPLECREST AVENUE	1	25
MARLBOROUGH AVENUE	1	175
MERKLE AVENUE	1	354
NORTH AVENUE	2	496
NORTH MIAMI DRIVE	1	238
ORCHARD PARK DRIVE	1	196
OVERLOOK ROAD	2	403
PARKLAND DRIVE	3	853
PARKVIEW AVENUE	8	1,609
PARKVIEW EASEMENT	5	1,246
PLEASANT LAKE BOULEVARD	1	209
RIDGE ROAD	1	255
RIDGEFIELD ROAD	1	100
RUSSELL AVENUE	9	3,181
SHILOH CIRCLE	3	425
SPRAGUE ROAD	9	2,710
STATE ROAD	21	5,935
STRATFORD DRIVE	2	524
THORNCLIFFE BOULEVARD	1	176
THORNTON DRIVE	3	755
TUXEDO AVENUE	4	1,169
VICKSBURG DRIVE	3	512
VIRGINIA AVENUE	1	352
WAREHAM ROAD	8	1,930
WELLINGTON AVENUE	13	3,871
WEST 130 STREET	1	379
WEST 24 STREET	1	237
WEST 48 STREET	1	293
WEST MORELAND ROAD	4	564
WEST PLEASANT VALLEY ROAD	1	181
WESTMINSTER DRIVE	34	8,866

Collection System Jet Cleaning

PARMA

STREET	# of segments	Jet Footage
WINDHAM ROAD	14	3,446
SANITARY TOTAL:	348	88,547

STORM

STREET	# of segments	Jet Ft
Street Count: 50		
AARON DRIVE	4	920
BARTON HILL DRIVE	1	300
BAUERDALE AVENUE	13	3,172
BERESFORD AVENUE	5	1,108
BISCAYNE BOULEVARD	8	1,587
BRAINARD DRIVE	8	2,047
BROOKPARK ROAD	2	500
BURDEN DRIVE	5	856
CARLTON DRIVE	2	557
CHATEAU DRIVE	4	949
CHEVROLET BOULEVARD	3	347
COMMONWEALTH DRIVE	8	2,420
CONCORD DRIVE	2	550
CORPORATE DRIVE	3	980
DEBBY DRIVE	2	363
DOVER LANE	1	190
EAST LINDEN LANE	2	211
ENDERBY DRIVE	2	700
EVENTIDE DRIVE	3	1,096
FENWAY DRIVE	4	1,033
FRUITLAND DRIVE	6	1,523
GEORGE AVENUE	4	786
GREEN ACRES DRIVE	1	350
GREEN VALLEY DRIVE	1	326
GREENLAWN AVENUE	2	355
GREENLEAF AVENUE	7	2,027
GROVEWOOD AVENUE	14	3,817
HAMPSTEAD AVENUE	9	2,849
HILLTOP DRIVE	3	902
HOERTZ ROAD	5	1,345
HOLBURN ROAD	2	274
LIGGET DRIVE	4	1,175
NORTH AVENUE	2	578
PINEHURST DRIVE	4	748
REGENCY DRIVE	3	353

Collection System Jet Cleaning

PARMA

STORM

STREET

	# of segments	Jet Ft
RIDGE ROAD	3	315
RUSSELL AVENUE	1	380
SHILOH CIRCLE	1	250
SPRAGUE ROAD	4	636
STATE ROAD	7	1571
STRATFORD DRIVE	2	524
THORNTON DRIVE	2	608
TREVOR LANE	1	219
TUXEDO AVENUE	5	1492
WALTER AVENUE	1	40
WAREHAM ROAD	8	1974
WELLINGTON AVENUE	10	3321
WEST RIDGEWOOD DRIVE	2	152
WESTMINSTER DRIVE	4	1227
WINDHAM ROAD	1	155

STORM TOTAL: 201 50,158

GRAND TOTAL: 549 138,705



Community Streets Inspected*



Section A-2

*No service provided if section is blank

Collection System TV Inspection

PARMA

SANITARY

STREET	# of segments	TV FT
ABRAHAM AVENUE	2	482
ACKLEY ROAD	3	844
AMES ROAD	3	690
ANN ARBOR DRIVE	2	387
BANNER LANE	1	262
BAUERDALE AVENUE	7	1,568
BERESFORD AVENUE	6	1,223
BISCAYNE BOULEVARD	11	1,976
BRAINARD DRIVE	5	1,287
BROOKDALE AVENUE	1	309
BROOKPARK ROAD	3	520
BROWNFIELD DRIVE	1	104
BURDEN DRIVE	10	1,423
CARLTON ROAD	2	564
CHATEAU DRIVE	7	1,763
COMMONWEALTH DRIVE	8	2,419
CORAL GABLES DRIVE	1	266
DEBBY DRIVE	2	289
DEERFIELD DRIVE	2	308
EAST LINDEN LANE	2	406
EVENTIDE DRIVE	2	779
FENWAY DRIVE	5	1,014
FRUITLAND DRIVE	6	1,433
GEORGE AVENUE	4	1,293
GILBERT AVENUE	1	257
GREENVALLEY DRIVE	8	1,199
GREENLAWN AVENUE	4	818
GREENLEAF AVENUE	6	1,497
GROVEWOOD AVENUE	20	5,439
HAMPSTEAD AVENUE	10	2,901
HAUSERMAN ROAD	3	1,158
HILLSDALE AVENUE	1	253
HILLTOP DRIVE	6	1,226
HOLBURN ROAD	2	164
LIGGETT DRIVE	9	2,625
LORIMER ROAD	2	319
MANASSAS OVAL	1	226
PEARL ROAD	2	671
PINEHURST DRIVE	3	614

