



MEMORANDUM

TO: Stephanie Alimena, City of Somerville, Stormwater Program Manager
CC: Todd Prokop, Jennifer Miller – Woodard & Curran
Colin Brown – SDE
FROM: Garrett Bergey and Emily Nealon – Woodard & Curran
DATE: September 11, 2026
RE: Somerville IDDE Investigations – Permit Year 8 Catchment Inspection Memo

This memo summarizes the key findings of inspections and recommendations for Task 1, Illicit Discharge, Detection, and Elimination (IDDE) Investigation: Data Management and Reporting. Woodard & Curran, along with their subcontractor, Stacey DePasquale Engineering, Inc (SDE), organized and performed the inspections described in this report. The inspection results summarized in this report, unless otherwise noted, took place during MS4 Permit Year 8 (PY8) which covers the period between July 1, 2025 through June 30, 2026.

CATCHMENT 7

Catchment 7 has two areas with suspected illicit discharges that the City of Somerville (City) is focusing on resolving. The two locations are DMH 7-6377 (Broadway/Belknap Street) and DMH 7-5833 (Broadway/Weston Ave).

SMH A-61 at the intersection of Belknap Street and Broadway was thought to be contributing to the contamination by wastewater spilling over the weir or infiltration through old bricks. As part of the West Somerville Sewer and Storm Rehabilitation project, the manhole was replaced and the sanitary sewer on Belknap Street was rehabilitated. Post-construction sampling in September 2025 indicated contamination is still present in drainage segment 7-6378 : 7-6377, however there was still active construction in the area. Post-construction sampling will be repeated once ongoing gas line construction is complete.

CCTV inspections showed that the contamination at storm drain manhole 7-5833 near Weston Ave is attributed to defects in the sanitary sewer and storm sewer, which is likely leading to a high likelihood for exfiltration of wastewater out of the sanitary sewer and into the City's MS4 drainage system. It is recommended that the City rehabilitate the sanitary sewer and storm drain pipes on Weston Ave to prevent contamination from entering the drainage system. The Weston Ave sanitary sewer rehabilitation is on the City's CIP. Follow up confirmatory sampling will be completed after rehabilitation is complete.

CATCHMENT 10

Catchment 10 is located in West Somerville and includes Sterling Street and Gordon Street. During the West Somerville Sewer Rehabilitation project, suds were observed in the storm drain during a spot repair on Sterling Street. Suds are classified as visual evidence of sewage, which triggered additional catchment investigations. Multiple illicit connections identified on Sterling Street have been abated. However, follow up sampling in April 2025 confirmed there is an outstanding illicit connection. A dye test at 7-9 Sterling Street in July 2025 resulted in dye in both the sanitary sewer and storm sewer systems. The City issued a Notice of Violation and has been working with the property owner to enforce the abatement of the illicit connection.

CATCHMENT 11

Catchment 11 includes Woods Ave and Fairfax Street. SDE completed follow up inspections at 11-5502 on Fairfax Street in May 2025 to complete inspections at all key junction manholes. Based on the Fairfax Street sampling results, specifically the high value of surfactants and the presence of human bacteroides in pipe segment 11-5501 : 11-5502, there is likely an illicit connection in this area. Building inspections took place in PY8 at properties adjacent to this pipe segment. Additional building inspections are required to determine the source of the illicit connection. Dye testing is ongoing.

CATCHMENT 26

In September 2025, it was determined that there are two separate outfalls in this location. One is the City's Outfall 26 and there is a smaller private outfall for the boat launch. Outfall 26 was lacking a wet weather sample, so SDE completed wet weather screening in September 2025, including a field test kit, bacteria, and phosphorus. Outfall 26 did not meet the MS4 permit likely sewer indicator threshold and is categorized as Contamination Below MS4 Threshold. Mapping confirmation was also completed in Catchment 26 and the boundary between Catchment 26 and Catchment 28 were updated due to the archived pipe on Shore Drive.

