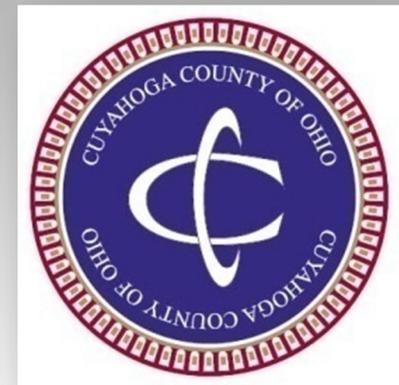


Cuyahoga County Public Works

SANITARY ENGINEERING FOR THE

CITY OF PARMA



Fiscal Year 2012 - Expense Summary

Activity	Fund	Total
Sewer Maintenance	Sanitary Sewer	\$1,915,874
	Storm Sewer	\$459,946
Pump Station O &M	Sanitary Sewer	\$35,193
Engineering & Inspection	Sanitary Sewer	\$408,312
Capital Improvements	Sanitary Sewer	\$462,678
	Storm Sewer	\$445,080
	Water Main	\$0
Total Expenses		\$3,727,666

Fiscal Year 2012 - Revenue & Expenses

Revenue	Beginning Balance	\$3,333,470
	Sanitary	\$2,912,223
	Storm	\$755,161
	Water	\$267,062
	Subtotal:	\$7,267,916
Expenses	Sanitary	\$2,822,640
	Storm	\$905,026
	Water	\$0
	Subtotal:	\$3,727,666
	Ending Cash Balance	\$3,540,250

Fiscal Year 2013 - (1st Quarter) Expense Summary

Activity	Fund	Total
Sewer Maintenance	Sanitary Sewer	\$597,744
	Storm Sewer	\$134,287
Pump Station O &M	Sanitary Sewer	\$12,395
Engineering & Inspection	Sanitary Sewer	\$81,408
Capital Improvements	Sanitary Sewer	\$552,917
	Storm Sewer	\$500,934
	Water Main	\$512,000
Total Expenses		\$2,391,685

Fiscal Year 2013 - (Projected) Expense Summary

Activity	Fund	Total
Sewer Maintenance	Sanitary Sewer	\$2,400,000
	Storm Sewer	\$450,000
Pump Station O &M	Sanitary Sewer	\$40,000
Engineering & Inspection	Sanitary Sewer	\$300,000
Capital Improvements	Sanitary Sewer	\$1,163,700
	Storm Sewer	\$712,000
	Water Main	\$512,000
Total Expenses		\$5,577,700

Fiscal Year 2013 - (Projected) Revenue & Expenses

	Beginning Balance	\$3,540,250
Revenue	Sanitary	\$2,912,223
	Storm	\$755,161
	Water	\$267,062
	Subtotal:	\$7,474,696
Expenses	Sanitary	\$3,903,700
	Storm	\$1,162,000
	Water	\$512,000
	Subtotal:	\$5,577,700
	Ending Cash Balance	\$1,896,996