Collection System TV Inspection

PARMA

STREET	# of segments	TV FT
POWERS BOULEVARD	7	1,088
RIDGE ROAD	3	93
RUSSELL AVENUE	10	2,881
SHARON DRIVE	1	172
SHENANDOAH OVAL	1	214
SHILOH CIRCLE	3	604
SLEEPY HOLLOW DRIVE	1	177
SNOW ROAD	1	190
SPRAGUE ROAD	9	2,710
STATE ROAD	7	1,748
STRATFORD DRIVE	2	709
THORNTON DRIVE	1	290
TUXEDO AVENUE	6	1,213
VICKSBURG DRIVE	4	865
WAREHAM ROAD	8	1,998
WELLINGTON AVENUE	13	3,512
WEST 130 STREET	1	206
WEST SPRAGUE ROAD	1	251
WESTMINSTER DRIVE	30	7,746
WINDHAM ROAD	6	1,475
YORK ROAD	1	158
SANITARY TOTAL:	290	69,276

STORM

STREET	# of segments	TV FT
ABRAHAM AVENUE	2	485
AMES ROAD	1	365
ANN ARBOR DRIVE	1	17
BANNER LANE	3	287
BARTON HILL DRIVE	3	765
BAUERDALE AVENUE	6	1,246
BERESFORD AVENUE	7	1,253
BISCAYNE BOULEVARD	8	1,656
BRAINARD ROAD	5	1,283
BRIAN DRIVE	1	146
BROOKDALE AVENUE	3	64
BROOKPARK ROAD	5	1,477
BRUENING DRIVE	2	237
BURDEN DRIVE	3	336

Street Count: 61

Collection System TV Inspection

PARMA

STREET	# of segments	TV FT
CARLTON ROAD	2	544
CHATEAU DRIVE	2	430
CHEVROLET BOULEVARD	5	635
COMMONWEALTH DRIVE	9	2,462
CORAL GABLES DRIVE	3	414
DAY DRIVE	9	1,589
DEBBY DRIVE	3	375
EVENTIDE DRIVE	3	830
FENWAY DRIVE	4	1,063
FRUITLAND DRIVE	6	1,509
GEORGE AVENUE	3	474
GILBERT AVENUE	1	260
GREENVALLEY DRIVE	11	2,744
GREENLAWN AVENUE	2	352
GREENLEAF AVENUE	5	1,383
GREENVALLEY DRIVE	1	166
GROVEWOOD AVENUE	8	1,692
HAMPSTEAD AVENUE	9	2,595
HILLSDALE AVENUE	1	247
HILLTOP DRIVE	5	1,193
HOERTZ ROAD	5	1,264
HOLBURN ROAD	2	258
INGLESIDE DRIVE	2	80
LASSITER DRIVE	1	157
LAVERNE AVENUE	2	540
LIGGETT DRIVE	9	2,130
LIST LANE	2	399
PARK DRIVE	1	50
PINEHURST DRIVE	4	670
POWERS BOULEVARD	1	25
REGENCY DRIVE	2	221
RIDGE ROAD	2	176
RUSSELL AVENUE	1	290
SHARON DRIVE	5	312
STATE ROAD	4	1,063
STATE ROAD EASEMENT	3	1,354
STRATFORD DRIVE	2	681
THORNTON DRIVE	3	815
TUXEDO AVENUE	5	1,330
WAREHAM ROAD	13	1,912
WELLINGTON AVENUE	11	3,638

Collection System TV Inspection

PARMA

STREET	# of segments	TV FT
WEST 130 STREET	2	602
WEST PLEASANT VALLEY ROAD	1	218
WEST RIDGEWOOD DRIVE	5	412
WESTMINSTER DRIVE	12	3,304
WINDHAM ROAD	7	1,629
YORK ROAD	3	508
	STORM TOTAL:	252
	GRAND TOTAL:	542
		123,888



Project Review Status*



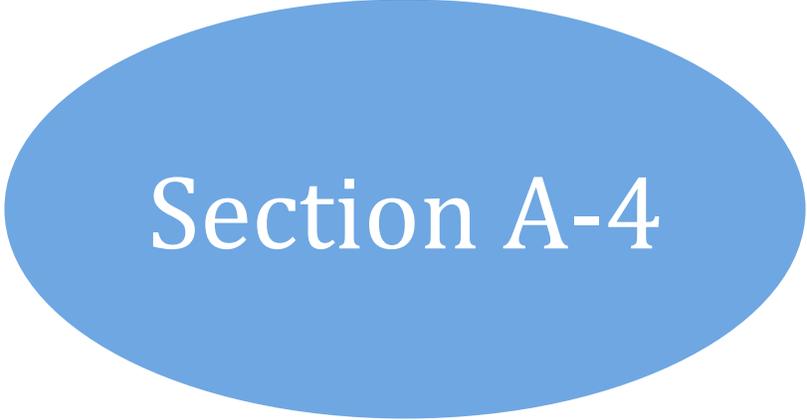
Section A-3

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Parma Project Review

Project ID	Project Name	Approval Date
17-005 (1)	Jo-Joe's Automotive	25-Jan-2017
17-002 (1)	Chopstick Parmatown	8-Feb-2017
17-025 (1)	CFT- White Box Shell Building	31-Jul-2017

