

# SOMERVILLE IDDE INVESTIGATION: PERMIT YEAR 4 CATCHMENT INVESTIGATION



TO: Lucica Hiller, City of Somerville, Stormwater Manager  
CC: Todd Prokop – Woodard & Curran  
Garrett Bergey – SDE  
FROM: David Moering and Chelsea Waite – Woodard & Curran  
DATE: September 23, 2022  
Revised October 14, 2022  
RE: Somerville IDDE Investigation – Permit Year 4 Catchment Investigation Memo  
Revision No. 1

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This Catchment Memo summarizes the key findings of inspections and recommendations for Task 3, Illicit Discharge, Detection, and Elimination (IDDE) Investigation: Data Management and Reporting. Woodard & Curran, along with their subcontractor, Stacey DePasquale Engineering, Inc (SDE), organized and performed the inspections described in this report. The inspection results summarized in this report, unless otherwise noted, took place between July 1, 2021, through June 30, 2022.

## Investigation Approach

Field crews completed catchment investigations in the following catchments:

- Catchment 7
- Catchment 28
- Catchment 31
- Catchment 32

Woodard & Curran conducted follow-up investigations of the pipe segments with high levels of contamination via building inspections, dye flushing of private infrastructure, dye flushing of public infrastructure, and mapping related field investigations. The areas for further investigation were identified during Permit Year 3 (July 1, 2020, through June 30, 2021). In most areas, buildings adjacent to contaminated pipes were targeted for building inspections. In areas with high rise or large commercial buildings, like Assembly Square, the City performed dye flushing of public infrastructure in efforts to rule out issues within the City's infrastructure before attempting large-scale building inspections.

The building inspection effort is detailed in Appendix A, Somerville IDDE Investigation – Permit Year 4 Building Inspection Memo. Results from the building inspection effort are also included in this memo.

A summary of the investigations completed during Permit Year 4 and the recommendations for next steps are provided below.



## CATCHMENT 7

Catchment 7 is located along Broadway from Clarendon Avenue, including Weston Avenue, to the Alewife Brook. The outfall for this catchment discharges into the Alewife Brook. Contaminated storm drain manholes identified during Permit Year 3 are presented in Table 1.

**TABLE 1: CONTAMINATED STORM DRAIN MANHOLES IN CATCHMENT 7**

| Manhole | Pipe          | Street                      | Ammonia (mg/L) | Surfactants (mg/L) | Chlorine (mg/L) |
|---------|---------------|-----------------------------|----------------|--------------------|-----------------|
| 7-5827  | 7-5828:7-5827 | Broadway at Farragut Street | 1              | 0.25               | Not detected    |
| 7-6377  | 7-6376:7-6377 | Broadway at Belknap Street  | 10             | 0.25               | 0.8             |
| 7-5833  | UNK:7-5833    | Weston Avenue               | 2              | 3                  | 0.61            |

### Permit Year 4 Investigation

The City attempted building inspections at buildings adjacent to storm drain manholes and associated pipes from Table 1. The inspection results are presented in Table 2.

**TABLE 2: BUILDING INVESTIGATION RESULTS IN CATCHMENT 7**

| Catchment | Address            | Contaminated MH | Status                    | Comments  |
|-----------|--------------------|-----------------|---------------------------|---|
| 7         | 1198 BROADWAY      | 7-5827          | Legal, follow up required | Need to inspect all units in building.                |
| 7         | 1214 BROADWAY      | 7-5827          | Legal                     |   |
| 7         | 1230 BROADWAY      | 7-5827          | Legal                     |   |
| 7         | 1234 BROADWAY      | 7-5827          | No Dye Observed           | Basement washing machine tested No Dye Observed.      |
| 7         | 1238 BROADWAY      | 7-5827          | Legal                     |   |
| 7         | 1241 BROADWAY      | 7-6377          | Removed                   | House burned down 7/4/22, after illicit verification. |
| 7         | 1247 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 1251 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 1255 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 1 RUSSELL RD       | 7-6377          | Legal                     |   |
| 7         | 21 CLARENDON AVE   | 7-5833          | Legal                     |   |
| 7         | 16-42 WESTON AVE   | 7-5833          | Legal, follow up required | Need to inspect all units in building.                |
| 7         | 19-43 A WESTON AVE | 7-5833          | Legal                     |   |

Based on the building inspections completed during Permit Year 4, the City has found the source of the illicit connection in one of the three contaminated areas. The source of illicit



connection at storm drain manhole 7-5827 was found at 1241 Broadway. The source of contamination at storm drain manholes 7-5827 and 7-5833 is not known as all completed building inspections yielded Legal or No Dye Found results.

The City held a site visit at Weston Avenue storm drain manhole 7-5833 on September 13, 2022 to investigate the source of contamination. The field visit including mapping investigations, manhole sampling and dye testing of private drainage at 16-42 Weston Avenue, a large condo complex. The data from this investigation is still being processed and is not available for reporting at this time. However, based on these investigations, the source of the illicit connection was not identified.

### **Next Steps**

There are two remaining areas in Catchment 7, storm drain manholes 7-5827 and 7-5833, where the source of contamination is still not known. For next steps at storm drain manhole 7-5827, the City plans to perform additional inspections at all units in 1198 Broadway. For next steps at storm drain manhole 7-5833, the City plans to review any available record drawings at 16-42 Weston Avenue and complete thorough building inspection dye testing in every unit in the building.

As mentioned in the building inspection memo, included in Appendix A, the City was successful in contacting the property owner at 1241 Broadway and providing the next steps needed to remove the illicit connection identified in the sewer lateral at their property. On July 4th, a three-alarm fire broke out at the property and the three-apartment house has been uninhabitable since.

The City has flagged this address in the permitting system. When a demolition permit is submitted, the conditions on that permit will be to cut and cap all existing utilities at their respective mains; when a building permit is submitted, the applicant will be required to create a new sewer connection before a Certificate of Occupancy is issued. For these reasons, the City considers that this illicit connection has been removed as of July 4, 2022.

The City plans to conduct confirmatory dye testing at this location at the time the Certificate of Occupancy is issued, additional dye testing in the upstream and downstream sewer manholes and resample storm drain manholes to confirm that no additional illicit connections exist in that segment of the pipe.





# Catchment Investigation Status Map

Somerville, Massachusetts  
Permit Year 4

## Catchment 7



**Legend**

**IDDE Building Inspection Status**

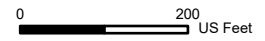
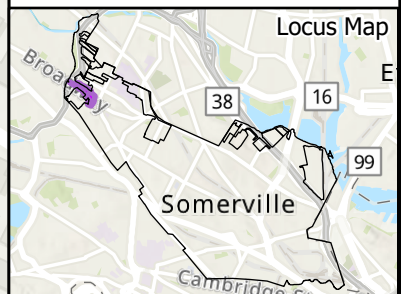
- Legal (Green outline)
- No dye observed (Brown outline)
- Illicit removed (Blue outline)
- Planned (Purple outline)

**IDDE Pipe Investigation Status**

- Cleared (Green line)
- Suspected (Red line)
- Suspected Low Priority (Orange line)
- Upstream Contamination (Yellow line)
- Standing Water (Blue line)

