

City of Baltimore
Department of Public Works

**Modified Consent Decree Program
Revised Operation & Maintenance Plan**

Sanitary Sewer Overflow Consent Decree
Civil Action No. JFM-02-1524

Updated November 2021



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Acronyms and Abbreviations

BMP	best management practice
CMMS	Computerized Maintenance Management System
City or Baltimore City	Mayor and City Council of Baltimore
CCTV	closed circuit television
CCA	Baltimore City Department of Public Works – Office of Communications and Community Affairs
CIPP	cured-in-place-pipe
CNA	cannot access
CNL	cannot locate
CNO	cannot open
CSR	Customer Service Request
DPW	Baltimore City Department of Public Works
FOG	fats, oils, and grease
FSE	food service establishment
GIS	Geographic Information System
GCD	grease control device
DHCD	Baltimore City Department of Housing and Community Development
I/I	infiltration and inflow
MCD	Modified Consent Decree
NOV	Notice of Violation
OAM	Baltimore City Department of Public Works – Office of Asset Management
O&M	operation and maintenance
PCS	Baltimore City Department of Public Works – Pollution Control Section
QA/QC	quality assurance/quality control
SR	service request
SSO	sanitary sewer overflow
SSES	sewer system evaluation survey
UMD	Baltimore City Department of Public Works – Utility Maintenance Division
WIC	water-in-cellar

2.2.2 Targeted Small-Diameter Inspection and Cleaning Protocol

2.2.2.1 Identification of Targeted Areas

“Area” had not previously been defined. Following careful study, it is now defined as the area immediately adjacent to pipes that have experienced blockages and / or have contributed to dry weather SSOs. It does not include pipes upstream or downstream of the pipes that have experienced issues.

Appendix A: Targeted Areas for 2-, 3-, or 4-Year Inspection/Cleaning Cycles

In the past, the Baltimore sewer network had been divided into arbitrary polygons called “systems” that included anywhere from 2,000 to 4,500 linear feet (LF) of pipe. In earlier iterations of candidate selection, these polygons were used as proxies for the “areas” mentioned in the MCD. With the refined definition of “area” in 2.2.2.1 pertaining to the immediate area surrounding a problematic pipe itself, the number of pipes identified for targeted cleaning drops significantly from previous years. While the MCD stipulates that Targeted Cleaning must identify areas of reoccurring blockages, the City of Baltimore is including all blockages and dry weather SSOs within the past three years in a bid to be proactive and ensure any potential blockages are investigated and mitigated. In keeping with the original intent of the MCD and the initial O&M Plan dated February 2018, the targeted cleaning methodology with the refinement of the definition of area continues to incorporate all blockages and dry weather SSOs within the past three years and the overall criticality of the pipe and prioritizes pipes based upon a normalized length risk score.