CATCHMENT 28

Previous investigations in Catchment 28 showed significant structural defects in the sewer and storm pipes on Crest Hill Road which were leading to contamination in the storm drain, therefore the City completed sewer and storm pipe rehabilitation on Crest Hill Road and Shore Drive as part of the West Somerville Sewer and Storm Rehabilitation project. Construction was completed in summer of 2025 and post-construction sampling was completed during PY8 to ensure the problem has been resolved. Catchment 28 has been closed and investigations are complete.

CATCHMENT 29

Catchment 29 accepts drainage from MassDOT along Fellsway (State Route 28). In order to confirm that no additional coordination was necessary with MassDOT, SDE completed pipe inspections throughout the catchment in May 2025. On 7/28/2025, SDE identified an illicit connection at 218 Fellsway via dye testing. CCTV of the City's sanitary and storm sewer was completed along Fellsway and Shore Drive in October 2025 to evaluate City infrastructure. It was determined that the sewer pipe has large fractures and sections of broken pipe, which is

likely allowing sewage to exfiltrate into the storm drain. Sewer rehabilitation on Shore Drive has been added to the City's Capital Improvement Plan.

CATCHMENT 31

Follow-up investigations in Catchment 31 identified two illicit connections at commercial properties on Broadway, both of which have been abated. Rescreening completed in June 2026 detected human *Bacteroides*, indicating continued human-sourced contamination. In June 2026, SDE returned to rescreen 31-5012 and 31-6455 located at the intersection of Broadway and Rogers Ave. Human *Bacteroides* were detected, indicating the presence of human-sourced sewage. Investigations are underway to determine the source of the contamination, but it is suspected that contamination is originating on Rogers Ave.

CATCHMENT 32

Contamination has been discovered in numerous areas of Catchment 32, including Revolution Drive, Foley Street, Canal Street, and Grand Union Boulevard. Contamination in Catchment 32 remains focused around Canal Street as it is considered the highest-priority area within the catchment. Previous investigations showed visual evidence of sewage in an unmapped inlet to DMH 32-7000, which is located on Canal Street adjacent to 445 Artisan Way (a large retail/commercial/apartment complex). This is a suspected illicit connection from the apartment complex. In previous permit years, SDE has completed two rounds of dye tests at the AVA Apartments located at 445 Artisan Way, with at least two tests per vertical sanitary sewer stack. SDE has also completed dye tests at each commercial property at street level, under the AVA Apartment complex. The source of the contamination was not identified via the dye testing. In PY8, the City sent a letter to the AVA developers to mandate the property owner to abate the illicit connection using their own resources as the City has taken the investigations as far as possible. Field efforts will focus on this area before completing further inspections at other locations within Catchment 32.