Service Program
from the 2012
Annual Report

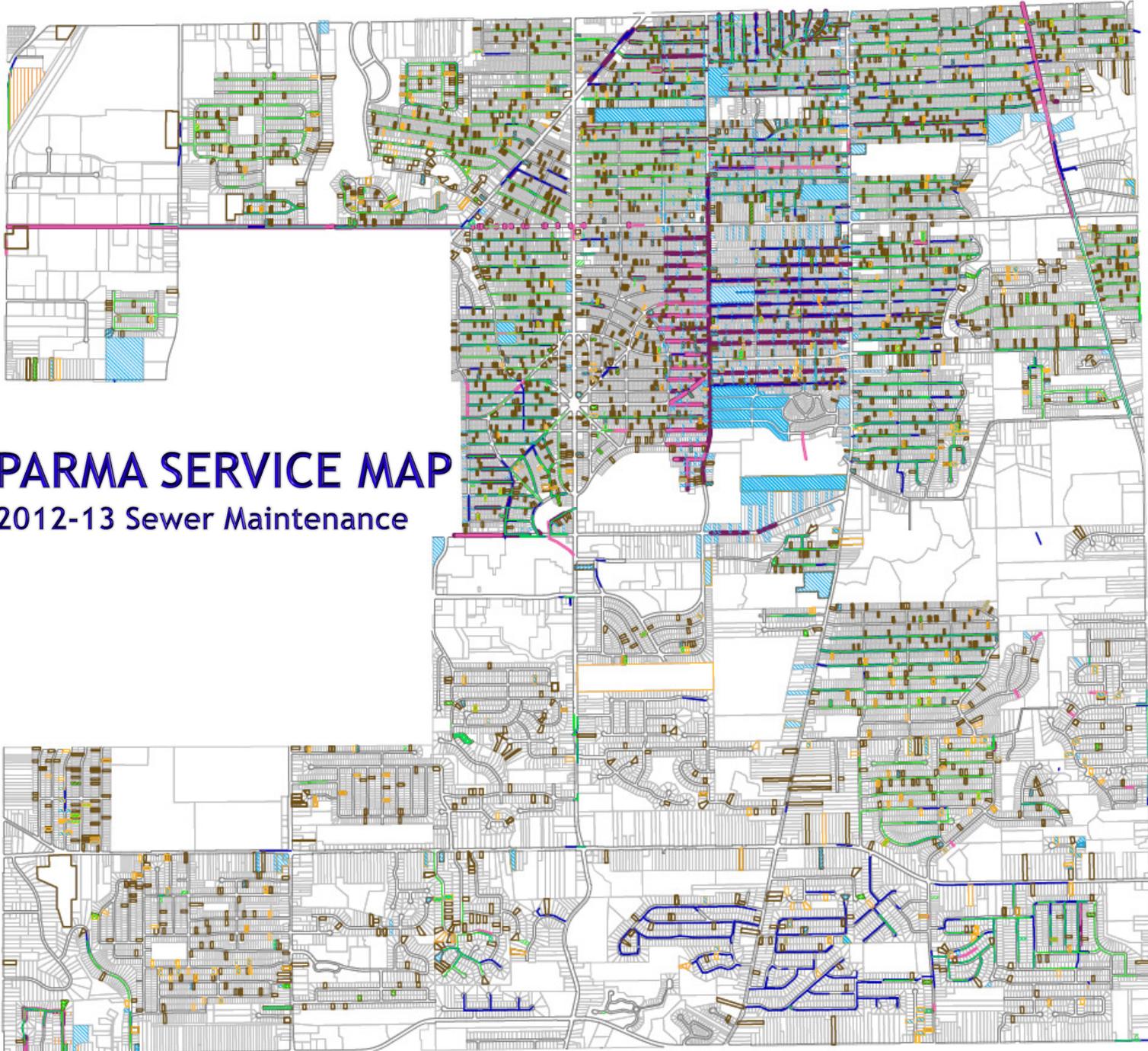
City of Parma

<u>Type</u>	<u>Community Total</u>
Sanitary Sewers Manholes	1,211,394 Feet 5,173 (Approximately)

2012 Service Program

<u>Program</u>	<u>2012 Activity</u>
1) High Pressure Cleaning*	355,671 Feet
2) House Service	2,280 Calls
3) Television Inspection*	335,563 Feet
4) Construction Activities	1,008 Job(s)
5) Smoke and Dye Testing	19 Test(s)
6) Construction Permits Issued (Commercial)	4
(Residential)	57
7) Plan Review	6 Plan(s)
8) Capital Projects	4,132 Feet (New Sewer Lines Inspected)

*Information includes footages for sanitary (collection system) and storm sewers.



Legend

-  SMOKE/DYE TEST
-  LATERAL CAMERA VISIT
-  LATERAL JET VISIT
-  CONSTRUCTION VISIT
-  HOUSE VISIT
-  SANITARY TV INSPECTED
-  SANITARY JET CLEANED
-  STORM TV INSPECTED
-  STORM JET CLEANED
-  PRIVATE ROAD
-  RIGHT OF WAY
-  PARCEL

