

# Memorandum

**To:** Cambria Ung, P.E., Stormwater Program Manager, Cambridge DPW

**Fr:** Colin Brown (SDE) and Jen Zoppo (Stantec)

**Re:** Illicit Discharge Detection and Elimination Investigation Progress - Permit Year 7

**Dt:** June 20<sup>th</sup>, 2025

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This memo summarizes the progress made on the IDDE catchment investigations during the Year 7 reporting period of July 1, 2024, through June 30, 2025. Catchment investigations continued during Permit Year 7 based on the City's priority ranking:

- Two (2) MS4 catchment investigations commenced and were completed during Permit Year 7 (D33A and D52\_1)
- Thirteen (13) MS4 catchment investigations are ongoing from prior years (D07, D08, D09, D15, D19, D21, D27, D30, D31, D33, D36, D38, and D46)
- Eight (8) more MS4 catchment investigations commenced during Year 7 and are ongoing (D02, D03C, D13, D16, D28, D34, D40, and D52\_2).

The sections below summarize the progress of catchment field investigations during Permit Year 7, including dry weather junction manhole inspections, dye testing, CCTV, and dry and wet weather screening. The following bullets summarize other efforts made by the City to facilitate the IDDE program.

- Leaking Laterals: During Permit Year 7, the City successfully implemented its researched strategy for lining sanitary laterals and eliminated one (1) illicit discharge caused by a leaking lateral. The lateral was lined by a City Contractor from the building cleanout using a UV-cured liner. The post-lining dye test confirmed the lateral is no longer leaking into the drain. The City plans to continue implementing this lateral lining approach in future permit years to eliminate illicit discharges confirmed to be caused by leaking laterals.
- Submerged Drains/Standing Water: During Permit Year 7, the City moved forward with its initiative to plug drains and pump out extensive standing water in areas where traditional IDDE has been inhibited. Submerged drains have significantly impeded the progress of IDDE catchment investigations in several areas currently under investigation. A Standard Operating Procedure (SOP) was drafted and the City initially identified three catchments to pilot this approach, including D19, D28, and D46. As the City worked through the development of the SOP for the pilot, both D46 and D28 were eliminated from the list of candidates. It

was determined that D46 was not going to be cost-effective compared to dye testing. For D28, SDE re-checked drains to confirm standing water extent prior to pumping and found differing conditions that led to most of the catchment being cleared by manhole inspections. Catchment D19 presented its own unique challenges which will push it into Permit Year 8 (larger than anticipated volume of water, long lead time for manufacture of plugs for the drain size, and nearby school combined with one-way roads limiting plug install options).

- Certified Letters for Access to Perform Dye Tests: The City and Stantec developed and sent letters via certified mail to homeowners not responding to SDE's dye test attempts at the end of Permit Year 6. Stantec and the City continued to send certified letters to building owners in D15, D16, D21 and D34 throughout Permit Year 7, increasing SDE's dye test entry rate. A "violation" letter was also developed during Permit Year 7 to be used when the first certified letter is not successful. The violation letters includes stronger language and mention of potential enforcement actions. Violation letters were mailed to five (5) building owners during Permit Year 7.
- Phase II Map: The City and Stantec updated catchment boundaries during Permit Year 7 as follows:
  - Added sub-areas for interconnections between catchments D10/D11/D12/D16,
  - Updated catchments around Jerrys Pond, including D52\_1, D52\_2, D52\_3, D52\_4, and D52\_5,
  - Updated catchments around Fresh Pond including D33 and D34 based on detailed review of topography,
  - Updated boundaries for D08 and D09 (MIT area) based on detailed records review, and
  - Updated catchment boundaries based on development projects: D03C, D40, D55.
  - Resolved overlaps with DCR-MS4 areas throughout the City,
  - Re-categorized one outfall (D23) as an outgoing interconnection to DCR's MS4 system, based on discussions with DCR.

## **COMPLETE CATCHMENT INVESTIGATIONS - MS4:**

The following catchment investigations were determined to be complete by the end of Permit Year 7: D33A Blanchard Rd and D52OF0110.

### **D33A Blanchard Rd Drainage Area**

Dry weather manhole inspections commenced and were completed during Permit Year 7. No evidence of illicit contamination was discovered. SDE completed dry weather outfall screening on September 17, 2024, and the outfall was observed dry. SDE completed wet weather outfall screening on 1/6/2025 and 5/23/2025. Positive test kits were cleared by lab sampling, and the catchment is considered complete.

- Samples for certain POCs were erroneously omitted during the initial wet weather outfall screening, necessitating a second screening later in the Permit Year.
- See Appendix A for the details on the wet and dry weather outfall screening.

#### **D52 1 Drainage Area**

This catchment is small, and one dry weather manhole inspection was completed during Permit Year 7. A dry weather outfall inspection was completed on May 12, 2025, and the outfall was observed to be dry (no flow). SDE completed a wet weather outfall screening on 5/23/2025. Sampling results did not meet likely sewer input indicators; therefore, the catchment investigation is considered complete.

- See Appendix A for the details on wet and dry weather screening.

### **ONGOING CATCHMENT INVESTIGATIONS - MS4:**

#### **D02 - Lechmere Canal Drainage Area**

IDDE investigations commenced during Permit Year 7. Dry weather manhole inspections revealed extensive standing water at the downstream end of this catchment largely caused by the flat terrain near the Lechmere Canal. A large volume of flow originating from a basement sump pump of 39 Sixth St was observed upstream and sampled in D02DMH0085 (E), D02DMH0080 (NE), D02DMH0070 (NW), D02DMH0060 (N). The pipes had positive test kits but were cleared by lab sampling. D02DMH0050 (NW) had positive test kits and lab samples confirmed contamination. Subsequent manhole inspections identified backflow in D02DMH0050 (NW), and it was determined the initial lab sampling was taken from standing water. Thus, the data should be disregarded. Nonetheless, building dye tests will be prioritized around D02DMH0050 (NW) in Permit Year 8 due to standing water.

This catchment area is not a candidate for the plug and pump protocol because of the volume of flow entering the system. Buildings were identified for dye testing based on their proximity to the standing water observed and building dye tests were subsequently conducted. All building dye test results were legal, except for two inconclusive tests at 95 First St where dye was seen in neither the sanitary sewer nor the storm drain. Two mainline sewers are present in the road and only one was observed, necessitating the need for a retest. It should be noted that a Taco Bell kitchen slop sink and washing station were tested, and these fixtures often drain to oil and grease separators, reducing the efficacy of the dye tests. A certified letter was mailed to the homeowner of 103 Seventh St on 3/25/2025 because they refused entry to SDE while performing building inspections. Additional manhole inspections and building dye tests will be prioritized in Permit Year 8.

- See Appendix B for the list of manholes inspected with standing water, positive test kits and dry sandbags.
- See Appendix C for the list of buildings tested.



354 Merrimack Street, Suite 200  
Lawrence, MA 01843-1755  
p| 978.975.0500  
e| info@sde-inc.com  
sde-inc.com

#### **D03C - North Point Drainage Area**

IDDE investigations commenced toward the end of Permit Year 7. Manhole inspections identified a small extent of standing water at the upstream end of the catchment area and pipes with positive test kits, which were cleared by lab samples, further downstream. Additional manhole inspections will occur in Permit Year 8, and building dye tests will be conducted as necessary.

- See Appendix D for the list of manholes inspected with standing water and positive test kits cleared by lab analysis.

#### **D07 - Broad Canal Drainage Area**

No manhole inspections or building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

The City continued coordination with a developer related to a leaking sewer lateral at 55 Broadway that was identified during Permit Year 4. In Permit Year 6, the developer confirmed the building is vacant and slated for demolition. During Permit Year 7 the building was demolished. The City is awaiting confirmation from the developer that the leaking lateral was cut and capped as part of demolition.

The City and its contractors reassessed the IDDE investigations already completed during prior permit years and plan to reinspect upstream manholes during Permit Year 8. Manhole inspections previously identified significant standing water in the upstream end of this catchment area and thus it is a potential candidate for the City's plug and pump program. Manhole inspections and follow-up dye tests will be prioritized during Permit Year 8.

#### **D08- Massachusetts Avenue @ Memorial Drive Drainage Area**

No manhole inspections were performed in this area by SDE between July 1, 2024, through June 30, 2025.

Dry weather manhole inspections in Permit Year 6 identified a significant extent of standing water largely caused by flat terrain and the water level of the receiving waterbody. A few buildings in an upstream residential area were dye tested during Permit Year 7, all of which were legal. The limitations of the plug and pump program are not fully known, and it is unclear if this catchment will be suitable given the dimensions of the mainlines. The City will continue to implement its plug and pump program in Permit Year 8 and determine its efficacy in this catchment area. Potential reinspection of submerged manholes and dye testing may take place in this catchment area during Permit Year 8.

- See Appendix E for the list of buildings inspected.

#### **D09 - Danforth St Drainage Area**

No manhole inspections or building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

Manhole inspections during Permit Year 6 identified extensive standing water and thus is on the list of catchments to plug the drains and pump out extensive standing water. Ownership of storm drain infrastructure was reviewed during Permit Year 7, as some pipes are owned by MIT. The catchment boundary was updated accordingly.

### **D13 - MOB Highway Drainage Area**

IDDE investigations commenced during Permit Year 7. Dry weather manhole inspections identified standing water at the downstream end of the catchment, and one two-inch PCV pipe, D13DMH0240 (NW), was observed flowing and sampled. The test kit values were high, but the pipe was cleared by lab sampling. Biotic material was observed in the pipe, likely causing higher ammonia values. Buildings were identified for dye testing based on their proximity to the standing water observed and will be prioritized in Permit Year 8.

- See Appendix F for details of sampling and standing water findings.

### **D15 - Pearl St Drainage Area**

IDDE investigations commenced toward the end of Permit Year 6 and were completed during Permit Year 7. During Permit Year 6, manhole inspections identified standing water in upstream ends of the catchment due to pipe geometry and excessive sedimentation. The City cleaned the pipes and SDE reinspected these pipes. The subsequent manhole inspections identified dry pipes and were cleared by sandbagging. One pipe was still observed with standing water and additional manhole inspections downstream identified more standing water. Buildings in the proximity of these manholes were identified for dye testing. Building dye tests were conducted throughout Permit Year 7, and Stantec sent certified letters to homeowners who were unresponsive to SDE's initial efforts to perform building inspections on May 15, 2025.

D15DMH1070 was not located during Permit Year 6 manhole inspections but was located at the end of Permit Year 7. Flow was sampled with positive test kit values. Dye testing was conducted throughout Permit Year 7. All results were legal and additional building dye tests will be prioritized in Permit Year 8.