ATTACHMENT A: PY8 INSPECTION TABLES

City of Somerville, MA

PY8 Storm Pipe Inspections

Survey Pipe Asset ID	Survey Inspection Date	Survey Street	Catchment ID	Survey Access Asset ID	Survey Flow Present	Survey Flow Depth (Inches)	Survey Standing Water Color	Survey Conductivity Test	Survey Specific Conductivity	Survey Field Ammonia Value	Survey Field Surfactants Value	Survey Field Chlorine Value	Survey Lab Surfactants Value	Pipe Sandbag Status	Survey Sandbag Placement	Survey Sandbag Check	Survey Illicit Discharge Status	Survey Lab Samples Status	Survey Inspection Comments	Total Bacteroides Value	Human Bacteroides Test
SW-CB-01777: S2-6280	2025-07-30 11:51:29	Shore Dr	29	S2-6280	No Flow Visible		N/A	Unknown						Sandbag Placed	2025-07-28 13:22:09	2025-07-30 11:50:52	Partial Inspection	No Lab Samples Collected			
8-5069: FIT-1318	2025-08-26 16:18:14	Cross County/Alexwife Brook Pkwy/North St	8	OF 8	Flow Visible	2	Unknown	Tested in Range	1306	0	0.25	0		Unknown			Positive Detection Below Permit Threshold	Lab Samples Collected		1480	Tested in Exceedance of Standard
7-6378: 7-6379	2025-09-15 14:18:06	Broadway	7	7-6379	Flow Visible	1		Tested in Range	1548	10	1	1.5		Sandbag Not Used			Suspected Illicit Discharge	No Lab Samples Collected			
7-6377: 7-6378	2025-09-15 14:51:16	Broadway	7	7-6378	Flow Visible	2		Tested in Range	1745	10	1	1.899999976		Sandbag Not Used			Suspected Illicit Discharge	No Lab Samples Collected			
28-5517: 28-5105	2025-09-15 18:23:00	Shore Dr	28	28-5105	No Flow Visible									Sandbag Not Used			Partial Inspection	No Lab Samples Collected	Pipe fully submerged.		
28-5105: FIT-1594	2025-09-15 18:24:35	Shore Dr	28	28	Flow Visible	1		Tested in Range	5010	3	0.25	0		Sandbag Not Used			Positive Detection Below Permit Threshold	No Lab Samples Collected			
28-5505: 28-5105	2025-09-16 10:17:34	Shore Dr	28	28-5105	Standing Water		Colorless										Standing Water	No Lab Samples Collected			
28-5551: 28-5105	2025-09-16 10:20:01	Shore Dr	28	28-5105	Standing Water		Colorless										Standing Water	No Lab Samples Collected			
7-6376: 7-6377	2025-09-17 16:54:14	Broadway	7	7-6377	No Flow Visible									Sandbag Removed	2025-09-15 14:47:45	2025-09-17 16:51:40	Partial Inspection	No Lab Samples Collected	Observed dry. SB. 9/17 construction using water observed. Runoff in pipes. Rebag in the future after 9/30. Insufficient flow behind sandbags		
7-6374: 7-6375	2025-09-17 16:56:01	Broadway	7	7-6375	No Flow Visible									Sandbag Removed	2025-09-15 13:22:22	2025-09-17 16:55:22	Partial Inspection	No Lab Samples Collected	9/17 construction using water observed. Runoff in pipes. return to bag after 9/30. Insufficient flow behind sandbag		
28-5553: 28-5551	2025-09-17 18:37:00	Shore Dr	28	28-5551	No Flow Visible									Sandbag Removed	2025-09-15 19:01:28	2025-09-17 18:36:25	Cleared	No Lab Samples Collected	Observed dry during sandbag pickup.		