PARMA SERVICE MAP

2012-13 Sewer Maintenance



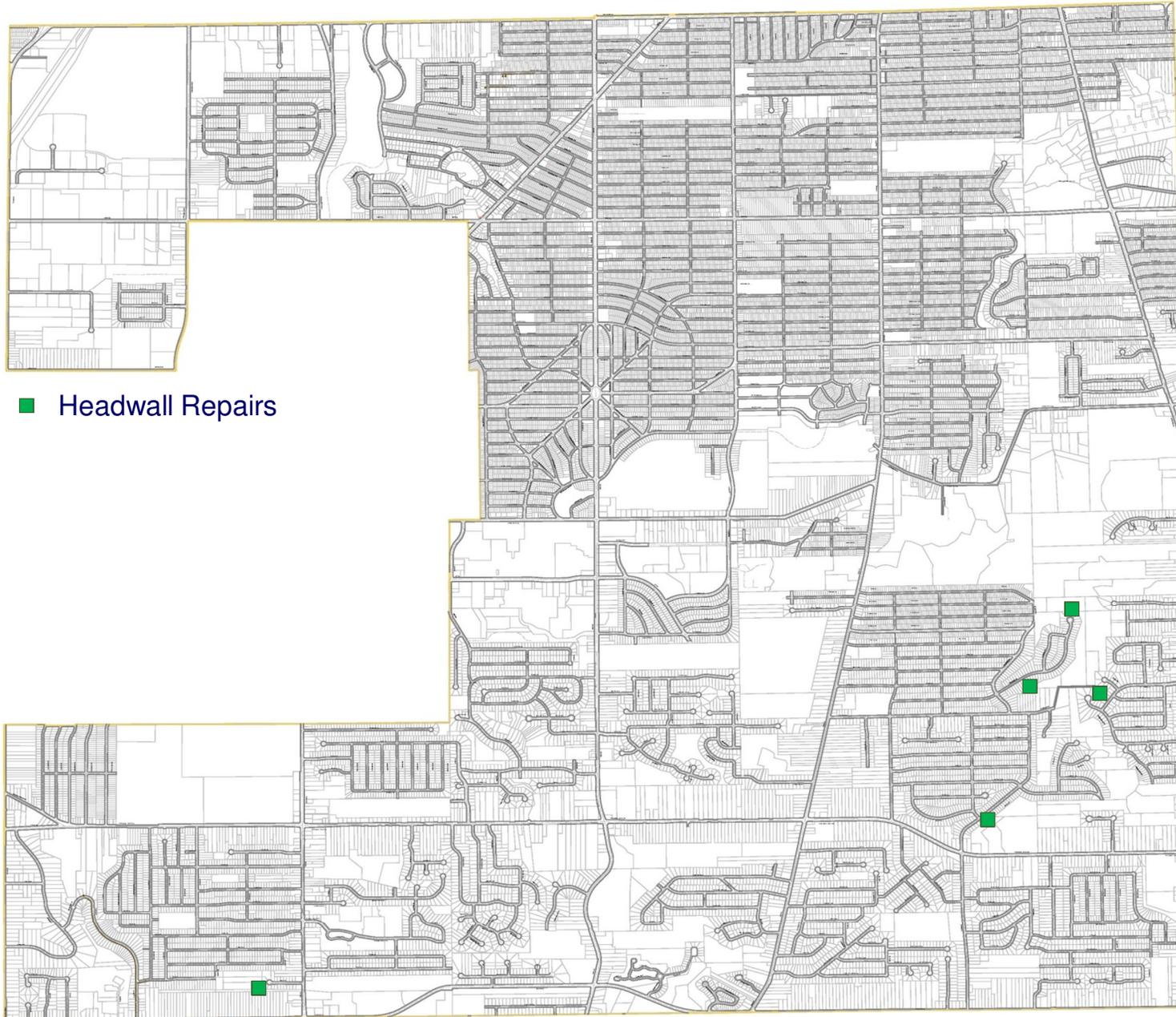
Cuyahoga County Public Works Department

2012-2013 Projects

PARMA

HEADWALL REPAIRS

Gettyburg (Shiloh)
2 on Augustine
Meadow Ln.
Baron



■ Headwall Repairs

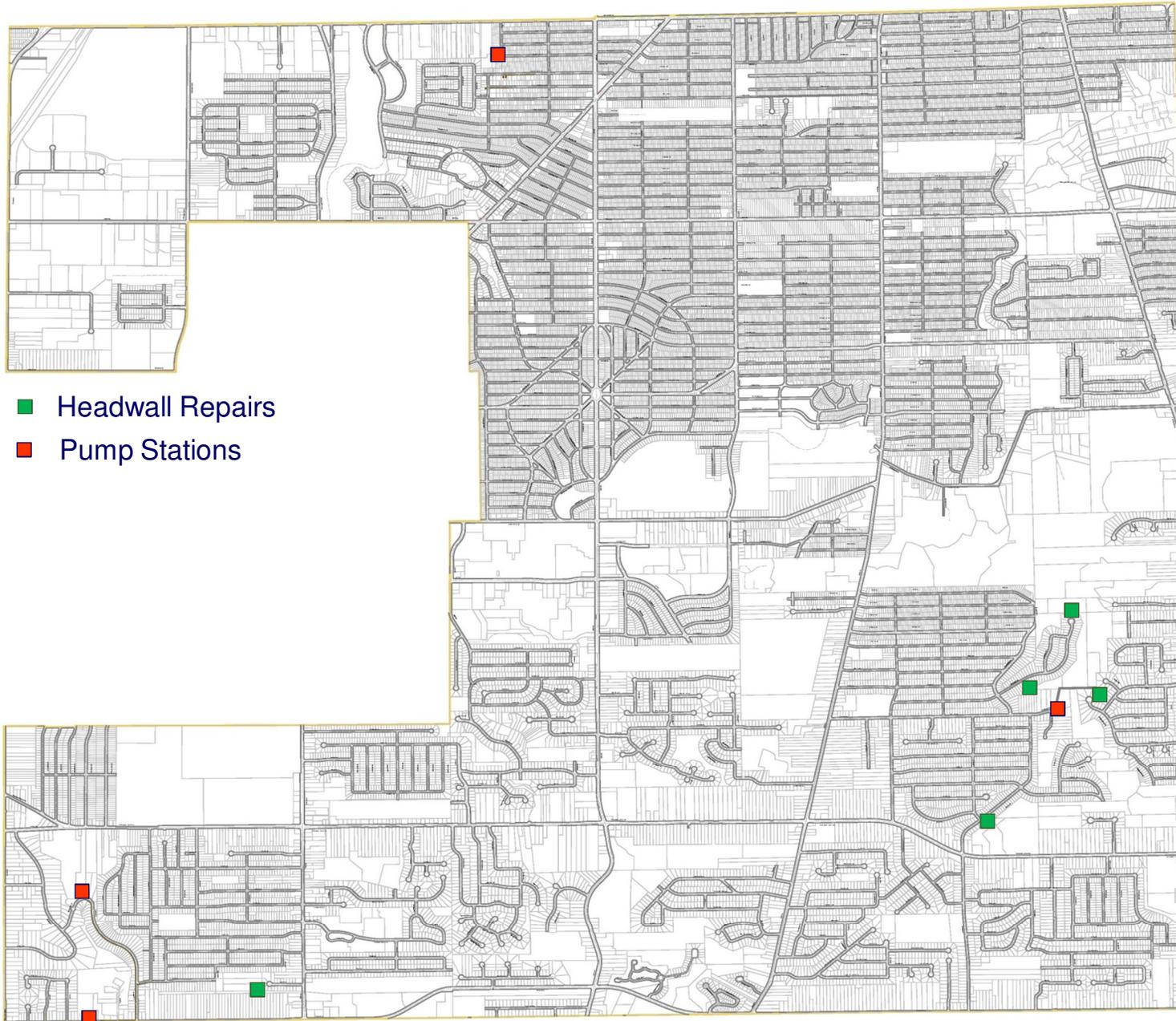
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Survey Feet



