

Part V: Certification of Small MS4 Annual Report 2021

40 CFR 144.32(d) Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

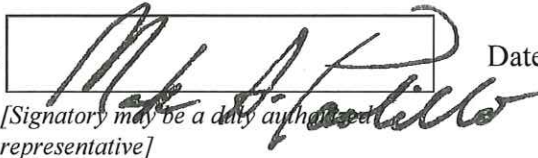
Name:

Mark Paolillo

Title:

Chair, Select Board

Signature:


[Signatory may be a duly authorized representative]

Date:

9.28.22

MS4 Permit Year 4 Annual Report (7/1/21 - 6/30/22)
Dry Weather Sampling Data (Boston Harbor: Mystic River)
Updated: 9/27/2022

Outfall ID	Outfall Type	Receiving Water	Location Description	Date of Screening/ Sampling	Flow?	If No, Reason	Field Data					Lab Data									
							Chlorine	DO	Conductivity	Salinity	Temperature	Ammonia (mg/L)	Surfactants (mg/L)	E.Coli (col/100mL)	Total Phosphorus (mg/L)	Chloride	BOD5 (mg/L)	TSS (mg/L)	Total Lead (mg/L)	Total Copper (mg/L)	Oil & Grease (mg/L)
OF-2	Interconnection	Blair Pond (Trib to Little River MA71-21)	Huron Ave at Grove St	10/1/2021	Yes		NT	NT	NT	NT	NT	1.0	NT	>30,000	NT	NT	NT	NT	NT	NT	NT
OF-3	Interconnection	Blair Pond (Trib to Little River MA71-21)	Blanchard Rd at Grove St	6/20/2022	No	Drip															
OF-4	Interconnection	Blair Pond (Trib to Little River MA71-21)	Blanchard Rd just south of Concord Ave	6/20/2022	No	Standing Water															
OF-6	Interconnection	Blair Pond (Trib to Little River MA71-21)	Blanchard Rd at Hamilton Rd	6/20/2022	No	Dry															
OF-7	Outfall	Blair Pond (Trib to Little River MA71-21)		6/20/2022	Yes		0.12	12.67	0	0.6	26.89	0.088	ND	11	0.028	NT	4.4	7.3	ND	0.00248	ND
OF-8 (8-1)	Outfall	Blair Pond (Trib to Little River MA71-21)		10/1/2021	Yes		NT	NT	NT	NT	NT	0.3	NT	4,500	NT	NT	NT	NT	NT	NT	NT
OF-9	Outfall	Little Pond MA71011		6/16/2022	No	Dry															
OF-9A	Outfall	Little Pond MA71011		6/16/2022	No	Damp															
OF-10 (10-2)	Outfall	Winn Brook MA71-09		11/18/2021	Yes		NT		NT	NT	NT	0.0	NT	3,100							
OF-11	Outfall	Little Pond MA71011		6/20/2022	Yes		0.03		0	0.4	18.61	0.116	ND	1800	0.246	200					
OF-11A	Outfall	Little Pond MA71011		6/20/2022	Yes		0.06		0	0.4	22.1	0.194	ND	2000	0.123	120					
OF-12	Outfall	Little Pond MA71011		6/16/2022	Yes		0.03		0.003	0.8	20.57	ND	NT	2100	0.1	340					
OF-13	Outfall	Little Pond MA71011		6/20/2022	Yes		0.04		0.001	0.6	18.8	0.166	ND	64	0.046	340					
OF-15	Interconnection	Spy Pond MA71040		10/1/2021	Yes		NT	NT	NT	NT	NT	NT	NT	100	NT		NT				
OF-15A	Interconnection	Spy Pond MA71041		11/18/2021	Yes		NT	NT	NT	NT	NT	0.2	NT	<100	NT		NT				

ND = Non-detect
NT = Not tested
Inspections during Oct and Nov 2021 were completed as part of Mystic AOC work

SSO Inventory

Belmont, Massachusetts
Revision Date: 09/27/2022

SSO Location ¹	Discharge Statement ²	Date ³	Time Start ³	Time End ³	Estimated Volume ⁴	Description ⁵	Mitigation Completed ⁶	Mitigation Planned ⁷
148-150 Oakley Rd	SSO to receiving water	5/1/2021	6:00 pm	7:30 pm		The backup was determined to have come from the corner of Payson Road and Pine Street due to a grease blockage. The Claimant called the Police Department at approximately 6:20PM, who then notified the DPW. The DPW arrived at the claimant's home at 7:20PM.	DPW jet rodded the blockage until normal flow was determined	
Goden St (at School)	SSO discharge to MS4	4/29/2022	9:45	10:15	25-50 gallons	Owner broke Backflow preventor and main backed up into sump pump sinkhole. Owner used a sump pump to pump sewage into Street	From the house, catch basin absorbent mat and boom socks were uses to prevent further flow to catch basin. At the main, jet flushed the main and cleared all obstructions, observed normal flow	

¹ Location (approximate street crossing/address and receiving water, if any)
² A clear statement of whether the discharge entered a surface water directly or entered the MS4
³ Date(s) and time(s) of each known SSO occurrence (i.e., beginning and end of any known discharge)
⁴ Estimated volume(s) of the occurrence
⁵ Description of the occurrence indicating known or suspected cause(s)
⁶ Mitigation and corrective measures completed with dates implemented
⁷ Mitigation and corrective measures planned with implementation schedules



Stantec Consulting Services Inc.
45 Network Drive, 3rd Floor, Burlington MA 01803-4542

January 31, 2022

Attention: Todd Borci, Enforcement Officer
US EPA Region I – New England
5 Post Office Square – Suite 100
Boston, MA 02109-3912

Subject: Town of Belmont
ORDER ON CONSENT Docket No. CWA-AO-R01-FY17-11
Report On Compliance

Dear Mr. Borci,

In accordance with the above referenced Order On Consent, we are submitting the following Report On Compliance (ROC) dated January 31, 2022, which describes activities conducted from July 1, 2021 through December 31, 2021 associated with the Wellington Brook and Winn's Brook tributary areas in the Town of Belmont. These two areas are designated as Sub-catchments 8 and 10, respectively. This report also includes activities associated with all sub-catchments in the Mystic River Watershed including, 1, 2, 3, 4, 5, 6, 8, 9, 9A, 10, 11, 11A, 12, 13, 15 and 15A. Refer to the November 2017 Investigation of the Winn's Brook and Wellington Brook Tributary Areas report and the January 2018 Report On Compliance for complete figures of each sub-catchment area.

A Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction project, which includes sewer system improvements including point repairs, service replacements and cured-in-place mainline lining began on July 21, 2021 and is ongoing. Refer the contract drawings in **Attachment 1**. Several sub-catchments discharging to the Mystic River Watershed were resampled during this reporting period for *E. coli* and select locations for Ammonia.

V.1.a ILLICIT DISCHARGES IDENTIFIED

Mystic River Watershed Sub-catchments 1-15A

Completed

Follow-up dry weather samples were collected for several sub-catchment areas in October and November 2021, within areas 2, 8 (8-1, 8-2, 8-4, 8-5 and 8-6), 9A, 10 (10-1 and 10-2) and 15A to evaluate the status of each sub-catchment. Refer to **Figures 1-6** for sample result maps from this reporting period. As shown in **Table 1**, the sample taken at Sub-catchment 15 was below the *E. coli* reportable threshold of 235 MPN/100mL. Sub-catchments 2, 8-1, and 8-4 showed an increase in *E. coli* levels from previous samples. Sub-catchment 8 is a large tributary which was broken down into smaller catchment areas to identify any masked contamination upstream. Additional upstream tributary sampling is detailed below in sub-catchments where necessary.



January 31, 2022
Mr. Todd Borci
Page 2 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

Planned

Comprehensive investigations will continue in the Mystic River Watershed sub-catchments as described below. Samples will also be tested for surfactant levels during upcoming investigations.

Sub-catchments 1, 3, 4, 5, 6, 9, 9A, and 13

Completed

From the previous report, sub-catchments 3, 4, 5, 6, 9, and 9A were cleared as contamination sources. In the previous reporting period, an illicit sewer connection was found in sub-catchment 1 from an easement at Fairview Avenue and Van Ness Road. The repair of this illicit connection will be added as a Change Order to the Sewer System Rehabilitation Contract. All the sewer on Hill Road in Sub-catchment 9A was CIPP Lined and follow up sampling was conducted and found to be <100 MPN/100 mL. Refer to **Figure 5**.

Planned

The repair of the illicit sewer connection in sub-catchment 1 will be completed as soon as coordination with the Contractor is finalized. Once completed, follow up sampling will be conducted to ensure source of contamination was removed.

Sub-catchment 2

Completed

Samples were taken in sub-catchment 2 at the outfall and in the upper tributary area in the vicinity of Shaw Rd, Livermore Rd and Betts Rd. Samples still show levels of *E. coli* ranging from 1,800 MPN/100 mL to >30,000 MPN/100 mL. Most locations indicated lower levels of ammonia compared to previous samples. *E. coli* levels are still elevated post rehabilitation of all the laterals along Shaw Rd, Livermore Rd and Betts Rd. It appears the contamination may be emanating from intersecting roadways including Herbert Rd, Hartley Rd, Houghton Rd, Shaw Rd and Audrey Rd, but nearly all inspection at these intersections shows no flow however the invert is typically wet. Results and sampling maps can be found in **Figure 1** and **Table 1**.

Planned

Outfall and tributary sampling will continue in this sub-catchment, as well as dyed-water testing at locations that were not completed, due to homeowners not being home. The intersecting roadways mentioned above will be targeted. Once identified additional rehabilitation will be conducted.

Sub-catchment 8-1

Completed

Sub-catchment 8-1 samples indicated slightly elevated levels of *E. coli* and ammonia levels under the threshold of 0.5 mg/L. These locations have had fluctuating levels of *E. coli*. Some samples



January 31, 2022
Mr. Todd Borci
Page 3 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

taken (8-1-2, 8-1-11, and 8-1-14) had levels of both *E. coli* and ammonia under the threshold, which clears the above stream areas of contamination. Refer to **Figure 2** and **Table 1** for sampling results of this sub-catchment.

Planned

Additional sampling will be conducted in sub-catchment 8-1 to more clearly determine the source of contamination and dye testing or CCTV inspections will be determined accordingly.

Sub-catchment 8-2

Completed

Sub-catchment 8-2 was sampled and was found to be 100 MPN/100 mL, which is below the threshold. Refer to **Figure 2** and **Table 1** for sampling results of this sub-catchment.

Planned

This sub-catchment area has been cleared of contamination, but will continue to be monitored.

Sub-catchment 8-3

Completed

No work was conducted in sub-catchment 8-3.

Planned

Sub-catchment 8-3 will be sampled next reporting period.

Sub-catchment 8-4

Completed

Sub-catchment 8-4 sample had an *E. coli* concentration of 9,000 MPN/100 mL. This has had fluctuating sample results and was a substantial increase from the most recent sample of 1,900 MPN/100 mL. Other samples were taken in the sub-catchment to the north with values below the *E. coli* threshold, and to the south with values above the threshold at 2,000 MPN/100mL. Refer to **Figure 3** for sampling results of this sub-catchment. Sub-catchment 8-5 and 8-6 enters sub-catchment 8-4 and influences the discharge at sub-catchment 8-4

Planned

The tributaries entering sub-catchment 8-4 will continue to be monitored to identify potential target areas for further investigations.

Sub-catchment 8-5

Completed



January 31, 2022
Mr. Todd Borci
Page 4 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

Sub-catchment 8-5 was sampled and found to be slightly elevated at 500 MPN/100 mL compared to the last sample of 200 MPN/100 mL. Levels of *E. coli* have fluctuated within this area. Refer to **Figure 4** and **Table 1** for previous sampling results.

Planned

Sub-catchment 8-5 will continue to be monitored.

Sub-catchment 8-6

Completed

Samples taken in sub-catchment 8-6 indicated elevated levels of *E. coli*, and more substantially high level in both *E. coli* and ammonia at sample location 8-6-6. Refer to **Figure 4** and **Table 1** for sampling results of this sub-catchment.

Planned

Sampling will be conducted upstream of sample location 8-6-6 to identify the contamination source area(s). CCTV inspections and dyed water testing will be conducted to locate the source.

Sub-catchment 10-1

Completed

No work was conducted in Sub-catchment 10-1.

Planned

Sub-catchment 10-1 will be monitored during next reporting period.

Sub-catchment 10-2

Completed

Samples taken in sub-catchment 10-2 were moderately above the *E. coli* threshold. *E. coli* levels are still elevated in the Waterhouse Rd, Westlund Rd and Hoitt Rd area even after contamination sources that were previously identified and removed. Refer to **Figure 5** and **Table 1** for previous sampling results of this sub-catchment.

Planned

Sub-catchment 10-2 will continue to be monitored. Follow up CCTV inspections and dyed water testing will be conducted or a comprehensive rehabilitation of the entire area will be considered upon evaluation of the additional sampling.

Sub-catchments 11, 11A & 12

Completed

Design with community in mind



January 31, 2022
Mr. Todd Borci
Page 5 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

No sampling was conducted in these outfall areas. A leaking capped drain line was identified in a drain manhole at Staunton Road and Oliver Rd in sub-catchment 11. This abandoned drain line is located below the sewer main. Rehabilitation in sub-catchment 11A has been completed.

Planned

The cap will be repaired removing the potential contamination source. Follow-up outfall and tributary sampling will be conducted in this area upon completion of the rehabilitation.

Spy Pond Outfalls – Outfall Areas 15 & 15A

Sub-catchment 15

Completed

Outfall 15 was sampled for *E. coli* during this reporting period with a 100 MPN/100 mL, which is below the threshold. A direct source was previously removed and the *E. coli* levels have steadily declined and are now below the threshold. Refer to **Figure 6** and **Table 1** for sampling results in this sub-catchment.

Planned

Sub-catchment 15 has been cleared as a contamination source, but will continue to be monitored.

Sub-catchment 15A

Completed

Sub-catchment 15A previously had *E. coli* levels below the threshold but an elevated level of ammonia. Follow up sampling in October indicated an ammonia level of 0 ppm, however the sample was not sent to the lab for *E. coli* testing. Three of four other samples taken in the 15A sub-catchment indicated levels of *E. coli* below the threshold, but slightly elevated levels of ammonia. Sample 15A-6, taken next to 222 Rutledge Road from a 15" pipe from an easement, indicated elevated *E. coli* levels but ammonia levels below the threshold. Refer to **Figure 6** and **Table 1** for the sample results for this sub-catchment.

Planned

Sub-catchment 15A will continue to be monitored.

V.1.b SSO EVENTS

There have been no SSO Events during this reporting period.



January 31, 2022
Mr. Todd Borci
Page 6 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

On May 1, 2021, during the previous reporting period, an unanticipated SSO occurred in the Town's sewer system at 148-150 Oakley Road. As part of the corrective actions, the Town submitted a draft SSO Response Plan on December 31, 2021 and received review comments from MassDEP on January 4, 2022. The Town submitted the updated final SSO Response Plan on January 31, 2022 with MassDEP's comments incorporated.

If any SSO events occur in the future, the Town will follow the updated SSO Response Plan, reviewed by MassDEP and dated January 31, 2022. The correspondence from MassDEP to the Town can be found in **Attachment 2**, and the Town's updated SSO Response Plan can be found in **Attachment 3**.

V.1.c ILLICIT DISCHARGE AND SSO EVENT MAP

The Illicit Discharge and SSO Event Maps have been updated through December 31, 2021 and are included in this **Report (Figures 7 & 8)**.

V.1.d CMOM-PROGRAM SELF-ASSESSMENT & CORRECTIVE ACTION PLAN ACTIVITIES

Activities undertaken this period include:

Section II. Continuing Sewer Assessment Plan: Item 9 - The Town is required to identify the origin of each load to be disposed of at the DPW Yard. As of November 2018, the Town is no longer allowing septage haulers to access the Town yard.

Section III. B. Collection System Management: Training, and Section IV. C. Collection System Operation: Safety - The Department of Public Works provides operations and equipment training to department staff. DPW is actively working to identify outside facilities and instructors in order to implement a safety training program.

Section III. E. Collection System Management: SSO Notification Program, Items 1 and 2 - The Department of Public Works is in receipt of MassDEP Sanitary Sewer Overflow (SSO)/Bypass Notification Form and the department is prepared to meet all reporting requirements when required to do so.

Section IV. D. Collection System Management: SSO Notification Program, Item 3 - The Department of Public Works provides to all sewer department staff an emergency response plan for SSO events. Regular staff training sessions are being programmed to ensure that new hires and current staff are prepared to respond to an SSO event.