- Appendix G contains a list of manholes inspected with standing water, flowing lines and dry sandbags.
- Appendix H contains a list of buildings tested.

### **D16 - Pleasant St Drainage Area**

Dry weather manhole inspections commenced during Permit Year 7. Manhole inspections identified standing water in upstream manholes, and D16DMH1050 (NW) was observed flowing and lab samples were collected. Lab data indicated the presence of an illicit connection. Buildings were identified for dye testing based on their proximity to the contaminated pipe. Building inspections were conducted throughout Permit Year 7 but no illicit discharges have been identified. Stantec sent certified letters on October 17, 2024, to homeowners who were unresponsive to SDE's initial efforts to perform building inspections. All adjacent buildings were dye tested, and additional lab samples were

collected for Total and Human Bacteroides to confirm contamination in this segment of pipe. The lab samples again confirmed the likelihood of an illicit connection.

CCTV footage taken prior to Permit Year 7 identified a steady drip from a storm drain lateral originating in the direction of 10 Laurel St. SDE dye tested each toilet in the building in November 2024 to confirm none are plumbed to the roof drain and all dye tests were legal. The drain was cleaned, and both the drain and the sewer were televised. No infrastructure issues were observed. SDE conducted a building dye test on May 2, 2025, concurrent with the CCTV of the storm drain mainlines and building sanitary sewer lateral to pinpoint potential infiltration. No infiltration was observed. SDE conducted another dye test during a rain event on May 22, 2025, concurrent with CCTV of the storm drain mainline and the building sanitary sewer lateral to confirm no infiltration occurs during rain events. The dye test was legal.

An upstream catch basin on River St was observed with standing water in the outlet. The City will disconnect the catch basin from the storm drain on Laurel St in Permit Year 8. Follow up manhole inspections at D16DMH1050 (NW) will be completed during Permit Year 8 after the construction is completed. Additional manhole inspections and subsequent building dye tests will be prioritized during Permit Year 8.

- See Appendix I for the list of buildings tested.
- See Appendix J for the list of manholes inspected with standing water, flowing lines and dry sandbags.

#### **D19 - Flagg St Drainage Area**

No building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

Dry weather manhole inspections during previous permit years identified extensive standing water, largely caused by terrain and the water level of the receiving water body. The City marked the area as a candidate for the plug and pump program. The City and SDE periodically checked the water level in the drains throughout Permit Year 7 to determine the extent and volume of standing water needed to be pumped out. The extent of water remained consistent and even increased upstream, but D19DMH1005 was observed with flow towards the end of the Permit Year 7, and lab results (*e.coli* 1400, ammonia 1.70 mg/L, surfactants 0.130 mg/L) confirmed low levels of contamination.

The City will continue to move forward with the plug/pump pilot for this catchment during Permit Year 8.

- See Appendix K for the list of manholes inspected.

#### **D21 - DeWolfe St Drainage Area**

The City followed up on three (3) buildings that were identified as potential internal illicit connections during prior Permit years. Please reference Progress Report Year 6 for



further information on these addresses. One (1) of the buildings required additional follow-up, and updates are as follows:

- 64 Highland Ave: The City coordinated with the residents to make the appropriate plumbing repairs required to eliminate the internal illicit connection. SDE returned after the illicit was eliminated and performed two (2) post-correction dye tests on 9/5/2024. The tests confirmed the previously illicit discharge stack had been corrected. Dry weather manhole inspections were completed downstream on 10/22/2024 and the pipe was cleared of contamination (dry sandbag).

Manhole inspections from Permit Year 6 identified standing water with possible visual evidence in an upstream end of the catchment area, and SDE conducted follow-up building dye tests in Permit Year 7. SDE observed dry conditions in the same manholes while conducting building dye tests and reinspected these manholes. Most pipes were cleared (dry sandbag), and one had positive test kit results and was confirmed with lab sampling. The City sent certified letters on October 23, 2024, and March 18, 2025, and May 15, 2025, to homeowners who were unresponsive to SDE's efforts to perform building inspections. SDE performed building dye tests throughout Permit Year 7, and two (2) buildings require further testing, which will be prioritized in Permit Year 8.

The results of all other dye tests conducted during Year 6 were legal.

- See Appendix L for the list of buildings tested.
- See Appendix M for the list of manholes inspected with standing water, flowing lines and dry sandbags.

#### **D27 - University Rd Drainage Area**

No building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

SDE commenced building inspections during Permit Year 7. All dye tests were legal, and additional building dye tests will be prioritized during Permit Year 8.

- See Appendix N for the list of buildings tested.

#### **D28 - Brewer St Drainage Area**

No building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

Extensive standing water in this catchment had been identified during prior Permit Years and is largely caused by terrain and the water level of the receiving waterbody. The catchment area is small and the City reserved it as the pilot for the plug and pump program. The City coordinated with its contractors to acquire the necessary plugs and developed an SOP for this work. The City also coordinated with DCR to obtain a permit to access manholes in their right of way. SDE periodically checked the water level in the drains during Year 7 to determine the extent and volume of water needed to be pumped out.

During inspections on March 13, 2025, SDE observed a high volume of flowing water in the upstream end of the catchment area. The flow was sampled, and test kits were clean, but revealed high chlorine values. Lab samples were also clean. The City inspected upstream of the flow and discovered and repaired a water main break. SDE returned to reinspect the manholes. Most were cleared by sandbagging, but one was identified with standing water. Buildings were identified for dye testing based on their proximity to the standing water and will be prioritized during Permit Year 8.

The City determined this area is no longer suitable for the plug and pump protocol and moved forward using D19 Flagg St as the pilot catchment area instead.

- See Appendix O for the list of manholes inspected with standing water, flowing lines and dry sandbags.

#### **D30 - Willard St Drainage Area**

No manhole inspections were conducted in this area by SDE between July 1, 2024, through June 30, 2025.

The construction ongoing during Permit Year 6 was concluded and building inspections briefly resumed during Permit Year 7. SDE conducted three (3) legal building tests. The City re-evaluated the need for building inspections after completing the drain rehabilitation. No illicit connections were identified during the construction and the City determined no further building dye tests are required at this time. SDE conducted a dry weather outfall inspection on December 4, 2024. The outfall and downstream pipe segments are submerged therefore screening took place at an upstream location which was dry (no flow). A wet weather outfall inspection is needed to close out this catchment area.

- See Appendix A for the details on dry weather outfall inspections.
- See Appendix P for the details on the dry weather investigations.
- See Appendix Q for the list of buildings tested.

#### **D31 - Sparks St Drainage Area**

No manhole inspections were completed by SDE between July 1, 2024, through June 30, 2025.

Three (3) potential illicit connections identified during prior Permit years were pursued during Year 7 as follows:

- 3 Gray Gardens West: Stantec sent a certified letter to the homeowner on April 30, 2025, and the City reinitiated the effort to line this lateral. Rapid Flow televised the lateral on 6/9/2025 from the cleanout and observed it to be failing, with most sewage leaking into the soil. Rapid Flow then installed a new cleanout and completed sewer lateral lining 6/13/2025. Post correction dye tests resulted in dye observed in both the drain and the sewer. It was discovered that the internal plumbing under the basement slab connecting to the new lateral is in



poor shape and needs to be repaired as well. It is also possible that there are infrastructure defects in the road that are contributing to contamination.

- Healey St: During Permit Year 6 the City continued planning and coordination efforts with its remedial Contractor to complete test pits along Healy St sewer main to determine the cause of bulges observed in the sewer that was re-laid with PVC in FY2015. This is the next step required to address the sewer infrastructure defects and is anticipated to occur during Permit Year 8.
- 2 Hemlock St: During Permit Year 6 the City continued planning and coordination efforts with its remedial Contractor to rehab the sewer main (and line the sewer lateral for 2 Hemlock St if defects are identified). This work is anticipated to occur during Permit Year 8.

After rehab on Healy and Hemlock is complete, SDE will perform follow up dye testing and manhole inspections to confirm the illicit discharges were eliminated. Additional planning and coordination with the homeowner will be required to eliminate the illicit discharge at 3 Gray Gardens West and follow up manhole inspections, building and sewer dye tests will be prioritized in Permit Year 8. Subsequent manhole inspections will also confirm the potential illicit connection revealed by CCTV footage at 91 Garden St.

- See Appendix R for the list of the building dye tests.

### **D33 - Blanchard Rd Drainage Area**

No dry weather manhole inspections and no building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

During Permit Year 4, 18 Corcoran Ln was identified as a potential leaking sewer lateral tied directly to a sewer manhole. Dye was not seen in the drain during the 18 Corcoran dye test but was observed leaking into the sewer manhole (not thru invert). There is development work ongoing in this area which impacts the sewer and drain systems. Follow-up manhole inspections will be conducted following the completion of the development work to confirm if the issue has been resolved.

### **D34 - Normandy Ave Drainage Area**

IDDE investigations commenced during Permit Year 7. Dry weather manhole inspections identified significant extents of standing water, flowing lines with positive test kit hits cleared by lab samples, and flowing lines with positive test kits confirmed by lab sampling. Buildings were identified for dye testing based on their proximity to pipes with contaminated flow and standing water. Four (4) buildings were identified as potential illicit connections and were pursued as follows:

- 42 Sunset Rd: An initial building dye test on December 2, 2024, revealed dye in the sewer and in the storm drain. Dye was seen in the sewer first, and with greater intensity. SDE conducted additional dye tests between December and March, concurrent with CCTV of the mainlines and building laterals to pinpoint plumbing issues. Thus, it was confirmed that there are no direct illicit connections, but the sewer lateral is leaking. On March 28, 2025, the sewer

lateral was lined, and a building dye test was conducted with dye observed in the sewer only. A follow-up manhole inspection was completed, identifying positive test kit values confirmed by lab sampling. Additional building tests and subsequent manhole inspections are required and will be prioritized in Permit Year 8.