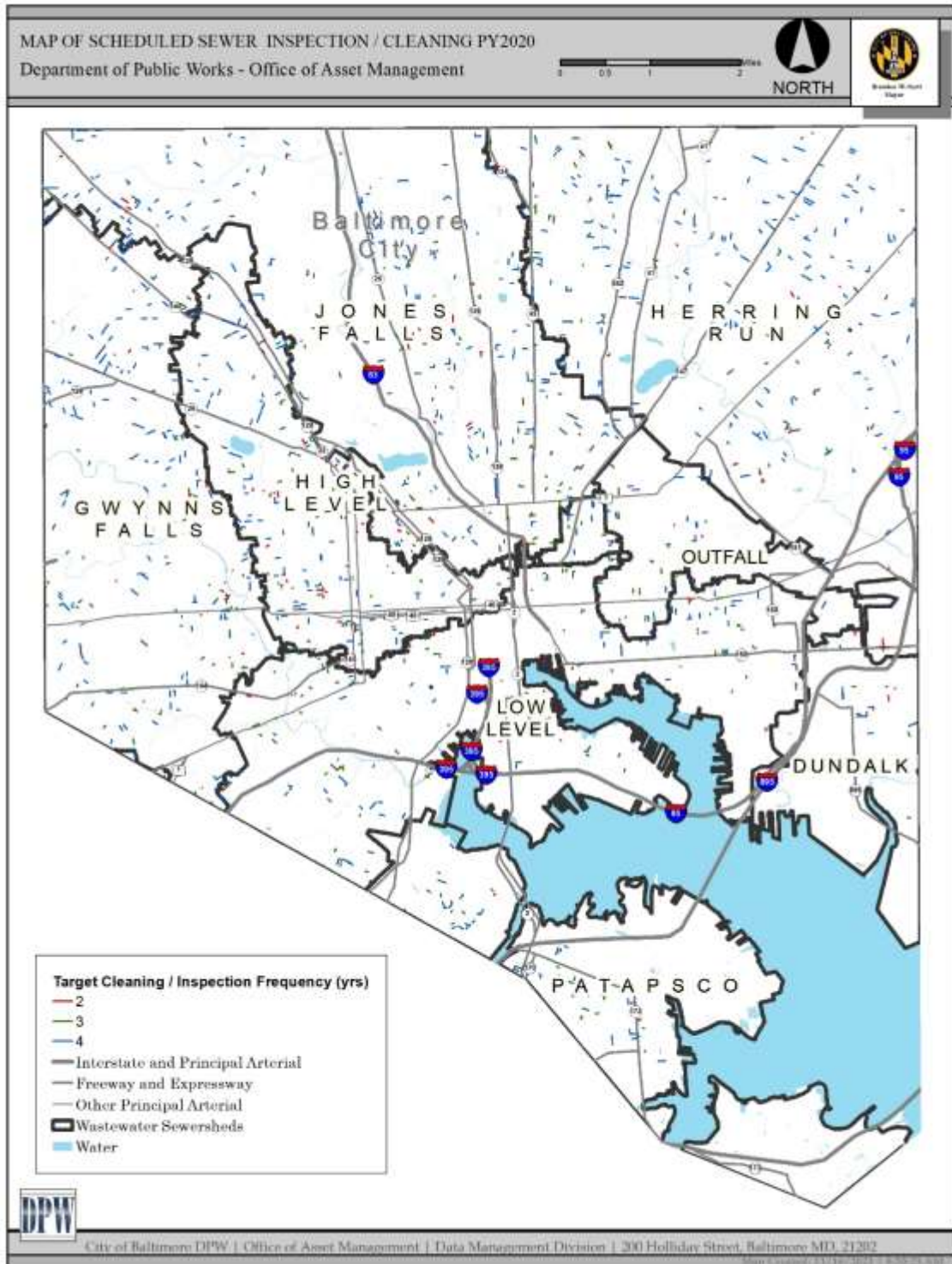
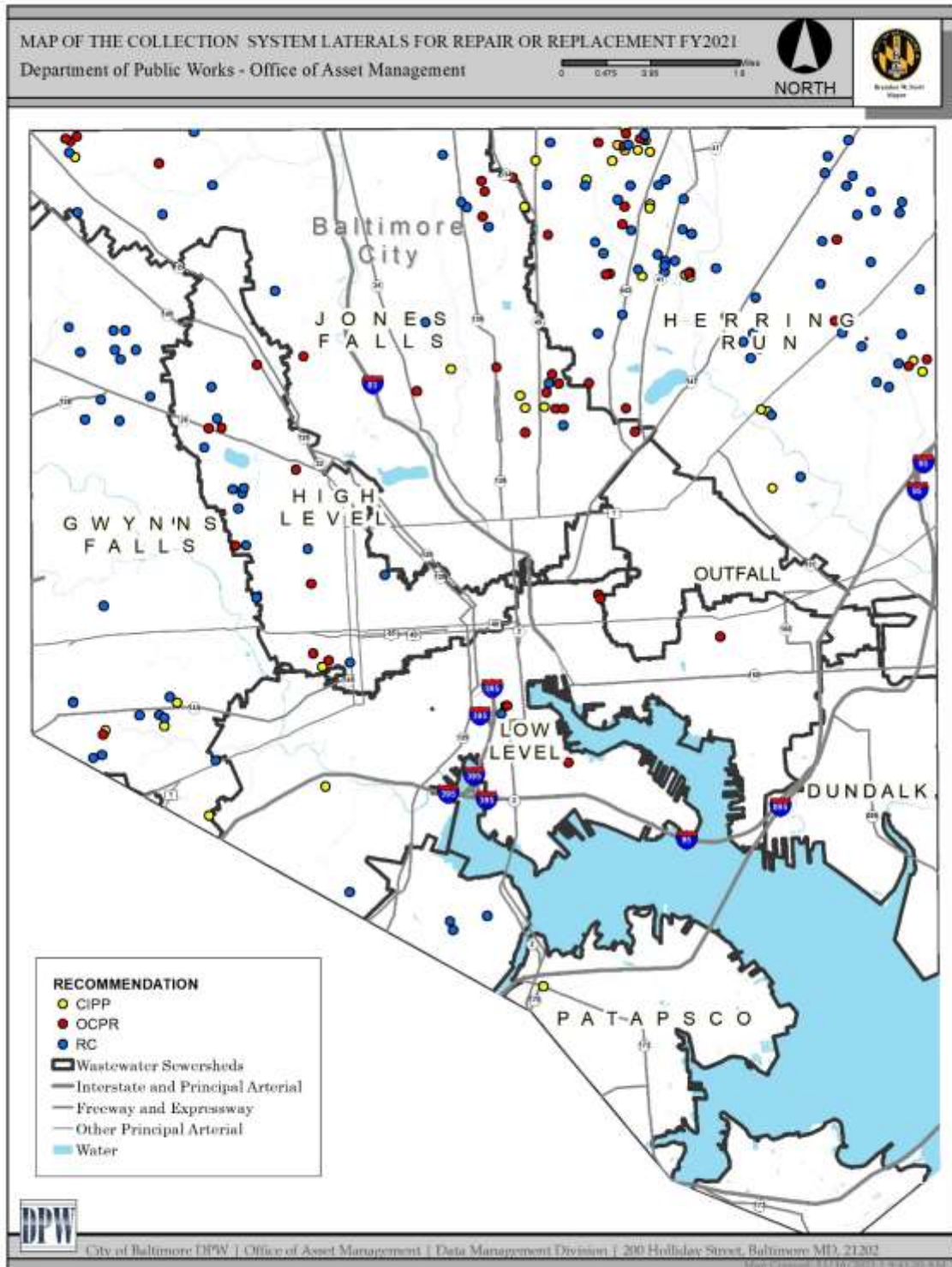