V.1.e ADDITIONAL ACTIVITIES FOR ACHIEVING COMPLIANCE



January 31, 2022
Mr. Todd Borci
Page 7 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

Refer to the Part V.1.a.

V.1.f PROPOSED CHANGES TO REMEDIAL MEASURES

None.

V.1.g IDENTIFICATION OF ALL PLANS, REPORTS, AND OTHER SUBMISSIONS REQUIRED

No additional reports required for submission.

V.1.h PLANS FOLLOWING THE REPORTING DEADLINES

Refer to the Part V.1.a.

Further IDDE related work will be conducted as per MS4 Permit requirements.

V.1.i IDENTIFICATION OF NONCOMPLIANCE OF THE ORDER

None.

Below is a summary of rehabilitation work completed to date:

Completed this reporting period

No repairs completed during this period.

Previously completed

- 12 Brettwood Road – Indirect sewer service connection - Lined
- Homer Rd Sewer 17S021-17S020 – Indirect connection, broken pipe - Replaced/Lined
- 11 Pierce Road – Indirect sewer service connection - Lined
- 37 Hoitt Road – Indirect sewer service connection - Lined
- 43 Hoitt Road – Potential indirect sewer service connection - Lined
- 49 Hoitt Road – Potential indirect sewer service connection - Lined
- 16 Randolph St – Indirect sewer service connection – Lined
- 28 Randolph St – Indirect sewer service connection – Lined
- 71 Bow Rd – Direct sewer service connection to drain – Redirected to the sewer
- 364 Brighton St – Direct sewer service connection to drain – Redirected to the sewer
- Sewer System Rehabilitation Project Miscellaneous locations of sewer repairs and CIPP Lining – 3,360 LF of CIPP Lined sewer mains

Please contact us if you have any questions regarding the information contained in this report.



January 31, 2022
Mr. Todd Borci
Page 8 of 8

Reference: CWA-AO-R01-FY17-11 Report On Compliance

Regards,

STANTEC CONSULTING SERVICES INC.

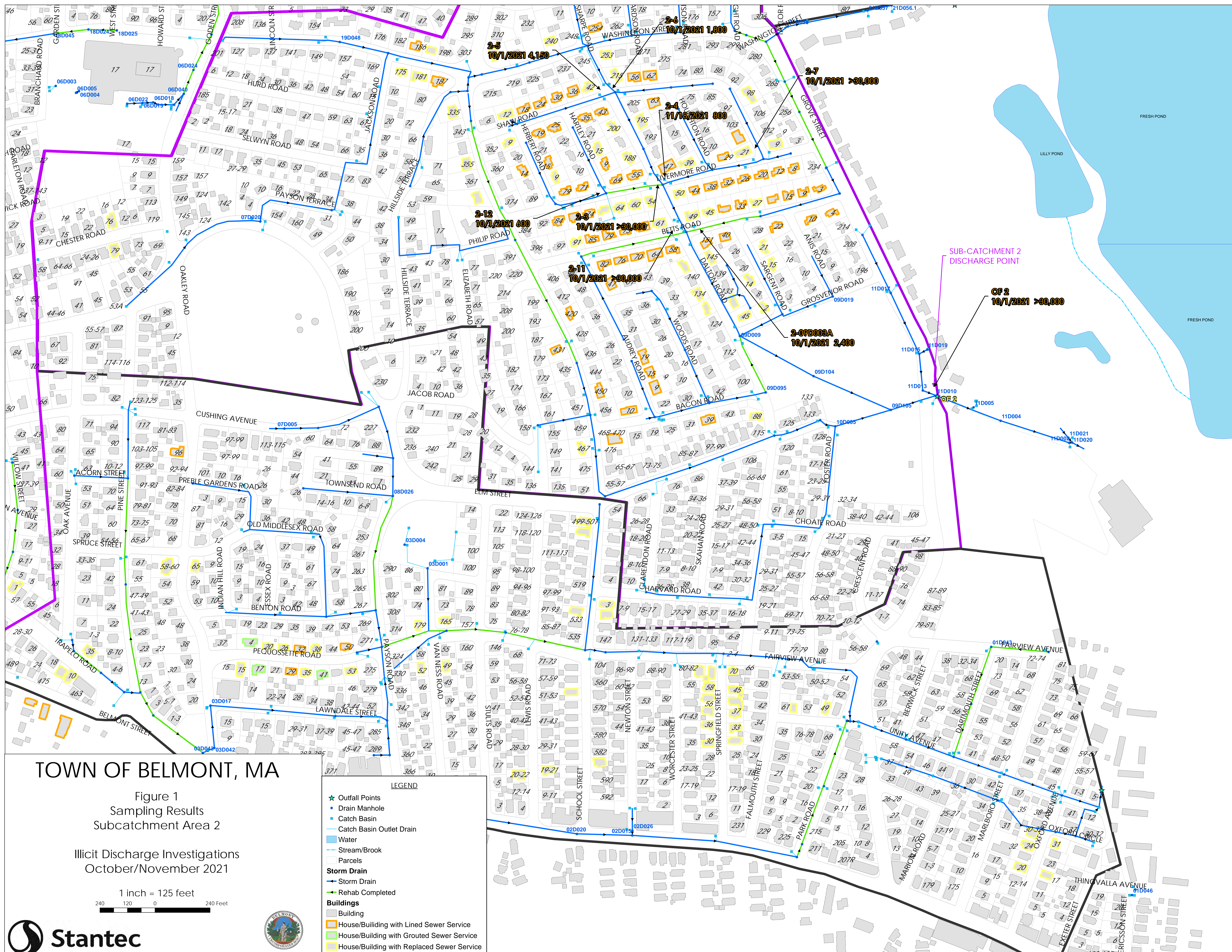
Robert Descheneau

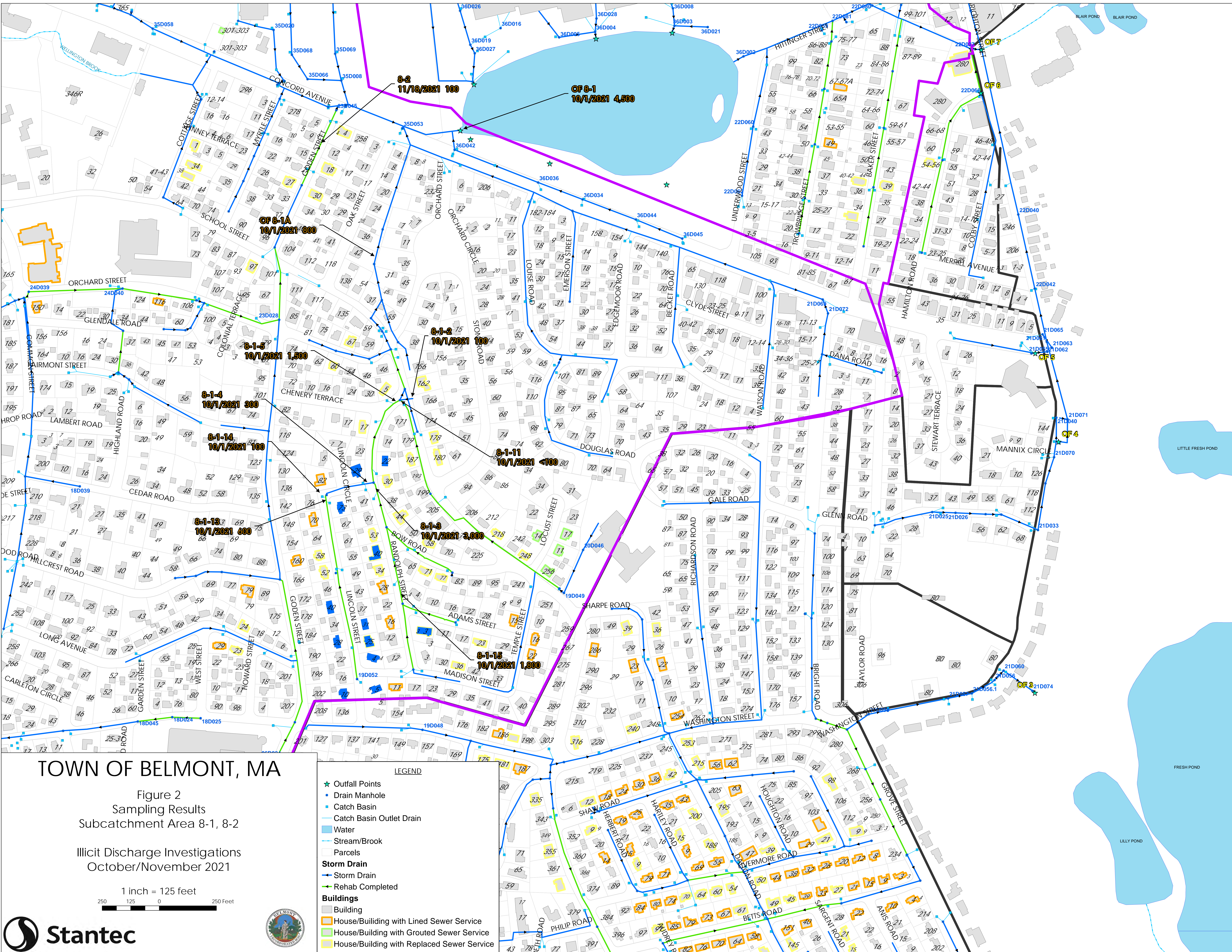
Robert H. Descheneau, P.E.
Senior Design Engineer
Phone: (781) 221-1083
Bobby.Descheneau@stantec.com

Emily Bonaccorso

Emily A. Bonaccorso, E.I.T.
Civil Engineer in Training
Phone: (617) 314-7101
Emily.Bonaccorso@stantec.com

sb(v:\1951\active\195150438\epa_order on consent\compliance reports\1-31-2022_submittal\report_on_compliance_january 2022.docx

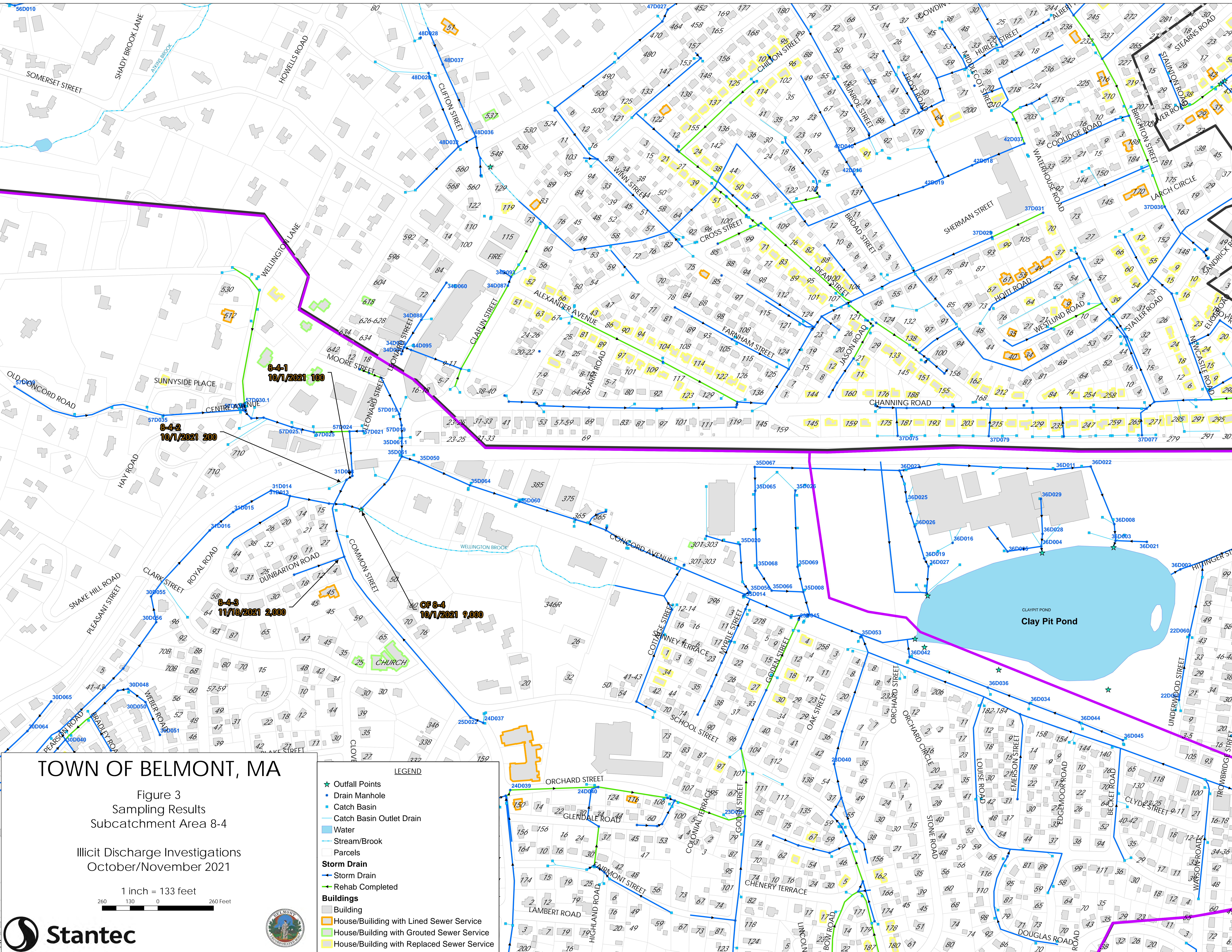




TOWN OF BELMONT, MA

Figure 2
Sampling Results
Subcatchment Area 8-1, 8-2

Illicit Discharge Investigations
October/November 2021



TOWN OF BELMONT, MA

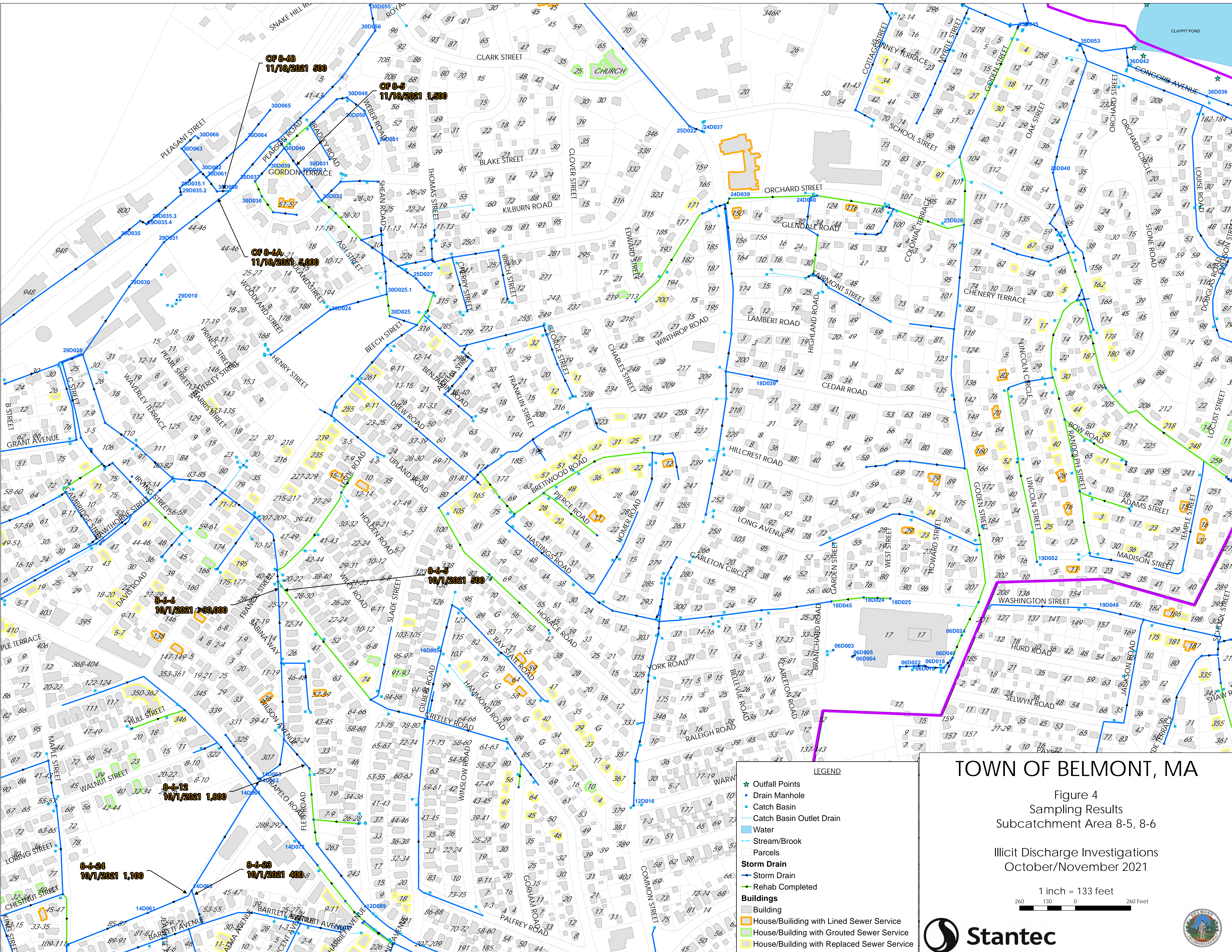
Figure 3
Sampling Results
Subcatchment Area 8-4