28-5556: 28-5555	2025-09-17 18:38:03	Shore Dr	28	28-5555	No Flow Visible									Sandbag Removed	2025-09-15 18:55:43	2025-09-17 18:34:15	Cleared	No Lab Samples Collected	Observed dry during sandbag pickup.		
28-5550: 28-5551	2025-09-17 18:40:18	Shore Dr	28	28-5551	No Flow Visible									Sandbag Removed	2025-09-15 18:58:52	2025-09-17 18:39:47	Cleared	No Lab Samples Collected	Observed dry during sandbag pickup.		
28-5105: FIT-1594	2025-09-17 18:43:16	Shore Dr	28	28	Flow Visible	0.5		Tested in Range	3070	3	0.75	3.069999933	0.128999993				Positive Detection Below Permit Threshold	Lab Samples Collected	Lab samples for surfactants and total and human bacteroides taken. Bacteroides non detect		
31-6455: 31-5012	2026-06-10 14:00:25	Broadway	31	31-5012	Flow Visible	3	N/A	Tested in Range	3460	10	1	0.180000007	0.379999995	N/A			Suspected Illicit Discharge	Lab Results Entered	Human bacteroides = 1309 CEu/100mL and Total Bacteroides = 96624 CEu/100mL	90624	Tested in Exceedance of Standard
31-5999: 31-5004	2026-06-10 14:17:08	Boston Ave	31	31-5004	No Flow Visible		N/A	N/A						Sandbag Not Used			Not Inspected	No Lab Samples Collected	Pipe observed dry, but sandbag was not used.		
31-247: 31-5004	2026-06-10 14:21:05	Boston Ave	31	31-5004	No Flow Visible		N/A	N/A						Sandbag Not Used			Not Inspected	No Lab Samples Collected	Pipe observed dry, but sandbag was not used.		
31-6457: 31-6455	2026-06-10 18:27:03	Broadway	31	31-6455	No Flow Visible		N/A	N/A						Sandbag Not Used			Not Inspected	No Lab Samples Collected	Pipe observed dry, but sandbag was not used.		
31-5005: 31-6455	2026-06-22 12:55:49	Broadway	31	31-6455	Flow Visible	2	N/A	Tested in Range	2090	10	1.5	0.230000004	0.331999987	N/A			Suspected Illicit Discharge	Lab Results Entered	Human Bacteroides = 5.958 CEu/100mL and Total Bacteroides = 13,151,919 CEu/100mL	13151919	Tested in Exceedance of Standard
31-5004: 31-5005	2026-06-22 13:13:17	Broadway	31	31-5005	Flow Visible	2	N/A	Tested in Range	1147	10	2	0.270000011	0.356000006	N/A			Suspected Illicit Discharge	Lab Results Entered	Human Bacteroides = 191,486CEu/100mL and Total Bacteroides = 58,119,125 CEu/100mL	58,119,125	Tested in Exceedance of Standard
31-247: 31-5004	2026-06-30 10:15:28	Roger St	31	31-5004	No Flow Visible		N/A	N/A						Sandbag Fouled	2026-06-30 10:13:00	2026-07-02 16:10:59	Not Inspected	No Lab Samples Collected			
31-5999: 31-5004	2026-06-30 10:18:02	Roger St	31	31-5004	No Flow Visible		N/A	N/A						Sandbag Fouled	2026-06-30 10:17:00	2026-07-02 16:11:08	Not Inspected	No Lab Samples Collected			
31-5004: 31-5005	2026-06-30 17:40:03	Broadway	31	31-5005	Flow Visible	3	N/A	Unknown						Sandbag Not Used			Visual/Olfactory Evidence of Illicit Discharge	No Lab Samples Collected	Visual evidence observed while dye testing M-246 and M-293		