- 27 Normandy Terrace: An initial building dye test was completed on October 9, 2024. Dye was only seen in the storm drain, but it was unclear if this was the result of a direct illicit connection, severely damaged lateral or infrastructure defects in the mainlines. SDE conducted additional dye tests on April 2, 2025, concurrent with CCTV of the building's sanitary lateral to pinpoint plumbing issues. The storm drain was 50% submerged and could not be televised, however a push camera was extended to the end of the sanitary lateral and dye was placed in upstream storm and sewer manholes. Thus, a direct connection was confirmed. The City is coordinating with the homeowner to eliminate the illicit connection, anticipated Permit Year 8. Additional manhole inspections and building dye tests will be prioritized in Permit Year 8 following elimination of the illicit connection.
- 7/9 Normandy Ave: Two initial building dye tests were completed on September 26, 2024, resulting in a partial not legal result. SDE conducted another dye test on October 2, 2024, and confirmed all basement fixtures drain into a sump, where an ejector pump leads into the main stack (legal connection). The ejector pump does not turn on, and dye water exfiltrates from the sump and enters the drain. The City coordinated with the homeowner to make corrections to their internal plumbing. SDE returned on May 8, 2025, and performed a post-correction dye test, which was legal. The basement fixtures now connect to a functional ejector pump, which discharges to the main stack. No fixtures connect to the leaky sump. Downstream manhole inspections are required and will be prioritized in Permit Year 8 pending correction at 1/3 Normandy Ave.
- 1/3 Normandy Ave: SDE conducted a building dye test on September 30, 2024, and dye was seen with full intensity in the storm drain and medium intensity in the sewer. Later, there was a sewer backup at this address while conducting sewer mainline cleaning. SDE will conduct additional building dye tests in Permit Year 8 concurrent with CCTV of the mainlines and building laterals to pinpoint plumbing issues.

Additional building dye tests were completed but all results were legal. Stantec sent certified letters to homeowners who were unresponsive to SDE's initial efforts to perform building inspections on May 15, 2025. Further building dye tests and manhole inspections are required and will be prioritized in Permit Year 8.

- See Appendix S for the list of buildings tested.
- See Appendix T for the list of manholes inspected with standing water, flowing lines and dry sandbags.

### **D36 - Alewife Quadrangle Drainage Area**

No dry weather manhole inspections and no building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

The City and its contractors reassessed the IDDE investigations already completed during prior permit years and identified manholes that require rescreening. Ongoing construction occurring during the initial sampling added water to the storm drain and could have contributed to contamination. Construction was ongoing for much of Permit Year 7, limiting SDE's ability to rescreen select manholes. Dry weather manhole re-inspections, and as needed building dye tests will occur in Permit Year 8.

#### **D38 - Jackson Place Drainage Area**

IDDE investigations continued from previous Permit Years. SDE completed dye tests at the three (3) outstanding buildings in this catchment. 310 and 312 Rindge Ave tested legal, but an illicit connection was confirmed in the rainwater holding tanks at 130 Cambridgepark Drive. Initial dye tests of 130 Cambridgepark were legal, but visual evidence was observed in storm drain manholes, and isolated to the outlet of rainwater holding tanks. The tanks discharged during manhole inspections and flow with positive test kits was confirmed with lab sampling. Olfactory and visual inspections of the access points to the holding tanks were conducted, and soap suds and a musty odor was observed.

The owners of the building confirmed the illicit connection of one sanitary waste stack and one laundry waste stack coming from an apartment and informed the City the stacks have been corrected. The City is coordinating next steps with the property manager. Manhole inspections and building dye tests will be conducted in Permit Year 8. Pending resolution at 130 Cambridgepark Drive, a wet weather outfall inspection is required to close this area.

- See Appendix U for the list of buildings tested.
- See Appendix V for manhole inspection data related to 130 Cambridgepark Dr holding tanks.

#### **D40 - Harrison Ave Drainage Area**

IDDE investigations commenced during Permit Year 7. Dry weather manhole inspections identified clean pipes (dry sandbag) and extensive standing water at the downstream and upstream ends of this catchment. The standing water is largely caused by terrain and the water level of the receiving waterbody. Manholes were reinspected throughout the year and similar extents of standing water was observed. This catchment is a candidate for the plug and pump program.

No building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

- See Appendix W for a list of manholes with standing water and dry sandbags.

#### **D46 - Acorn Park Dr Drainage Area**

One manhole inspection was conducted in this area between July 1, 2024 and June 30, 2025. A flowing line was sampled revealing low test kit values and was cleared by lab sampling.

Dry weather manhole inspections during previous Permit years identified extensive standing water at the downstream ends of this catchment, largely caused by terrain and the water level of the receiving waterbody. Thus, this area was initially planned to be inspected as part of the Cities' plug and pump program. While reevaluating the cost to plug and pump the drains during Permit Year 7, the City determined it would be more cost effective to perform building dye tests. All building dye tests were legal. Wet weather outfall screening is required to close out this catchment area.

- See Appendix X for a list of building dye tests.
- See Appendix Y for information on the manhole inspection.

#### **D52 - 2 Drainage Area**

Manhole inspections commenced during Permit Year 7. This catchment is small, and a dry weather outfall inspection was sufficient to clear the catchment. SDE conducted an outfall inspection on May 20, 2025. The outfall was observed with standing water, and one of the upstream inlets was flowing and subsequently sampled, while the other inlet was cleared by sandbagging. The flow had low positive test kits and was cleared by lab sampling. A wet weather outfall inspection is required to close this catchment area.

- See Appendix A for details on the dry weather outfall screening.

### **ONGOING CATCHMENT INVESTIGATIONS - NON-MS4:**

#### **D01 - Fainwood Circle Drainage Area**

This area is a non-MS4 drainage area as it discharges to a combined sewer system. Investigations in this area were conducted as part of future sewer separation work. No dry weather manhole inspections and no building dye tests were performed in this area by SDE between July 1, 2024, through June 30, 2025.

Based on prior years dye test results, three (3) building sanitary laterals and two (2) drain laterals were televised during February and March 2023. Defects were observed and the sanitary laterals were added to the City's lining contract. The city is coordinating lateral lining during Permit Year 8. SDE will conduct follow up manhole inspections and building dye tests as needed.

#### **D32 - D32CMH0210 Incoming Interconnection**

The City identified an incoming interconnection from Mount Auburn Hospital's private drainage system that discharges into the City's combined system separately from the permitted connection. SDE inspected D32CMH0210 and observed standing water. Future inspections will be prioritized during Permit Year 8 when the water level of the receiving water body is lower.

Appendix A: Wet and Dry Weather Screening Results

Inspection Date	Weather	Drainage Area	Sampled Location (Outfall or MH ID)	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100ml)	Enterococci (MPN/100ml)	Total Phosphorus	Dissolved Oxygen	BOD5	TSS	Oil & Grease	Lab Ammonia Results	Lab Surfactants Results	Total Copper	Total Lead	Chloride
12/4/2024	Dry	D30 Willard St	D30DMH0000	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken
9/17/2024	Dry	D33A - Blanchard Rd	D33OF0000	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken
5/23/2025	Wet	D33A - Blanchard Rd	D33DMH1210	0.6 mg/L	1.0 mg/L	0.28 mg/L	Not Taken	Not Taken	Not Taken	6.2 mg/L		39 mg/L	Not Taken		Not Detected	0.0199 mg/L	Not Detected	Not Taken
1/6/2025	Wet	D33A - Blanchard Rd	D33DMH1210	0.1 mg/L	0.25 mg/L	0.81 mg/L	149.72	Not Taken	0.240 mg/L	Not Taken	Not Taken	Not Taken	Not Detected	Not Taken	Not Taken	Not Taken	Not Taken	320 mg/L
5/20/2025	Dry	D52_2	D52DMH1000	0.0 mg/L	0.0 mg/L	0.75 mg/L	180	11	0.087 mg/L	8.72 mg/L	Not Detected	110 mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	1.7 mg/L
5/12/2025	Dry	D52_1	D52OF0110	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken	Not Taken
5/23/2025	Wet	D52_1	D52OF0110	0.0 mg/L	0 mg/L	0.0 mg/L	50	44.12	0.038 mg/L	6.58 mg/L		Not Detected	Not Detected		Not Detected	0.0388 mg/L	0.0450 mg/L	6.2 mg/L

Appendix B: D02 Lechmere Canal Contamintaion, Standing Water Findings and Dry Sandbags