Illicit Discharge Investigations
October/November 2021

1 inch = 133 feet
260 130 0 260 Feet



- LEGEND**
- ★ Outfall Points
 - Drain Manhole
 - Catch Basin
 - Catch Basin Outlet Drain
 - Water
 - Stream/Brook
 - Parcels
 - Storm Drain**
 - Storm Drain
 - Rehab Completed
 - Buildings**
 - House/Building with Lined Sewer Service
 - House/Building with Grouted Sewer Service
 - House/Building with Replaced Sewer Service



TOWN OF BELMONT, MA

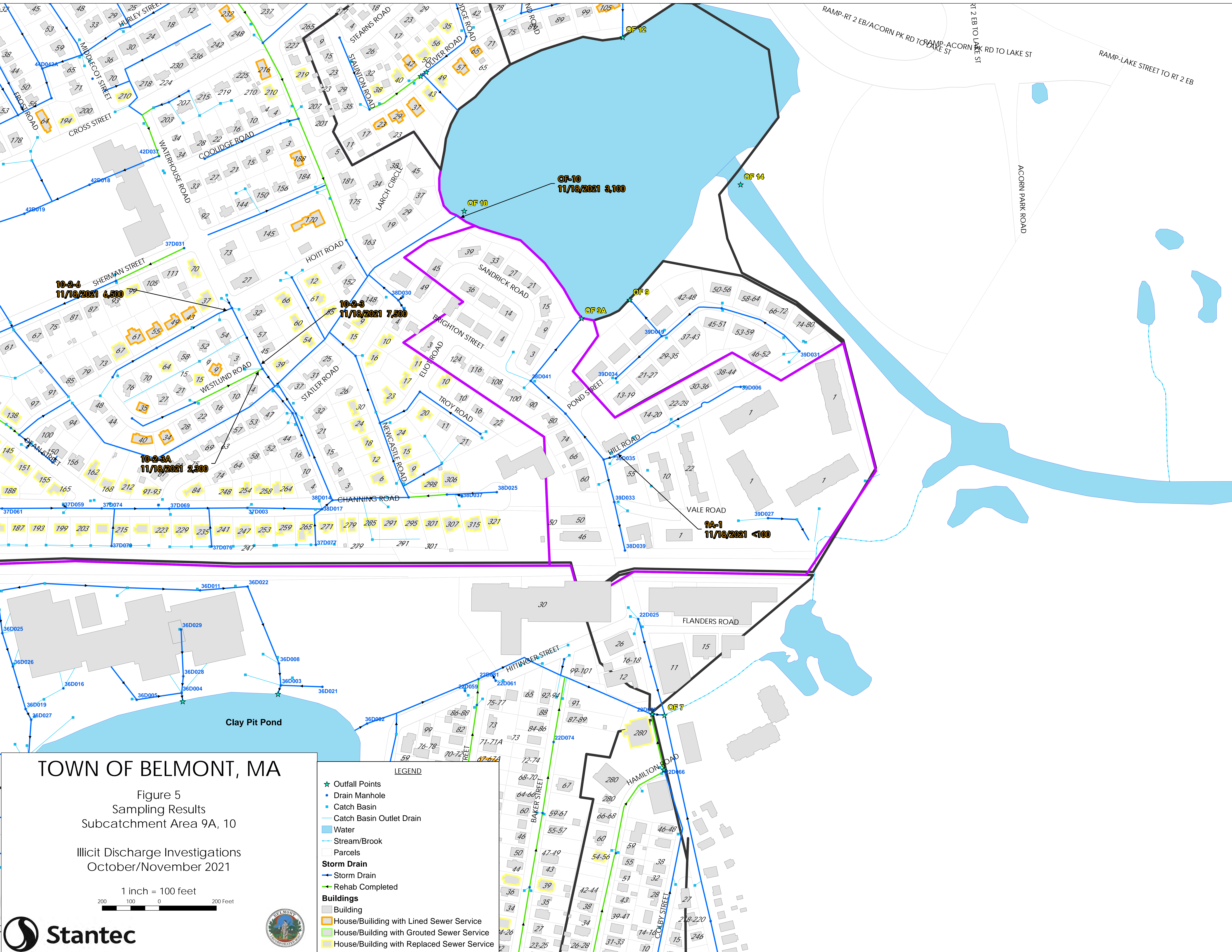
Figure 4
Sampling Results
Subcatchment Area 8-5, 8-6
Illicit Discharge Investigations
October/November 2021

1 inch = 133 feet

LEGEND

- ★ Outfall Points
- Drain Manhole
- Catch Basin
- Catch Basin Outlet Drain
- Water
- Stream/Brook
- Parcels
- Storm Drain**
- Storm Drain
- Rehab Completed
- Buildings**
- Building
- House/Building with Lined Sewer Service
- House/Building with Grouted Sewer Service
- House/Building with Replaced Sewer Service







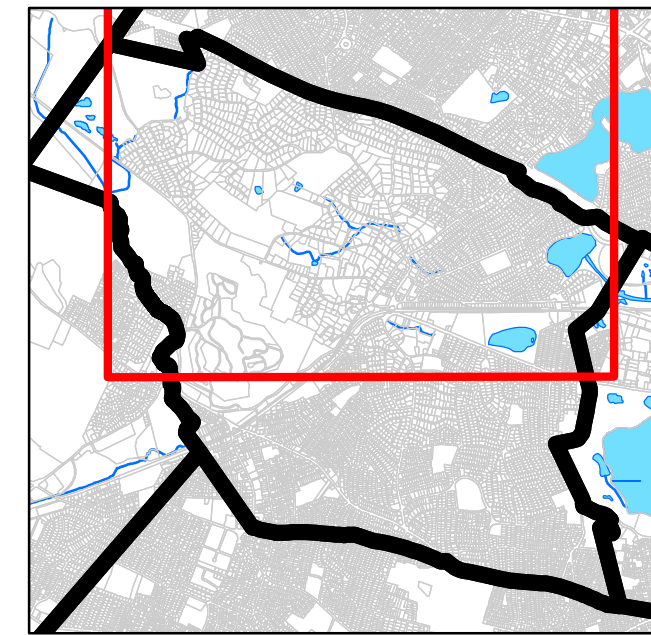
LEGEND

- Matchline
- Stream/Brook
- Water
- Building
- Parcel
- Rehabilitated Potential Indirect Sources
- Blockage Reported
- Illicit Connections

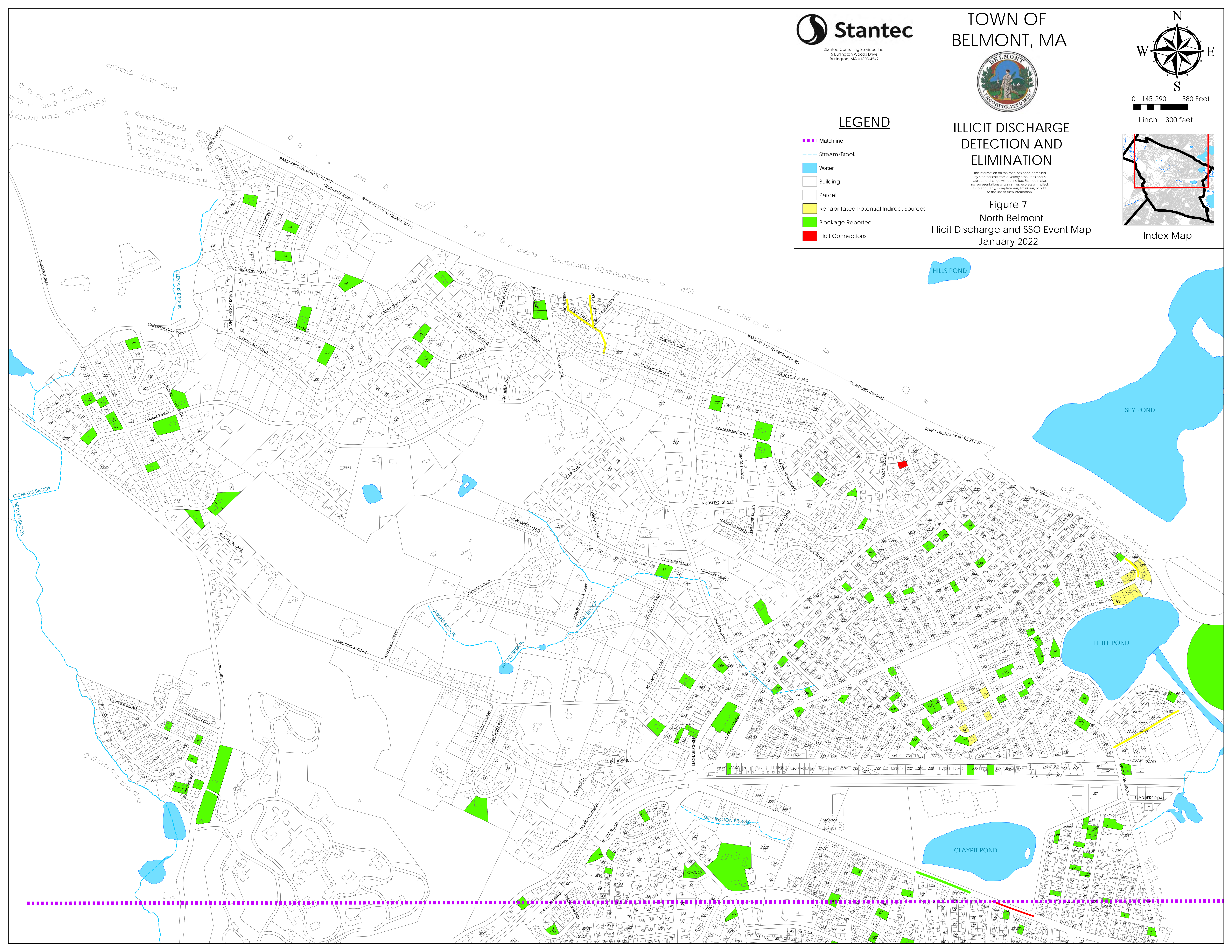
ILLICIT DISCHARGE DETECTION AND ELIMINATION

The information on this map has been compiled by Stantec staff from a variety of sources and is subject to change without notice. Stantec makes no representation or warranty, express or implied, as to accuracy, completeness, timeliness, or origin to the use of such information.

Figure 7
North Belmont
Illicit Discharge and SSO Event Map
January 2022



Index Map





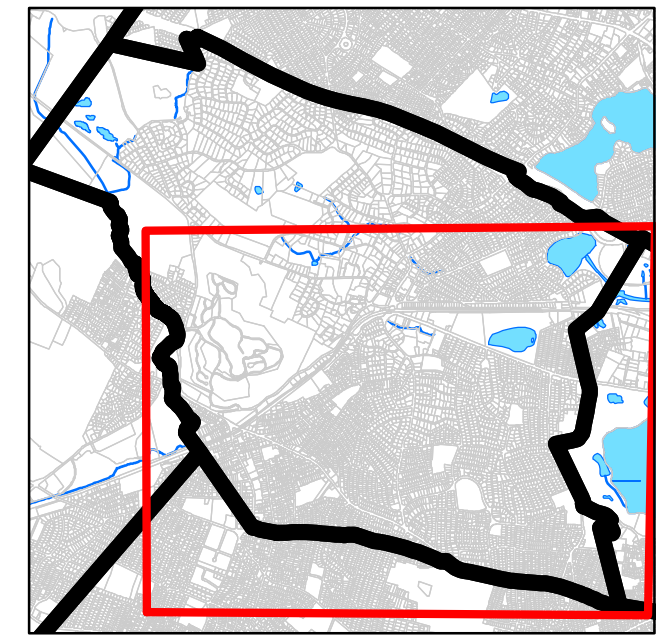
LEGEND

- Matchline
- Stream/Brook
- Water
- Building
- Parcel
- Rehabilitated Potential Indirect Sources
- Blockage Reported
- Illicit Connections

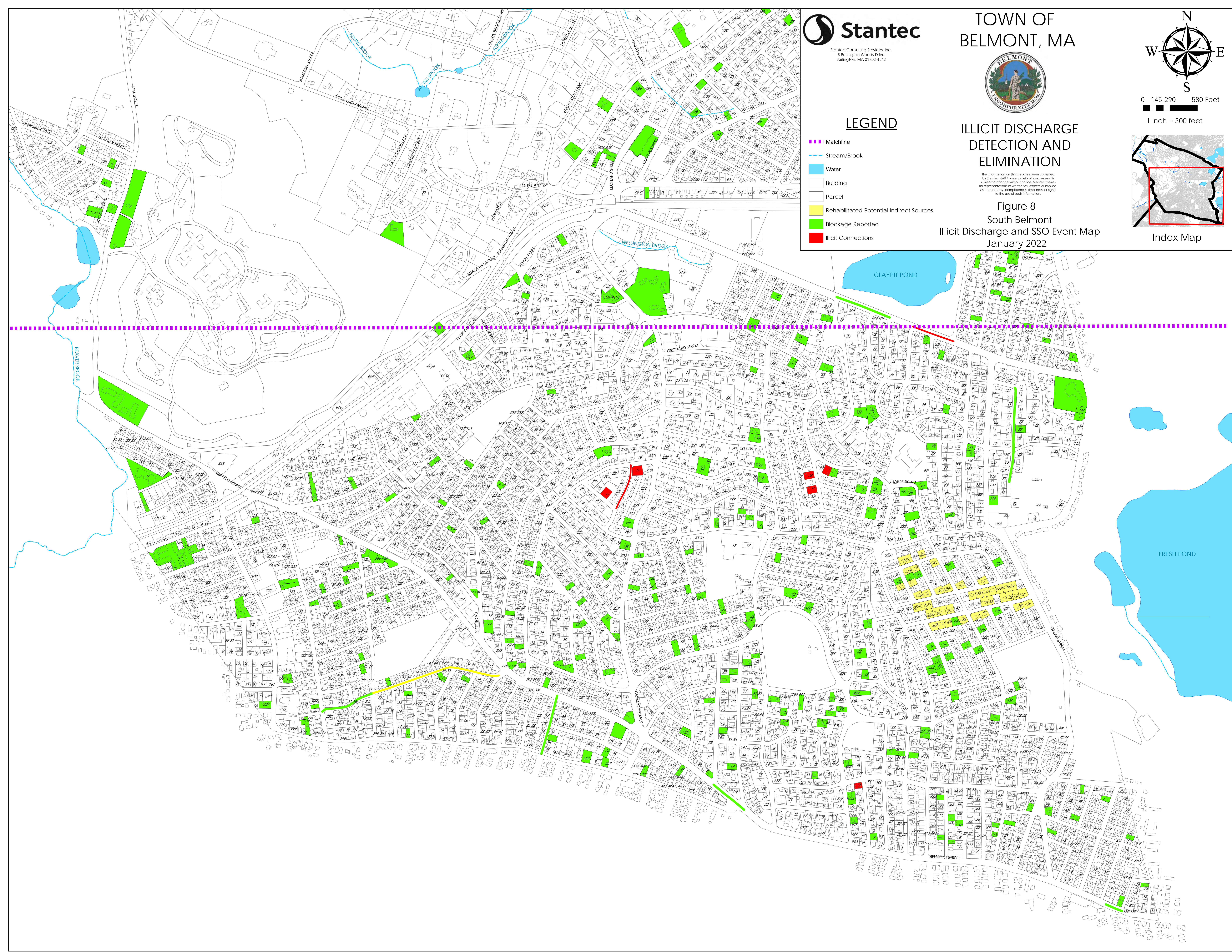
ILLICIT DISCHARGE DETECTION AND ELIMINATION

The information on this map has been compiled by Stantec staff from a variety of sources and is subject to change without notice. Stantec makes no representation or warranty, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information.