City of Somerville, MA

PY8 Storm Manhole Inspections

Survey Inspection Date	Survey Street	Survey Asset Type	Survey Asset ID	Survey Catchment ID	MH CB at Grade	High Outlet Status	Lovejoy Cover Status	Cover Condition	Frame Condition	Pavement Condition	Corbel Condition	Floor Condition	Inspection Comments	Last_Rainfall_Date	Accuracy_Notes
2025-07-28 13:26:46	Shore Dr	Drainage Manhole	52-6280	29	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-07-26 13:25:46	
2025-09-15 14:13:20	Broadway	Drainage Manhole	7-6379	7	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 14:11:57	
2025-09-15 14:14:07	Broadway	Drainage Manhole	7-6375	7	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 13:19:27	
2025-09-15 14:42:01	Broadway	Drainage Manhole	7-6377	7	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 14:42:18	
2025-09-15 14:43:02	Broadway	Drainage Manhole	7-6378	7	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 14:43:42	
2025-09-15 15:59:01	Shore Dr	Drainage Manhole	28-5551	28	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 15:59:35	
2025-09-15 18:08:04	Shore Dr	Drainage Manhole	28-5105	28	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 18:08:40	
2025-09-15 18:17:07	Shore Dr	Drainage Manhole	28-5555	28	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2025-09-08 18:17:29	
2025-09-16 18:38:01	Shore Dr	Unknown	29-6462	26	Unknown								Sewer dye test on S1-2383. Dye was first seen in drain manhole 29-6462, coming from pipe S2-6352 : 29-6462, after 40 minutes. Dye was then seen in sewer manhole S1-2452 50 minutes after the dye was sent. 75 gallons of water was sent before dye was seen.	2025-09-08 19:07:21	
2025-09-17 18:41:02	Crest Hill Rd	Drainage Manhole	28-5517	28	At Grade	N/A	N/A	Good	Good	Good	Good	Good	Unmapped SW pipe sandbagged 9/15/25. Sandbag picked up 9/17/25, observed dry during pickup.	2025-09-08 18:15:11	
2025-09-25 19:57:10	Shore Dr	Drainage Manhole	28-5510	28	At Grade	N/A	N/A	Good	Good	Good	Good	Good	Inspected to confirm geometry on 9/23	2025-09-18 19:55:50	MH does not appear to connect to 5221. A SW pipe exists, but sound testing to and from 5221 did not confirm connection. Not similar NE pipe observed in 5221.
2025-09-25 20:05:00	Shore Dr	Drainage Manhole	26-5521	26	At Grade	N/A	N/A	Good	Good	Good	Good	Good	Inspected on 9/23 to confirm connectivity to 26-5510. Did not sound test and NE inlet is much higher than SW pipe in 26-5510	2025-09-18 20:02:11	No NE inlet, does not appear to connect to 26-5510
2026-06-10 14:28:08	Broadway	Drainage Manhole	31-5012	31	At Grade	N/A	N/A	Good	Good	Good	Good	Not Visible		2026-05-31 14:26:00	
2026-06-10 14:30:00	Broadway	Drainage Manhole	31-6455	31	At Grade	N/A	N/A	Good	Good	N/A	Good	Not Visible		2026-05-31 14:30:00	
2026-06-10 14:47:02	Boston Ave	Drainage Manhole	31-5005	31	At Grade	N/A	N/A	Good	Good	Good	Good	Good		2026-05-31 14:47:00	
2026-06-10 14:51:02	Boston Ave	Drainage Manhole	31-5004	31	At Grade	N/A	Cover Off	Good	Good	Good	Good	Good		2026-05-31 14:51:00	
2026-06-30 17:25:44	Boston Ave	Drainage Manhole	31-5004	31	At Grade	N/A	Cover Off	Good	Good	Good	Good	Good		2026-06-23 12:37:30	Missing SW inlet, likely from nearby CB
2026-06-30 17:51:20	Boston Ave	Drainage Manhole	31-5005	31	At Grade	N/A	N/A	Good	Good	Good	Good	Good	Dye tested sewer manholes M-246 and M-393. Observed drain manholes 31-5005, 31-6544 and 31-5012 for two hours per test, no dye observed. Dye observed in sewer manholes M-248 & M-3140 ten minutes after dye was sent	2026-06-23 18:23:09	

City of Somerville, MA
PY8 Outfall Inspections

Survey Inspection Date	Survey Street	Survey Catchment ID	Survey Access Asset Type	Survey Inspection Comments	Survey Outdoor Air Temp F	Survey Wet or Dry Conditions	Survey Flow Color	Survey Flow Visual Turbidity	Survey Flow Intensity	Survey Flow Depth Inches	Survey Odor Type	Survey Field Ammonia Value	Survey Field Surfactants Value	Survey Field Chlorine Value	Survey Lab Surfactants Value	Survey E Coll Value	Survey Total Phosphorus Value
2025-09-25 20:40:22	Bailey Rd	26	Outfall	TSS = 7.0 mg/L	65	Wet Rain>0.1"	Colorless	Clear	Slow 0-0.5 ft/sec	7	No Odor Present	0.3	0.25	0.27	0	68670	0.094300002
2026-05-27 17:13:12	Pearson Rd	31	Manhole		68	Dry Rain <0.1"	Colorless	Clear	Slow 0-0.5 ft/sec	24	Musty	3	0.5	0.02	N/A	4611	N/A

City of Somerville, MA
PY8 Catch Basin Inspections

Survey Inspection Date	Survey Street	Survey Asset ID	Survey Catchment ID	MH CB at Grade	Cover Condition	Frame Condition	Pavement Condition	Corbel Condition	Floor_Condition	Last_Rainfall_Date
2025-09-25 20:08:00	Shore Dr	SW-CB-00549	26	At Grade	Good	Good	Good	Good	Not Visible	2025-09-25 20:07:27