**Somerville**

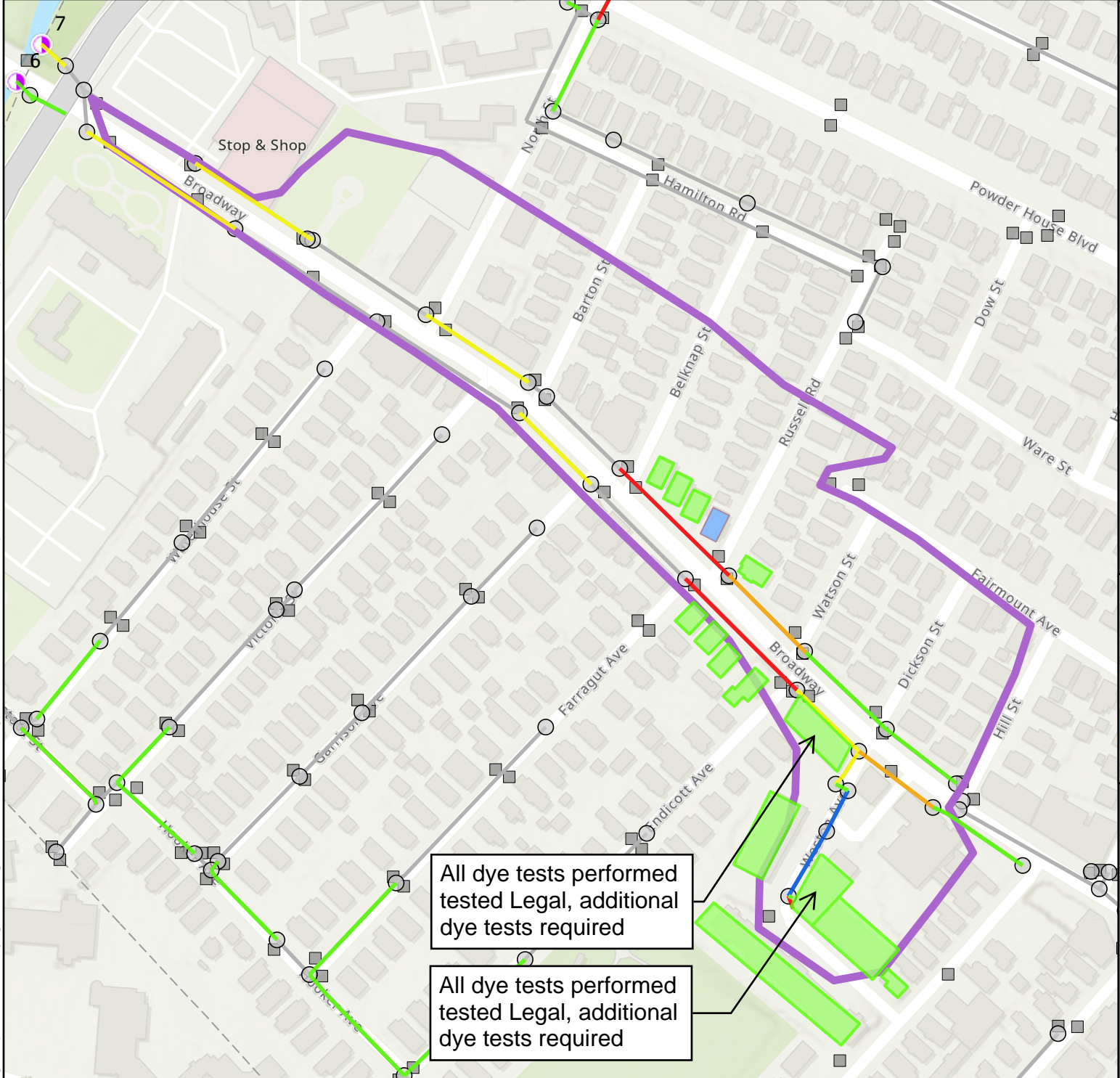
- Outfall (Pink dot)
- Storm Catchments (Purple outline)
- Storm Manholes (White circle)
- Storm Gravity Mains (Grey line)
- Catch Basins (Grey square)



Project #: 0232622.04  
Map Created: October 2022

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Figure\_Exported\_10/11/2022\_By\_aguerrero\_Using\_woodardcurran\_refshared\Projects\0232622\_04\_Somerville\_MA\_-\_IDDE\_Implementation\_Services\wp\GIS\Projects\PY4\_Catchment\_Maps.aprx



All dye tests performed tested Legal, additional dye tests required

All dye tests performed tested Legal, additional dye tests required

## CATCHMENT 28

Catchment 28 is located at the Ten Hills neighborhood, including parts of Shore Drive, Melvin Road, Crest Hill Road, and Ten Hills Road. The outfall for this catchment discharges into the Mystic River. Contaminated storm drain manholes identified during Permit Year 3 are presented in Table 3.



**TABLE 3: CONTAMINATED STORM MANHOLES IN CATCHMENT 28**

| Manhole  | Pipe            | Street          | Ammonia (mg/L) | Surfactants (mg/L) | Chlorine (mg/L) |
|----------|-----------------|-----------------|----------------|--------------------|-----------------|
| 28-51505 | 28-5555:28-5105 | Shore Drive     | 5              | 0.5                | 0.81            |
| 28-51505 | 28-5517:28-5105 | Crest Hill Road | 0.6            | 0.25               | 0.04            |
| 28-51505 | 28-5551:28-5105 | Shore Drive     | 4              | 0.5                | 0.41            |

### Permit Year 4 Investigation

The City attempted building inspections at buildings adjacent to the three storm drain manholes and associated pipes from Table 3. The inspection results are presented in Table 4.

**TABLE 4: BUILDING INSPECTION RESULTS IN CATCHMENT 28**

| Catchment | Address          | Contaminated MH | Status                   | Comments  |
|-----------|------------------|-----------------|--------------------------|-----------|
| 28        | 9 CREST HILL RD  | 28-5105         | Attempted, Not Inspected | Ten Hills |
| 28        | 15 CREST HILL RD | 28-5105         | Legal                    | Ten Hills |
| 28        | 93 SHORE DR      | 28-5105         | Legal                    | Ten Hills |
| 28        | 95 SHORE DR      | 28-5105         | Attempted, Not Inspected | Ten Hills |
| 28        | 105 SHORE DR     | 28-5105         | Legal                    | Ten Hills |
| 28        | 107 SHORE DR     | 28-5105         | Legal                    | Ten Hills |
| 28        | 111 SHORE DR     | 28-5105         | Legal                    | Ten Hills |
| 28        | 115 SHORE DR     | 28-5105         | Attempted, Not Inspected | Ten Hills |
| 28        | 119-121 SHORE DR | 28-5105         | Legal                    | Ten Hills |
| 28        | 121 TEN HILLS RD | 28-5105         | Legal                    | Ten Hills |
| 28        | 125 TEN HILLS RD | 28-5105         | Attempted, Not Inspected | Ten Hills |

Based on the building inspections completed during Permit Year 4, the City has not found the source of the suspected illicit connections in Catchment 28. The source of contamination at storm drain manhole 28-5105 is not known as all completed building inspections yielded Legal results.

## **Next Steps**

For next steps at storm drain manhole 28-5105, the City plans to reattempt building inspections at 9 Crest Hill Road, 95 Shore Drive, 115 Shore Drive, and 125 Ten Hills Road. The City plans on making additional calls to property owners and mailing a more strongly worded letter to the homeowners.



# Catchment Investigation Status Map

Somerville, Massachusetts  
Permit Year 4

## Catchment 28



**Legend**

IDDE Building Inspection Status

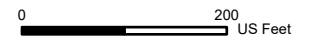
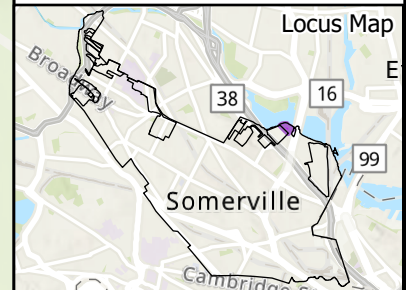
- Legal (Green outline)
- Planned (Purple outline)

IDDE Pipe Investigation Status

- Cleared (Green line)
- Suspected (Red line)
- Suspected Low Priority (Orange line)
- Upstream Contamination (Yellow line)
- Standing Water (Blue line)

Somerville

- Outfall (Purple dot)
- Storm Catchments (Purple outline)
- Storm Manholes (White circle with black border)
- Storm Gravity Mains (Grey line)
- Catch Basins (Grey square)



**Woodard  
& Curran**

Project #: 0232622.04  
Map Created: September 2022

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

Figure Exported: 9/22/2022. By: aguerrero. Using: \\woodardcurran.net\share\GIS\Projects\0232622.04\Somerville\_MA\_IDDE\_Implementation\_Services\wp\GIS\Projects\PY4\_Catchment\_Maps.aprx





## CATCHMENT 31

Catchment 31 is located along Broadway from Boston Avenue to Bay State Avenue, it extends up Pearson Road, and covers the neighborhood and a portion of Tufts University campus west of Pearson Road. The “outfall” for this catchment is an interconnection manhole with the City of Medford, located on Pearson Road. Contaminated storm drain manholes identified during Permit Year 3 are presented in Table 5.

**TABLE 5: CONTAMINATED STORM DRAIN MANHOLES IN CATCHMENT 31**

| Manhole | Pipe            | Street   | Ammonia (mg/L) | Surfactants (mg/L) | Chlorine (mg/L) |
|---------|-----------------|----------|----------------|--------------------|-----------------|
| 31-6455 | 31-5005:31-6455 | Broadway | 10             | 0.75               | 0.54            |

### Permit Year 4 Investigation

The City attempted building inspections, dye testing, and mapping investigations at buildings adjacent to the manhole and associated pipe from Table 5. The building inspection results are presented in Table 6.