Cuyahoga County Public Works Department

2012-2013 Projects

PARMA



- Headwall Repairs
- Pump Stations

HEADWALL REPAIRS

Gettyburg (Shiloh)
2 on Augustine
Meadow Ln.
Baron

PUMP STATIONS

Manhattan
E. Linden
W. Sprague
Dentzler

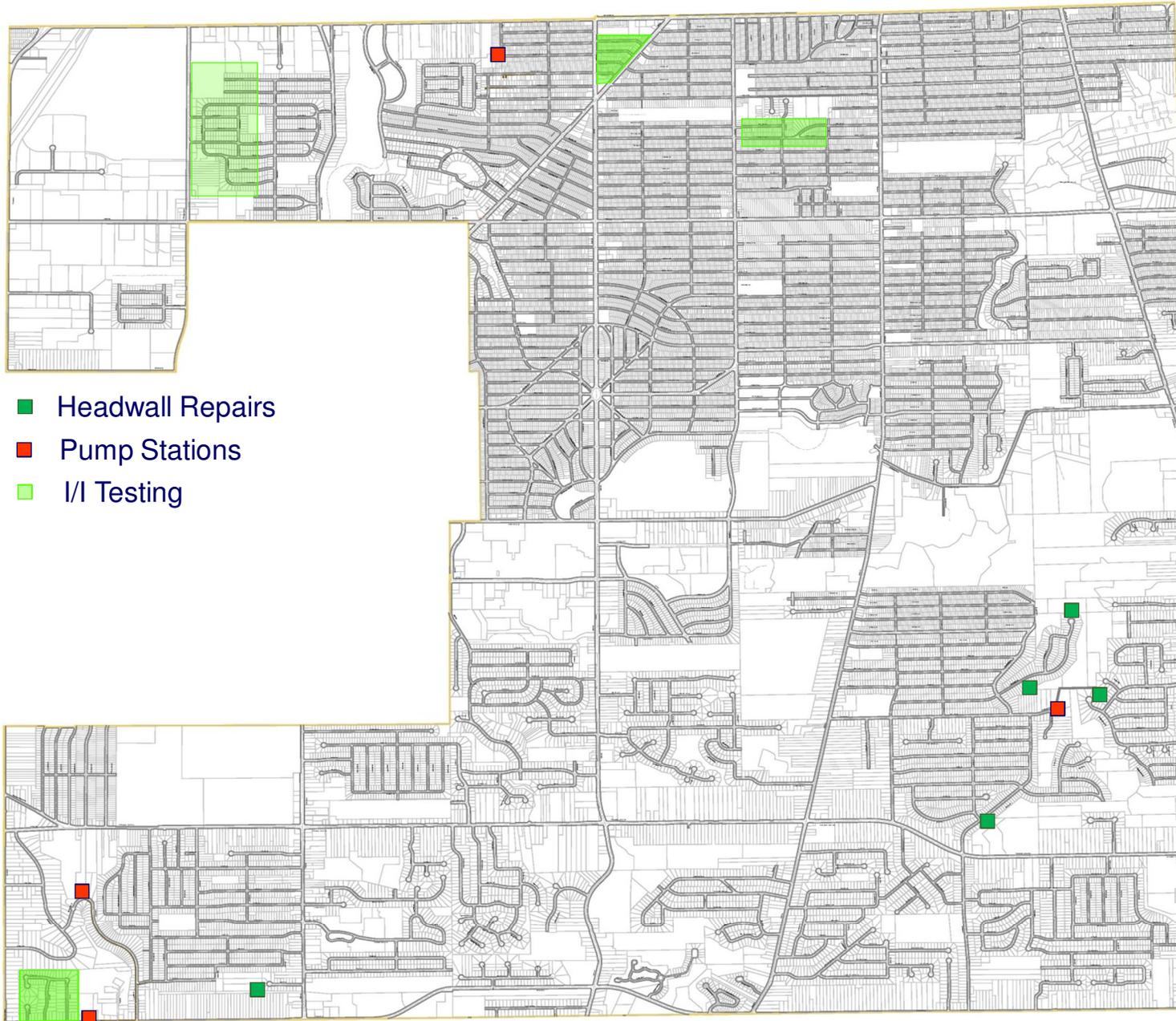
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Cuyahoga County Public Works Department

2012-2013 Projects

PARMA



- Headwall Repairs
- Pump Stations
- I/I Testing

HEADWALL REPAIRS

Gettyburg (Shiloh)
2 on Augustine
Meadow Ln.
Baron

PUMP STATIONS

Manhattan
E. Linden
W. Sprague
Dentzler

INFLOW/INFILTRATION TESTING

List Lane Area
Torrington Area
Triangle Area
Chevrolet Blvd. Area – by
NEORS (URS & WRCE)

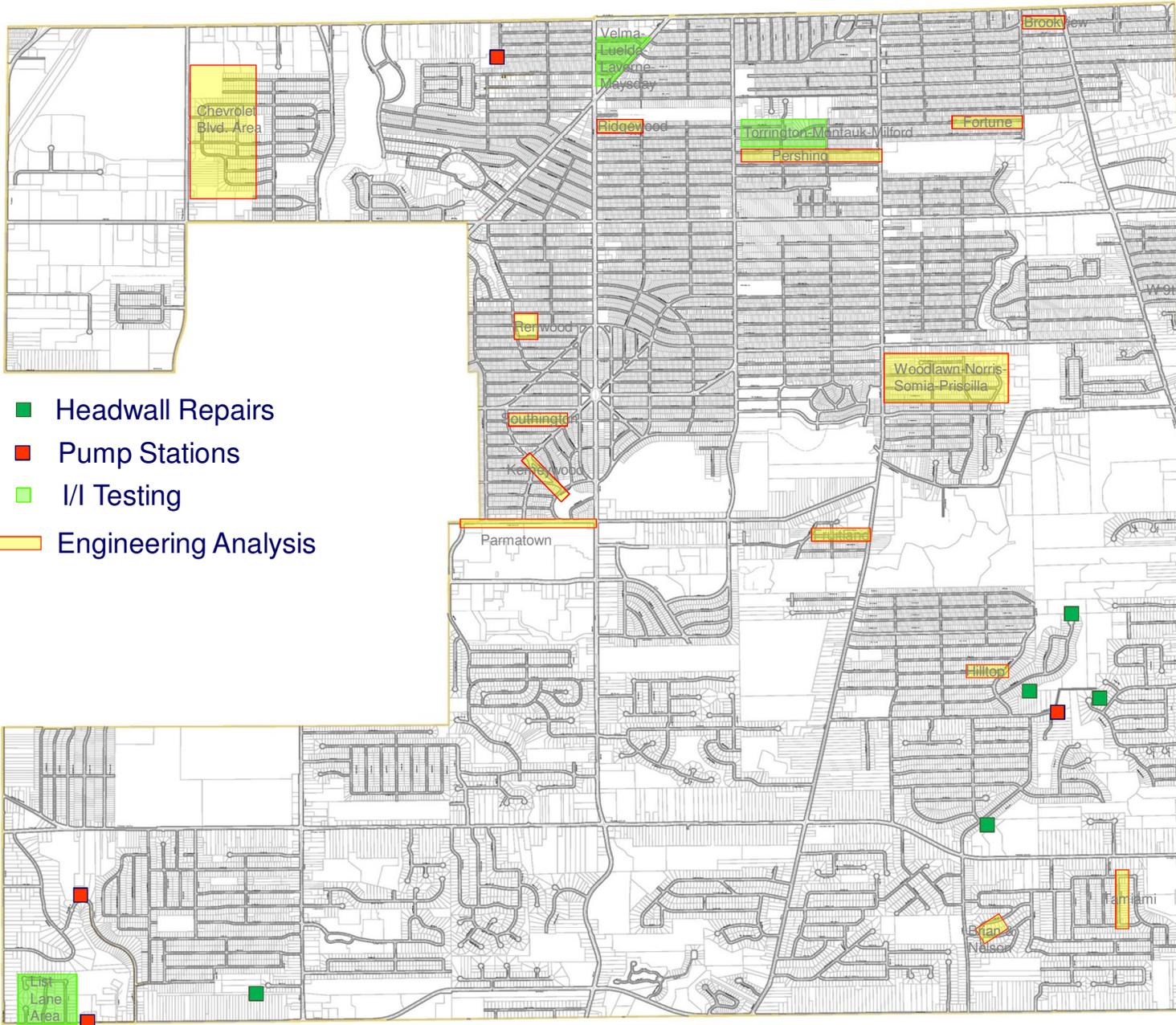
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Survey Feet