Figure 8
South Belmont
Illicit Discharge and SSO Event Map
January 2022



Index Map



BELMONT, MA
2021 IDDE INVESTIGATIONS - EPA Compliance Report January 2022

TABLE 1
Sub-catchment Areas - Reporting Period Sampling Results

Dry Weather Sub-catchment Sampling																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Sampling Parameter	Unit	Threshold Value	Sampling Location, Sampling Date, and Measured Value																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			OF-1				OF-2				OF-3				OF-4				OF-5				OF-6				OF-8				OF-9				OF-9A				OF-10 (10-5)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
			11/8/2016	5/23/2017	7/18/2017	11/9/2020	12/16/2020	11/8/2016	7/18/2017	11/10/2020	10/1/2021	11/8/2016	11/10/2020	11/9/2020	11/8/2016	11/10/2020	11/8/2016	11/9/2020	11/8/2016	11/9/2020	11/8/2016	11/9/2020	11/8/2016	11/9/2020	11/8/2016	11/9/2020	11/8/2016	9/1/2017	11/9/2018	1/26/2019	11/9/2020	11/18/2021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
E-Coli	MPN/100mL	235	100	1,900	600	<100	<100	5550	6,800	15,200	>30,000	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DRY	NS	DR

Dry Weather Sub-catchment Sampling																														
Sampling Parameter	Unit	Threshold Value	Sampling Location, Sampling Date, and Measured Value																											
			OF-11				OF-11A				OF-12				OF-13				OF-15											
			11/8/2016	6/23/2017	11/9/2020	3/23/2021	11/8/2016	6/23/2017	11/10/2020	3/23/2021	11/8/2016	6/23/2017	11/10/2020	12/16/2020	3/24/2021	11/8/2016	11/10/2020	3/24/2021	11/8/2016	7/27/2017	8/17/2017	12/11/2018	11/10/2020	11/18/2021						
E-Coli	MPN/100mL	235	>10,000	13,800	1,200	4,900	8,600	>20,000	2,600	<100	>10,000	16,000	200	700	100	50	100	<100	DRY	10,200	3,000	1,900	700	100	1,950	14,900	12,600	<100	<100	
Enterococci	MPN/100mL	61	2700	N.T.	N.T.	N.T.	3200	N.T.	N.T.	N.T.	300	N.T.	N.T.	N.T.	50	N.T.	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	900	N.T.	N.T.	N.T.	N.T.	
Ammonia (NH ₃)	mg/L	0.5	0.4	0.6	0.3	1.0	3.0	>6.0	0.6	1.0	0.4	4.0	0.3	0.0	0.4	1.0	N.T.	DRY	0.3	0.5	0.3	0.0	0.8	1.0	0.8	6.0	0.2	N.T.	N.T.	
Surfactants	ppm	0.25	0.30	0.5	N.T.	N.T.	0.50	0.6	N.T.	N.T.	0.25	0.4	N.T.	N.T.	N.T.	0.25	N.T.	N.T.	DRY	N.T.	0.5	N.T.	N.T.	N.T.	0.25	0.10	N.T.	N.T.	N.T.	
Chlorine (Cl ₂)	mg/L	ND	0.23	N.T.	N.T.	N.T.	0.17	N.T.	N.T.	N.T.	0.29	N.T.	N.T.	N.T.	0	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	0.12	N.T.	0.12	N.T.	N.T.	N.T.	
Salinity	ppt	0	N.T.	N.T.	N.T.	N.T.	0	N.T.	N.T.	N.T.	0	N.T.	N.T.	N.T.	0	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	
Conductivity	µs	0	N.T.	N.T.	N.T.	N.T.	0	N.T.	N.T.	N.T.	0	N.T.	N.T.	N.T.	0	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	
Temperature	°C	11.5	N.T.	N.T.	N.T.	N.T.	10.1	N.T.	N.T.	N.T.	17.9	N.T.	N.T.	N.T.	13.6	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	11.6	N.T.	N.T.	N.T.	N.T.	N.T.
pH		7.46	N.T.	N.T.	N.T.	N.T.	7.55	N.T.	N.T.	N.T.	7.85	N.T.	N.T.	N.T.	7.08	N.T.	N.T.	DRY	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	7.71	N.T.	N.T.	N.T.	N.T.	N.T.

Dry Weather Sub-catchment Sampling																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Sampling Parameter	Unit	Threshold Value	Sampling Location, Sampling Date, and Measured Value																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			8-1				8-2				8-3				8-4				8-5				8-6				8-6A				8-6B				10-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
			11/8/2016	7/18/2017	8/17/2017	11/9/2020	10/1/2021	11/8/2016	7/27/2017	8/11/2017	11/9/2020	3/24/2021	11/8/2016	11/9/2020	3/24/2021	10/1/2021	11/8/2016	11/9/2020	3/27/2020	11/9/2020	3/23/2021	11/18/2021	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016	7/27/2017	11/8/2018	11/9/2020	11/8/2016

Most Recent Reporting Period
ND Sampled - None Detected
N.T. Not Tested
NS Not Sampled - Very little flow or wet but no flow
DRY System was dry

Attachment 1

Private Sector Sump Pump Removal & Sanitary Sewer Rehabilitation Contract Drawings



TOWN OF BELMONT, MASSACHUSETTS

PRIVATE SECTOR SUMP PUMP
REMOVAL & SEWER SYSTEM
REHABILITATION

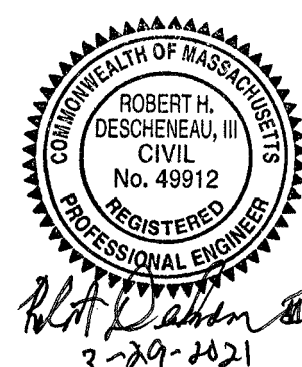
MWRA PROJECT NO.
WRA-P11-04-3-1124 &
MWRA PROJECT NO.
WRA-P11-04-3-1160

MARCH 2021

Project Number: 195113362

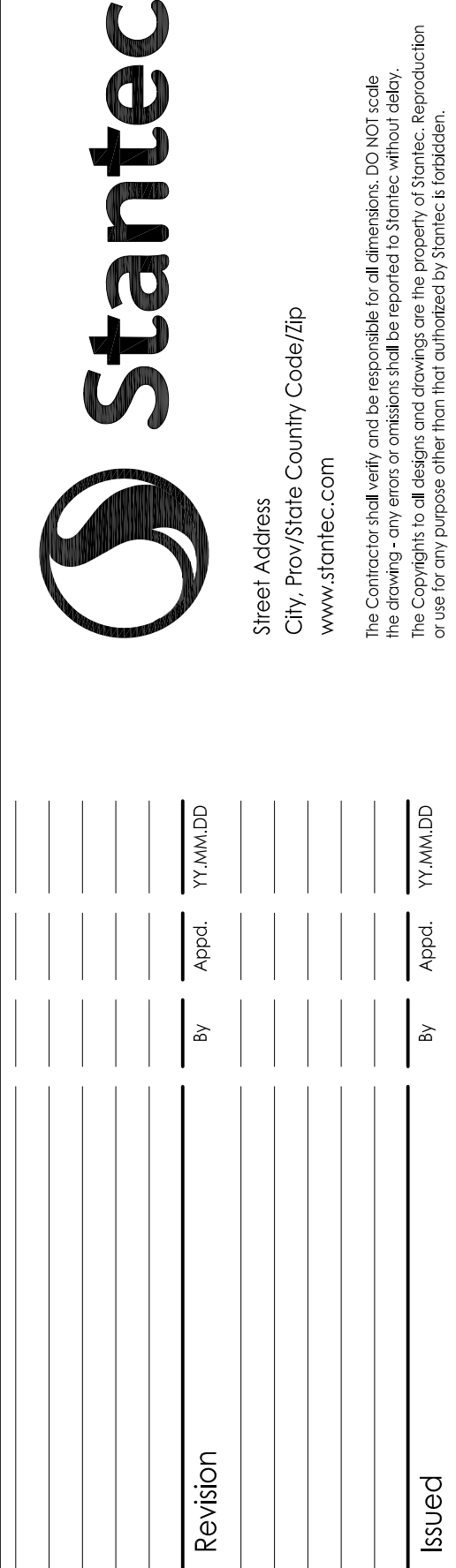
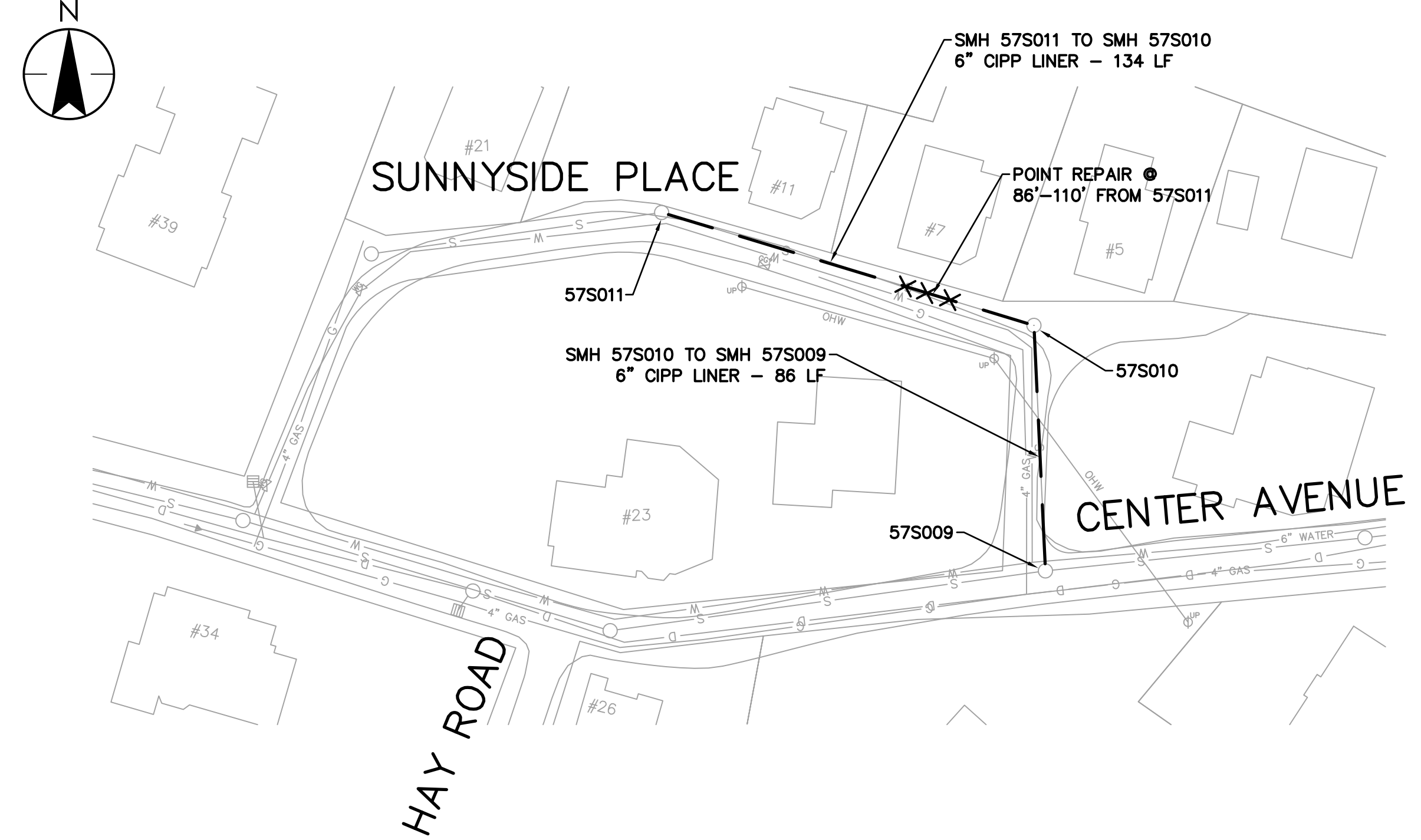
INDEX TO DRAWINGS

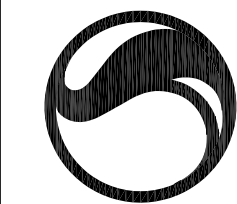
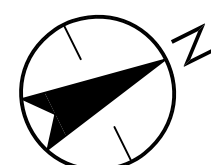
SHEET NO.	DRAWING NO.	TITLE
1	G-001	COVER
2	G-002	KEY PLAN NORTH
3	G-003	KEY PLAN SOUTH
4	C-001	LEGEND, ABBREVIATIONS AND GENERAL NOTS
5	C-101	KING STREET, BARTLETT AVENUE AND SUNNYSIDE PLACE
6	C-102	HOMER ROAD AND HASTINGS ROAD
7	C-103	PALFREY ROAD, GARDEN STREET AND VAN NESS ROAD
8	C-104	LEONARD STREET
9	C-105	MIDDLECOT STREET AND HURLEY STREET
10	C-106	SHERMAN STREET AND HAMMOND ROAD
11	C-107	RADCLIFFE ROAD
12	C-108	CROSS STREET AND LAKE STREET
13	C-109	PROSPECT STREET
14	C-110	ORCHARD STREET AND EDWARD STREET
15	C-111	CHARLES STREET
16	C-112	WINTHROP ROAD AND SLADE STREET
17	C-113	GLENDALE ROAD
18	C-114	FAIRMONT STREET AND HIGHLAND ROAD
19	C-115	HILLCREST ROAD
20	C-116	STULTS ROAD
21	C-117	TOWNSEND ROAD AND PAYSON ROAD
22	C-118	WOODS ROAD AND BACON ROAD
23	C-119	DALTON ROAD AND ANIS ROAD
24	C-120	SUMP PUMP – HOITT RD, SHERMAN ST, BRIGHTON ST AND COOLIDGE RD
25	C-121	SUMP PUMP – CROSS ST, LEXINGTON ST AND SLADE ST
26	C-122	SUMP PUMP – WAVERLEY ST, HOMER RD AND COMMON ST
27	C-123	SUMP PUMP – COTTAGE ST, SPINNEY TERR, GODEN ST AND SCHOOL ST
28	C-124	SUMP PUMP – GODEN ST, CONCORD AVE AND BAKER ST
29	C-125	SUMP PUMP – WASHINGTON ST, DALTON RD, LIVERMORE RD AND BETTS RD
30	C-126	SUMP PUMP – ANIS RD, CLAFLIN ST AND HARTLEY RD
31	C-501	SUMP PUMP RELOCATION DETAILS
32	C-502	MISCELLANEOUS DETAILS 1 OF 2
33	C-503	MISCELLANEOUS DETAILS 2 OF 2





0





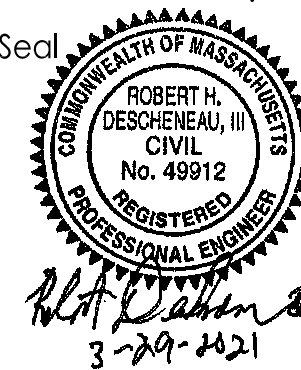
Street Address
City, Prov/State Country Code/Zip
www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MMWRA PROJECT NO. WRA-P11-04-3-1124 &
MMWRA PROJECT NO. WRA-P-11-04-3-1160

Permit-Seal



Project Number: 195113362

File Name:

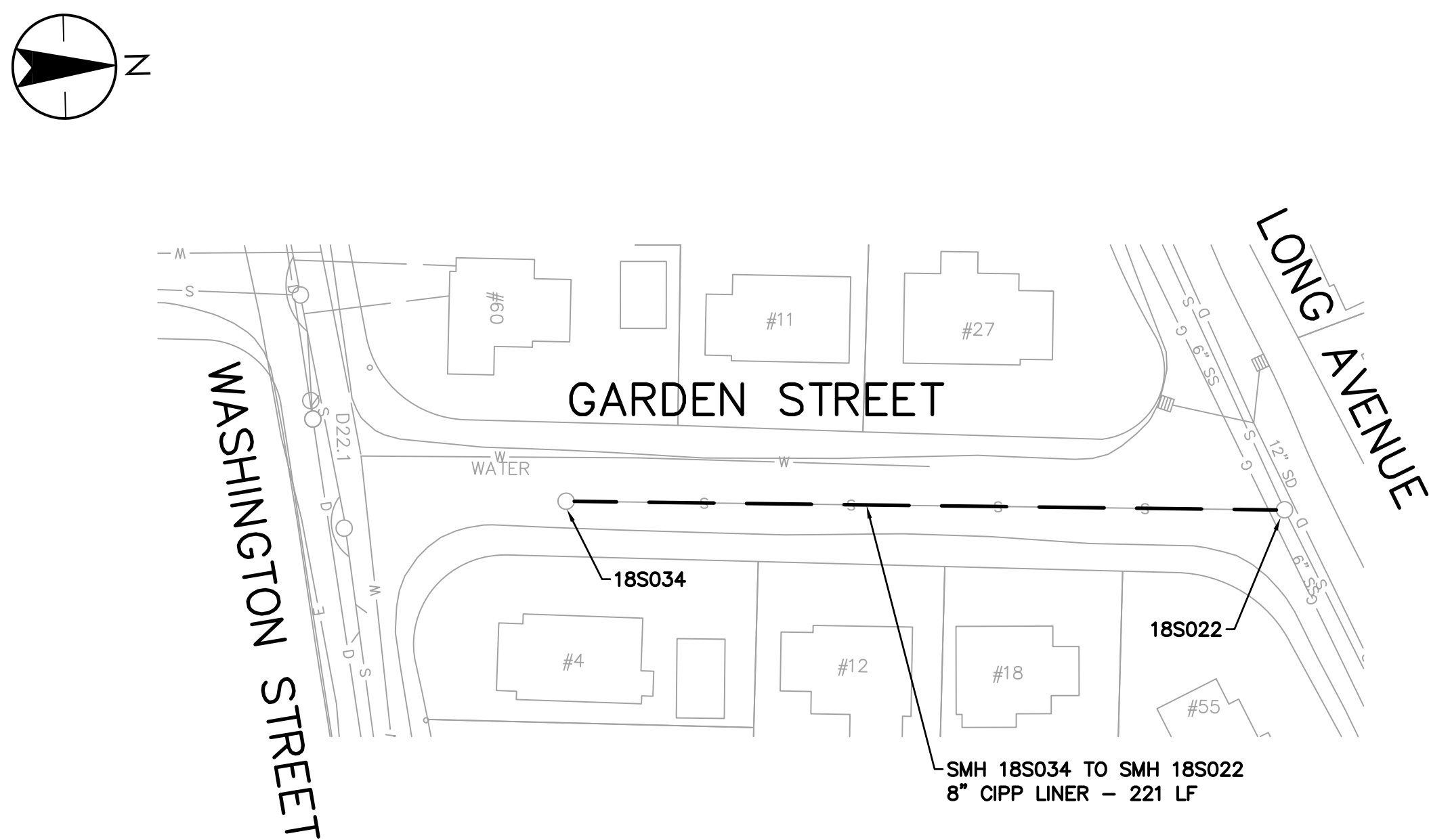
AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

DWG. No.	C-102
----------	-------

Revision Sheet

0

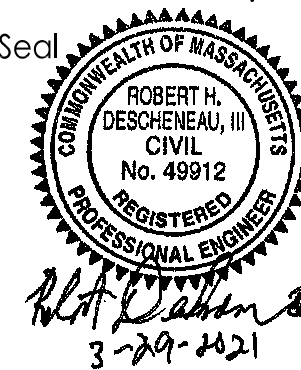
6 of

[illegible]

ORIGINAL SHEET - ANSI D

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P11-04-3-1160
BELMONT, MASSACHUSETTS
PALFREY ROAD, GARDEN STREET AND VAN NESS ROAD

Permit-Seal



Project Number: 195113362

File Name:

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

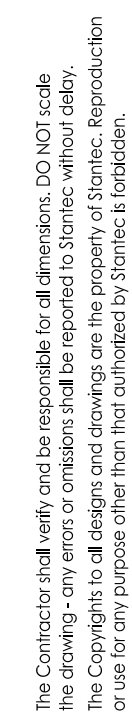
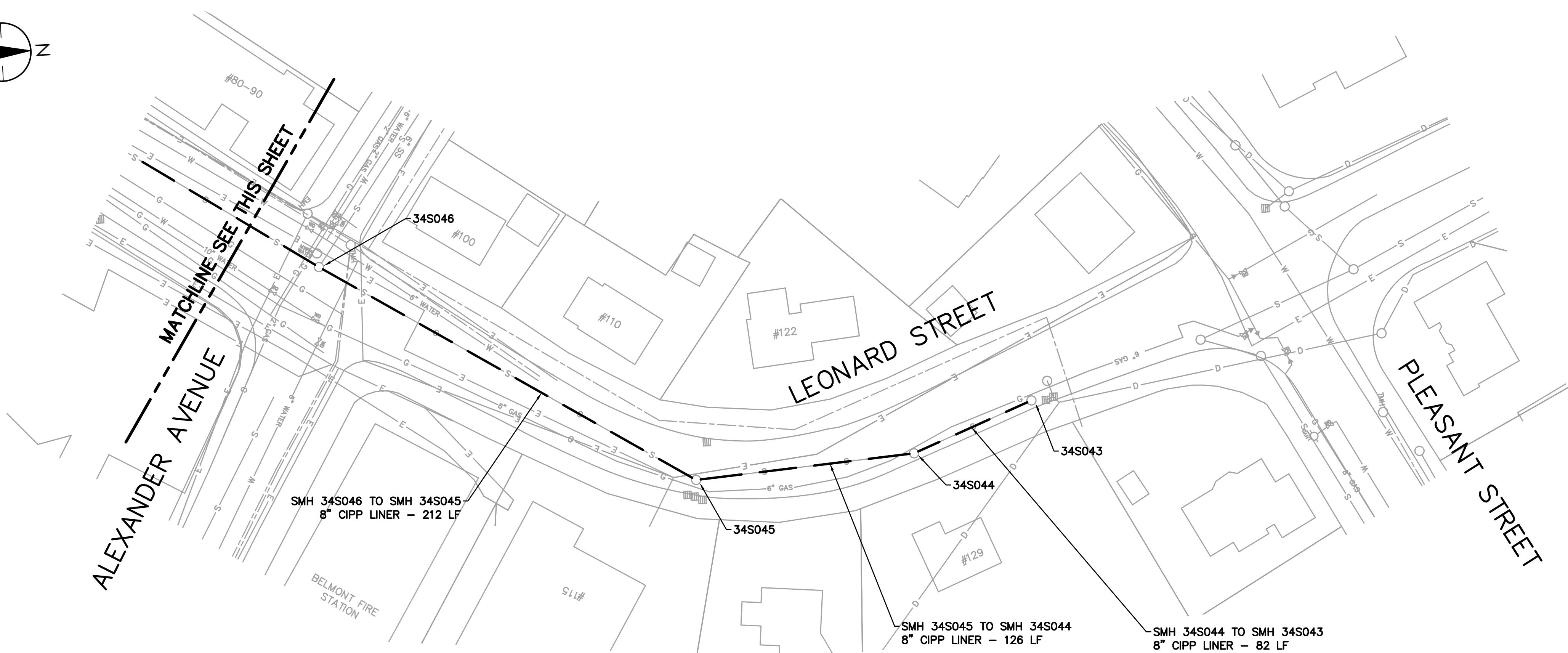
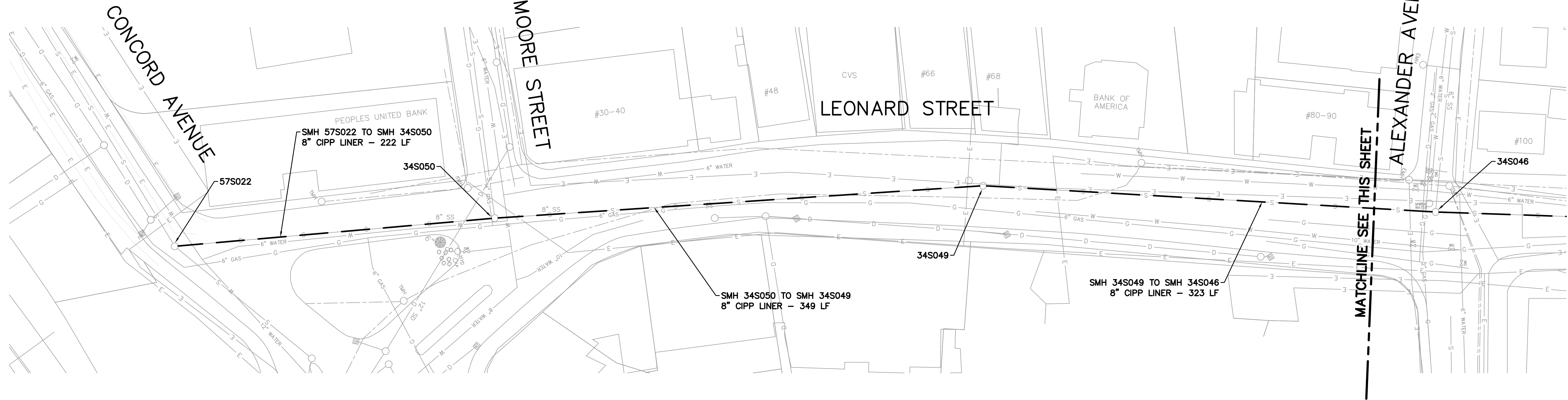
DWG. No.	C-103
----------	-------

Revision Sheet

Revision Sheet

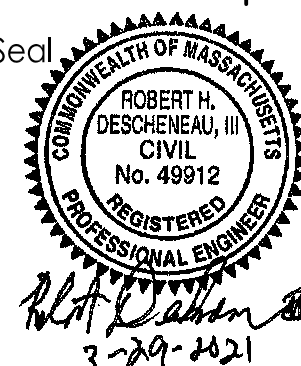
0

7 of

[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MMWRA PROJECT NO. WRA-P11-04-3-1124 &
MMWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS

Permit-Seal



Project Number: 195113362

File Name

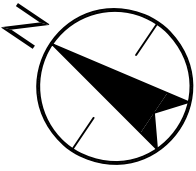
AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Drawing No. C-104

Revision Sheet

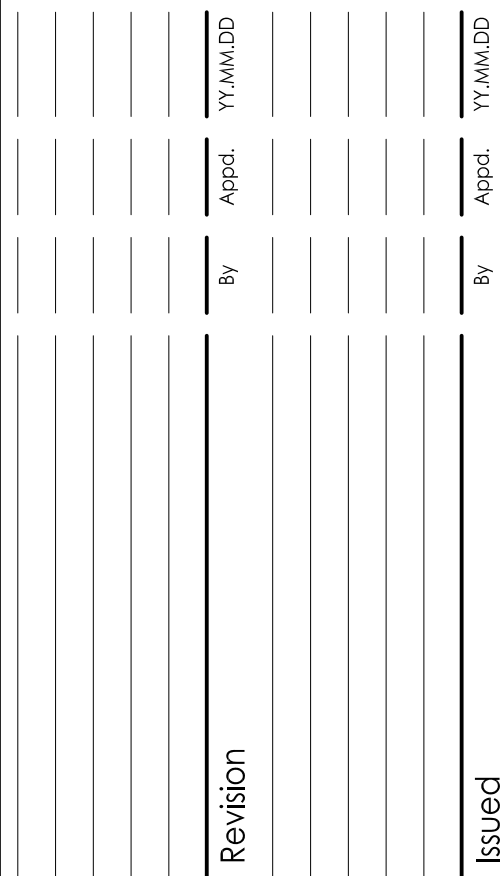
C

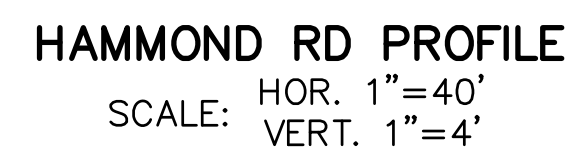
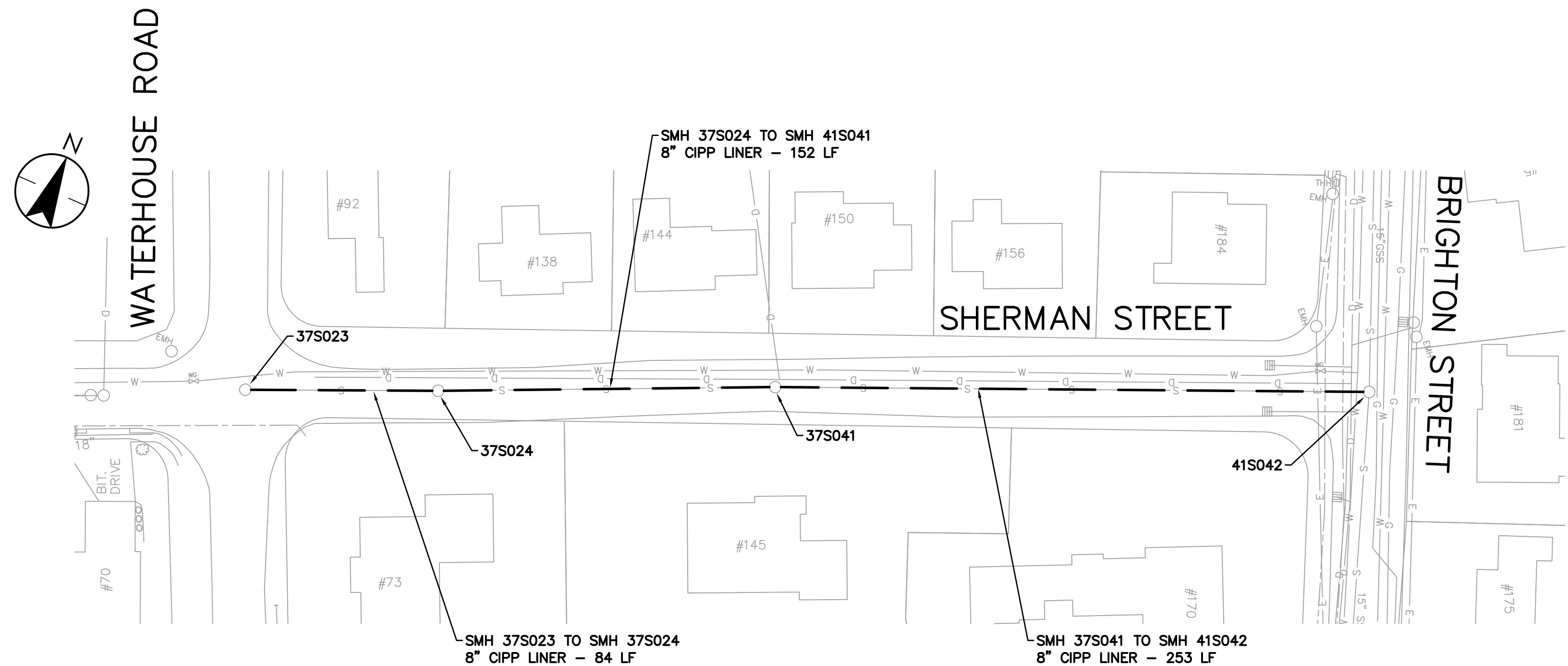
8 of



ORIGINAL SHEET - ANS/D

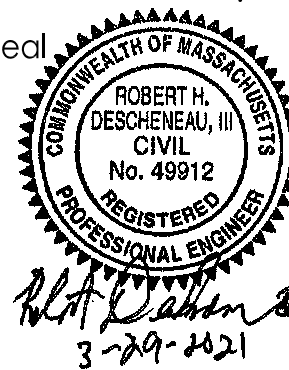
0



[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P-11-04-3-1124 &
MWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS
SHERMAN STREET AND HAMMOND ROAD

Permit-Seal,



Project Number: 195113362

File Name:

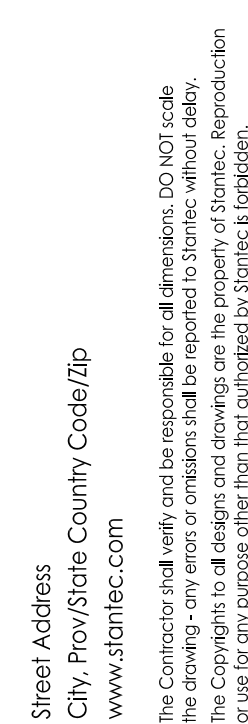
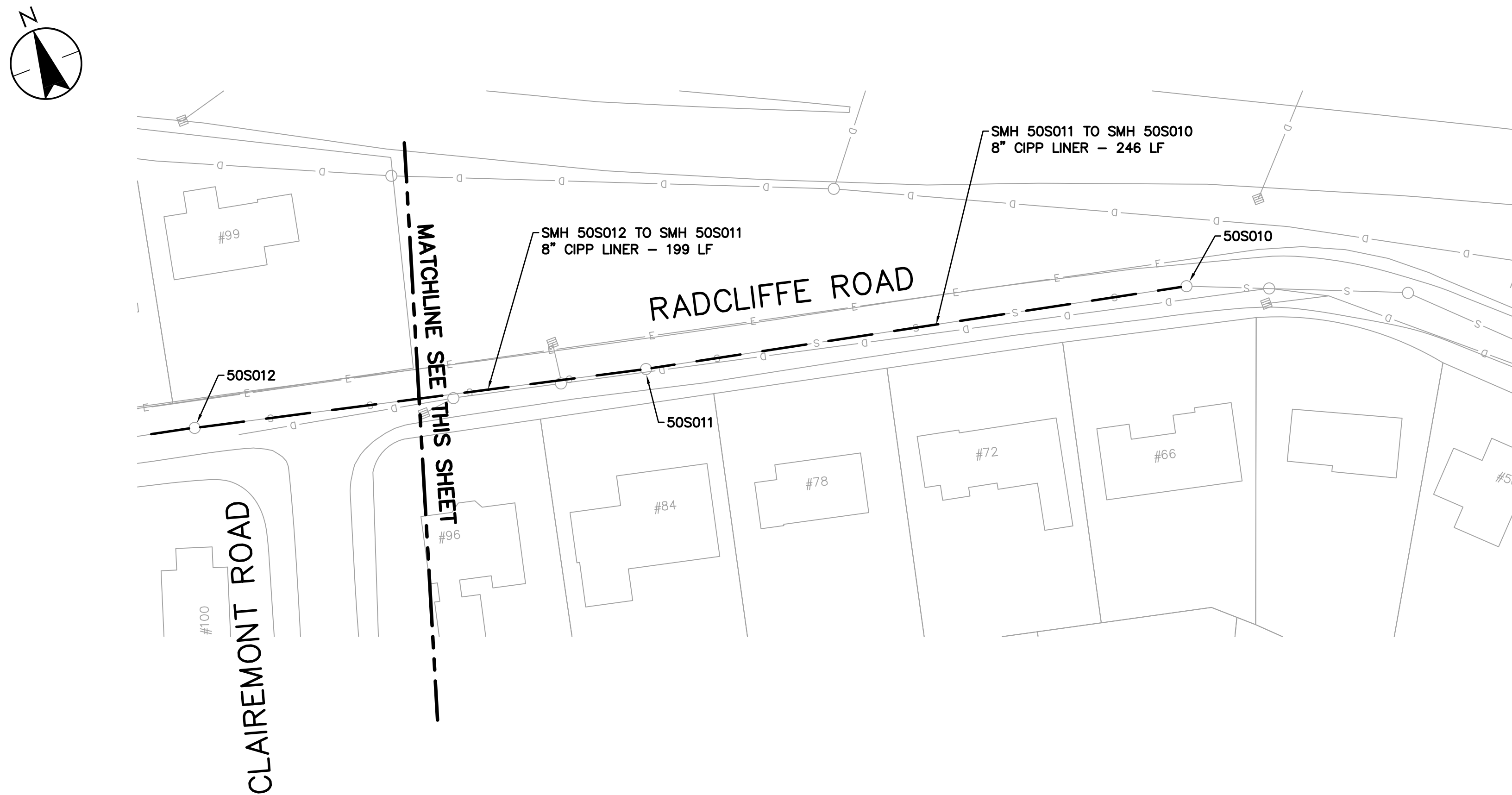
AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Drawing No. C-106

Revision Sheet

0


10 of



TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION

MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P11-04-3-1160
BELMONT, MASSACHUSETTS
RADCLIFFE ROAD

Permit-Seal



Robert H. Descheneau III
3-29-2021

Project Number: 195113362

File Name:

21.03.31
YY.MM.DD

AMD RHD RPB
Dwn. Chkd. Dsgn.

C-107

Revision

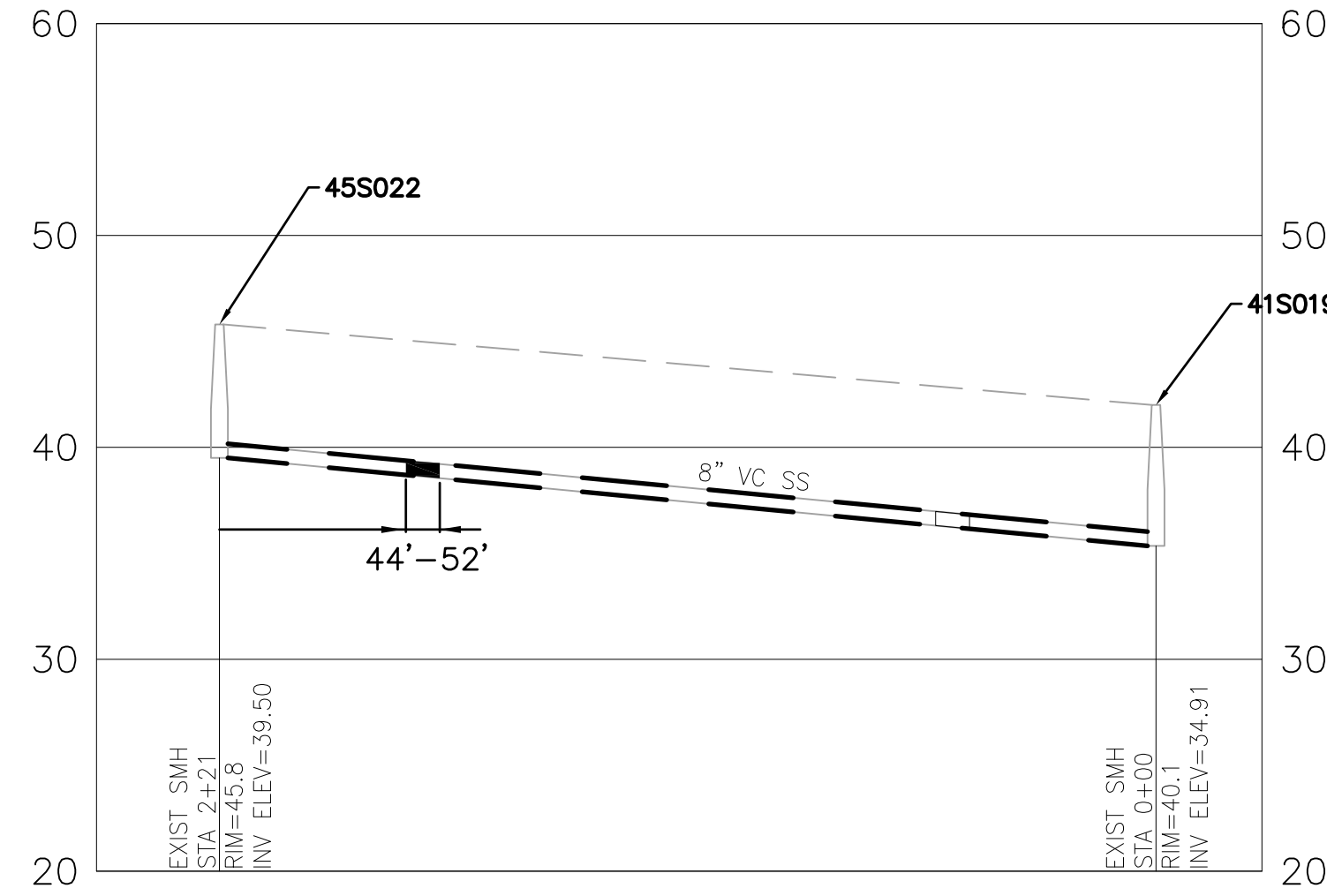
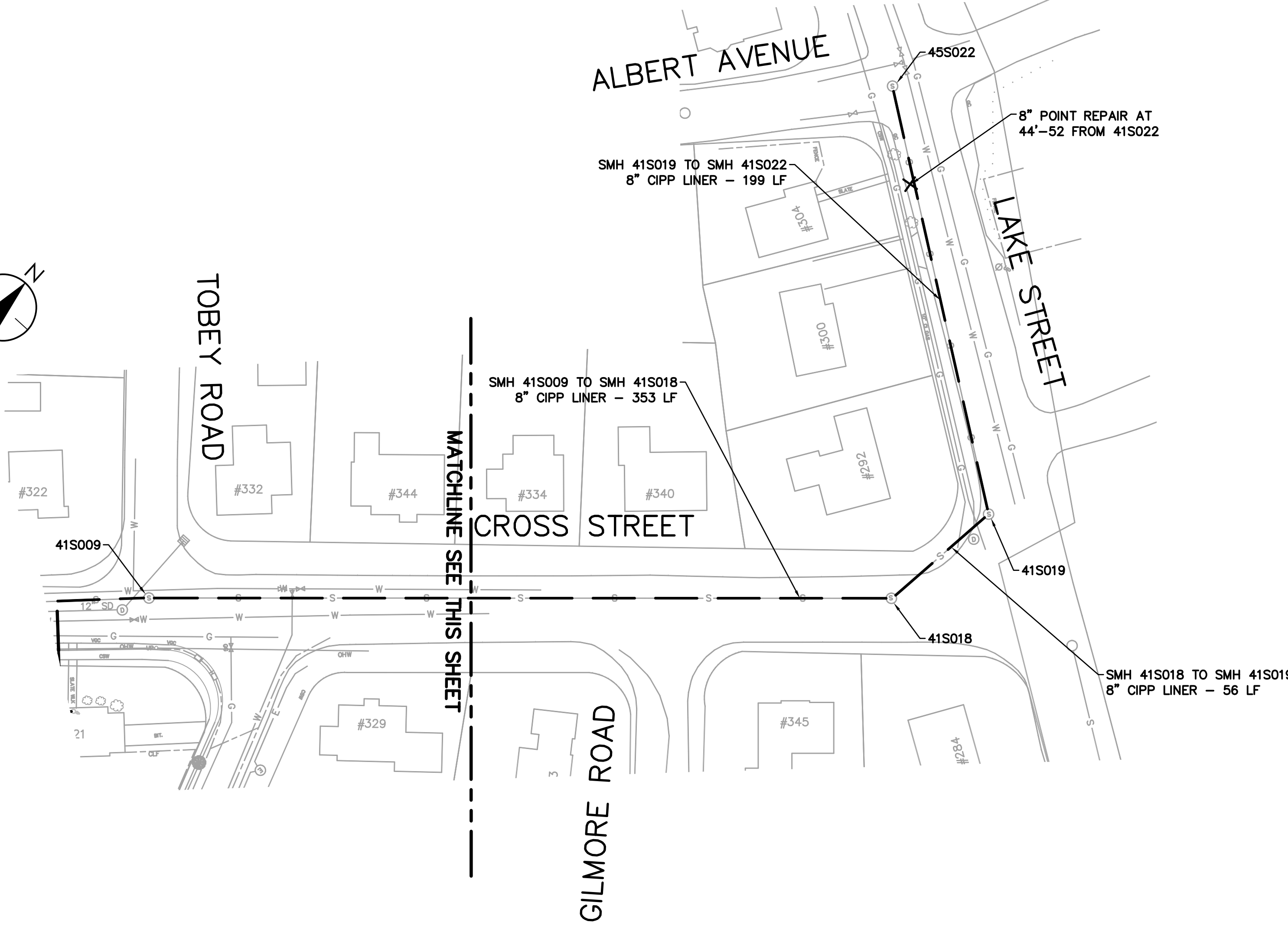
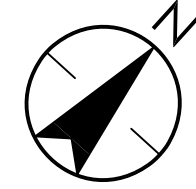
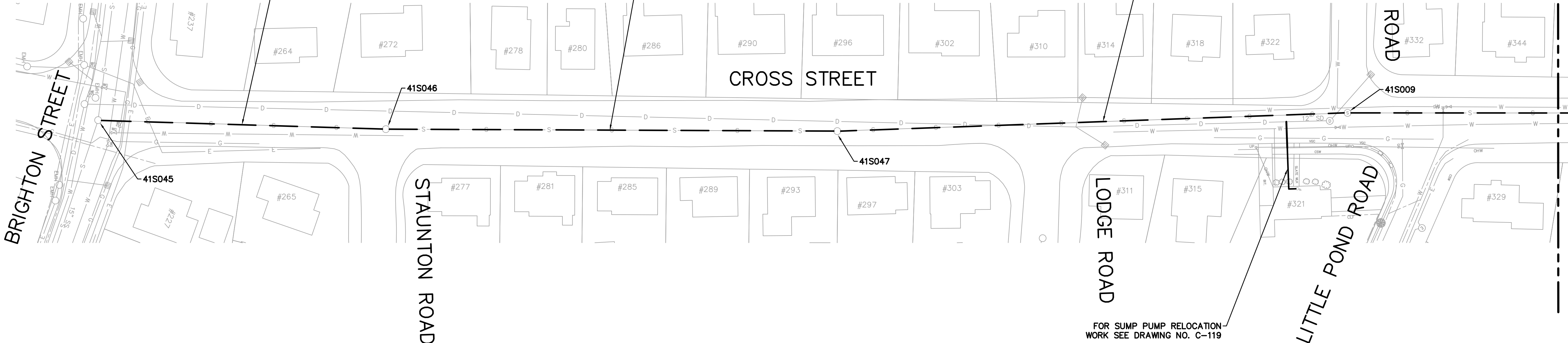
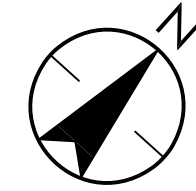
Sheet

0

11 of

\\131\cadd\1\111560_5_dwg\13_Sump Removal\1_C-108_CROSS ST_LAKE ST.dwg
2021/03/29 11:23 AM BY 5042557.A001

ORIGINAL SHEET - ANSI D



LAKE ST PROFILE
SCALE: HOR. 1"=40'
VERT. 1"=4'

Street Address
City, Prov/State Country Code/dp
www.stantec.com

Revision
By
Appd.
Y1AMMDD

Issued
By
Appd.
Y1AMMDD

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION

MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P11-04-3-1160
BELMONT, MASSACHUSETTS
CROSS STREET AND LAKE STREET

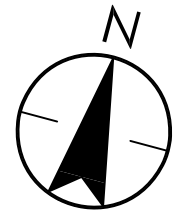
Permit-Seal

Project Number: 195113362
File Name:

AMD	RHD	RPB	21.03.31
Dwn	Chkd	Dsgn	YYMMDD

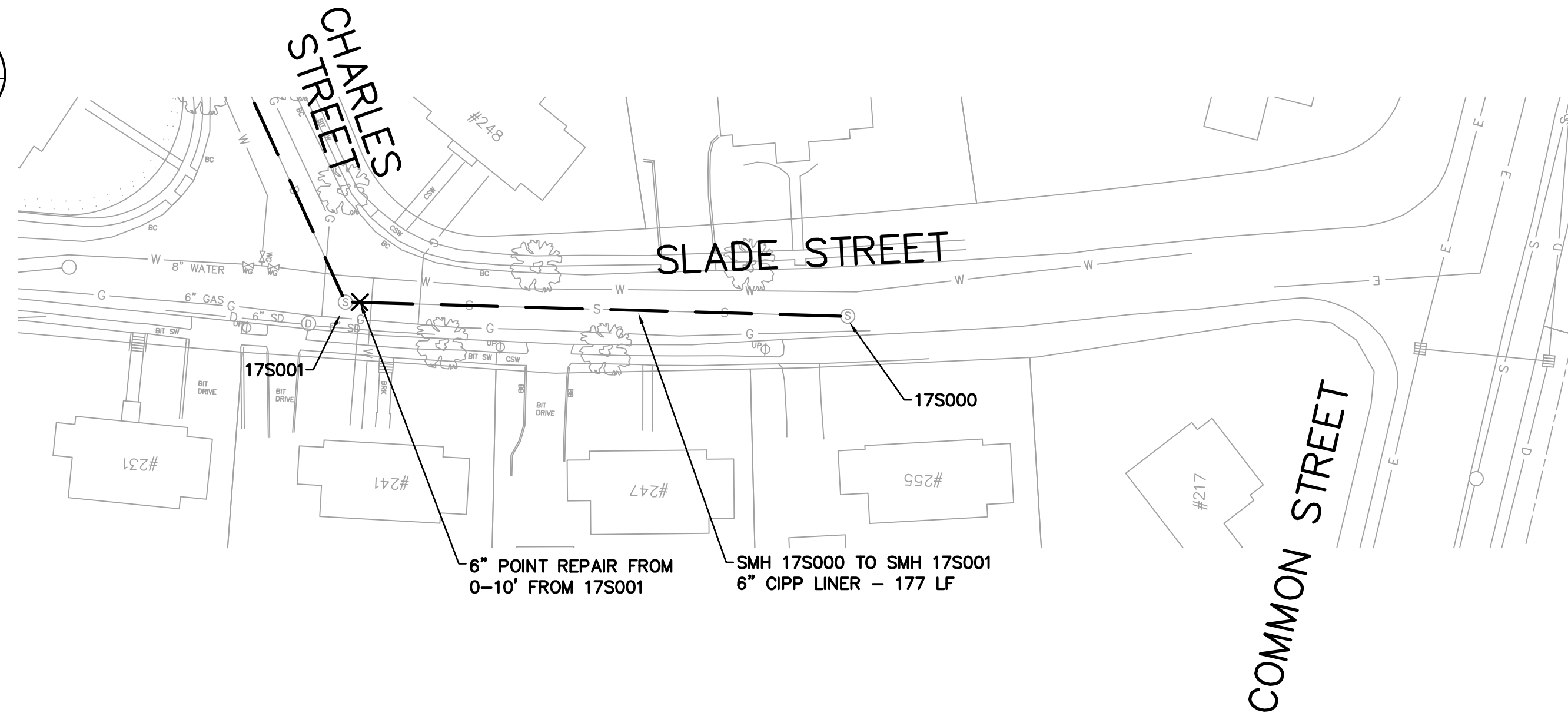
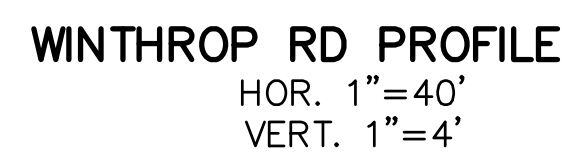
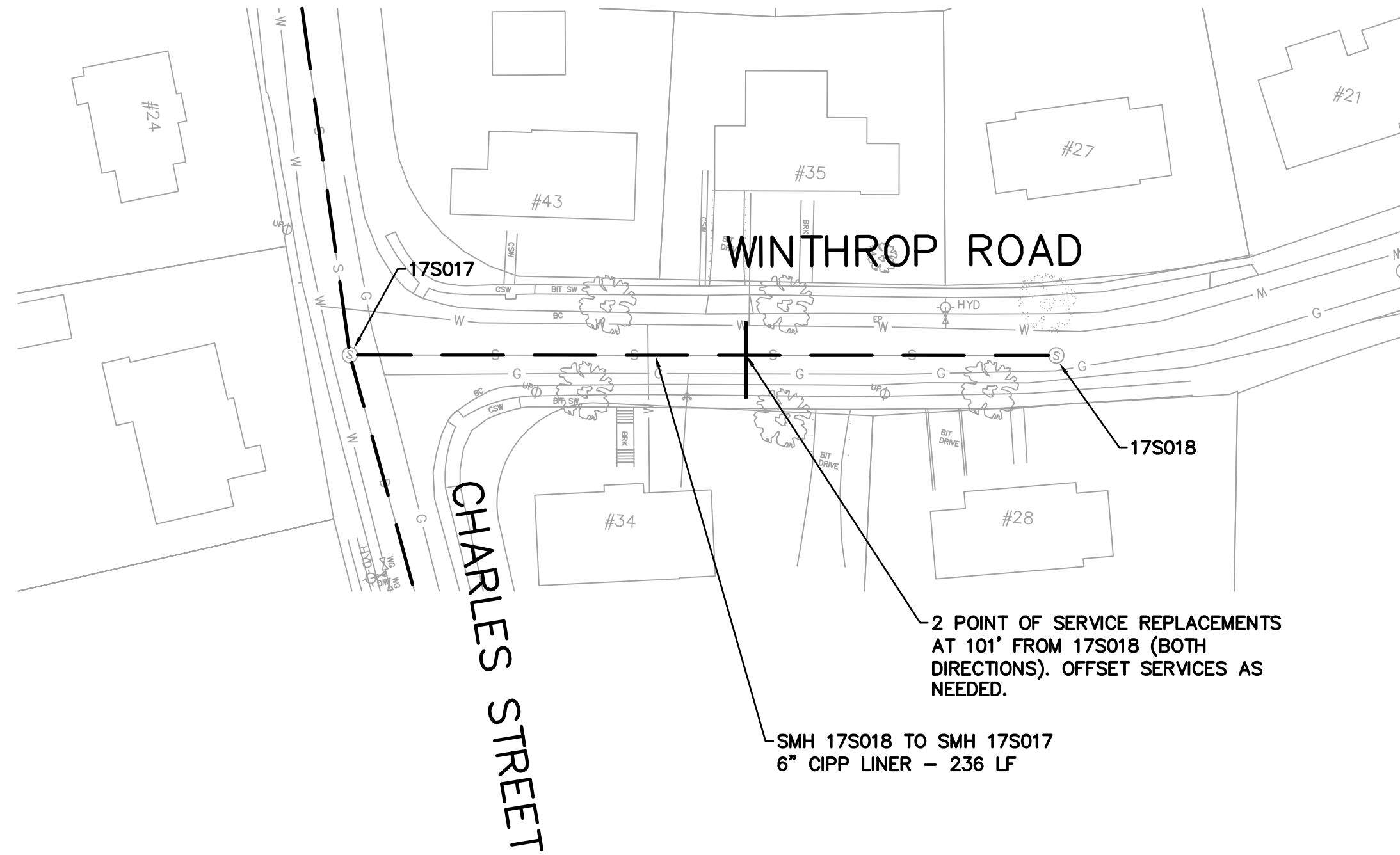
Drawing No. C-108
Revision Sheet

0 12 of

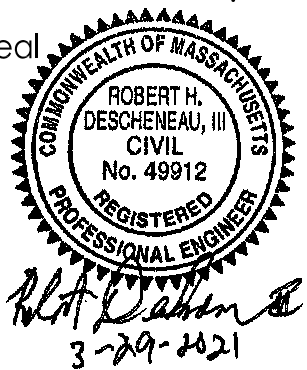


ORIGINAL SHEET - ANS/D

10

[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P-11-04-3-1124 &
MWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS
WINTHROP ROAD AND SLADE STREET

Permit-Seal 

Project Number: 195113362

File Name:

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

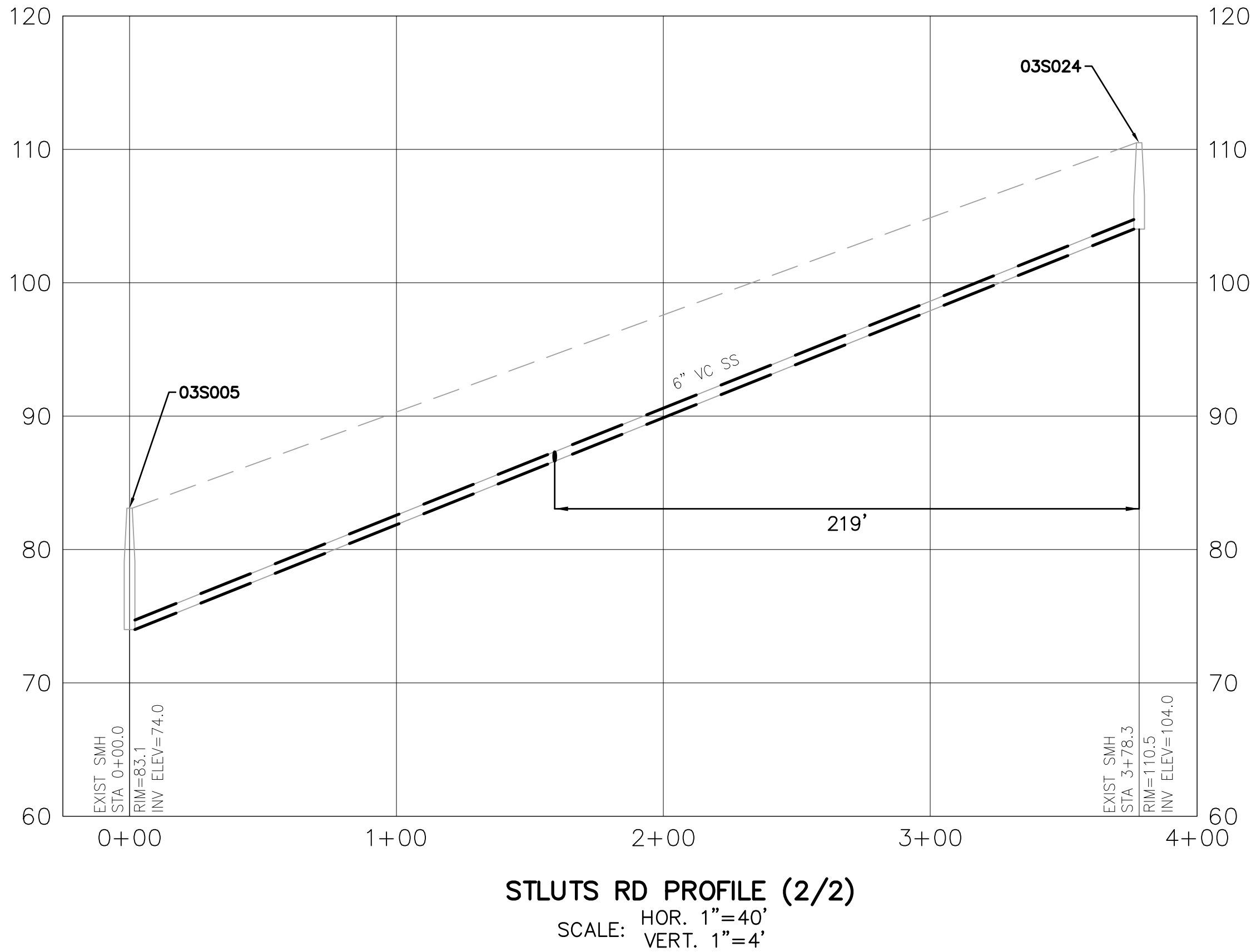
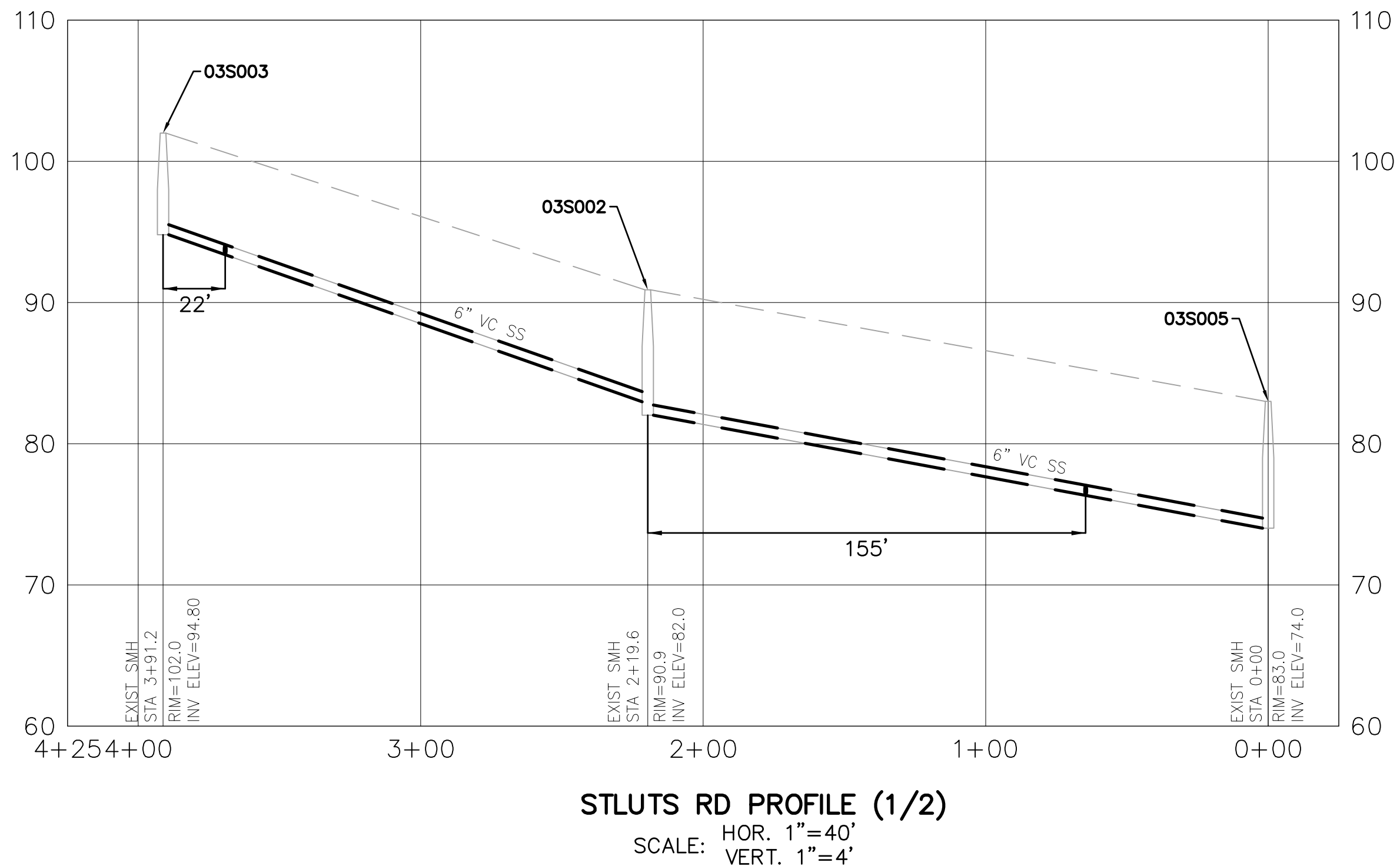
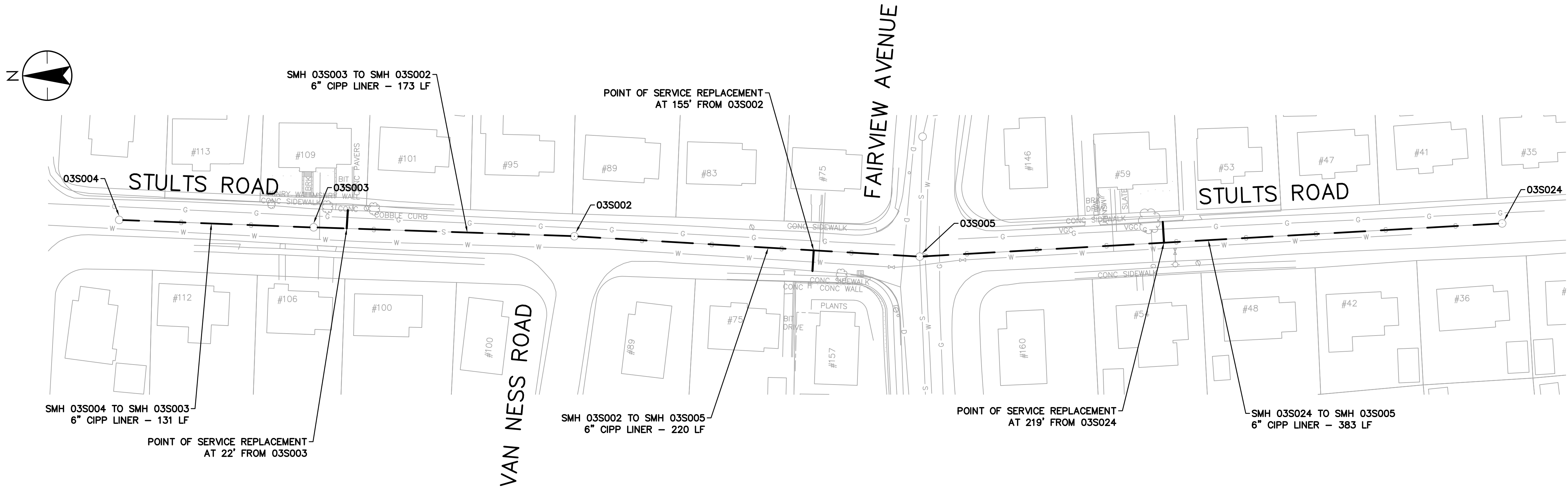
Drawing No.	C-112
-------------	-------

Revision Sheet

0 16 of

\\STANT\cadd\195113362\cadd\pump removal\3ump Removal\Drawings\cadd\C-116 STULTS RD.dwg
2023/03/29 11:23 AM BY 50425557 ADD