**TABLE 6: BUILDING INSPECTION RESULTS IN CATCHMENT 31**

| Drainage Area | Address      | Contaminated MH | Status | Comments                                       |
|---------------|--------------|-----------------|--------|--|
| 31            | 692 BROADWAY | 31-6455         | Legal  | Building is labeled as 682-694 Broadway in GIS |
| 31            | 701 BROADWAY | 31-6455         | Legal  | Building is labeled as 691-705 Broadway in GIS |

The City performed mapping investigations on Rogers Avenue to confirm if common manhole M-246 on Rogers Avenue was contributing to downstream contamination findings. Both pipes in manhole M-246 were dye tested.

- The dye placed in the sewer channel in M-246 was determined to be connected to sewer manhole M-248.
- The dye placed in the drain channel in M-246 was seen in both storm drain manhole 31-247 (sewer not going through this manhole) as well as storm drain manhole 31-5004.
- No illicit connections were found in this infrastructure.

Based on the building inspections completed during Permit Year 4, the City has not found the source of the suspected illicit connections in Catchment 31. The source of contamination at storm drain manhole 31-6455 is not known as all completed building inspections yielded Legal results.

## Next Steps

For next steps at storm drain manhole 31-6455, the City plans to dye test the sewers on Broadway, adjacent to the manhole.



# Catchment Investigation Status Map

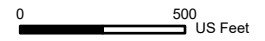
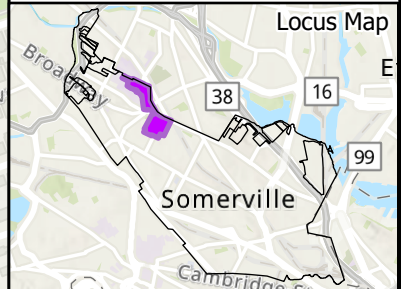
Somerville, Massachusetts  
Permit Year 4

## Catchment 31

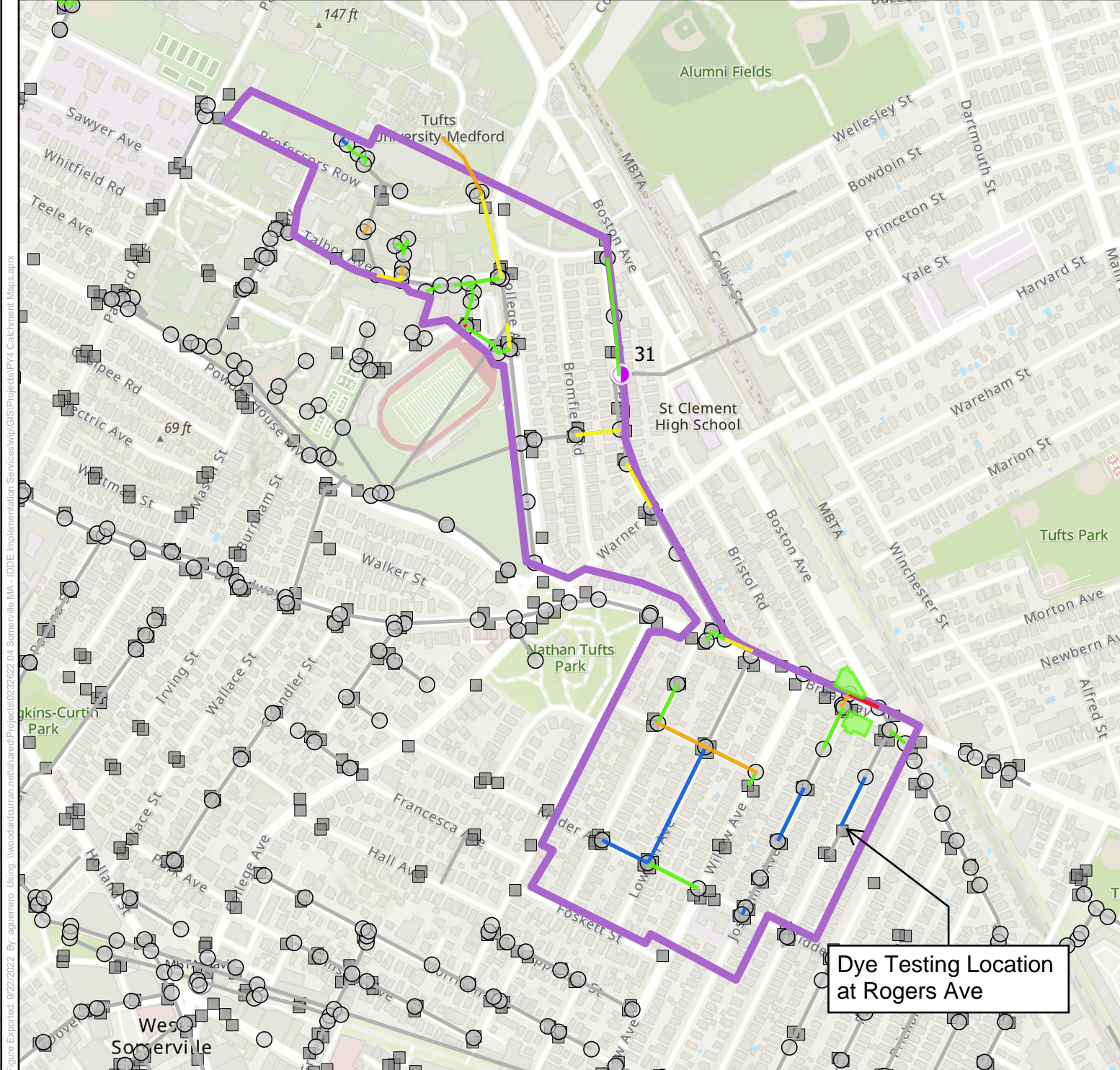


**Legend**

- IDDE Building Inspection Status
  - Legal
- IDDE Pipe Investigation Status
  - Cleared
  - Suspected
  - Suspected Low Priority
  - Upstream Contamination
  - Standing Water
- Somerville
  - Outfall
  - Storm Catchments
  - Storm Manholes
  - Storm Gravity Mains
  - Catch Basins



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Map Created: September 2022  
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Dye Testing Location  
at Rogers Ave

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## CATCHMENT 32

Catchment 32 is located at the Assembly Square neighborhood. The catchment is bordered by the Mystic River, the MBTA railroad, Mystic Avenue, Revolution Drive, and Grand Union Boulevard. The outfall for this catchment discharges to Mystic River. Contaminated storm drain manholes identified during Permit Year 3 are presented in Table 7.

**TABLE 7: CONTAMINATED STORM DRAIN MANHOLES IN CATCHMENT 32**

| Manhole | Pipe            | Street           | Ammonia (mg/L) | Surfactants (mg/L) | Chlorine (mg/L) |
|---------|-----------------|------------------|----------------|--------------------|-----------------|
| 32-6265 | 32-6267:32-6265 | Revolution Drive | 3              | 0.25               | 0.26            |
| 32-6389 | 32-6124:32-6389 | Foley Street     | 0.8            | 0.25               | 0.09            |
| 32-6122 | UNK:32-6122     | Canal Street     | 10             | 1.5                | Not detected    |

### Permit Year 4 Investigation

The City attempted dye testing storm pipes listed in Table 7 as well as adjacent sewer pipes. A summary of their investigation findings is listed below:

- Storm Drain Manhole 32-6389 on Foley Street
  - Dye tested sewer manhole S2-3282
  - Sewer manhole S2-3282 connects to sewer manhole S2-3324
  - No dye was seen in storm drain manhole 32-6389; no illicit connection found
- Storm Drain Manhole 32-6389 on Foley Street
  - Dye tested sewer manhole S2-3326
  - Sewer manhole S2-3326 connects to sewer manhole S2-3324
  - No dye seen in storm drain manhole 32-6389; no illicit connection found
- Storm Drain Manhole 32-6122 on Canal Street
  - Dye tested sewer manhole S2-3222
  - Sewer manhole S2-3222 connects to sewer manhole S2-3287
  - No dye seen in storm drain manhole 32-6122; no illicit connection found
- Storm Drain Manhole 32-6265 on Revolution Drive was not dye tested as there are currently no sewer mapped in this area.

### Next Steps

Based on the investigations completed during Permit Year 4, the City did not find infrastructural issues or illicit connections in the City's infrastructure in the previously identified contaminated areas. Next steps for these three areas are listed below:

- Storm Drain Manhole 32-6265 at Revolution Drive
  - Update GIS mapping based on recent record drawings. These record drawings show infrastructure upstream of the contaminated pipes that are not mapped in the City's GIS. Once mapped, the City will sample the upstream infrastructure to isolate the area of contamination.