Cuyahoga County Public Works Department

2012-2013 Projects

PARMA



HEADWALL REPAIRS

Gettyburg (Shiloh)
2 on Augustine
Meadow Ln.
Baron

PUMP STATIONS

Manhattan
E. Linden
W. Sprague
Dentzler

INFLOW/INFILTRATION TESTING

List Lane Area
Torrington Area
Triangle Area

ENGINEERING ANALYSIS

Renwood
Ridgewood Ave.
List Lane Area
Pershing
Fortune
Torrington Area
Woodlawn-Somia-Norris
Chevrolet Blvd. Area
Southington
Kerneywood
Tamiami
Brian & Nelson
Triangle Area
W. 9th St.
Hilltop
Fruitland
Brookview
Parmatown

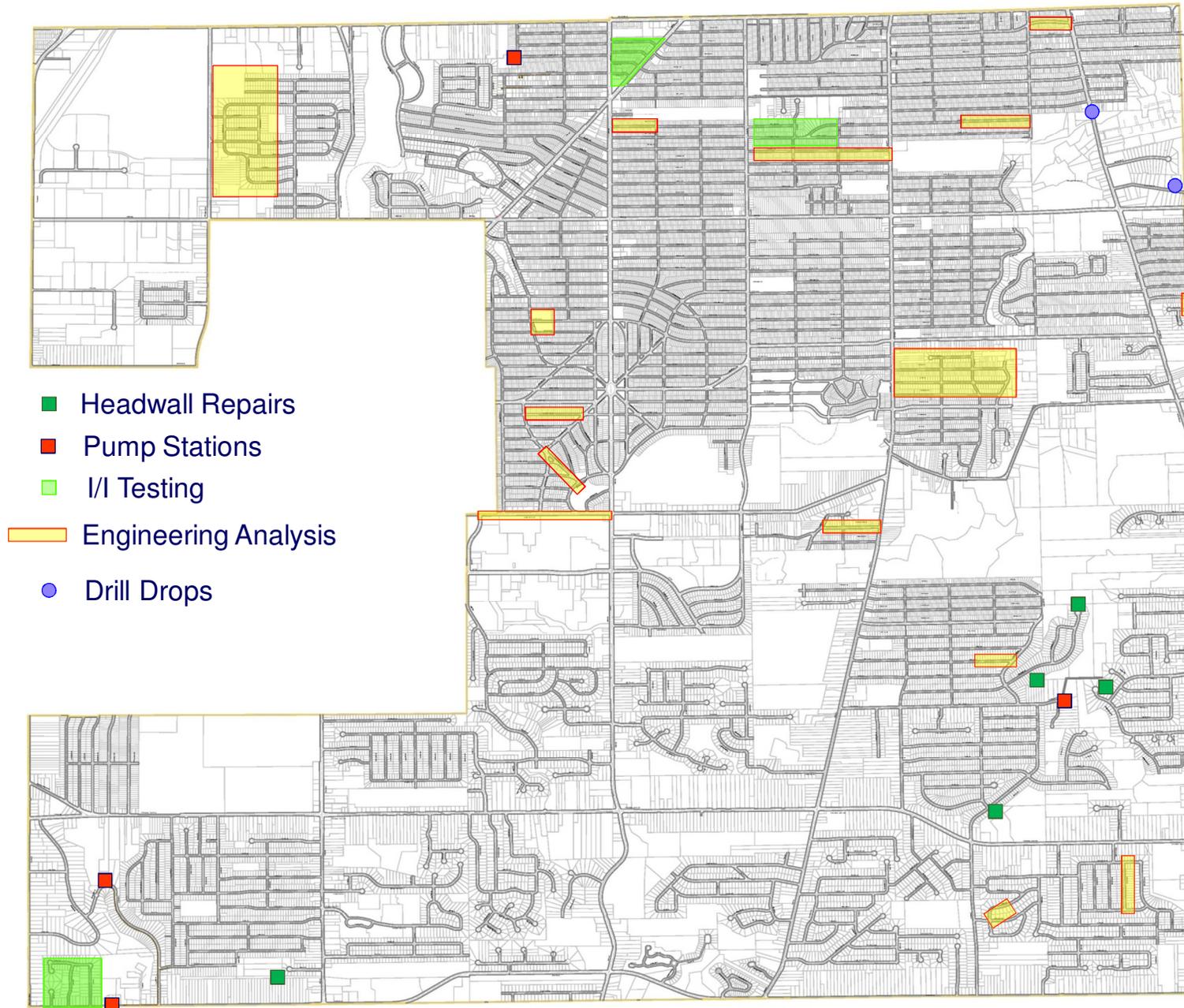


Cuyahoga County Public Works Department

2012-2013 Projects

PARMA

DRILL DROPS
Broadview
Old Rockside



Cuyahoga County Public Works Department

2012-2013 Projects

PARMA

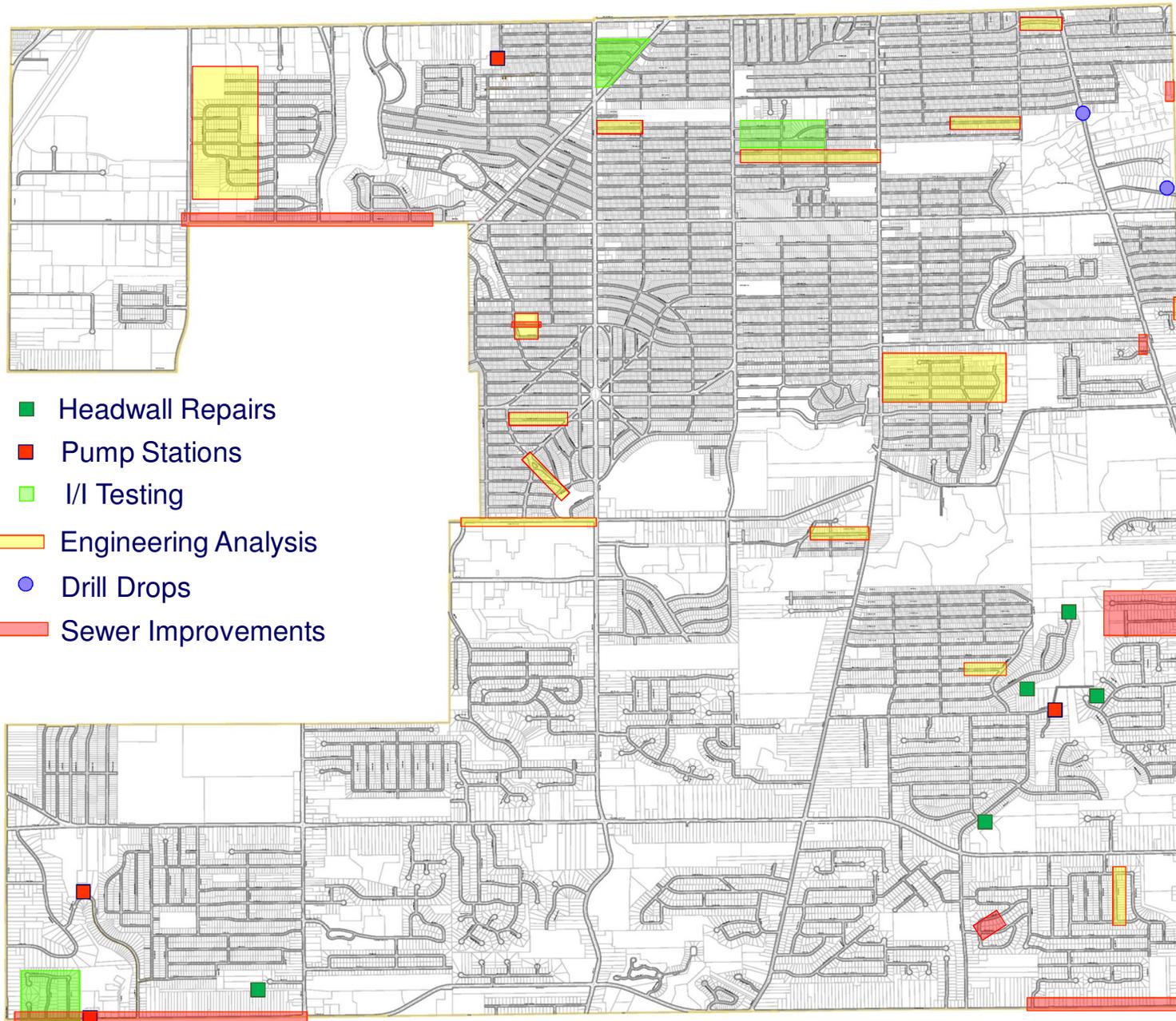
DRILL DROPS

Broadview
Old Rockside

SEWER IMPROVEMENTS

Sprague Rd. (West Creek Watershed)
W. Sprague Rd. – Joyce Dr.
Parkhaven – Mazepa
Sandpiper Aerial
Snow Rd.
Renwood
Grantwood & Broadview
Brian & Nelson
*Lateral Repairs

- Headwall Repairs
- Pump Stations
- I/I Testing
- ▭ Engineering Analysis
- Drill Drops
- ▭ Sewer Improvements



Capital Improvement Projects

Project Title:	W. Sprague Rd. (C.R. 67) Improvements		\$258,000	
Project Scope:	Sanitary Sewers - List In, W List Ln, Neil Dr, & Joyce Dr Sewer Repairs			1a
Community:	Parma	Funding Source:	Parma Sanitary & Storm Sewer Funds	