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100ml)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
10/22/2024	D02 - Lechmere Canal	D02DMH0085	!DMH0090_D02DMH0	E	Otis St	0.2 mg/l	0 mg/l	1.44 mg/l	<1	0.626	ND	Positive Test Kit During Inspection
10/22/2024	D02 - Lechmere Canal	D02DMH0085	!DMH3405_D02DMH0	NW	Otis St							None, by Sandbag/Test Kit
10/22/2024	D02 - Lechmere Canal	D02DMH0095	!DMH0097_D02DMH0	E	Otis St							N/A - Standing Water
10/22/2024	D02 - Lechmere Canal	D02DMH0095	!DMH3505_D02DMH0	NE	Otis St							N/A - Standing Water
10/22/2024	D02 - Lechmere Canal	D02DMH0095	!DMH3602_D02DMH0	SW	Otis St							None, by Sandbag/Test Kit
10/22/2024	D02 - Lechmere Canal	D02DMH0097	!DMH0099_D02DMH0	E	Otis St							N/A - Standing Water
10/22/2024	D02 - Lechmere Canal	D02DMH0097	!DMH0105_D02DMH0	SE	Otis St							N/A - Standing Water
10/22/2024	D02 - Lechmere Canal	D02DMH0105	!DMH0110_D02DMH0	SE	Otis St							None, by Sandbag/Test Kit
10/22/2024	D02 - Lechmere Canal	D02DMH1445	!DMH1450_D02DMH1	NW	Otis St							N/A - Partial Inspection
10/22/2024	D02 - Lechmere Canal	D02DMH1445	!DMH1805_D02DMH1	NE	Otis St							None, by Sandbag/Test Kit
10/22/2024	D02 - Lechmere Canal	D02DMH3215	!DMH3220_D02DMH3	SE	Throndike St							None, by Sandbag/Test Kit
10/22/2024	D02 - Lechmere Canal	D02DMH3505	!DMH3510_D02DMH3	N	Sixth St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0050	!DMH0055_D02DMH0	NW	Charles St	0.1 mg/l	0.25 mg/l	0.09 mg/l	1553.12	0.089	ND	Positive Test Kit During Inspection
11/4/2024	D02 - Lechmere Canal	D02DMH0050	!DMH2005_D02DMH0	NE	Charles St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0055	!DMH0060_D02DMH0	NW	Charles St							Other
11/4/2024	D02 - Lechmere Canal	D02DMH0055	!DMH2405_D02DMH0	NE	Charles St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0060	!DMH2700_D02DMH0	S	Charles St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0060	!DMH0063_D02DMH0	N	Charles St	0.1 mg/l	0.25 mg/l	0.28 mg/l	<1	0.234 mg/L	ND	Positive Test Kit During Inspection
11/4/2024	D02 - Lechmere Canal	D02DMH0065	!DMH0068_D02DMH0	N	Sixth St							Other
11/4/2024	D02 - Lechmere Canal	D02DMH0065	!DMH2805_D02DMH0	NE	Sixth St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0070	!DMH0075_D02DMH0	NW	Spring St	0.1 mg/l	0.25 mg/l	1.18 mg/l	<1	0.233 mg/L	ND	Positive Test Kit During Inspection
11/4/2024	D02 - Lechmere Canal	D02DMH0070	!DMH2905_D02DMH0	E	Spring St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0070	!DMH2955_D02DMH0	NE	Spring St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0075	!DMH0080_D02DMH0	NE	Spring St							Other
11/4/2024	D02 - Lechmere Canal	D02DMH0075	!DMH3005_D02DMH0	NW	Spring St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0080	!DMH0085_D02DMH0	NE	Seventh St	0.1 mg/l	0.25 mg/l	0.21 mg/l	<1	0.254 mg/L	ND	Positive Test Kit During Inspection
11/4/2024	D02 - Lechmere Canal	D02DMH0080	!DMH3205_D02DMH0	SE	Seventh St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH0080	!DMH3305_D02DMH0	NW	Seventh St							N/A - Standing Water
11/4/2024	D02 - Lechmere Canal	D02DMH1405	!DMH1410_D02DMH1	NE	Third St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH1405	!DMH1505_D02DMH1	NW	Third St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH1415	!DMH1605_D02DMH1	NW	Third St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH1435	!DMH1440_D02DMH1	N	Third St							Not Found
11/4/2024	D02 - Lechmere Canal	D02DMH1435	!DMH1705_D02DMH1	NW	Third St							Not Found
11/4/2024	D02 - Lechmere Canal	D02DMH1440	!DMH1445_D02DMH1	N	Third St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH1705	!T0167_D02DMH170	NW	Thorndike St							None, by Sandbag/Test Kit
11/4/2024	D02 - Lechmere Canal	D02DMH3305	!DMH3310_D02DMH3	W	Thorndike St							N/A - Standing Water
11/14/2024	D02 - Lechmere Canal	D02DMH2005	!DMH2105_D02DMH2	W	Sciarappa St							None, by Sandbag/Test Kit
11/14/2024	D02 - Lechmere Canal	D02DMH2015	!DMH2017_D02DMH2	N	Sciarappa St							None, by Sandbag/Test Kit
11/14/2024	D02 - Lechmere Canal	D02DMH2015	!DMH2205_D02DMH2	E	Sciarappa St							None, by Sandbag/Test Kit
11/14/2024	D02 - Lechmere Canal	D02DMH2020	!DMH2025_D02DMH2	N	Sciarappa St							None, by Sandbag/Test Kit
11/14/2024	D02 - Lechmere Canal	D02DMH2020	!DMH2305_D02DMH2	E	Sciarappa St							None, by Sandbag/Test Kit
12/3/2024	D02 - Lechmere Canal	D02DMH0020	!DMH0605_D02DMH0	SW	First St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0020	!DMH0015_D02DMH0	N	First St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0020	!DMH0605_D02DMH0	W	First St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0035	!DMH0040_D02DMH0	W	First St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0040	!DMH0045_D02DMH0	W	Charles St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0045	!DMH0050_D02DMH0	W	Third St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0050	!DMH0055_D02DMH0	W	Charles St							N/A - Standing Water
12/3/2024	D02 - Lechmere Canal	D02DMH0055	!DMH0060_D02DMH0	W	Charles St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0025	!DMH0705_D02DMH0	W	First St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0035	!DMH1105_D02DMH0	S	First St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0040	!DMH1305_D02DMH0	SW	Charles St							None, by Sandbag/Test Kit



Appendix B: D02 Lechmere Canal Contamintaion, Standing Water Findings and Dry Sandbags

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100ml)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
1/7/2025	D02 - Lechmere Canal	D02DMH0045	!DMH1905_D02DMH0	SW	Charles St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0045	!T0162_D02DMH004!	NE	Charles St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0205	!DMH0210_D02DMH0	NW	First St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0205	!DMH0305_D02DMH0	SE	First St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0205	!DMH0440_D02DMH0	SE	First St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0305	!DMH0306_D02DMH0	NW	Otis St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0306	!DMH0309_D02DMH0	NW	Otis St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0309	!DMH0310_D02DMH0	NW	Otis St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0310	!DMH0315_D02DMH0	NW	Otis St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0605	!DMH0610_D02DMH0	NW	Thorndike St							N/A - Partial Inspection
1/7/2025	D02 - Lechmere Canal	D02DMH0610	!DMH0615_D02DMH0	NW	Thorndike St							N/A - Standing Water
1/7/2025	D02 - Lechmere Canal	D02DMH0820	!DMH0825_D02DMH0	NE	Hurley St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0820	!DMH0905_D02DMH0	SW	Hurley St							None, by Sandbag/Test Kit
1/7/2025	D02 - Lechmere Canal	D02DMH0820	!DMH0910_D02DMH0	NW	Hurley St							None, by Sandbag/Test Kit
1/8/2025	D02 - Lechmere Canal	D02DMH0030	!DMH0035_D02DMH0	S	First St							N/A - Standing Water
1/8/2025	D02 - Lechmere Canal	D02DMH0030	!DMH0805_D02DMH0	SW	First St							N/A - Standing Water
1/8/2025	D02 - Lechmere Canal	D02DMH0805	!DMH0815_D02DMH0	NW	Hurley St							N/A - Standing Water
1/8/2025	D02 - Lechmere Canal	D02DMH0815	!DMH0820_D02DMH0	NW	Hurley St							N/A - Standing Water
1/14/2025	D02 - Lechmere Canal	D02DMH0215	!DMH0218_D02DMH0	NW	Cambridge St							Not Found
1/14/2025	D02 - Lechmere Canal	D02DMH0215	!DMH0505_D02DMH0	SE	Cambridge St							Not Found
1/14/2025	D02 - Lechmere Canal	D02DMH0218	!DMH0220_D02DMH0	NW	Cambridge St	0 mg/L	0 mg/L	0 mg/L	2.02	N/A	N/A	None, by Sandbag/Test Kit
1/14/2025	D02 - Lechmere Canal	D02DMH0615	!DMH0617_D02DMH0	W	Thorndike St							None, by Sandbag/Test Kit
1/14/2025	D02 - Lechmere Canal	D02DMH0615	!DMH0620_D02DMH0	N	Thorndike St							None, by Sandbag/Test Kit
1/14/2025	D02 - Lechmere Canal	D02DMH0615	!DMH0625_D02DMH0	NW	Thorndike St							None, by Sandbag/Test Kit
1/14/2025	D02 - Lechmere Canal	D02DMH0615	!T0208_D02DMH061!	NE	Thorndike St							None, by Sandbag/Test Kit

Appendix C: D02 Lechmere Canal Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
2/24/2025	D02 - Lechmere Canal	429-11		31		Sixth St	D02DMH0095	Legal
3/26/2025	D02 - Lechmere Canal	429-11		31		Sixth St	D02DMH0095	Legal
3/4/2025	D02 - Lechmere Canal	429-18		27		Sixth St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	432-11		141		Otis St	D02DMH0095	Legal
2/18/2025	D02 - Lechmere Canal	432-12		139		Otis St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	432-2		145		Otis St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	432-2		145		Otis St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	432-2		145		Otis St	D02DMH0095	Legal
5/6/2025	D02 - Lechmere Canal	432-6		26		Sixth St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	432-8		28		Sixth St	D02DMH0095	Legal
2/18/2025	D02 - Lechmere Canal	458-12		134		Otis St	D02DMH0095	Legal
4/8/2025	D02 - Lechmere Canal	458-5		130		Otis St	D02DMH0095	Legal
4/8/2025	D02 - Lechmere Canal	458-5		130		Otis St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	458-9		136		Otis St	D02DMH0095	Legal
2/24/2025	D02 - Lechmere Canal	458-9		138		Otis St	D02DMH0095	Legal
2/10/2025	D02 - Lechmere Canal	461-10		11		First St	D02DMH0205	Legal
2/27/2025	D02 - Lechmere Canal	468-3		1		Canal Pk	D02DMH0020	Legal
2/27/2025	D02 - Lechmere Canal	468-3		1		Canal Pk	D02DMH0020	Legal
2/27/2025	D02 - Lechmere Canal	468-3		1		Canal Pk	D02DMH0020	Legal
2/27/2025	D02 - Lechmere Canal	468-3		1		Canal Pk	D02DMH0020	Legal
3/20/2025	D02 - Lechmere Canal	472-4		180		Thorndike St	D02DMH3310	Legal
3/20/2025	D02 - Lechmere Canal	474-1		40		Eighth St	D02DMH3305	Legal
2/11/2025	D02 - Lechmere Canal	505-2		59		First St	D02DMH0020	Legal
2/11/2025	D02 - Lechmere Canal	505-2		59		First St	D02DMH0020	Legal
2/11/2025	D02 - Lechmere Canal	505-2		59		First St	D02DMH0020	Legal
3/18/2025	D02 - Lechmere Canal	526-1		75		First St	N/A	No Fixtures
3/3/2025	D02 - Lechmere Canal	526-2		95		First St	D02DMH0030	Legal
3/18/2025	D02 - Lechmere Canal	526-2		85		First St	D02DMH0030	Legal
3/3/2025	D02 - Lechmere Canal	526-2		95		First St	D02DMH0030	Legal
3/3/2025	D02 - Lechmere Canal	526-2		95		First St	D02DMH0030	No Dye Observed
3/3/2025	D02 - Lechmere Canal	526-2		95		First St	D02DMH0030	No Dye Observed
3/3/2025	D02 - Lechmere Canal	526-2		95		First St	D02DMH0030	Legal
2/26/2025	D02 - Lechmere Canal	530-28		181		Charles St	D02DMH0050	Legal
2/26/2025	D02 - Lechmere Canal	530-28		181		Charles St	D02DMH0050	Legal