- Storm Drain Manhole 32-6389 on Foley Street
  - City to perform building inspections at buildings adjacent to this manhole
- Storm Drain Manhole 32-6122 on Canal Street
  - City to perform building inspections at buildings adjacent to this manhole



# Catchment Investigation Status Map

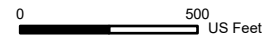
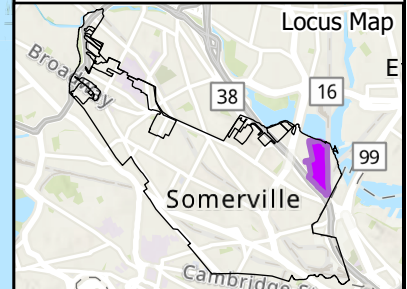
Somerville, Massachusetts  
Permit Year 4

## Catchment 32



**Legend**

- Planned
- IDDE Pipe Investigation Status
  - Cleared
  - Suspected
  - Suspected Low Priority
  - Upstream Contamination
  - Standing Water
- Somerville
  - Outfall
  - Storm Catchments
  - Storm Manholes
  - Storm Gravity Mains
  - Catch Basins

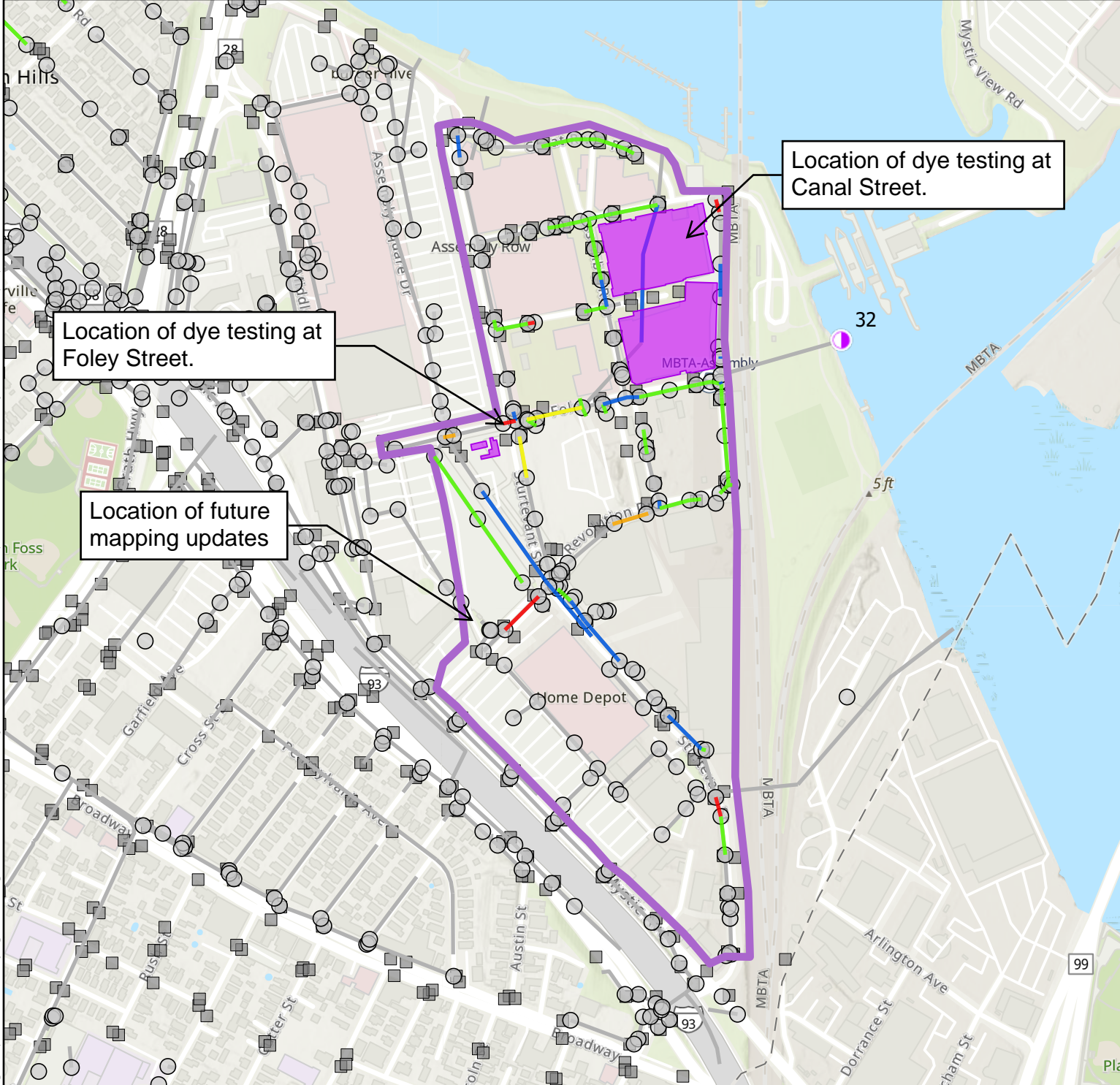


**Woodard  
& Curran**

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Location of dye testing at Canal Street.

Location of dye testing at Foley Street.

Location of future mapping updates



**APPENDIX A: PERMIT YEAR 4 BUILDING INSPECTION MEMO**

# SOMERVILLE IDDE INVESTIGATION: PERMIT YEAR 4 BUILDING INSPECTIONS



TO: Lucica Hiller, City of Somerville, Stormwater Manager  
CC: Todd Prokop – Woodard & Curran  
Garrett Bergey – SDE  
FROM: David Moering and Chelsea Waite – Woodard & Curran  
DATE: September 23, 2022  
Revised October 14, 2022  
RE: Somerville IDDE Investigation – Permit Year 4 Building Inspection Memo  
Revision No. 1

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This Building Inspection Memo summarizes the key findings of inspections and recommendations for Task 1, Illicit Discharge, Detection, and Elimination (IDDE) Investigation: Building Inspections. Woodard & Curran, along with their subcontractor, Stacey DePasquale Engineering, Inc (SDE), organized and performed the inspections described in this report. The inspection results summarized in this report took place between July 1, 2021, through June 30, 2022.

## **Investigation Approach**

Field crews completed building inspections in the following catchments:

- Catchment 7
- Catchment 28
- Catchment 31

Woodard & Curran conducted follow-up investigations of the pipe segments with high levels of contamination via building inspections and dye flushing. These pipe segments were identified during the previous reporting year (July 1, 2020, through June 30, 2021). Buildings adjacent to these previously identified pipes were targeted for building inspections. Woodard & Curran assisted the City with letter generation and distribution to the building addresses. Further description of these activities and results are presented in the next section.

Dye testing and visual inspection of private sewer infrastructure was part of the building inspection procedure. Field crews dye tested plumbing fixtures on at least two levels of the building. After the dye test was completed, a crew member looked for confirmation of dye in both sewer and stormwater manholes in the street to determine which system the

sewer service is connected to. The crew also performed a visual inspection of the services leaving the building. The results of the building inspections can be categorized as the types described below. Inspection data for all inspected properties can be found in Attachment 1.

- *Legal:* Dye test result is Legal if dye is observed in sewer system only. This result confirms that an illicit connection does not exist at this property.
- *Not Legal:* Dye test result is Not Legal if dye is observed in stormwater system only. This result confirms that an illicit connection does exist at this property.
- *Dye in Both:* Dye test result is Dye in Both if dye is observed in sewer system and storm drain. This result is considered inconclusive, but typically occurs when there is a leaking sewer lateral.
- *No Dye Found:* Dye test result is No Dye Found if dye is neither observed in sewer system nor the storm drain. This result is inconclusive and further inspection of the infrastructure in the area should be completed.

### **Building Investigation Results**

Twenty-six (26) building inspections were attempted during this reporting period. Of the 26 buildings, the City was able to access and complete 20 inspections and 44 dye tests. Table 1 shows the building inspection results and current building status. Attachment 2 includes maps of the building locations and building status.

Of the 20 completed building inspections, two buildings had inconclusive results. 1241 Broadway tested "Dye in Both" and 1234 Broadway tested "No Dye Found". The remaining 18 buildings were found to be legally connected to the City's sewer system. Attachment 3 provides a list of the verified illicit connections and action items associated with the notification and abatement schedule.

The City was successful in contacting the property owner at 1241 Broadway and providing the next steps needed to remove the illicit connection identified at their property. On July 4<sup>th</sup>, a three-alarm fire broke out at the property and the three-apartment house has been uninhabitable since.

The City has flagged this address in the permitting system. When a demolition permit is submitted, the conditions on that permit will be to cut and cap all existing utilities at their respective mains. When a building permit is submitted, the applicant will be required to create a new sewer connection before a Certificate of Occupancy is issued. For these reasons, the City considers that this illicit connection has been removed as of July 4<sup>th</sup> 2022.