Figure A-1 Targeted Areas Scheduled for Inspection/Cleaning on a 2, 3, or 4 year Cleaning Cycle

Table A-1. List of Targeted Areas Scheduled for Inspection/Cleaning on a 2-, 3-, or 4-year Cycle

Table A-1							
Basin	Basin Chokes	No. of Dry SSOs	Volume of Dry SSOs GAL	Target Area (Linear Feet) (Assigned)			
	3-year History			2- Year Cleaning Cycle	3-Year Cleaning Cycle	4-Year Cleaning Cycle	2, 3, and 4 Year Cleaning Cycle Total
Dundalk	39	9	37	833	962	3,293	5,088
Gwynns Falls	238	99	1,261,508	4,525	8,550	40,694	53,769
Herring Run	340	89	571,300	3,631	10,538	62,069	76,238
High Level	234	112	14,436	5,793	12,150	32,440	50,384
Jones Falls	346	176	719,208	7,519	16,741	51,700	75,961
Low Level	240	81	777,975	5,173	13,536	20,004	38,713
Outfall	60	23	332,154	1,655	3,981	6,485	12,120
Patapsco	52	14	814	427	4,799	11,049	16,275
Total	1,549	603	3,677,432	29,556	71,257	227,735	328,548

Appendix B:
Collection System Laterals for Repair or Replacement



Note: Building Backups were evaluated from fiscal year 2018 to fiscal year 2021 using data collected through customer service requests and work orders for lateral-based WICs.

Figure B-1 Collection System Laterals for Repair or Replacement

Recurring Building Backups were identified *from fiscal year 2018 to fiscal year 2021* using data collected through customer service requests and work orders for lateral-based WICs. Laterals are prioritized based on the number of Building Backup occurrences *during a rolling 3-year timeframe*.