Appendix C: D02 Lechmere Canal Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
2/24/2025	D02 - Lechmere Canal	530-30		175		Charles St	D02DMH0050	Legal
3/4/2025	D02 - Lechmere Canal	530-33		167		Charles St	D02DMH0050	Legal
3/4/2025	D02 - Lechmere Canal	530-33		167		Charles St	D02DMH0050	Legal
3/20/2025	D02 - Lechmere Canal	530-8		165		Charles St	D02DMH0050	Legal
3/20/2025	D02 - Lechmere Canal	530-8		165		Charles St	D02DMH0050	Legal
3/4/2025	D02 - Lechmere Canal	533-1		121		Charles St	D02DMH0045	Legal
3/4/2025	D02 - Lechmere Canal	533-1		121		Charles St	D02DMH0045	Legal
3/4/2025	D02 - Lechmere Canal	533-1		121		Charles St	D02DMH0045	Legal
2/26/2025	D02 - Lechmere Canal	533-18		113		Charles St	D02DMH0045	Legal
2/26/2025	D02 - Lechmere Canal	533-18		113		Charles St	D02DMH0045	Legal
2/26/2025	D02 - Lechmere Canal	533-18		113		Charles St	D02DMH0045	Legal
3/3/2025	D02 - Lechmere Canal	533-19		127		Charles St	D02DMH0050	Legal
3/4/2025	D02 - Lechmere Canal	533-23		121		Charles St	D02DMH0045	Legal
3/4/2025	D02 - Lechmere Canal	533-23		121		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-24		123		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-24		123		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-24		123		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-25		139		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-25		139		Charles St	D02DMH0045	Legal
2/6/2025	D02 - Lechmere Canal	533-25		139		Charles St	D02DMH0045	Legal
4/23/2025	D02 - Lechmere Canal	533-3		111		Charles St	D02DMH0045	Legal
4/23/2025	D02 - Lechmere Canal	533-3		111		Charles St	D02DMH0045	Legal
2/4/2025	D02 - Lechmere Canal	538-8		91		Charles St	D02DMH0045	Legal
2/27/2025	D02 - Lechmere Canal	544-5		131		Second St	D02DMH0040	Legal
2/4/2025	D02 - Lechmere Canal	544-5		135		Second St	D02DMH0820	Legal
2/27/2025	D02 - Lechmere Canal	544-5		131		Second St	D02DMH0040	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/25/2025	D02 - Lechmere Canal	547-6		109		First St	D02DMH0030	Legal
2/10/2025	D02 - Lechmere Canal	549-12		122	124	Charles St	D02DMH0045	Legal

Appendix C: D02 Lechmere Canal Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
3/5/2025	D02 - Lechmere Canal	549-13		120		Charles St	D02DMH0045	Legal
2/10/2025	D02 - Lechmere Canal	549-13		120		Charles St	D02DMH0045	Legal
3/26/2025	D02 - Lechmere Canal	549-20		126		Charles St	D02DMH0045	Legal
3/26/2025	D02 - Lechmere Canal	549-20		126		Charles St	D02DMH0045	Legal
3/26/2025	D02 - Lechmere Canal	549-20		126		Charles St	D02DMH0045	Legal
2/20/2025	D02 - Lechmere Canal	549-6		160		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		160		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		106		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		106		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		160		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		160		Charles St	D02DMH0050	Legal
2/20/2025	D02 - Lechmere Canal	549-6		106		Charles St	D02DMH0050	Legal

Appendix D: D09 Danforth St Contamintaion and Standing Water Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. CoLi (MPN/100mL)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
3/10/2025	D03C - North Point	D03DMH1560	DMH1565_D03DMH1	SW	North First St							N/A - Standing Water
3/10/2025	D03C - North Point	D03DMH1560	DMH1770_D03DMH1	NE	North First St	0.4 mg/L	1 mg/L	0.03 mg/L	<1	0.946 mg/L	ND	Positive Test Kit During Inspection
3/10/2025	D03C - North Point	ACCESS320 (NW)	D03DMH1550_FITT462	NW	Morgan Ave	0.1 mg/L	1 mg/L	0.17 mg/L	<1	0.523 mg/L	ND	Positive Test Kit During Inspection
3/10/2025	D03C - North Point	ACCESS320 (NE)	D03DMH4000_FIT663	SE	Morgan Ave	0.2 mg/L	1 mg/L	0.17 mg/L	<1	0.320 mg/L	ND	Positive Test Kit During Inspection
3/11/2025	D03C - North Point	D03DMH1565	UNKNOWN_D03DMH15	NW	North First St							None, By Sandbag/Test Kit

Appendix E: D08 Massachusetts Avenue @ Memorial Drive Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/3/2024	- Mass Ave @ Mem D	551-4		26		Bishop Allen Dr	D10DMH4620	D10DMH4620
9/25/2024	- Mass Ave @ Mem D	551-5		22		Essex St	D10DMH4620	D10DMH4620
9/19/2024	- Mass Ave @ Mem D	602-38		37		Bishop Allen Dr	D10DMH4608	D10DMH4608



Appendix F: D13 MOB Highway Contaminant, Standing Water, and Dry Sandbags Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100 mL)	Lab Ammonia Results	Lab Surfactant Results	Contamination Found By
1/14/2025	D13 MOB Highway	D13DMH0030	D13DMH0019_D02DMH0	NW	Isignor Obrien Hwy							None, by Sandbag/Test Kit
1/14/2025	D13 MOB Highway	D13DMH0030	D13DMH0021_D02DMH0	SE	Isignor Obrien Hwy							Not Found
1/14/2025	D13 MOB Highway	D13DMH0030	D13DMH0130_D02DMH0	NW	Isignor Obrien Hwy							N/A - Standing Water
1/14/2025	D13 MOB Highway	D13DMH0030	D13DMH0105_D13DMH0	SE	Isignor Obrien Hwy							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0210	131746	NE	Cambridge St							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0210	D13DMH0230_D13DMH0	W	Cambridge St							N/A - Standing Water
3/10/2025	D13 MOB Highway	D13DMH0240	D13DMH0242_D13DMH0	NE	Cambridge St							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0240	D13DMH0250_D13DMH0	NW	Cambridge St							N/A - Standing Water
3/10/2025	D13 MOB Highway	D13DMH0250	D13DMH0260_D13DMH0	NW	Cambridge St							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0260	D13DMH0305_D13DMH0	N	Isignor Obrien Hwy							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0260	D13DMH0405_D13DMH0	NW	Isignor Obrien Hwy							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0420	D13DMH0425_D13DMH0	W	Isignor Obrien Hwy							None, by Sandbag/Test Kit
3/10/2025	D13 MOB Highway	D13DMH0420	D13DMH0505_D13DMH0	NW	Isignor Obrien Hwy							None, by Sandbag/Test Kit
3/11/2025	D13 MOB Highway	D13DMH0240	MAPPED_D13DMH02	NW	Cambridge St	10 mg/L	3 mg/L	0.06 mg/L	ND	N/A	N/A	Positive Test Kit During Inspection
4/2/2025	D13 MOB Highway	D13DMH0240	MAPPED_D13DMH02	NW	Cambridge St	10 mg/L	0.25 mg/L	0.32 mg/L	N/A	11.8 mg/L	0.11 mg/L	Positive Test Kit During Inspection

Appendix G: D15 Pearl St Contamination, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100 ml)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
8/13/2024	D15 - Pearl St	D12DMH7544	D12DMH7547_FIT732	NE	Magazine St							N/A - Standing Water
8/13/2024	D15 - Pearl St	D15DMH1025	DMH1105_D15DMH1	E	Granite St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1035	DMH1037_D15DMH1	NE	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1035	DMH1402_D15DMH1	NW	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1040	131615	SE	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1040	DMH1045_D15DMH1	SE	Pearl St							N/A - Standing Water
8/13/2024	D15 - Pearl St	D15DMH1045	DMH1050_D15DMH1	NE	Pearl St							N/A - Standing Water
8/13/2024	D15 - Pearl St	D15DMH1045	DMH1605_D15DMH1	NW	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1050	DMH1055_D15DMH1	NE	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1050	DMH1705_D15DMH1	SE	Pearl St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1050	DMH2005_D15DMH1	NW	Chestnut St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1210	DMH1215_D15DMH1	NE	Chestnut St							N/A - Standing Water
8/13/2024	D15 - Pearl St	D15DMH1220	DMH1225_D15DMH1	NE	Granite St							Not Found
8/13/2024	D15 - Pearl St	D15DMH1220	DMH1305_D15DMH1	N	Granite St							Not Found
8/13/2024	D15 - Pearl St	D15DMH1227	IT7122_D15DMH122	NW	Granite St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1305	IT6853_D15DMH130	NE	Riverside Dr							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH1710	DMH1905_D15DMH1	NE	Chestnut St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH2015	DMH2105_D15DMH2	NE	Chestnut St							None, by Sandbag/Test Kit
8/13/2024	D15 - Pearl St	D15DMH2015	IT0910_D15DMH201	NW	Chestnut St							None, by Sandbag/Test Kit
9/10/2024	D15 - Pearl St	D15DMH1037	DMH1040_D15DMH1	NE	Pearl St							N/A - Standing Water
9/10/2024	D15 - Pearl St	D15DMH1040	DMH1045_D15DMH1	NE	Pearl St							N/A - Standing Water
9/10/2024	D15 - Pearl St	D15DMH1045	DMH1050_D15DMH1	NE	Pearl St							None, by Sandbag/Test Kit
6/3/2025	D15 - Pearl St	D15DMH1070	DMH1020_D15DMH1	NE	Granite St							N/A - Standing Water
6/3/2025	D15 - Pearl St	D15DMH1070	DMH1075_D15DMH1	NW	Granite St	2 mg/L	0 mg/L	0.59 mg/L	TBD	TBD	TBD	Positive Test Kit During Inspection

Appendix H: D15 Pearl St Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
6/4/2025	D15 - Pearl St	730-3		317		Pearl St	D15DMH1040	Legal
6/4/2025	D15 - Pearl St	730-3		315		Pearl St	D15DMH1040	Legal
6/4/2025	D15 - Pearl St	730-3		317		Pearl St	D15DMH1040	Legal
6/4/2025	D15 - Pearl St	730-3		315		Pearl St	D15DMH1040	Legal
6/4/2025	D15 - Pearl St	730-3		317		Pearl St	D15DMH1040	Legal
6/4/2025	D15 - Pearl St	730-3		317		Pearl St	D15DMH1040	Legal
1/23/2025	D15 - Pearl St	730-6		321		Pearl St	D15DMH1040	Legal
1/20/2025	D15 - Pearl St	730-9		327		Pearl St	D15DMH1035	Legal
1/20/2025	D15 - Pearl St	730-9		329		Pearl St	D15DMH1035	Legal
1/20/2025	D15 - Pearl St	730-9		327		Pearl St	D15DMH1035	Legal
1/20/2025	D15 - Pearl St	730-9		327		Pearl St	D15DMH1035	Legal
1/20/2025	D15 - Pearl St	730-9		327		Pearl St	D15DMH1035	Legal
1/16/2025	D15 - Pearl St	733-10		322		Pearl St	D15DMH1040	Legal
1/15/2025	D15 - Pearl St	736-13		55		Granite St	D15DMH1025	Legal
1/15/2025	D15 - Pearl St	736-13		55		Granite St	D15DMH1025	Legal
2/3/2025	D15 - Pearl St	736-15		49	51	Granite St	D15DMH1025	Legal
1/8/2025	D15 - Pearl St	736-16		41		Granite St	D15DMH1025	Legal
1/27/2025	D15 - Pearl St	736-18		47		Granite St	D15DMH1025	Legal
1/27/2025	D15 - Pearl St	736-18		47		Granite St	D15DMH1025	Legal
1/13/2025	D15 - Pearl St	736-2		45		Granite St	D15DMH1025	Legal
1/13/2025	D15 - Pearl St	736-2		45		Granite St	D15DMH1025	Legal
1/13/2025	D15 - Pearl St	736-2		46		Granite St	D15DMH1025	Legal
1/27/2025	D15 - Pearl St	736-22		35		Granite St	D15DMH1025	Legal
1/27/2025	D15 - Pearl St	736-22		35		Granite St	D15DMH1025	Legal
1/15/2025	D15 - Pearl St	736-25		29		Granite St	D15DMH1025	Legal
1/15/2025	D15 - Pearl St	736-9		59		Granite St	D15DMH1025	Legal
1/15/2025	D15 - Pearl St	736-9		59		Granite St	D15DMH1025	Legal
5/28/2025	D15 - Pearl St	740-1		40		Granite St	D15DMH1070	Legal
5/28/2025	D15 - Pearl St	740-1		40		Granite St	D15DMH1070	legal
2/18/2025	D15 - Pearl St	741-1		122		Henry St	D15DMH1035	Legal