The City plans to conduct confirmatory dye testing at this location when the Certificate of Occupancy is issued, additional dye testing in the upstream and downstream sewer manholes, and resample drain manholes to confirm that no additional illicit connections exist in that segment of the pipe.

**TABLE 1: BUILDING INSPECTION RESULTS**



| Catchment | Address            | Contaminated MH | Status                    | Comments  |
|-----------|--------------------|-----------------|---------------------------|---|
| 7         | 1198 BROADWAY      | 7-5827          | Legal, follow up required | Need to inspect all units in building.                |
| 7         | 1214 BROADWAY      | 7-5827          | Legal                     |   |
| 7         | 1230 BROADWAY      | 7-5827          | Attempted, Not Inspected  | Multiple inspection attempts made.                    |
| 7         | 1234 BROADWAY      | 7-5827          | No Dye Observed           | Basement washing machine tested No Dye Observed.      |
| 7         | 1238 BROADWAY      | 7-5827          | Legal                     |   |
| 7         | 1241 BROADWAY      | 7-6377          | Dye in SMH and DMH        | House burned down 7/4/22, after illicit verification. |
| 7         | 1247 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 1251 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 1255 BROADWAY      | 7-6377          | Legal                     |   |
| 7         | 21 CLARENDON AVE   | 7-5833          | Legal                     |   |
| 7         | 1 RUSSELL RD       | 7-6377          | Legal                     |   |
| 7         | 16-42 WESTON AVE   | 7-5833          | Legal, follow up required | Need to inspect all units in building.                |
| 7         | 19-43 A WESTON AVE | 7-5833          | Legal                     |   |
| 28        | 9 CREST HILL RD    | 28-5105         | Attempted, Not Inspected  | Ten Hills   |
| 28        | 15 CREST HILL RD   | 28-5105         | Legal                     | Ten Hills   |
| 28        | 93 SHORE DR        | 28-5105         | Legal                     | Ten Hills   |
| 28        | 95 SHORE DR        | 28-5105         | Attempted, Not Inspected  | Ten Hills   |
| 28        | 105 SHORE DR       | 28-5105         | Legal                     | Ten Hills   |
| 28        | 107 SHORE DR       | 28-5105         | Legal                     | Ten Hills   |
| 28        | 111 SHORE DR       | 28-5105         | Legal                     | Ten Hills   |
| 28        | 115 SHORE DR       | 28-5105         | Attempted, Not Inspected  | Ten Hills   |
| 28        | 119-121 SHORE DR   | 28-5105         | Legal                     | Ten Hills   |
| 28        | 121 TEN HILLS RD   | 28-5105         | Legal                     | Ten Hills   |
| 28        | 125 TEN HILLS RD   | 28-5105         | Attempted, Not Inspected  | Ten Hills   |
| 31        | 692 BROADWAY       | 31-6455         | Legal                     | Building is labeled as 682-694 Broadway in GIS        |
| 31        | 701 BROADWAY       | 31-6455         | Legal                     | Building is labeled as 691-705 Broadway in GIS        |

## Next Steps

The City plans on taking further action to inspect the remaining four (4) buildings. This action includes making additional calls to property owners and mailing a more strongly worded letter to the homeowners. Additional building inspections are expected to be completed in Permit Year 5. Background on these inspections can be found in the City's Permit Year 5 Catchment Investigation Summary.