City of Somerville, MA PY8 Building Inspections

Survey Inspection Date	Building Address	Building Type	Tested Fixture Type	Plumbing Fixture Tested Floor Level	Test Results	Inspection Notes	Catchment_ID
7/2/2025	62 Fairfax St	1-Family Residential	Sink	Basement	Legal	Access to discharge piping. Audibly confirmed upstairs toilets, kitchen sink and basement sink connect by flushing toilets/running water	11
7/2/2025	62 Fairfax St	1-Family Residential	Washing Machine	Basement	Legal	Basement partially finished. Unable to confirm connection of washing machine, but likely connects to main discharge piping	11
7/7/2025	79-81 Fairfax St	2-Family Residential	Toilet	1st Floor	Legal	one main stack into floor plus washer and sink connect then go into floor right next to main stack	11
7/7/2025	60 Fairfax St	Apartments	Washing Machine	Basement	Legal	one main stack in cutout of floor can be seen exiting front wall. Washer discharge into wall can't see if connects. one door locked in basement	11
7/7/2025	60 Fairfax St	Apartments	Toilet	1st Floor	Legal	one stack out wall (in cut out in floor)	11
7/7/2025	63 Fairfax St	Apartments	Washing Machine	Basement	Legal		11
7/7/2025	21 Sterling St	2-Family Residential	Toilet	2nd Floor	Legal	Pipe connectivity of building unclear.	10
7/7/2025	21 Sterling St	2-Family Residential	Washing Machine	Basement	Legal	Pipe connectivity of building unclear.	10
7/7/2025	7-9 Sterling St	2-Family Residential	Toilet	2nd Floor	Dye in SMH and DMH	all fixtures appear to connect to one stack into floor, also two old downspout to foundation pipes into floor separately, and completed additional tests to be thorough. This address previously tested legal.	10
7/7/2025	21 Sterling St	2-Family Residential	Sink	2nd Floor	Legal	Pipe connectivity of building unclear.	10
7/9/2025	461 Artisan Way	Retail/Commercial	Toilet	1st Floor	Legal	Muse paint studio tested. The bathroom toilet, dish sink, handwash sink, and paint sink were tested. Three tests were legal, but dye from the dish sink was not observed in the sewer or drain after one hour of testing. the sink likely connects to a grease trap that was observed in the kitchen.	
7/10/2025	253 Alewife Brook Pkwy	2-Family Residential	Washing Machine	Basement	Legal	Partially finished basement. One stack visible going into ground. Two washing machines connected to a separate individual discharge pipe going into ground. One fully finished bathroom in the basement and a kitchen sink. Dye for basement bathroom toilet took 3 mins to get to sewer.	11
7/10/2025	253 Alewife Brook Pkwy	2-Family Residential	Toilet	1st Floor	Legal	Partially finished basement. One stack visible going into ground. Two washing machines connected to a separate individual discharge pipe going into ground. One fully finished bathroom in the basement and a kitchen sink. Dye for basement bathroom toilet took 4 mins to get to sewer.	11
7/10/2025	253 Alewife Brook Pkwy	2-Family Residential	Sink	Basement	Legal	Partially finished basement. One stack visible going into ground. Two washing machines connected to a separate individual discharge pipe going into ground. One fully finished bathroom in the basement and a kitchen sink. Dye for basement bathroom toilet took 4 mins to get to sewer.	11
7/10/2025	253 Alewife Brook Pkwy	2-Family Residential	Toilet	Basement	Legal	Partially finished basement. One stack visible going into ground. Two washing machines connected to a separate individual discharge pipe going into ground. One fully finished bathroom in the basement and a kitchen sink. Dye for basement bathroom toilet took 4 mins to get to sewer.	11
7/16/2025	10 Sterling St	2-Family Residential	Toilet	1st Floor	Legal	One sanitary stack in the basement. Two stacks from capped downspouts into foundation, with an open pipe from an old sink connecting to one of the drain stacks.	10