Appendix I: D16 Pleasant St Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
10/9/2024	D16 - Pleasant St	654-10		75		Pleasant St	D16DMH1050	Legal
10/9/2024	D16 - Pleasant St	654-10		75		Pleasant St	D16DMH1050	Legal
9/25/2024	D16 - Pleasant St	654-2		17		Laurel St	D16DMH1050	legal
9/10/2024	D16 - Pleasant St	654-4		15		Laurel St	D16DMH1050	Legal
10/16/2024	D16 - Pleasant St	654-6		9		Laurel St	D16DMH1050	Legal
11/4/2024	D16 - Pleasant St	654-9		210		River St	D16DMH1050	Legal
11/4/2024	D16 - Pleasant St	654-9		210		River St	D16DMH1050	Legal
11/4/2024	D16 - Pleasant St	654-9		210		River St	D16DMH1050	Legal
9/5/2024	D16 - Pleasant St	659-1		16		Laurel St	D16DMH1050	Legal
9/16/2024	D16 - Pleasant St	659-1		18		Laurel St	D16DMH1050	Legal
9/18/2024	D16 - Pleasant St	659-1		18		Laurel St	D16DMH1050	Legal
11/11/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/11/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
4/2/2025	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/20/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/20/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/20/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/11/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/11/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/20/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
11/11/2024	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
5/22/2025	D16 - Pleasant St	659-10		10		Laurel St	D16DMH1050	Legal
9/23/2024	D16 - Pleasant St	659-13		6		Laurel St	D16DMH1050	Legal
9/25/2024	D16 - Pleasant St	659-15		77		Pleasant St	16DMH1050	Legal
9/25/2024	D16 - Pleasant St	659-15		77		Pleasant St	D16DMH1050	Legal
9/25/2024	D16 - Pleasant St	659-15		77		Pleasant St	D16DMH1050	Legal
9/25/2024	D16 - Pleasant St	659-15		77		Pleasant St	D16DMH1050	Legal
9/19/2024	D16 - Pleasant St	659-6		14		Laurel St	D16DMH1050	Legal
9/25/2024	D16 - Pleasant St	659-6		12		Laurel St	D16DMH1050	Legal

## Appendix J: D16 PLeasant St Contamintaion, Standing Water and Dry Sandbag Findings

[illegible]

Appendix L: D21 Dewolfe St Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
3/25/2025	D21 - Dewolfe St	335-21		69a		Dana St	D21DMH2602	Legal
1/15/2025	D21 - Dewolfe St	335-21		69		Dana St	D21DMH2602	Legal
3/25/2025	D21 - Dewolfe St	335-21		69a		Dana St	D21DMH2602	No Fixtures
1/15/2025	D21 - Dewolfe St	335-21		69		Dana St	D21DMH2602	Legal
3/25/2025	D21 - Dewolfe St	335-21		69a		Dana St	D21DMH2602	Legal
10/16/2024	D21 - Dewolfe St	337-10		74		Dana St	D21DMH2205	Legal
10/16/2024	D21 - Dewolfe St	337-10		74		Dana St	D21DMH2205	Legal
10/16/2024	D21 - Dewolfe St	337-10		74		Dana St	D21DMH2205	Legal
11/13/2024	D21 - Dewolfe St	337-13		72		Dana St	D21DMH2205	Legal
9/5/2024	D21 - Dewolfe St	365-9		64		Highland Ave	D21DMH2065	Legal
9/5/2024	D21 - Dewolfe St	365-9		64		Highland Ave	D21DMH2065	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2600	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2600	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2000	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2600	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2600	Legal
11/14/2024	D21 - Dewolfe St	399-7		45	47	Dana St	D21DMH2600	Legal
1/20/2025	D21 - Dewolfe St	414-1		46B		Dana St	D21DMH1730	Legal
1/20/2025	D21 - Dewolfe St	414-1		46B		Dana St	D21DMH1730	Legal
1/8/2025	D21 - Dewolfe St	414-11		42		Dana St	D21DMH2600	Legal
1/8/2025	D21 - Dewolfe St	414-11		42		Dana St	D21DMH2600	Legal
7/30/2024	D21 - Dewolfe St	420-2		6		Goodman Rd	D21DMH1735	Legal
7/30/2024	D21 - Dewolfe St	420-2		6		Goodman Rd	D21DMH1735	Legal
7/30/2024	D21 - Dewolfe St	420-2		6		Goodman Rd	D21DMH1735	Legal
1/9/2025	D21 - Dewolfe St	420-4		10		Goodman Rd	D21DMH1735	Legal
1/9/2025	D21 - Dewolfe St	420-4		10		Goodman Rd	D21DMH1735	Legal
10/9/2024	D21 - Dewolfe St	428-4		12		Merrill St	D21DMH1740	Legal
10/9/2024	D21 - Dewolfe St	428-4		12		Merrill St	D21DMH1740	Legal
11/6/2024	D21 - Dewolfe St	440-10		32		Dana St	D21DMH1730	Legal
11/6/2024	D21 - Dewolfe St	440-10		34		Dana St	D21DMH1730	Legal



Appendix M: D21 Dewolfe St Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. Coli (MPN/100ml)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
10/22/2024	D21 - Dewolfe St	D21DMH1730	D21DMH1735_D21DMH1730	SE	Broadway							None, by Sandbag/Test Kit
10/22/2024	D21 - Dewolfe St	D21DMH1730	D21DMH2600_D21DMH1730	SW	Broadway	10 mg/L	0.25 mg/L	0.19 mg/L	8600	8.96 mg/L	0.06 mg/L	Positve Test Kit During Inspection
10/22/2024	D21 - Dewolfe St	D21DMH1735	D21DMH1740_D21DMH1735	SE	Broadway							N/A - Standing Water
10/22/2024	D21 - Dewolfe St	D21DMH1735	D21DMH1930_D21DMH1735	SW	Broadway							None, by Sandbag/Test Kit
10/22/2024	D21 - Dewolfe St	D21DMH1740	D21DMH1940_D21DMH1740	SW	Broadway							None, by Sandbag/Test Kit
10/22/2024	D21 - Dewolfe St	D21DMH2065	D21DMH2070_D21DMH2065	SW	Highland Ave							None, by Sandbag/Test Kit

Appendix N: University Rd Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
1/23/2025	D27 - University Rd	355-4		44		Brattle St	S31UGS0004	Legal
1/23/2025	D27 - University Rd	355-9		44R		Brattle St	D27DMH0310	Legal
1/23/2025	D27 - University Rd	355-9		44R		Brattle St	D27DMH0310	Legal
1/23/2025	D27 - University Rd	355-9		44R		Brattle St	D27DMH0310	Legal
1/23/2025	D27 - University Rd	355-9		44R		Brattle St	D27DMH0310	Legal
1/23/2025	D27 - University Rd	355-9		44R		Brattle St	D27DMH0310	Legal
1/20/2025	D27 - University Rd	380-1		122		Mt Auburn St	D27DMH0122	Legal
2/18/2025	D27 - University Rd	398-4		975		Massachusetts Ave	D26DMH9030	Legal

Appendix O: D28 Brewer St Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field ChLorine Value	E. CoLi (MPN/100mL)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
3/13/2025	D28 - Brewer St	D28DMH0110	D28DMH0115_D28DMH0110	NE	Memorial Dr	0 mg/L	0 mg/L	2.11 mg/L	<1			None, by Sandbag/Test Kit
3/13/2025	D28 - Brewer St	D28DMH0120	D28DMH0410_D28DMH0120	SE	Brewer St	0 mg/L	0 mg/L	2.09 mg/L	<1			None, by Sandbag/Test Kit
3/13/2025	D28 - Brewer St	D28DMH0410	D28DMH0705_D28DMH0410	NE	Gerry St	0 mg/L	0 mg/L	2.2 mg/L	<1			None, by Sandbag/Test Kit
3/13/2025	D28 - Brewer St	D28DMH0710	D28DMH0715_D28DMH0710	NE	Gerry St							N/A - Standing Water
5/12/2025	D28 - Brewer St	D28DMH0110	D28DMH0115_D28DMH0110	NE	Memorial Dr							None, by Sandbag/Test Kit
5/12/2025	D28 - Brewer St	D28DMH0120	D28DMH0125_D28DMH0120	N	Brewer St							None, by Sandbag/Test Kit
5/12/2025	D28 - Brewer St	D28DMH0120	D28DMH0410_D28DMH0120	SE	Brewer St							N/A - Standing Water
5/12/2025	D28 - Brewer St	D28DMH0410	D28DMH0610_D28DMH0410	S	Gerry St							None, by Sandbag/Test Kit
5/12/2025	D28 - Brewer St	D28DMH0410	D28DMH0705_D28DMH0410	NE	Gerry St							None, by Sandbag/Test Kit
5/12/2025	D28 - Brewer St	D28OF0000	FITT3515_FIT9849	NE	Memorial Dr							Not Found
5/12/2025	D28 - Brewer St	N/A	FITT3514_FITT3515	SE	Memorial Dr							Other



Appendix Q: D30 Willard St Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
1/13/2025	D30 - Willard St	298-15		17		Willard St	D30DMH0040	Legal
1/13/2025	D30 - Willard St	305-18		20		Willard St	D30DMH0040	Legal
1/13/2025	D30 - Willard St	999-3542		27R Garage		Willard St	N/A	No Fixtures
1/13/2025	D30 - Willard St	305-12		18		Willard St	D30DMH0040	Legal
1/13/2025	D30 - Willard St	999-3548		25		Willard St	N/A	No Fixtures

Appendix R: D31 Sparks St Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
6/13/2025	D31 Sparks St	186-3		3		Gray Gardens Wes	D31DMH4055	Dye in Both
6/13/2025	D31 Sparks St	186-3		3		Gray Gardens Wes	D31DMH4055	Dye in Both