Table B-1. List of Collection System Laterals for Repair or Replacement

ADDRESS	Building Backups	Recommendation
Cure in Place Pipe (CIPP)		
1305 MERIDENE DR	15	CIPP
601 WEST 38TH ST	10	CIPP
3635 GREENVALE RD	8	CIPP
4212 SHAMROCK AVE	8	CIPP
604 EAST 33RD ST	8	CIPP
4269 SHELDON AVE	7	CIPP
6 NORTH BENTALOU ST	7	CIPP
112 EAST PATAPSCO AVE	6	CIPP
3305 ABELL AVE	6	CIPP
1173 EAST NORTHERN PKWY	5	CIPP
1273 LIMIT AVE	5	CIPP
1338 WALKER AVE	4	CIPP
1413 MERIDENE DR	4	CIPP
1702 SPENCE ST	4	CIPP
507 EAST LAKE AVE	4	CIPP
1222 MERIDENE DR	3	CIPP
3409 GUILFORD TER	3	CIPP
5212 FREDCREST RD	3	CIPP
5709 NASCO PL	3	CIPP
6221 THE ALAMEDA	3	CIPP
1022 MARLAU DR	2	CIPP
1351 GITTINGS AVE	2	CIPP
1534 EAST BELVEDERE AVE	2	CIPP
1559 STONEWOOD RD	2	CIPP
2309 IVY AVE	2	CIPP
231 SOUTH LOUDON AVE	2	CIPP
2335 MONTEBELLO TER	2	CIPP
329 SAINT DUNSTANS RD	2	CIPP
3404 OLYMPIA AVE	2	CIPP
3843 RAVENWOOD AVE	2	CIPP
425 SOUTH WICKHAM RD	2	CIPP
442 SOUTH AUGUSTA AVE	2	CIPP
5503 CEDONIA AVE	2	CIPP
5535 BUCKNELL RD	2	CIPP

Open Cut Point Repair (OCPR)		
1007 NORTH IRIS AVE	13	OCPR
3304 BONNIE RD	12	OCPR
2205 WEST FAYETTE ST	11	OCPR
1100 WEST 36TH ST	8	OCPR
1824 EAST 29TH ST	7	OCPR
3407 CEDARDALE RD	7	OCPR
5524 HILLTOP AVE	7	OCPR
1709 EAST 33RD ST	6	OCPR
5102 HILLBURN AVE	6	OCPR
5210 SAINT ALBANS WAY	6	OCPR
1263 WALKER AVE	5	OCPR
127 WEST LEE ST	5	OCPR
307 EAST BELVEDERE AVE	5	OCPR
321 EAST 30TH ST	5	OCPR
3403 GLENMORE AVE	5	OCPR
5514 WHITWOOD RD	5	OCPR
726 EAST 36TH ST	5	OCPR
3216 NERAK RD	4	OCPR
441 SOUTH WICKHAM RD	4	OCPR
5507 SAINT ALBANS WAY	4	OCPR
616 WOODBOURNE AVE	4	OCPR
1107 NORTH WHEELER AVE	3	OCPR
1225 CEDARCROFT RD	3	OCPR
13 NORTH ELLWOOD AVE	3	OCPR
1314 GITTINGS AVE	3	OCPR
1353 STONEWOOD RD	3	OCPR
1500 EAST MADISON ST	3	OCPR
2305 MONTEBELLO TER	3	OCPR
2310 MONTEBELLO TER	3	OCPR
2312 MONTEBELLO TER	3	OCPR
2505 WEST FOREST PARK AVE	3	OCPR
2819 SANTA FE AVE	3	OCPR
3316 EGERTON RD	3	OCPR
3620 EDNOR RD	3	OCPR
4002 GREENSPRING AVE	3	OCPR
5623 SAGRA RD	3	OCPR
6043 ARIZONA AVE	3	OCPR
617 EAST 35TH ST	3	OCPR
6218 FALKIRK RD	3	OCPR
1102 CEDARCROFT RD	2	OCPR
1301 WALTERS AVE	2	OCPR
1322 STONEWOOD RD	2	OCPR

1406 WEBSTER ST	2	OCPR
1524 LESTER MORTON CT	2	OCPR
2412 WEST LEXINGTON ST	2	OCPR
2503 WEST FOREST PARK AVE	2	OCPR
3120 PRESBURY ST	2	OCPR
3406 HATTON RD	2	OCPR
5415 SAINT ALBANS WAY	2	OCPR
600 SOUTH HANOVER ST	2	OCPR
6218 WOODCREST AVE	2	OCPR
648 EAST 37TH ST	2	OCPR
7 SAINT MARTINS RD	2	OCPR
707 EAST 33RD ST	2	OCPR
823 EAST 33RD ST	2	OCPR
Root Control (RC)		
5420 TODD AVE	15	RC
1202 NORTH CALHOUN ST	12	RC
3029 MONDAWMIN AVE	11	RC
5501 CEDELLA AVE	11	RC
3136 NORTHWAY DR	9	RC
6611 HILLTOP AVE	9	RC
137 WEST HILL ST	8	RC
609 EAST 36TH ST	8	RC
6823 EVERALL AVE	8	RC
1204 WOODBOURNE AVE	7	RC
2933 MOSHER ST	7	RC
1625 MORELAND AVE	6	RC
329 YALE AVE	6	RC
4101 CHATHAM RD	6	RC
4501 PARKMONT AVE	6	RC
460 ROUNDVIEW RD	6	RC
806 WASHBURN AVE	6	RC
1709 INGRAM RD	5	RC
2111 MOUNT HOLLY ST	5	RC
3010 PRESBURY ST	5	RC
3404 WOODBINE AVE	5	RC
3728 RASPE AVE	5	RC
3810 COPLEY RD	5	RC
3911 GWYNN OAK AVE	5	RC
4508 HARCOURT RD	5	RC
4606 RENWICK AVE	5	RC
4818 RICHARD AVE	5	RC
1037 LENTON AVE	4	RC
1347 WALKER AVE	4	RC