City of Somerville, MA PY8 Building Inspections

Survey Inspection Date	Building Address	Building Type	Tested Fixture Type	Plumbing Fixture Tested Floor Level	Test Results	Inspection Notes	Catchment_ID
7/16/2025	10 Sterling St	2-Family Residential	N/A	Basement	No Dye Observed	One sanitary stack in the basement. Two drain stacks from unused downspouts to foundation. One drain stack has an open pipe going into it from an old sink that is no longer connected. Attempted to test this pipe, but water would not drain. No dye was observed at either the drain or the sewer.	10
7/16/2025	445 Artisan Way	Retail/Commercial	Sink	1st Floor	Legal		
7/16/2025	445 Artisan Way	Retail/Commercial	Sink	1st Floor	No Dye Observed	Muse paint studio tested. The bathroom toilet, dish sink, handwash sink, and paint sink were tested. Three tests were legal, but dye from the dish sink was not observed in the sewer or drain after one hour of testing. the sink likely connects to a grease trap that was observed in the kitchen.	
7/16/2025	7-9 Sterling St	2-Family Residential	Sink	1st Floor	Dye in SMH and DMH	Believed to be a retest of the initial test completed here	10
7/16/2025	445 Artisan Way	Retail/Commercial	Sink	1st Floor	Legal	Muse paint studio tested. The bathroom toilet, dish sink, handwash sink, and paint sink were tested. Three tests were legal, but dye from the dish sink was not observed in the sewer or drain after one hour of testing. the sink likely connects to a grease trap that was observed in the kitchen.	
7/16/2025	7-9 Sterling St	2-Family Residential	Sink	Basement	Dye in SMH and DMH		10
7/16/2025	21 Sterling St	2-Family Residential	Toilet	1st Floor	Legal	Pipe connectivity of building unclear.	10
7/16/2025	63 Fairfax St	Apartments	Toilet	1st Floor	Legal	Partially finished basement, but one stack identified that receives sewage for upstairs structures. Cannot determine connectivity of two basement washing machines. Only able to test one of them due to angle of the washing machine drain	11
7/16/2025	79-81 Fairfax St	2-Family Residential	Sink	1st Floor	Legal		11
7/16/2025	79-81 Fairfax St	2-Family Residential	Sink	Basement	Legal		11
7/17/2025	27 Woods Ave	2-Family Residential	Toilet	1st Floor	Legal	One stack in the basement. No basement fixtures. Tested a first floor sink, with dye appearing in the sewer within 1 minute.	11
7/21/2025	24-26 Woods Ave	2-Family Residential	Toilet	2nd Floor	Legal	Accessed by resident of 26 Woods Ave. One main stack. Basement sink exits into ground but appears to connect to main stack. Dye seen in sewer after 3 minutes, no dye seen in drain after 40 minutes.	11
7/21/2025	19 Woods Ave	2-Family Residential	Sink	Basement	Legal	Two stacks. Washer and utility sink tie in to the same stack. Basement bathroom fixtures enter wall. Toilets stacked above main sewer stack.	11
7/21/2025	19 Woods Ave	2-Family Residential	Toilet	1st Floor	Legal	Two stacks. Washer and utility sink tie in to the same stack. Basement bathroom fixtures enter wall. Toilets stacked above main sewer stack.	11
7/21/2025	24-26 Woods Ave	2-Family Residential	Sink	Basement	Legal	Accessed by resident of 26 Woods Ave. One main stack. Basement sink exits into ground but appears to connect to main stack. Dye seen in sewer after 2 minutes, no dye seen in drain after 40 minutes.	11
7/21/2025	19 Woods Ave	2-Family Residential	Sink	Basement	Legal	Two stacks. Washer and utility sink tie in to the same stack. Basement bathroom fixtures enter wall. Toilets stacked above main sewer stack.	11
7/21/2025	18 Woods Ave	2-Family Residential	Toilet	2nd Floor	Legal	Single stack observed in the basement. A second floor toilet tested legal.	11
7/22/2025	222 Fellsway	2-Family Residential	Toilet	1st Floor	Legal	No basement. Washing machine flush to wall that was shared with bathroom, unable to test washing machine. Bathroom tested legal. Second floor sink tested legal. One stack visible under the sink in the garage.	29
7/22/2025	222 Fellsway	2-Family Residential	Sink	2nd Floor	Legal	No basement. Washing machine flush to wall that was shared with bathroom, unable to test washing machine. Bathroom tested legal. Second floor sink tested legal. One stack visible under the sink in the garage.	29
7/24/2025	147 Shore Dr	2-Family Residential	Washing Machine	Basement	Legal	partially finished basement with one visible stack. washing machine and basement toilet tested, first floor kitchen sink tested as well, all legal.	29