Appendix S: D34 Normandy Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
1/29/2025	34 - Normandy Terrac	46-17		54		Spinelli Pl	D34DMH1025	Legal
1/29/2025	34 - Normandy Terrac	46-17		55		Spinelli Pl	D34DMH1025	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal

Appendix S: D34 Normandy Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
10/15/2024	34 - Normandy Terrac	46-5		26		Normandy Ter	D34DMH1005	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
4/2/2025	34 - Normandy Terrac	55-2		27		Normandy Ter	ds4dmh1015	Not Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-29		11		Loomis St	D34DMH1405	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1020	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-36		23		South Normandy Av	D34DMH1610	Legal
10/15/2024	34 - Normandy Terrac	55-39		44		Sunset Rd	D34DMH1610	Legal
10/2/2024	34 - Normandy Terrac	55-4		17		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
12/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/29/2024	34 - Normandy Terrac	55-49		30		Sunset Rd	D34DMH1610	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal



Appendix S: D34 Normandy Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
9/30/2024	34 - Normandy Terrac	58-11		1	3	Normandy Ave	D34DMH1815	Dye in SMH and DMH
10/22/2024	34 - Normandy Terrac	58-6		23		Normandy Ave	D34DMH1805	Legal
10/8/2024	34 - Normandy Terrac	58-7		15		Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
10/24/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/22/2025	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
10/30/2024	34 - Normandy Terrac	65-23		45		Spinelli Pl	D34DMH2005	Legal
10/30/2024	34 - Normandy Terrac	65-23		45		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	65-23		45		Spinelli Pl	D34DMH2005	Legal
10/30/2024	34 - Normandy Terrac	65-23		45		Spinelli Pl	D34DMH2005	Legal
1/14/2025	34 - Normandy Terrac	65-28		35		Spinelli Pl	D34DMH1025	Legal
1/14/2025	34 - Normandy Terrac	65-28		35		Spinelli Pl	D34DMH1025	Legal
1/14/2025	34 - Normandy Terrac	65-28		35		Spinelli Pl	D34DMH1025	Legal
1/14/2025	34 - Normandy Terrac	65-28		35		Spinelli Pl	D34DMH1025	Legal
1/14/2025	34 - Normandy Terrac	65-28		37		Spinelli Pl	D34DMH1025	Legal
1/14/2025	34 - Normandy Terrac	65-28		37		Spinelli Pl	D34DMH1025	Legal
6/9/2025	34 - Normandy Terrac	65-3		46		Loomis St	D34DMH1020	Legal
1/14/2025	34 - Normandy Terrac	65-31		25		Spinelli Pl	D34DMH1025	legal
1/15/2025	34 - Normandy Terrac	65-31		25		Spinelli Pl	D34DMH1025	Legal
1/15/2025	34 - Normandy Terrac	65-31		25		Spinelli Pl	D34DMH1025	Legal
1/15/2025	34 - Normandy Terrac	65-31		25		Spinelli Pl	D34DMH1025	Legal
1/15/2025	34 - Normandy Terrac	65-31		25		Spinelli Pl	D34DMH1025	Legal
12/17/2024	34 - Normandy Terrac	65-37		765		Concord Ave	D34DMH2020	Legal
12/18/2024	34 - Normandy Terrac	65-37		765		Concord Ave	D34DMH2020	Legal
10/23/2024	34 - Normandy Terrac	65-49		769		Concord Ave	D34DMH2015	Legal

Appendix S: D34 Normandy Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
10/2/2024	34 - Normandy Terrac	65-5		36		Loomis St	D34DMH1020	Legal
10/2/2024	34 - Normandy Terrac	65-5		36		Loomis St	D34DMH1020	Legal
10/30/2024	34 - Normandy Terrac	70-1		17		South Normandy Av	D34DMH1610	Legal
10/17/2024	34 - Normandy Terrac	70-6		39		Sunset Rd	D34DMH1610	Legal
10/17/2024	34 - Normandy Terrac	70-6		39		Sunset Rd	D34DMH1610	Legal
10/17/2024	34 - Normandy Terrac	70-6		39		Sunset Rd	D34DMH1610	Legal
10/17/2024	34 - Normandy Terrac	70-6		39		Sunset Rd	D34DMH1610	Legal
5/28/2025	34 - Normandy Terrac	70-9		35		Sunset Rd	D34DMH1610	Legal
5/28/2025	34 - Normandy Terrac	70-9		35		Sunset Rd	D34DMH1610	Legal
10/30/2024	34 - Normandy Terrac	70-1		17		South Normandy Av	D34DMH1610	Legal

Appendix T: D34 Normandy Ave Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field Chlorine Value	E. CoLi (MPN/100mL)	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
9/4/2024	D34 - Normandy Terrace	D34DMH1310	D34DMH1405_D34DMH1310	SE	Normandy Ave							None, by Sandbag/Test Kit
9/4/2024	D34 - Normandy Terrace	D34DMH1315	D34DMH1605_D34DMH1315	SE	outh Normandy Av	10 mg/L	0.5 mg/L	0.37 mg/L	>241,960	15.5 mg/L	0.100 mg/L	ositive Test Kit During Inspection
9/4/2024	D34 - Normandy Terrace	D34DMH1315	D34DMH1805_D34DMH1315	NW	outh Normandy Av	10 mg/L	3 mg/L	0.38 mg/L	>241,960	10.2 mg/L	2.31 mg/L	ositive Test Kit During Inspection
9/4/2024	D34 - Normandy Terrace	D34DMH1405	D34DMH1410_D34DMH1405	SW	GriswoLd St							None, by Sandbag/Test Kit
9/4/2024	D34 - Normandy Terrace	D34DMH1405	D34DMH1510_D34DMH1405	SE	GriswoLd St							None, by Sandbag/Test Kit
9/4/2024	D34 - Normandy Terrace	D34DMH1610	D34DMH1615_D34DMH1610	SW	Sunset Dr							N/A - Standing Water
9/4/2024	D34 - Normandy Terrace	D34DMH1610	D34DMH1710_D34DMH1610	SE	Sunset Dr	10 mg/L	2 mg/L	0.13 mg/L	>241,960	14.6 mg/L	0.200 mg/L	ositive Test Kit During Inspection
9/4/2024	D34 - Normandy Terrace	D34DMH1710	FIT8002_D34DMH1710	SE	Sunset Dr	0.1 mg/L	0.25 mg/L	0.32 mg/L	<1	ND	ND	sitive Test Kit During Sandbaggi
9/10/2024	D34 - Normandy Terrace	D34DMH1025	D34DMH1030_D34DMH1025	S	SpineLLi PL	5 mg/L	1.5 mg/L	0.35 mg/L	4874 100	0.167 mg/L	ND	ositive Test Kit During Inspection
9/10/2024	D34 - Normandy Terrace	D34DMH1025	D34DMH2005_D34DMH1025	SE	SpineLLi PL	0.1 mg/L	1.5 mg/L	2.01 mg/L	1413.61	4.8 mg/L	0.41 mg/L	ositive Test Kit During Inspection
9/10/2024	D34 - Normandy Terrace	D34DMH2015	D34DMH2020_D34DMH2015	SW	SpineLLi PL							N/A - Standing Water
9/10/2024	D34 - Normandy Terrace	D34DMH2015	FIT7649_D34DMH2015	SE	SpineLLi PL							N/A - Standing Water
9/10/2024	D34 - Normandy Terrace	D34DMH2050	D34DMH3205_D34DMH2050	E	Concord Ave	0.1 mg/L	1 mg/L	0.23 mg/L	6695	0.105 mg/L	ND	ositive Test Kit During Inspection
9/10/2024	D34 - Normandy Terrace	D34DMH2050	D34DMH3210_D34DMH2050	NW	Concord Ave							None, by Sandbag/Test Kit
9/10/2024	D34 - Normandy Terrace	D34DMH3207	FIT9164_D34DMH3207	SE	Concord Ave							None, by Sandbag/Test Kit
9/16/2024	D34 - Normandy Terrace	D33DMH1220	D33DMH1225_D33DMH1220	SW	Concord Ave							None, by Sandbag/Test Kit
9/16/2024	D34 - Normandy Terrace	D34DMH1010	D34DMH1105_D34DMH1010	E	Mooney St							None, by Sandbag/Test Kit
9/16/2024	D34 - Normandy Terrace	D34DMH1205	D34DMH1210_D34DMH1205	SW	Concord Ave							None, by Sandbag/Test Kit
9/17/2024	D34 - Normandy Terrace	D34DMH1815	FIT8230_D34DMH1815	SW	SpineLLi PL	6 mg/L	1 mg/L	0.88 mg/L	>241,960	19.3 mg/L	1.44 mg/L	ositive Test Kit During Inspection
9/17/2024	D34 - Normandy Terrace	D34DMH2005	D34DMH2015_D34DMH2005	S	CoLumbus Ave							N/A - Standing Water
9/17/2024	D34 - Normandy Terrace	D34DMH2005	D34DMH2110_D34DMH2005	E	CoLumbus Ave	0.25 mg/L	1.5 mg/L	0.51 mg/L	344.8	7.46 mg/L	0.690 mg/L	ositive Test Kit During Inspection
9/18/2024	D34 - Normandy Terrace	D34DMH1010	D34DMH1015_D34DMH1010	S	Mooney St							N/A - Standing Water
9/18/2024	D34 - Normandy Terrace	D34DMH1015	D34DMH1310_D34DMH1015	W	CoLumbus Ave	7 mg/L	0.75 mg/L	0.14 mg/L	34,480	8.84 mg/L	0.08 mg/L	ositive Test Kit During Inspection
9/19/2024	D34 - Normandy Terrace	D33OF0000	D33DMH1010_D33DMH1005	SE	BLanchard Rd							None, by Sandbag/Test Kit
9/30/2024	D34 - Normandy Terrace	D33DMH0000	D33DMH1010_D33DMH1005	SE	BLanchard Rd							None, by Sandbag/Test Kit
1/21/2025	D34 - Normandy Terrace	D34DMH2110	D34DMH2115_D34DMH2110	E	SpineLLi PL							N/A - Standing Water
4/30/2025	D34 - Normandy Terrace	D34DMH1610	D34DMH1710_D34DMH1610	SE	Sunset Dr	4 mg/L	0.25 mg/L	0.06 mg/L	26,025	2.33 mg/L	ND	ositive Test Kit During Inspection
9/10/2024	D34 - Normandy Terrace	D34DMH3207	FIT9164_D34DMH3207A	SE	Concord Ave							None, by Sandbag/Test Kit
9/10/2024	D34 - Normandy Ave	D34DMH3207	D34DMH3010_D34DMH3207	E	Concord Ave							None, by Sandbag/Test Kit