Service Program Summary*



Section A-4

*No service provided if section is blank

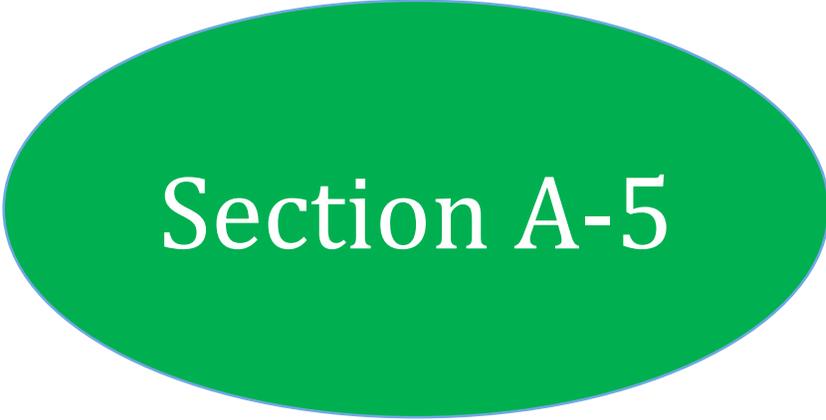
City of Parma

<u>Type</u>	<u>Community Total</u>
Sanitary Sewers	1,244,142 Feet
Manholes	5,381 (Approximately)

2017 Service Program

<u>Program</u>	<u>2017 Activity</u>
1) High Pressure Jet Cleaning Sanitary - 88,547 Feet Storm - 50,158 Feet	138,705 Feet
2) House Service	2,994 Calls
3) Television Inspection Sanitary - 69,276 Feet Storm - 54,612 Feet	123,888 Feet
4) Construction Activities	819 Job(s)
5) Smoke and Dye Testing	29 Test(s)
6) Construction Permits Issued (Commercial) (Residential)	4 84
7) Plan Review	3 Plan(s)
8) Construction Inspection a) Main Lines Inspected b) Service Laterals & Sewer Sites Inspected	1,193 Feet 12,864 Feet
9) Catch Basins Cleaned	491

Community Operating Expenses*



Section A-5

*No service provided if section is blank

City of Parma
2017 Operating Expenses

<u>Activity</u>	<u>Cost</u>
1. Maintenance of Sanitary Sewerage Systems	\$3,063,085
2. Pump Station Operation and Maintenance	\$95,694
3. Waste Water Treatment Plant Maintenance	\$ 0
4. Engineering and/or Inspection	\$299,619
5. Capital Expenses (See Section A-6 if any)	\$602,256
 Total Operating Expenses:	 \$4,060,654

Community Capital Expenses*



Section A-6

*No service provided if section is blank

City of Parma

2017 Capital Expenses

Broadrock Drill Drop PTI	\$ 11,503
Snow Road Lining	\$ 32,380
Pleasant Valley Road Repair	\$ 16,300
Bradley Avenue Repair	\$ 9,008
Lorimer Road Repair	\$ 18,426
Sharon Drive Repair	\$ 134,276
Commonwealth Drive Repair	\$ 17,803
Groveswood Avenue Repair	\$ 53,772
Ridge Road Repair	\$ 105,963
Sewer Repair Loan	\$ 80,462
Fernhill Avenue Loan	\$ 98,249
Broadview Drill Drop Loan	\$ 24,114
Total Capital Expenses:	\$ 602,256

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
Bryan J. Hitch	Sewer Maintenance Superintendent
Hugh Blocksidge P.E	Chief Engineer Sanitary Design



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) 443-8211
Sewer Maintenance	Gary Green, Senior Supervisor(216) 443-8225
Lateral Services	Suzanne Britt, Supervisor(216) 443-3553
Construction (EAST)	Mitch Holt, Supervisor(216) 443-8229
Construction (WEST)	John Gribble, Supervisor(216) 443-8227
Sewer Jetting	Guy Swindell, Supervisor(216) 443-8226
Televised Inspection	Todd Swindell, Supervisor(216) 443-8224
Pump Station Operations	William Applegarth, Supervisor(216) 443-8295
Sewer Maintenance	Dave Novak, 2nd Shift Supervisor(216) 348-4238
Sewer Maintenance	Patrick Mauk, 2nd Shift Supervisor(216) 348-3849
Sewer Maintenance	Tom Noy, 2nd Shift Supervisor(216) 348-3901

Cuyahoga County Department of Public Works

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Cuyahoga County
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