Engineer's Estimate:	\$258,000.00	NTP:	3Q 2013	
Project Title:	W. Sprague Rd. Pump Station			
Project Scope:	W. Sprague Pump Station			1b
Community:	Parma	Funding Source:	OPWC Funds / County Funds (50% / 50%)	
Engineer's Estimate:	\$500,000.00	NTP:	2Q 2014	
Project Title:	W. Sprague Rd. (C.R. 67) Improvements			
Project Scope:	Sanitary sewers as part of the roadway improvements			1c
Community:	Parma	Funding Source:	Assessments	
Engineer's Estimate:	\$674,000.00	NTP:	1Q 2015 (1Q 2016)	
Project Title:	W. Sprague Rd. (C.R. 67) Improvements			
Project Scope:	Sanitary sewers as part of the roadway improvements			1d
Community:	North Royalton	Funding Source:	OPWC Funds / County Funds (50% / 50%)	
Engineer's Estimate:	\$568,000.00	NTP:	1Q 2015 (1Q 2016)	

Capital Improvement Projects

Project Title:	Ridgewood Avenue Sanitary Sewer Extension		\$388,000	2
Project Scope:	Extend the sanitary sewer on the north side, connect the existing homes on the south side, and abandon the existing centerline sanitary sewer			
Community:	Parma	Funding Source:	Parma Sanitary Sewer Fund	
Engineer's Estimate:	\$388,000	NTP:	3Q 2013	

\$646,000

Project Title:	Pershing Ave. Sanitary Sewer Repairs & Lining		\$176,500	3a
Project Scope:	Repair & Line Sewers			
Community:	Parma	Funding Source:	Parma Sanitary Sewer Fund	
Engineer's Estimate:	\$57,500 Sanitary Sewer Repairs - \$119,000 Sanitary Sewer Lining	NTP:	2013	