**ATTACHMENT 1: BUILDING INSPECTION DATA**



Permit Year 4 Building Inspection Data

| Parcel ID:       | Address            | Test Date: | Floors: | Building Type:       | Flat Roof: | Downspouts:                    | Access By:                                | Over 18: | Basement | Plumbing Fixtures:                            | Basement Pipe Connection:                            | Building Pipe Connection:                             | Multi Services Connection:                            | Fixture Tested:            | Sewer MH 1:                  | Dye Observed in Sewer MH 1: | Drain MH 1: | Dye Observed in Drain MH 1: | Dye Observed in Other MH 1: | Dye Observed in Other MH 2: | Sump Pump Discharge: | Mapped Correctly: | Test Results:      | Date Reported:      | Testing Company: | Technician Name:  | Comments  |
|------------------|--------------------|------------|---------|----------------------|------------|--------------------------------|---|----------|----------|---|--|---|---|----------------------------|------------------------------|-----------------------------|-------------|-----------------------------|-----------------------------|-----------------------------|----------------------|-------------------|--------------------|---------------------|------------------|-------------------|---|
| F_767951_2970598 | 119-121 SHORE D    | 4/27/2021  | 3       | 2-Family Residential | No         | To Ground Surface              | Louis                                     | Yes      | Yes      | Sink, Washing Machine                         | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 1             | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | Sanitary Sewer       | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Access through unit 1 (121). No access to 119, need to gain access to confirm basement connectivity. Basement bathroom discharge piping and washing machine connected to stack with kitchen sink. Unable to see first floor bathroom connectivity.  |
| F_767951_2970598 | 119-121 SHORE D    | 4/27/2021  | 3       | 2-Family Residential | No         | To Ground Surface              | Louis                                     | Yes      | Yes      | Sink, Washing Machine                         | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | Sanitary Sewer       | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Access through unit 1 (121). No access to 119, need to gain access to confirm basement connectivity. Basement bathroom discharge piping and washing machine connected to stack with kitchen sink. Unable to see first floor bathroom connectivity.  |
| F_756175_2972844 | 1247 BROADWAY      | 4/26/2022  | 3       | 2-Family Residential | No         | To Ground Surface              | Stan                                      | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | No  | Sink - Floor 2             | A-61                         | Yes                         | 28307       | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 4/28/2022, 3:29 PM  | SDE, Inc.        | Elizabeth Earley  | Detached sink in basement unit on left side would recommend testing a right side unit   |
| F_756165_2972662 | 1238 BROADWAY      | 4/28/2022  | 2       | Apartments           | No         | To Surface and into Foundation | tenant Chris & landlord Secondo Silvestri | Yes      | Yes      | Washing Machine                               | Yes  | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 2           | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | there is a floor drain in basement. Also, washing machine seems to connect to a secondary stack, but the owner said this stack was no longer in use   |
| F_756165_2972662 | 1238 BROADWAY      | 4/28/2022  | 2       | Apartments           | No         | To Surface and into Foundation | tenant Chris & landlord Secondo Silvestri | Yes      | Yes      | Washing Machine                               | Yes  | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 2             | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | there is a floor drain in basement. Also, washing machine seems to connect to a secondary stack, but the owner said this stack was no longer in use   |
| F_756430_2972169 | 16-42 WESTON AVE   | 4/28/2022  | 3       | Apartments           | No         | Into Ground                    | David Hill                                | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | No  | Toilet - Floor 3           | A-47                         | No                          | 44771       | No                          | No                          | No                          | No Sump Pump         | Yes               | No Dye Observed    |                     | SDE, Inc.        | Jillian Henrichon | some dye observed behind bricks but not in channel of sewer A-497. Will need to retest. also checked every upstream drain to be thorough and no dyeobserved in any drains.  |
| F_756430_2972169 | 16-42 WESTON AVE   | 4/28/2022  | 3       | Apartments           | No         | Into Ground                    | David Hill                                | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | No  | Toilet - Floor 1           | A-47                         | No                          | 44771       | No                          | No                          | No                          | No Sump Pump         | Yes               | No Dye Observed    |                     | SDE, Inc.        | Jillian Henrichon | some dye observed behind bricks but not in channel of sewer A-497. Will need to retest. also checked every upstream drain to be thorough and no dye observed in any drains.   |
| F_767771_2970738 | 105 SHORE DR       | 4/28/2022  | 2       | 2-Family Residential | No         | To Ground Surface              | Mazen                                     | Yes      | Yes      | Washing Machine                               | Yes  | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 2           | S1-1227                      | Yes                         | 28-555      | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 4/28/2022, 3:44 PM  | SDE, Inc.        | Elizabeth Earley  | Unknown sump pump discharge homeowner says that units are stacked   |
| F_767771_2970738 | 105 SHORE DR       | 4/28/2022  | 2       | 2-Family Residential | No         | To Ground Surface              | Mazen                                     | Yes      | Yes      | Washing Machine                               | Yes  | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 2             | S1-1227                      | Yes                         | 28-555      | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 4/28/2022, 12:00 PM | SDE, Inc.        | Elizabeth Earley  | Unknown sump pump discharge homeowner says that units are stacked   |
| F_767951_2970598 | 119-121 SHORE D    | 4/28/2022  | 3       | 2-Family Residential | No         | To Ground Surface              | owner                                     | Yes      | Yes      | Washing Machine                               | Yes  | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 2           | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | basement had sewer stack shared with 121, it also had an additional room that we were not granted access to shore drive   |
| F_767729_2970566 | 121 TEN HILLS RD   | 4/28/2022  | 2       | 1-Family Residential | No         | To Ground Surface              | katherine                                 | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | S1-2425                      | Yes                         | 26-5509     | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | Katherine mentioned something about her neighbor being a plumber and he thought a bunch of water from that area was going directly into the river nearby  |
| F_756175_2972844 | 1247 BROADWAY      | 5/2/2022   | 3       | Apartments           | No         | To Ground Surface              | caroline (landlord)                       | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 3           | A-61                         | Yes                         | 28307       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | It was recommended to test right side of building (1245) but landlord tried and was unable to open that side, so tested additional unit on left side (1247) instead.  |
| F_756201_2972627 | 1234 BROADWAY      | 5/2/2022   | 3       | 3-Family Residential | No         | Into Foundation                | Resident                                  | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Washing Machine - Basement | A-57                         | No                          | 44769       | No                          | No                          | No                          | Unknown              | Yes               | No Dye Observed    | 5/2/2022, 12:00 PM  | SDE, Inc.        | Chris Trickett    | Basement has 2 sewer stacks, one in center of basement going into foundation and one in the back right going into foundation. Washer connected to stack in back right   |
| F_756201_2972627 | 1234 BROADWAY      | 5/2/2022   | 3       | 3-Family Residential | No         | Into Foundation                | Resident                                  | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 5/2/2022, 12:00 PM  | SDE, Inc.        | Chris Trickett    | Basement has 2 sewer stacks, one in center of basement going into foundation and one in the back right going into foundation. Washer connected to stack in back right   |
| F_756257_2972545 | 1214 BROADWAY      | 5/2/2022   | 3       | Apartments           | No         | To Ground Surface              | tenant Liz                                | Yes      | Yes      | Washing Machine                               | Yes  | No  | No  | Toilet - Floor 2           | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | tenant was sick and placed dye herself, unsure of placement of feature within apartment   |
| F_756257_2972545 | 1214 BROADWAY      | 5/2/2022   | 3       | Apartments           | No         | To Ground Surface              | tenant                                    | Yes      | Yes      | Washing Machine                               | Yes  | Yes   | No  | Toilet - Floor 1           | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | tenant was sick and placed dye herself, unsure of placement of feature within apartment   |
| F_756430_2972169 | 16-42 WESTON AVE   | 5/2/2022   | 4       | Apartments           | No         | Into Ground                    | Mark                                      | Yes      | Yes      | None  | No Access to Basement Pipes                          | No Access to Discharge Pipes                          | No Access to Discharge Pipes                          | Toilet - Floor 1           | A-97                         | Yes                         | 21732       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Technically no basement. Lowest floor on sketch is garage, but does not go under ground. All pipes in building connect to one main pipe under units 24-28 in utility room. Main pipe goes toward Weston Ave.  |
| F_756430_2972169 | 16-42 WESTON AVE   | 5/2/2022   | 4       | Apartments           | No         | Into Ground                    | Mark                                      | Yes      | Yes      | None  | No Access to Basement Pipes                          | No Access to Discharge Pipes                          | No Access to Discharge Pipes                          | Sink - Floor 1             | A-97                         | Yes                         | 21732       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Technically no basement. Lowest floor on sketch is garage, but does not go under ground. All pipes in building connect to one main pipe under units 24-28 in utility room. Main pipe goes toward Weston Ave. Tested kitchen sink  |
| F_767881_2970655 | 111 SHORE DR       | 5/4/2022   | 2       | 1-Family Residential | No         | To Ground Surface              | Eric                                      | Yes      | No       | Sink, Washing Machine                         | Yes  | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 2           | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Tested The Advanced Pain Relief Clinic bathroom. Partial access to basement. Tom said the restaurant at #688 has basement kitchen so possibly would need to return to test these fixtures as basement portion in 690 only had some piping visible from 688 and pipes coming from 694.   |
| F_760968_2970887 | 692 BROADWAY       | 5/4/2022   | 1       | Retail/Commercial    | Yes        | None                           | Tom                                       | Yes      | Yes      | N/A   | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | M-349                        | Yes                         | 31-5012     | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Sarah Ray         | Basement partially finished. Tested toilet in CIG Realty. Could not confirm single discharge but property owner claimed visible piping were the only pipes leaving the building.  |
| F_760962_2971042 | 701 BROADWAY       | 5/4/2022   | 2       | Retail/Commercial    | Yes        | None                           | Tom                                       | Yes      | Yes      | Sink, Toilet                                  | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | Unmapped downstream of M-349 | Yes                         | 31-5012     | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Sarah Ray         | Cannot see sump pump connection, homeowner says it discharges to the sewer. Basement is 85 percent finished, but main stack is visible. Basement bathroom connects to main stack, small stack from kitchen sink on first floor has basement sink and washing machine hooked up to it. 2nd floor unit (91) is same layout as first floor unit (93). 93 is where tests were performed |
| F_767689_2970696 | 93 SHORE DR        | 5/5/2022   | 2       | 2-Family Residential | No         | To Ground Surface              | Nick                                      | Yes      | Yes      | Sink, Washing Machine, Toilet, Shower/Bathtub | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Basement            | S1-2454                      | Yes                         | 28-5105     | No                          | No                          | No                          | Sanitary Sewer       | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Cannot see sump pump connection, homeowner says it discharges to the sewer. Basement is 85 percent finished, but main stack is visible. Basement bathroom connects to main stack, small stack from kitchen sink on first floor has basement sink and washing machine hooked up to it. 2nd floor unit (91) is same layout as first floor unit (93). 93 is where tests were performed |
| F_767689_2970696 | 93 SHORE DR        | 5/5/2022   | 2       | 2-Family Residential | No         | To Ground Surface              | Nick                                      | Yes      | Yes      | Sink, Washing Machine, Toilet, Shower/Bathtub | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | S1-2454                      | Yes                         | 28-5105     | No                          | No                          | No                          | Sanitary Sewer       | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Cannot see sump pump connection, homeowner says it discharges to the sewer. Basement is 85 percent finished, but main stack is visible. Basement bathroom connects to main stack, small stack from kitchen sink on first floor has basement sink and washing machine hooked up to it. 2nd floor unit (91) is same layout as first floor unit (93). 93 is where tests were performed |
| F_756150_2972882 | 1251 BROADWAY      | 5/10/2022  | 3       | Apartments           | No         | To Ground Surface              | Mark                                      | Yes      | Yes      | Washing Machine                               | Yes  | No  | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | A-61                         | Yes                         | 28307       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | one main stack and a secondary stack both going into floor  |
| F_756150_2972882 | 1251 BROADWAY      | 5/10/2022  | 3       | Apartments           | Yes        | To Ground Surface              | Mark                                      | Yes      | Yes      | Washing Machine                               | Yes  | No  | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 1             | A-61                         | Yes                         | 28307       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | one main stack and a secondary stack both going into floor  |
| F_756492_2972058 | 21 CLARENDON AVE   | 5/11/2022  | 3       | 1-Family Residential | No         | To Ground Surface              | John                                      | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | CA-499                       | Yes                         | 12236       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              | 5/11/2022, 12:00 PM | SDE, Inc.        | Chris Trickett    | Full basement access.   |
| F_756492_2972058 | 21 CLARENDON AVE   | 5/11/2022  | 3       | 1-Family Residential | No         | To Ground Surface              | John                                      | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 2             | CA-499                       | Yes                         | 12236       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              | 5/11/2022, 12:00 PM | SDE, Inc.        | Chris Trickett    | Kitchen sink. Full basement access.   |
| F_756165_2972662 | 1238 BROADWAY      | 5/16/2022  | 3       | 3-Family Residential | No         | To Surface and into Foundation | John Lee                                  | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Washing Machine - Basement | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 5/16/2022, 12:00 PM | SDE, Inc.        | Chris Trickett    | Full basement access. Unit 1 is the 2nd floor unit. 2 stacks in basement, one in center and one in back left corner the washers are connected to.   |
| F_756165_2972662 | 1238 BROADWAY      | 5/16/2022  | 3       | 3-Family Residential | No         | To Surface and into Foundation | John Lee                                  | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Washing Machine - Basement | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 5/16/2022, 12:00 PM | SDE, Inc.        | Chris Trickett    | Full basement access. Unit 1 is the 2nd floor unit. 2 stacks in basement, one in center and one in back left corner the washers are connected to.   |
| F_756165_2972662 | 1238 BROADWAY      | 5/16/2022  | 3       | 3-Family Residential | No         | To Surface and into Foundation | John Lee                                  | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 2           | A-57                         | Yes                         | 44769       | No                          | No                          | No                          | Unknown              | Yes               | Legal              | 5/16/2022, 12:00 PM | SDE, Inc.        | Chris Trickett    | Full basement access. Unit 1 is the 2nd floor unit. 2 stacks in basement, one in center and one in back left corner the washers are connected to.   |
| F_756117_2972906 | 1255 BROADWAY      | 5/17/2022  | 3       | Apartments           | Yes        | None                           | robin                                     | Yes      | Yes      | None  | No Basement Fixtures                                 | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | A-61                         | Yes                         | 28307       | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | 2 stacks going into floor, could connect because one is at angle going toward other   |
| F_756430_2972169 | 16-42 WESTON AVE   | 5/17/2022  | 3       | Apartments           | No         | Into Ground                    | david hill                                | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | No  | Toilet - Floor 1           | A-3076                       | Yes                         | 44773       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | 2 stacks going into floor, could connect because one is at angle going toward other, sink tested shares wall with a washing machine   |
| F_756430_2972169 | 16-42 WESTON AVE   | 5/17/2022  | 3       | Apartments           | No         | Into Ground                    | david hill                                | Yes      | Yes      | None  | No Basement Fixtures                                 | Yes   | No  | Toilet - Floor 3           | A-3076                       | Yes                         | 44773       | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | one main stack into side west side wall   |
| F_767848_2970685 | 107 SHORE DR       | 5/17/2022  | 2       | Apartments           | No         | To Ground Surface              | John                                      | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 1             | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | two stacks into floor one for each apartment on either side and one washer attached to each (shared basement)   |
| F_767848_2970685 | 107 SHORE DR       | 5/17/2022  | 2       | Apartments           | No         | To Ground Surface              | John                                      | Yes      | Yes      | Washing Machine                               | No   | No  | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | S1-1279                      | Yes                         | 28-5105     | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | two stacks into floor one for each apartment on either side and one washer attached to each (shared basement)   |
| F_756208_2972820 | 1241 BROADWAY      | 6/6/2022   | 3       | Apartments           | No         | null                           | julia Brown                               | Yes      | Yes      | Washing Machine                               | Yes  | No  | Unable to Confirm - Partial Access to Discharge Pipes | Washing Machine - Basement | A-61                         | Yes                         | 28307       | Yes                         | Yes                         | Yes                         | No Sump Pump         | Yes               | Dye in SMH and DMH |                     | SDE, Inc.        | Jillian Henrichon | one main stack into ground and one small into floor as well for washing machines  |
| F_756208_2972820 | 1241 BROADWAY      | 6/6/2022   | 3       | Apartments           | No         | To Ground Surface              | julia Brown                               | Yes      | Yes      | Washing Machine                               | Yes  | No  | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 2             | A-61                         | Yes                         | 28307       | Yes                         | Yes                         | Yes                         | No Sump Pump         | Yes               | Dye in SMH and DMH |                     | SDE, Inc.        | Jillian Henrichon | one main stack into ground and one small into floor as well for washing machines  |
| F_756294_2972318 | 19-43 A WESTON AVE | 6/8/2022   | 3       | Apartments           | No         | Into Ground                    | Lynne                                     | Yes      | Yes      | None  | No Access to Basement Pipes                          | No Access to Discharge Pipes                          | No Access to Discharge Pipes                          | Toilet - Floor 2           | A-497                        | Yes                         | 28-5105     | No                          | No                          | No                          | No Sump Pump         | Yes               | Legal              |                     | SDE, Inc.        | Meaghan O'Dwyer   | Tested unit B (2nd floor) in 19. Had full access to basement - no visible piping. Floor 3 (unit c) is same exact layout as 2, would recommend testing fixture on right side of building when returning. Unmapped sewer MH in front of unit 25 where dye was seen before A-497   |
| F_756268_2972732 | 1 RUSSELL RD       | 6/21/2022  | 2       | Apartments           | Yes        | Into Foundation                | Camryn                                    | Yes      | Yes      | Washing Machine                               | Yes  | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Sink - Floor 1             | A-57                         | Yes                         | 28307       | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | one main stack into floor and pvc pipe coming from downspouts into floor  |
| F_756268_2972732 | 1 RUSSELL RD       | 6/21/2022  | 2       | Apartments           | Yes        | Into Foundation                | Camryn                                    | Yes      | Yes      | Washing Machine                               | Yes  | Unable to Confirm - Partial Access to Discharge Pipes | Unable to Confirm - Partial Access to Discharge Pipes | Toilet - Floor 1           | A-57                         | Yes                         | 28307       | No                          | No                          | No                          | Unknown              | Yes               | Legal              |                     | SDE, Inc.        | Jillian Henrichon | one main stack into floor and pvc pipe coming from downspouts into floor  |
| F_767821_2970626 | 15 CREST HILL RD   | 6/30/2022  | 2       | Apartments           | No         | To Ground Surface              | John                                      | Yes      | Yes      | Sink, Washing Machine, Toilet, Shower/Bathtub | Unable to Confirm - Partial Access to Basement Pipes | Unable to Confirm - Partial Access to Discharge Pipes | No  | Washing Machine - Basement | S1-1279                      | Yes</                       |             |                             |                             |                             |                      |                   |                    |                     |                  |                   |   |