Appendix U: D38 Jackson Place Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
1/29/2025	34 - Normandy Terrac	46-17		54		Spinelli Pl	D34DMH1025	Legal
1/29/2025	34 - Normandy Terrac	46-17		55		Spinelli Pl	D34DMH1025	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal

Appendix U: D38 Jackson Place Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
10/15/2024	34 - Normandy Terrac	46-5		26		Normandy Ter	D34DMH1005	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
4/2/2025	34 - Normandy Terrac	55-2		27		Normandy Ter	ds4dmh1015	Not Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-29		11		Loomis St	D34DMH1405	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1020	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-36		23		South Normandy Av	D34DMH1610	Legal
10/15/2024	34 - Normandy Terrac	55-39		44		Sunset Rd	D34DMH1610	Legal
10/2/2024	34 - Normandy Terrac	55-4		17		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
12/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/29/2024	34 - Normandy Terrac	55-49		30		Sunset Rd	D34DMH1610	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal

Appendix U: D38 Jackson Place Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
9/30/2024	34 - Normandy Terrac	58-11		1	3	Normandy Ave	D34DMH1815	Dye in SMH and DMH
10/22/2024	34 - Normandy Terrac	58-6		23		Normandy Ave	D34DMH1805	Legal
10/8/2024	34 - Normandy Terrac	58-7		15		Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
10/24/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/22/2025	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
10/30/2024	34 - Normandy Terrac 44-7			45		Spinelli Pl	D34DMH2005	Legal
10/30/2024	bridgepark Drive (Sher	44-7		130		Cambridgepark Dr	D45DMH4315	Legal
9/5/2024	bridgepark Drive (Sher	44-7		130		Cambridgepark Dr	D45DMH4555	No Dye Observed
10/29/2024	bridgepark Drive (Sher	44-7		130		Cambridgepark Dr	D45DMH4315	Legal
12/12/2024	bridgepark Drive (Sher	44-7		130		Cambridgepark Dr	D36UGS0023	No Fixtures
9/5/2024	bridgepark Drive (Sher	44-7		130		Cambridgepark Dr	D45DMH4555	No Dye Observed
9/16/2024	bridgepark Drive (Sher	59-49		310		Rindge Ave	D53DMH0030	Legal
9/10/2024	bridgepark Drive (Sher	59-49		312		Rindge Ave	D53DMH0030	Legal
9/10/2024	bridgepark Drive (Sher	70-1		312		Rindge Ave	D53DMH0030	Legal

Appendix V: D38 Jackson Place Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	FieLd Ammonia VaLue	FieLd Surfactants VaLue	FieLd ChLorine VaLue	E. CoLi (MPN/100mL)	Lab Ammonia ResuLts	Lab Surfactants ResuLts	Contamination Found By
12/12/2024	nbridgepark Drive (Sherm	D45DMH4125	D45DMH4560_D45DMH4555	SE	Cambridgepark Dr	10 mg/L	3 mg/L	0.4 mg/L	>241960	11.4 mg/L		Positive Test Kit During Inspectio

Appendix W: D40 Harrison St Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	Field Ammonia Value	Field Surfactants Value	Field ChLorine Value	E. CoLi ( )	Lab Ammonia Results	Lab Surfactants Results	Contamination Found By
9/16/2024	D40 - Harrison Avenue	D40DMH1690	D40DMH1695_D40DMH1690	W	Whittemore Ave							None, by Sandbag/Test Kit
9/16/2024	D40 - Harrison Avenue	D40DMH1690	D40DMH3010_D40DMH1690	N	Whittemore Ave							N/A - Partial Inspection
9/16/2024	D40 - Harrison Avenue	D40DMH1705	FITT2142_D40DMH1705	W	Normandy Ave							None, by Sandbag/Test Kit
9/17/2024	D40 - Harrison Avenue	D40DMH1422	D40DMH1470_D40DMH1422	SW	Kimball St							N/A - Standing Water
9/17/2024	D40 - Harrison Avenue	D40DMH1430	FITT2172_D40DMH1430	S	Columbus Ave							N/A - Standing Water
9/17/2024	D40 - Harrison Avenue	D40DMH1470	D40DMH1500_D40DMH1470	SW	Columbus Ave							N/A - Standing Water
9/17/2024	D40 - Harrison Avenue	D40DMH1500	D40DMH1425_D40DMH1500	SW	Normandy Ter							N/A - Standing Water
9/17/2024	D40 - Harrison Avenue	D40DMH1500	D40DMH1503_D40DMH1500	NW	Normandy Ter							N/A - Standing Water
9/19/2024	D40 - Harrison Avenue	D40OF0000	FITT2190_CAM400	SE	Alewife Brook Pkwy							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH0015	D40DMH0020_D40DMH0015	SE	Seagrave Rd							None, by Sandbag/Test Kit
9/30/2024	D40 - Harrison Avenue	D40DMH1508	D40DMH1510_D40DMH1508	SW	Seagrave Rd							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH1515	FITT2162_D40DMH1515	SW	Seagrave Rd							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH2020	D40DMH2020_FITT2179	NE	Whittemore Ave							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH4000	D40COM4002_D40DMH4000	W	Whittemore Ave							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH4000	FITT2150_D40DMH4000	E	Whittemore Ave							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH4001	FITT2151_D40DMH4001	E	Whittemore Ave							N/A - Standing Water
9/30/2024	D40 - Harrison Avenue	D40DMH4005	D40DMH4015_D40DMH4005	SE	Whittemore Ave							None, by Sandbag/Test Kit
9/30/2024	D40 - Harrison Avenue	D40DMH4005	D40DMH4100_D40DMH4005	NW	Whittemore Ave							None, by Sandbag/Test Kit
5/12/2025	D40 - Harrison Avenue	D40DMH4155	D40DMH4160_D40DMH4155	S	Whittemore Ave							None, by Sandbag/Test Kit



Appendix X: D46 Acorn Park Dr Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
12/5/2024	34 - Normandy Terrac	46-1		745		Concord Ave	D34DMH2020	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-10		30		Normandy Ave	D34DMH1805	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
10/23/2024	34 - Normandy Terrac	46-12		44		Spinelli Pl	D34DMH2005	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
12/17/2024	34 - Normandy Terrac	46-14		104		Normandy Ave	D34DMH1015	Legal
1/29/2025	34 - Normandy Terrac	46-17		54		Spinelli Pl	D34DMH1025	Legal
1/29/2025	34 - Normandy Terrac	46-17		55		Spinelli Pl	D34DMH1025	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
12/9/2024	34 - Normandy Terrac	46-24		767		Concord Ave	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/22/2025	34 - Normandy Terrac	46-26		763		Spinelli Pl	D34DMH2005	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy ave	D34DMH1805	Legal
1/21/2025	34 - Normandy Terrac	46-3		32		Normandy Ave	D34DMH1805	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal

Appendix X: D46 Acorn Park Dr Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/5/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
12/9/2024	34 - Normandy Terrac	46-36		733		Concord Ave	D36DMH4907	Legal
10/15/2024	34 - Normandy Terrac	46-5		26		Normandy Ter	D34DMH1005	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-1		103		Normandy Ave	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
10/9/2024	34 - Normandy Terrac	55-2		27		Normandy Ter	D34DMH1005	Not Legal
4/2/2025	34 - Normandy Terrac	55-2		27		Normandy Ter	ds4dmh1015	Not Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
5/6/2025	34 - Normandy Terrac	55-24		1		Loomis St	D34DMH1405	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
10/14/2024	34 - Normandy Terrac	55-25		25		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-27		21		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-27		23		Loomis St	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-29		11		Loomis St	D34DMH1405	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1020	Legal
10/17/2024	34 - Normandy Terrac	55-3		23	25	Normandy Ter	D34DMH1015	Legal
10/9/2024	34 - Normandy Terrac	55-36		23		South Normandy Av	D34DMH1610	Legal
10/15/2024	34 - Normandy Terrac	55-39		44		Sunset Rd	D34DMH1610	Legal
10/2/2024	34 - Normandy Terrac	55-4		17		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
12/2/2024	34 - Normandy Terrac	55-44		42		Sunset Rd	D34DMH1610	Dye in SMH and DMH
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/9/2024	34 - Normandy Terrac	55-47		34		Sunset Rd	D34DMH1610	Legal
10/29/2024	34 - Normandy Terrac	55-49		30		Sunset Rd	D34DMH1610	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal

Appendix X: D46 Acorn Park Dr Ave Buildings Dye Tested

Inspection Date	Drainage Area	Building ID	Address ID	StreetNo	StreetNoExt	Street	Drain MH	TestResults
5/6/2025	34 - Normandy Terrac	55-5		99		Normandy Ave	D34DMH1015	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	55-57		40		Loomis St	D34DMH1020	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
10/2/2024	34 - Normandy Terrac	55-6		7		Normandy Ter	D34DMH1015	Legal
9/30/2024	34 - Normandy Terrac	58-11		1	3	Normandy Ave	D34DMH1815	Dye in SMH and DMH
10/22/2024	34 - Normandy Terrac	58-6		23		Normandy Ave	D34DMH1805	Legal
10/8/2024	34 - Normandy Terrac	58-7		15		Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
10/24/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/22/2025	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Legal
9/26/2024	34 - Normandy Terrac	58-9		7	9	Normandy Ave	D34DMH1815	Not Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/19/2025	34 - Normandy Terrac	65-14		34		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
5/28/2025	34 - Normandy Terrac	65-15		40		Loomis St	D34DMH1020	Legal
10/30/2024	34 - Normandy Terrac 44-7			45		Spinelli Pl	D34DMH2005	Legal
11/27/2024	D46 - Acorn Park Drive	9-10		30		Acorn Park Dr	ACCESS031	Legal
11/27/2024	D46 - Acorn Park Drive	9-10		20		Acorn Park Dr	ACCESS031	Legal
11/27/2024	D46 - Acorn Park Drive	9-7		60		Acorn Park Dr	ACCESS031	Legal

Appendix W: D40 Harrison St Contamintaion, Standing Water and Dry Sandbag Findings

Inspection Date	Drainage Area	MH ID	Pipe ID	Pipe Direction	Location	FieLd Ammonia VaLue	FieLd Surfactants VaLue	Field ChLorine VaLue	E. CoLi (MPN/100mL)	Lab Ammonia ResuLts	Lab Surfactants ResuLts	Contamination Found By
8/29/2024	D46 - Acorn Park Drive	D46DMH1050	D46DMH0150_D46DMH0120	NE	Acorn Park	0.2 mg/L	0	0.07 mg/L	<1	0.542 mg/L	ND	ositve Test Kit During Inspection