City of Somerville, MA
PY8 Building Inspections

Survey Inspection Date	Building Address	Building Type	Tested Fixture Type	Plumbing Fixture Tested Floor Level	Test Results	Inspection Notes	Catchment_ID
7/24/2025	147 Shore Dr	2-Family Residential	Toilet	Basement	Legal	partially finished basement with one visible stack. washing machine and basement toilet tested, first floor kitchen sink tested as well, all legal.	29
7/24/2025	149 Shore Dr	2-Family Residential	Sink	1st Floor	Legal	finished basement, no stacks visible. all fixtures in the unit stacked along the side walls. both sides were tested, first floor kitchen and basement laundry sink. both tests were legal.	29
7/24/2025	149 Shore Dr	2-Family Residential	Sink	Basement	Legal	finished basement, no stacks visible. all fixtures in the unit stacked along the side walls. both sides were tested, first floor kitchen and basement laundry sink. both tests were legal.	29
7/28/2025	218 Fellsway	2-Family Residential	Toilet	Basement	Dye in SMH and DMH	Dye was seen in the sewer 16 minutes after being sent. Dye was seen in the drain 33 minutes being sent. Clara met me at the door for the appointment, but a man showed me to the basement. Many sanitary stacks go into the ground, but one discharge point visible under the slab. Field crew was refused access to additional fixtures.	29
7/29/2025	23 Woods Ave	Unknown	Sink	Basement	Legal	single stack tested through basement sink with visible connection to 2 separate washing machines.	11
8/26/2025	22 Sterling St	2-Family Residential	Sink	Basement	Legal	Two washing machines and two basement sinks connect to a sewer stack which goes into the basement floor. An additional basement sink connects to a second sewer stack which appears to be the main sewer stack. This stack enters the basement floor and appears to run towards the other stack. DS to foundation enter the basement through the wall and then go through the basement floor. Dye seen in sewer in 7 minutes. Dye not seen in drain after 42 minutes.	10
8/26/2025	22 Sterling St	2-Family Residential	Sink	Basement	Legal	Two washing machines and two basement sinks connect to a sewer stack which goes into the basement floor. An additional basement sink connects to a second sewer stack which appears to be the main sewer stack. This stack enters the basement floor and appears to run towards the other stack. DS to foundation enter the basement through the wall and then go through the basement floor. Dye seen in sewer in 5 minutes. Dye not seen in drain after 35 minutes.	10
9/2/2025	73 Fairfax St	2-Family Residential	Sink	Basement	Legal		
11/10/2025	22 Woods Ave	2-Family Residential	Sink	Basement	Legal	Basement laundry sink tested. Washing machine drains into laundry sink. One stack.	11
11/10/2025	22 Woods Ave	2-Family Residential	Toilet	2nd Floor	Legal	2nd floor toilet tested. Washing machine drains into laundry sink. One stack.	11
6/10/2026	61 Fairfax St	2-Family Residential	Toilet	2nd Floor	Legal	All basement fixtures connect. One stack for entire unit discharges under the ground	11