**ATTACHMENT 2: BUILDING INSPECTION STATUS MAP**



# Catchment Investigation Status Map

Somerville, Massachusetts  
Permit Year 4

## Catchment 7



**Legend**

**IDDE Building Inspection Status**

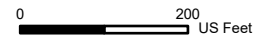
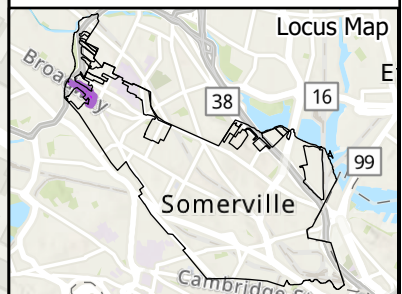
- Legal (Green outline)
- No dye observed (Brown outline)
- Illicit removed (Blue outline)
- Planned (Purple outline)

**IDDE Pipe Investigation Status**

- Cleared (Green line)
- Suspected (Red line)
- Suspected Low Priority (Orange line)
- Upstream Contamination (Yellow line)
- Standing Water (Blue line)

**Somerville**

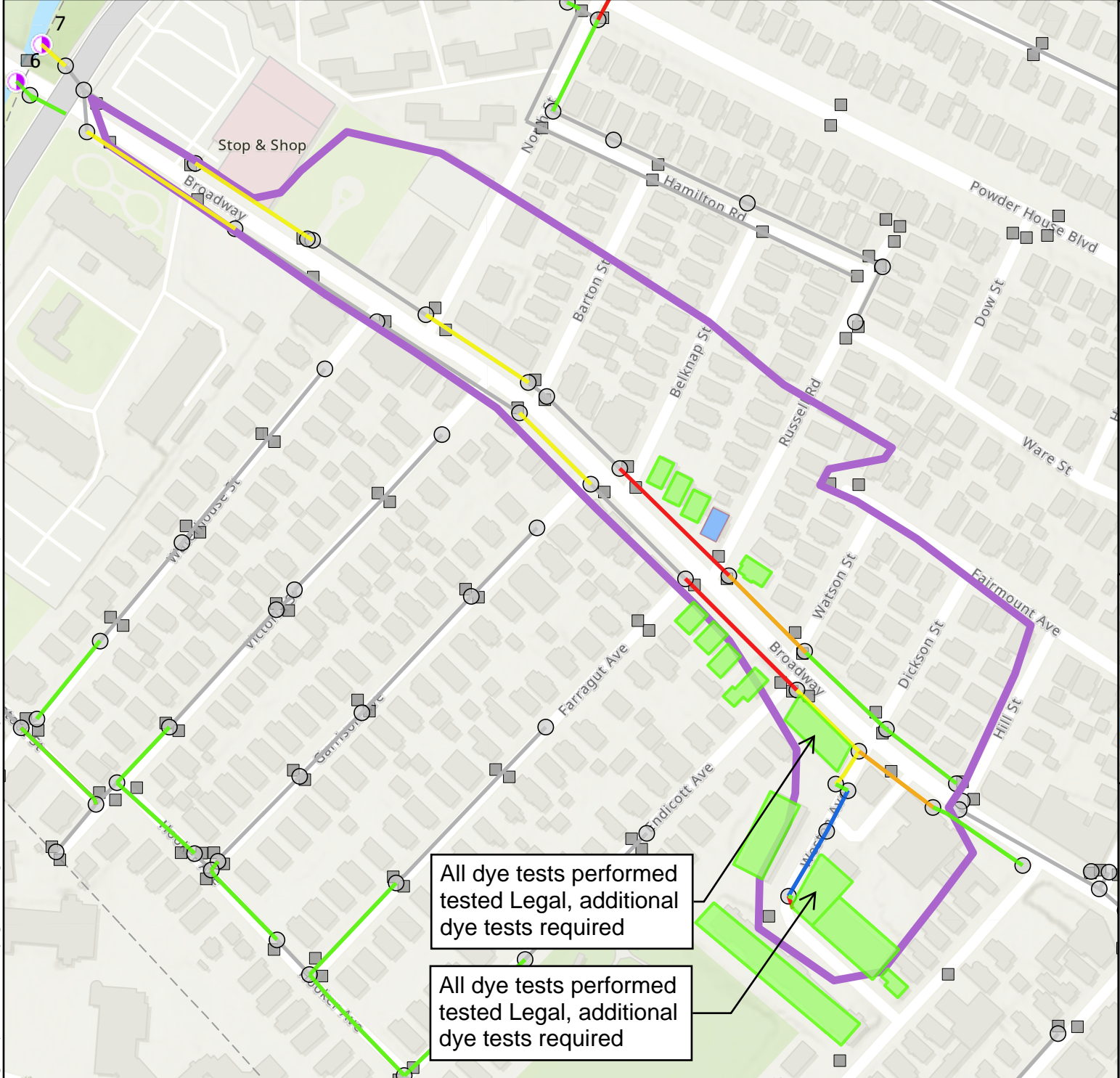
- Outfall (Pink dot)
- Storm Catchments (Purple outline)
- Storm Manholes (White circle)
- Storm Gravity Mains (Grey line)
- Catch Basins (Grey square)