\$822,500

Project Title:	Pershing Ave. Storm Sewer Repairs & Lining		\$162,000	3b
Project Scope:	Repair & Line Sewers			
Community:	Parma	Funding Source:	Parma Storm Sewer Fund	
Engineer's Estimate:	\$41,000 Storm Sewer Repairs - \$121,000 Storm Sewer Lining	NTP:	2013	

Project Title:	Broadview Road (S.R.-176) Sanitary Relief Sewer Connection (Drill Drop)		\$276,000	4a
Project Scope:	Sanitary relief sewer and connection to NEORS D 72" Tunnel (south of Brookdale Ave.)			
Community:	Parma	Funding Source:	Parma Sanitary Sewer Fund	
Engineer's Estimate:	\$276,000.00	NTP:	2Q 2013	

\$1,098,500

Capital Improvement Projects

Project Title:	Broadview Road & Brookdale Ave. Sanitary Sewers			4b
Project Scope:	Sanitary sewers on Brookdale Ave. and Broadview Rd. (from Brookdale to Broadview Drill Drop)			
Community:	Parma	Funding Source:	Assessment & (OPWC Funds)	
Engineer's Estimate:	\$695,900.00	NTP:	2Q 2014	

Project Title:	2012-2013 Sanitary Sewer Repair Contract (Annual)			5a
Project Scope:	Repair sanitary sewers on various streets throughout the City of Parma			
Community:	Parma	Funding Source:	Parma Sanitary Sewer Funds	
Engineer's Estimate:		NTP:	Throughout the year (Annually)	

Project Title:	2012-2013 Storm Sewer Repair Contract (Annual)			5b
Project Scope:	Repair storm sewers on various streets throughout the City of Parma			
Community:	Parma	Funding Source:	Parma Storm Sewer Funds	
Engineer's Estimate:		NTP:	Throughout the year (Annually)	

Project Title:	2012-2013 Sanitary Sewer Lining Contract (Annual)			\$65,200	6a
Project Scope:	Lining sanitary and storm sewers on various streets throughout the City of Parma				
Community:	Parma	Funding Source:	Parma Sanitary Sewer Funds		
Engineer's Estimate:	To be determined	NTP:	Throughout the year (Annually)		

\$1,163,700

Capital Improvement Projects

Project Title:	2012-2013 Storm Sewer Lining Contract (Annual)			6b
Project Scope:	Lining sanitary and storm sewers on various streets throughout the City of Parma			
Community:	Parma	Funding Source:	Parma Storm Sewer Funds	
Engineer's Estimate:	To be determined	NTP:	Throughout the year (Annually)	

Project Title:	Sprague Rd. and Hoertz Rd. Sanitary Sewer Project			7
Project Scope:	Sanitary sewers and roadway improvements			
Community:	Parma & Broadview Hts.	Funding Source:	Issue One & Assessments	
Engineer's Estimate:	\$1,796,628.23	NTP:	2Q 2013	

Project Title:	2013 Headwall Repair/Replacement (Annual)			\$450,000	8
Project Scope:	Headwall Repair/Replacement in various areas of Parma - 2 to 3 headwalls per year				
Community:	Parma	Funding Source:	Parma Storm Sewer Fund		
Engineer's Estimate:	\$300,000 to \$450,000 per year	NTP:	4Q 2013		

\$612,000

Project Title:	2013 Water Main Replacement, Lining, and/or Repair (Annual)			9
Project Scope:	Water main replacement, lining, and/or repair in various areas of Parma			
Community:	Parma	Funding Source:	Parma Water Fund	
Engineer's Estimate:	To be determined (\$100,000)	NTP:	Throughout the year (Annually)	

Capital Improvement Projects

Parma 2012-2013 Sewer Lining Projects

Project (1) Description:	Parma: Renwood Dr line 525 ft of 8" sanitary sewer, 310 ft of 24" and 230 ft of 27" of storm sewer.		\$72,620.00	\$71,244.00
Project (2) Description:	Fruitland - 1312 LF of 8-inch lining.	Mark Elsesser	\$46,136.00	
Project (3) Description:	Hilltop - 581 LF of 8-inch lining.	Mark Elsesser	\$19,068.00	
Project (4) Description:	Pershing Ave Sanitary Lining - 3,179 LF of 8-inch	Mark Elsesser	\$119,012.00	
Project (5) Description:	Pershing Ave Storm Lining - 900 LF of 12-inch, 270 LF of 15", 787 LF of 18-inch and 263 LF of 21-inch	Mark Elsesser	\$121,148.00	
Project (6) Description:	Snow Rd sanitary Lining - 2544 LF of 8-inch.	Mike Zavoda	\$91,632.00	
Project (7) Description:	Sanitary lining of List Ln, Neil Dr, and Joyce Dr, 3142 LF of 8-inch.	Mark Elsesser	\$102,576.00	
Project (8) Description:	Storm lining of List Ln, Neil Dr, and Joyce Dr, 2422 LF of 12-inch, 14-inch, 24-inch and 27-inch.	Mark Elsesser	\$171,954.00	
Project (8) Description:				
			\$744,146.00	\$71,244.00