1504 LOCHWOOD RD	4	RC
178 SOUTH COLLINS AVE	4	RC
1902 WEST FAIRMOUNT AVE	4	RC
2702 BOOKERT DR	4	RC
2823 INGLEWOOD AVE	4	RC
3209 BEVERLY RD	4	RC
321 SOUTH AUGUSTA AVE	4	RC
3381 SAINT BENEDICT ST	4	RC
3612 KEENE AVE	4	RC
4115 WESTVIEW RD	4	RC
4502 FERNHILL AVE	4	RC
4631 HARCOURT RD	4	RC
5003 HILLEN RD	4	RC
5203 FREDCREST RD	4	RC
5903 AYLESHERE RD	4	RC
5917 SEFTON AVE	4	RC
6501 MOYER AVE	4	RC
102 BELLEMORE RD	3	RC
1305 GLENWOOD AVE	3	RC
2627 CROSS COUNTRY BLVD	3	RC
3004 HANLON AVE	3	RC
3123 HANLON AVE	3	RC
3137 NORTHWAY DR	3	RC
3303 DEVONSHIRE DR	3	RC
3502 EDGEWOOD RD	3	RC
4113 ARDLEY AVE	3	RC
4211 CRAWFORD AVE	3	RC
4222 FERNHILL AVE	3	RC
4313 SHELDON AVE	3	RC
4315 GROVELAND AVE	3	RC
4900 PILGRIM RD	3	RC
5401 NORTH CHARLES ST	3	RC
5500 CADILLAC AVE	3	RC
5512 WOODMONT AVE	3	RC
603 SOMERSET RD	3	RC
6305 MAYFLOWER RD	3	RC
7103 BOXFORD RD	3	RC
112 SAINT DUNSTANS RD	2	RC
1235 EAST BELVEDERE AVE	2	RC
1245 CEDARCROFT RD	2	RC
1525 WADSWORTH WAY	2	RC
1531 WINSTON AVE	2	RC
1633 HEATHFIELD RD	2	RC

1716 HARTSDALE RD	2	RC
1728 WADSWORTH WAY	2	RC
1829 SWANSEA RD	2	RC
1919 HEATHFIELD RD	2	RC
2002 SWANSEA RD	2	RC
2006 SWANSEA RD	2	RC
2214 NORTH ROSEDALE ST	2	RC
222 TUNBRIDGE RD	2	RC
2401 WILLOW GLEN DR	2	RC
2570 MARBOURNE AVE	2	RC
2710 WOODLAND AVE	2	RC
2803 BOOKERT DR	2	RC
2902 GRINDON AVE	2	RC
2906 HARVIEW AVE	2	RC
2928 BERWICK AVE	2	RC
3119 MILFORD AVE	2	RC
3135 CHESLEY AVE	2	RC
327 MARYDELL RD	2	RC
3305 WOODRING AVE	2	RC
3514 FAIRVIEW AVE	2	RC
3813 MIDHEIGHTS RD	2	RC
4213 ANNTANA AVE	2	RC
4401 HARCOURT RD	2	RC
4408 KATHLAND AVE	2	RC
4417 GROVELAND AVE	2	RC
4615 WALTHER AVE	2	RC
526 ORKNEY RD	2	RC
5509 ANTHONY AVE	2	RC
5801 ARIZONA AVE	2	RC
5830 LEITH WALK	2	RC
617 CHARRAWAY RD	2	RC
667 QUEENSGATE RD	2	RC
6718 EVERALL AVE	2	RC
809 GLEN ALLEN DR	2	RC
906 HOMESTEAD ST	2	RC