Project #: 0232622.04  
Map Created: October 2022

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

Figure\_Exported\_10/11/2022\_By\_aguierro\_Using\_woodardcurran\_refshared\Projects\0232622\_04\_Somerville\_MA\_-\_IDDE\_Implementation\_Services\wp\GIS\Projects\PY4\_Catchment\_Maps.aprx



All dye tests performed tested Legal, additional dye tests required

All dye tests performed tested Legal, additional dye tests required



# Catchment Investigation Status Map

Somerville, Massachusetts  
Permit Year 4

## Catchment 28



**Legend**

IDDE Building Inspection Status

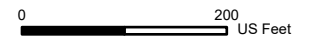
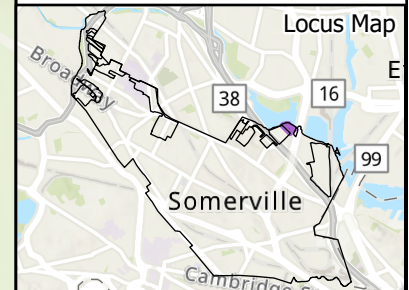
- Legal
- Planned

IDDE Pipe Investigation Status

- Cleared
- Suspected
- Suspected Low Priority
- Upstream Contamination
- Standing Water

Somerville

- Outfall
- Storm Catchments
- Storm Manholes
- Storm Gravity Mains
- Catch Basins



**Woodard  
& Curran**

Project #: 0232622.04  
Map Created: September 2022

Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**

Figure Exported: 9/22/2022. By: aguerrero. Using: \\woodardcurran.net\share\GIS\Projects\IP\IDDE Implementation Services\IP\GIS\Projects\PY4\Catchment Maps.aprx



# Catchment Investigation Status Map

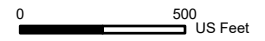
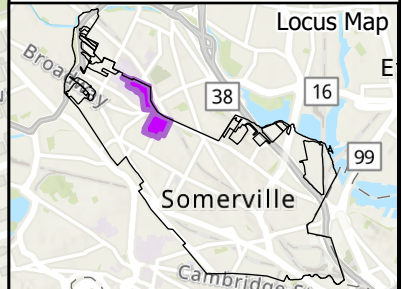
Somerville, Massachusetts  
Permit Year 4

## Catchment 31

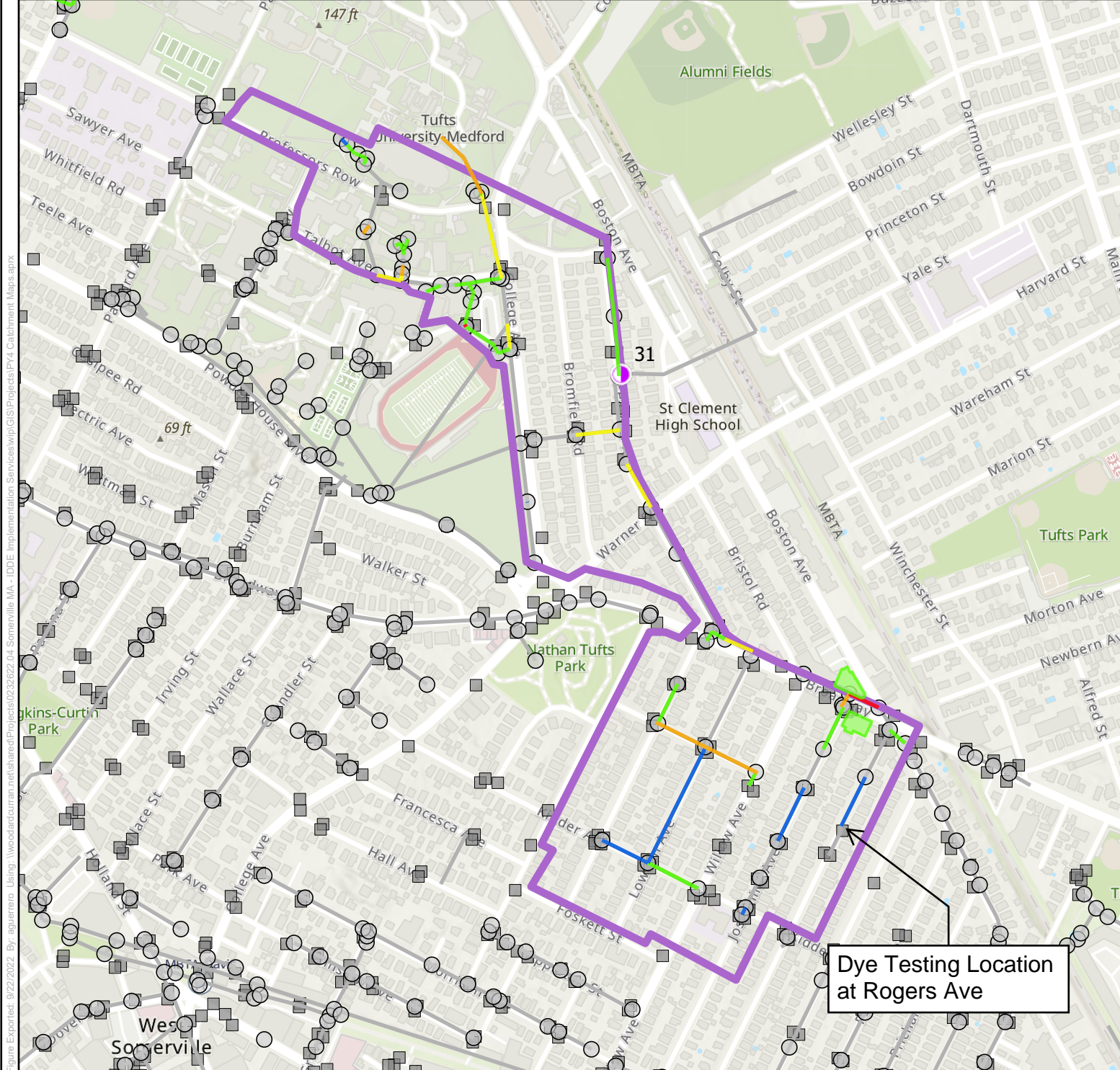


**Legend**

- IDDE Building Inspection Status
  - Legal
- IDDE Pipe Investigation Status
  - Cleared
  - Suspected
  - Suspected Low Priority
  - Upstream Contamination
  - Standing Water
- Somerville
  - Outfall
  - Storm Catchments
  - Storm Manholes
  - Storm Gravity Mains
  - Catch Basins



Project #: 0232622.04  
Map Created: September 2022  
Third Party GIS Disclaimer: This map is for reference and graphical purposes only and should not be relied upon by third parties for any legal decisions. Any reliance upon the map or data contained herein shall be at the users' sole risk. **Data Sources:**



Dye Testing Location  
at Rogers Ave

Figure Exported: 9/22/2022. By: aguerero. Using: \\woodardcurran.net\share\GIS\Projects\PY4\Catchment Maps.aprx

## **ATTACHMENT 3: SUMMARY OF ILLICIT CONNECTIONS**