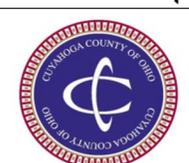
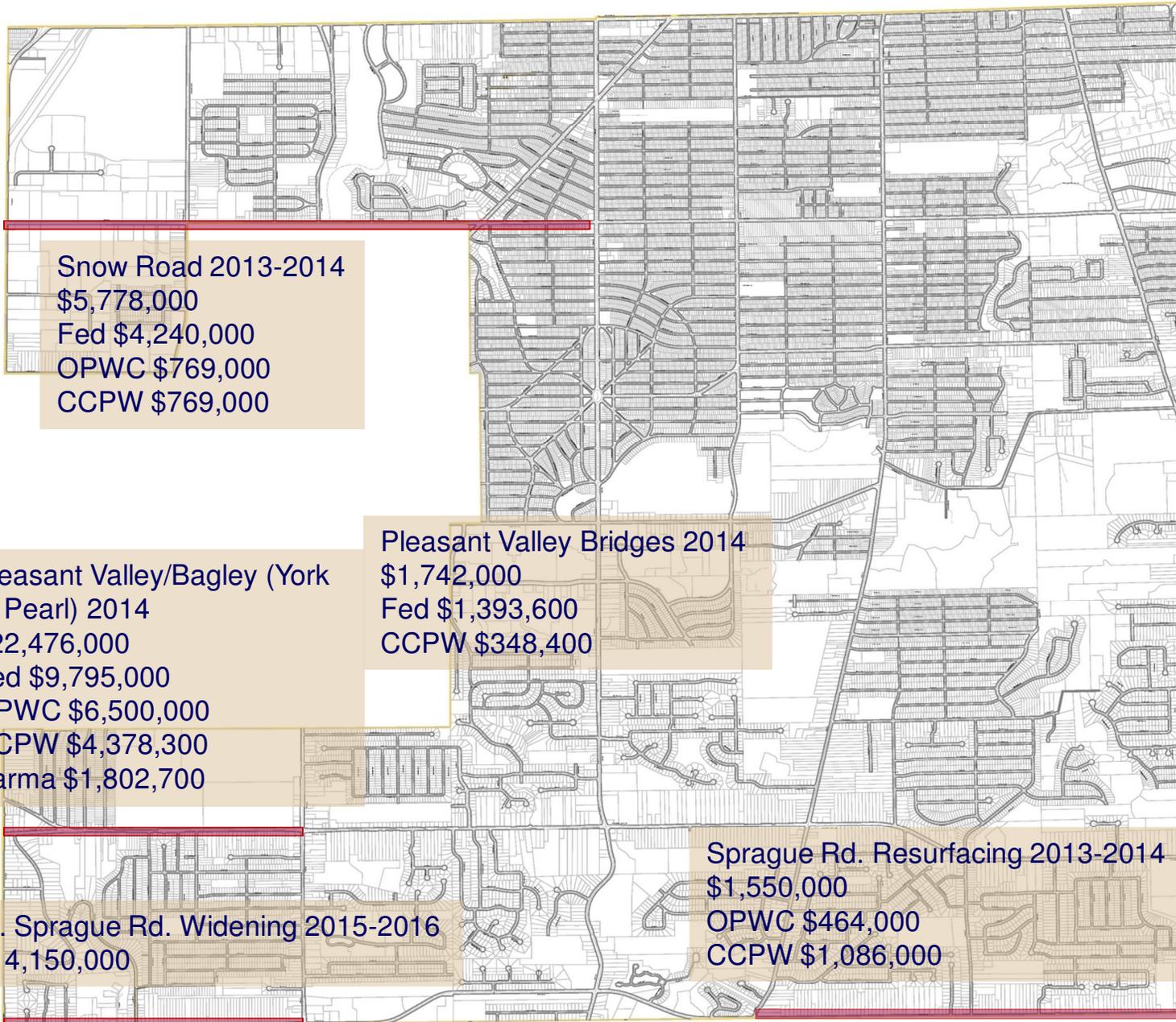
Parma 2012-2013 Sewer Repair Projects

Project (1) Description:	4506 Bruening Dr lateral repair.	Mark Elsesser	N/A	\$10,099.40
Project (2) Description:	Nelson Dr storm sewer repair.	Mark Elsesser	N/A	\$77,238.94
Project (3) Description:	West 130th near Snow Rd., storm sewer invert lining.	Steve Toth	\$57,744.50	
Project (4) Description:	6144 Broadview and Grantwood, repair of 48-inch concrete storm sewer.	Mark Elsesser	\$20,687.80	\$14,925.47
Project (5) Description:	Snow Road near Edgehill and Parkhill, 19 foot deep repair lateral wye branches. (Note: Locations need to be marked by CCTV crews.)	Steve Toth		
Project (6) Description:	7417 Kenilworth: Repair broken wye and broken main.	Steve Toth		
Project (7) Description:	11812 Glamer Dr storm lateral repair.	Mike Zavoda	N/A	\$23,306.50
Project (8) Description:	W Sprague Rd Repair - List Lane	Mark Elsesser	\$214,106.00	
Project (9) Description:	W Sprague Rd Repair - W List Lane, Neil Dr and Joyce Dr	Mark Elsesser	\$40,794.00	
Project (10) Description:	Pershing Ave Sanitary Repair - 136 LF of 8-inch	Mark Elsesser	\$57,388.48	
Project (11) Description:	Pershing Ave Storm Repair - 38 LF of 15-inch	Mark Elsesser	\$40,637.88	
Project (12) Description:	Snow Rd sewer repairs	Mike Zavoda	\$217,060.47	
Project (13) Description:	List Ln & W List Ln sanitary sewer repair	Mark Elsesser	\$64,384.50	
Project (14) Description:	List Ln storm sewer repair	Mark Elsesser	\$4,389.95	
Project (15) Description:	Lateral repair at 5715 Edgehill Dr.	Mike Zavoda	N/A	
Project (16) Description:				
			\$717,193.58	\$125,570.31

Cuyahoga County Public Works Department

Roadway & Bridge Projects

PARMA

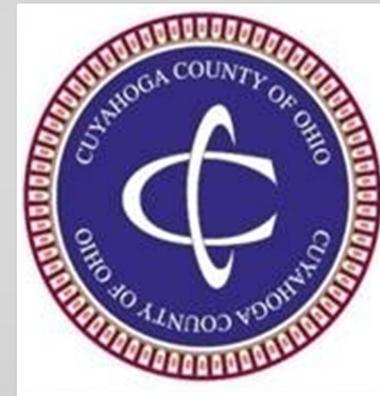


PROGRESS THROUGH PARTNERSHIPS

Maintaining Your Sanitary Sewers Maintaining Your Storm Sewers



Timothy DeGeeter
Mayor of Parma



Bonita G. Teeuwen, P.E.
Director of Public Works

For information call 216-443-8211
or visit www.sanitaryeng.cuyahogacounty.us