ORIGINAL SHEET - ANSI D



Revision		By	Appd.	YY.MM.DD
Issued		By	Appd.	YY.MM.DD

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION

MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS
STULTS ROAD

Permit Seal

COMMONWEALTH OF MASSACHUSETTS
ROBERT H. DESCHENEAU, III
No. 49912
REGISTERED
PROFESSIONAL ENGINEER

Robert H. Descheneau, III
3-29-2021

Project Number: 195113362

File Name:

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

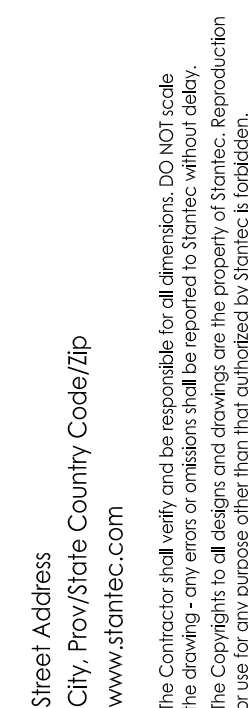
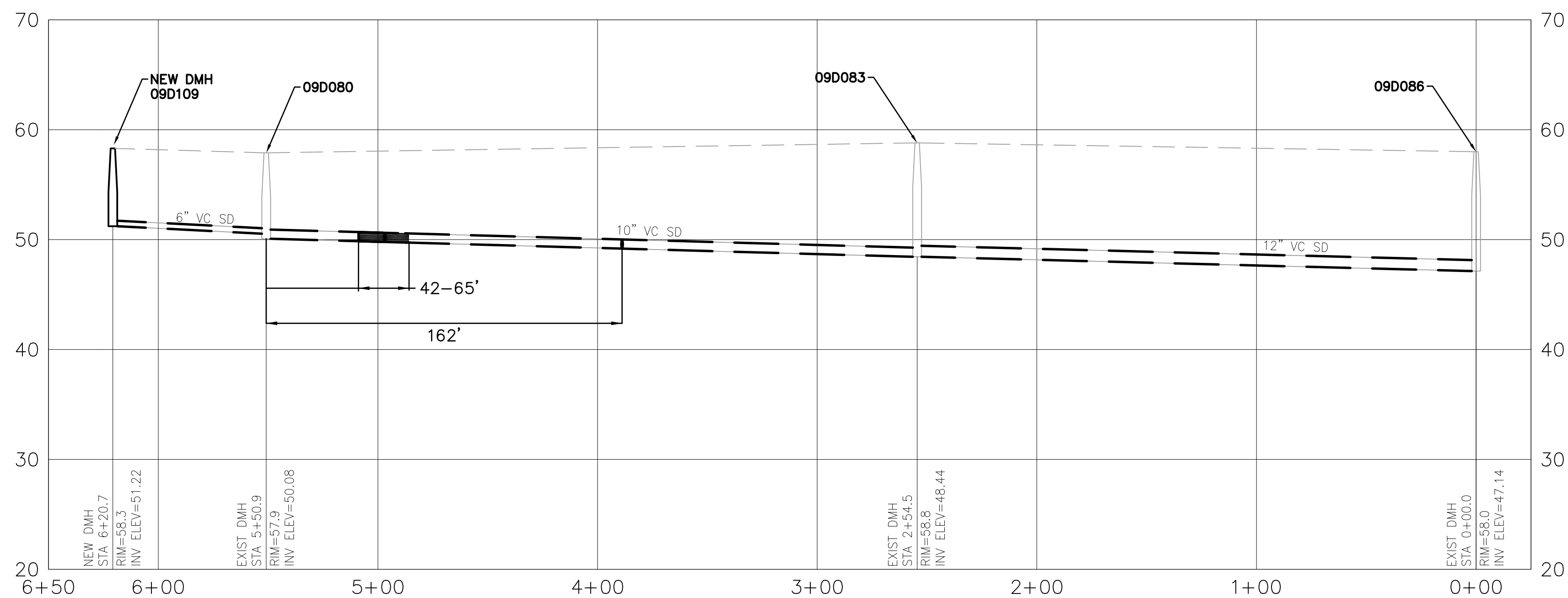
Drawing No. C-116

Revision Sheet

0

20 of



[illegible]

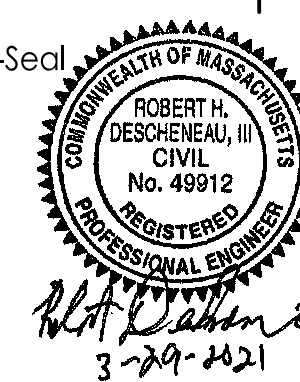
WOODS RD PROFILE
SCALE: HOR. 1"=40'
VERT. 1"=4'

\\1951\active\195113362\5_design\Sump Pump Removal\civil\drawings\civil\C-118 WOODS RD_BACON RD.dwg
2021/03/29 11:25 AM By: DCCecca, Alicia

ORIGINAL SHEET - ANSI D

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS
WOODS ROAD AND BACON ROAD

Permit-Seal



Project Number: 195113362

File Name

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

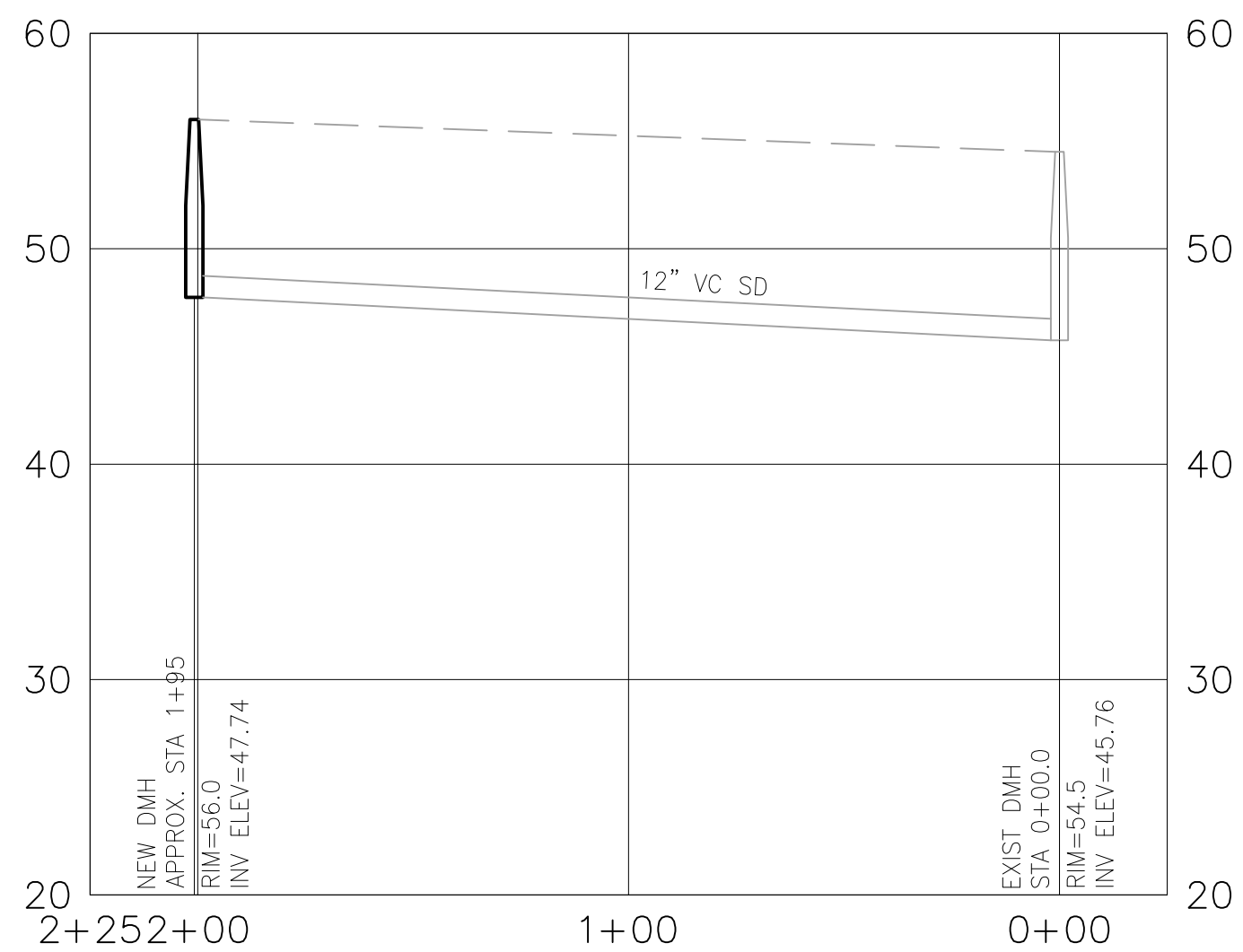
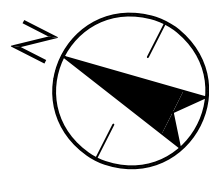
DWG.	CHRG.	DATE
Drawing No.	C-118	

Revision Sheet

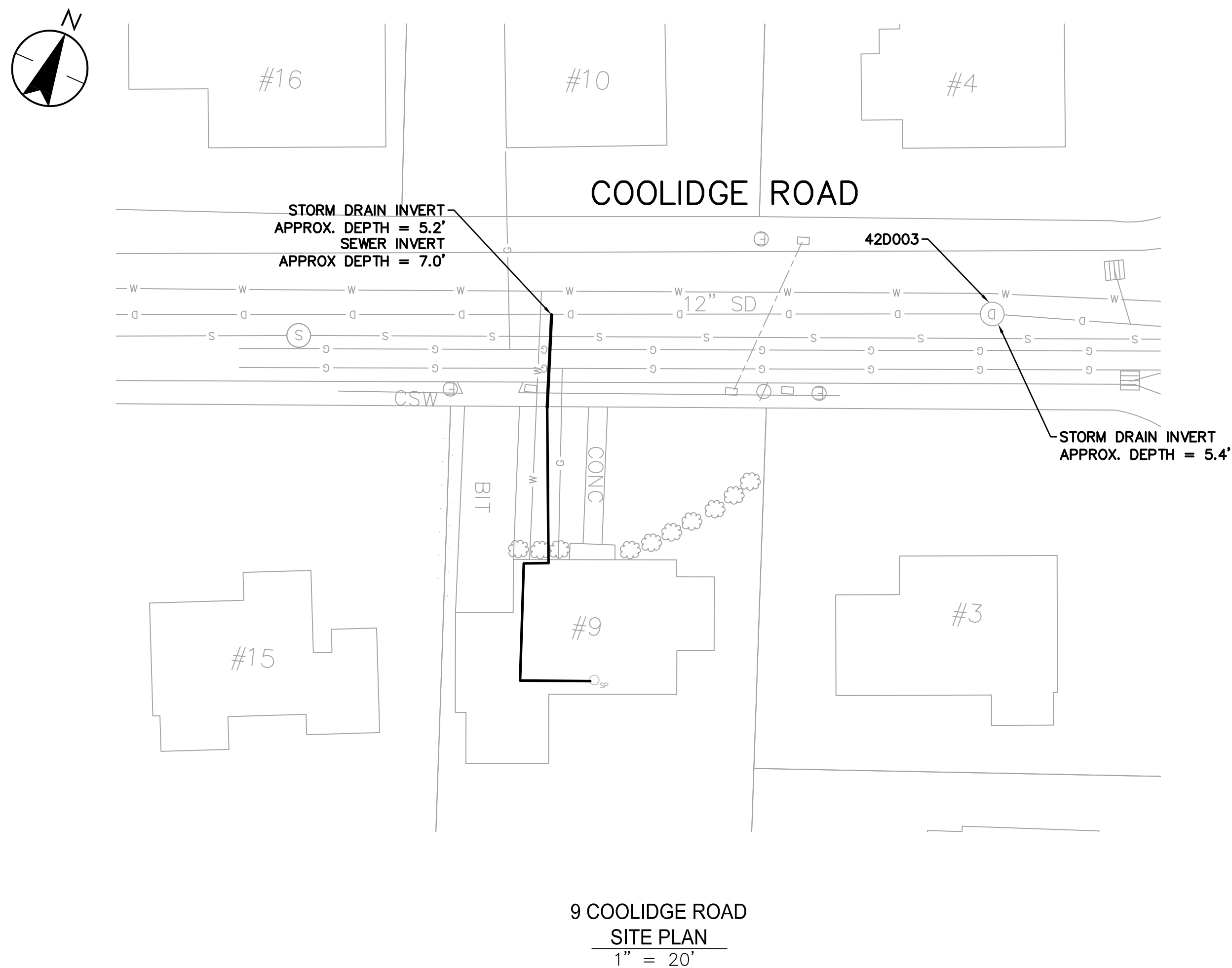
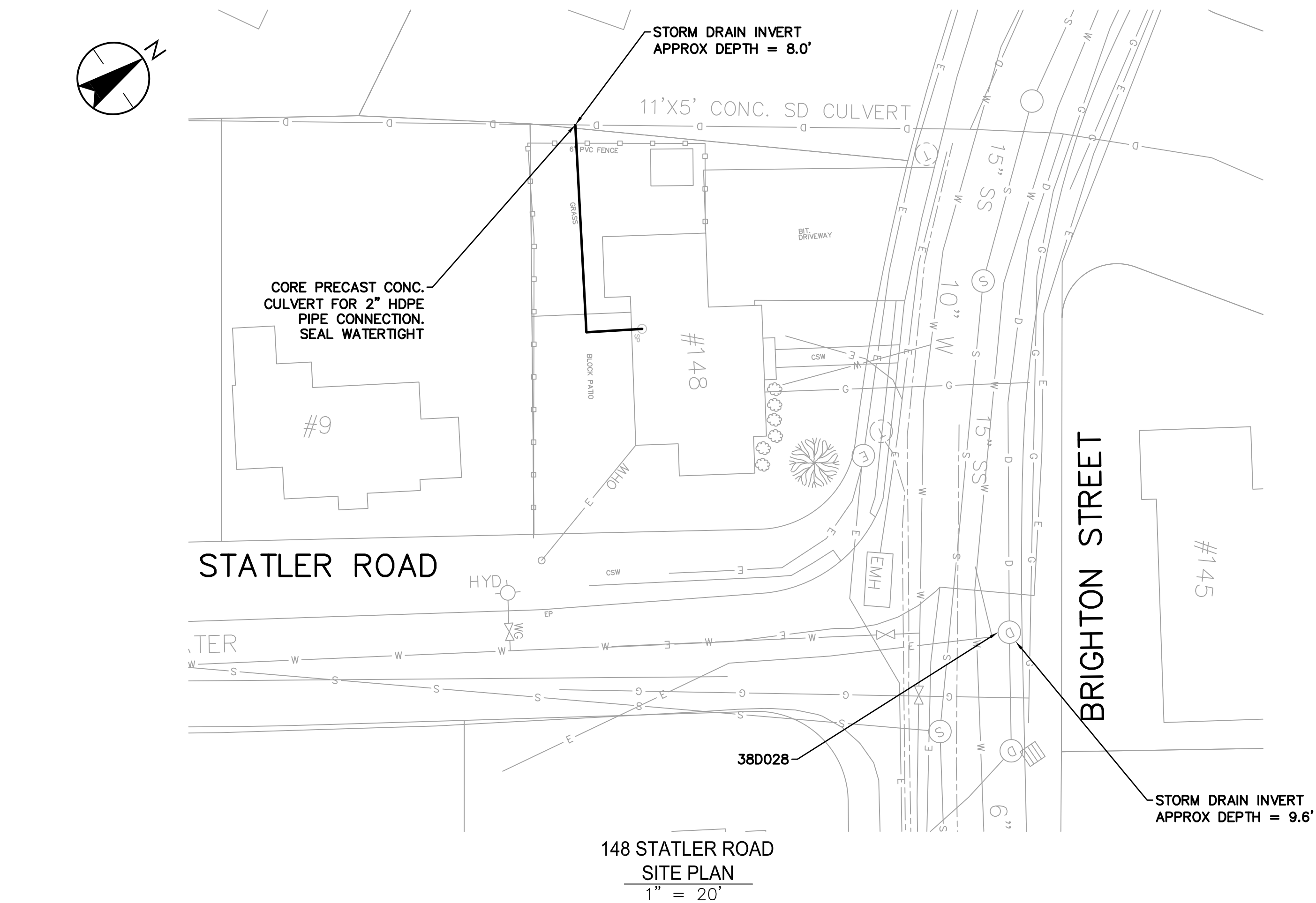
0 2

C

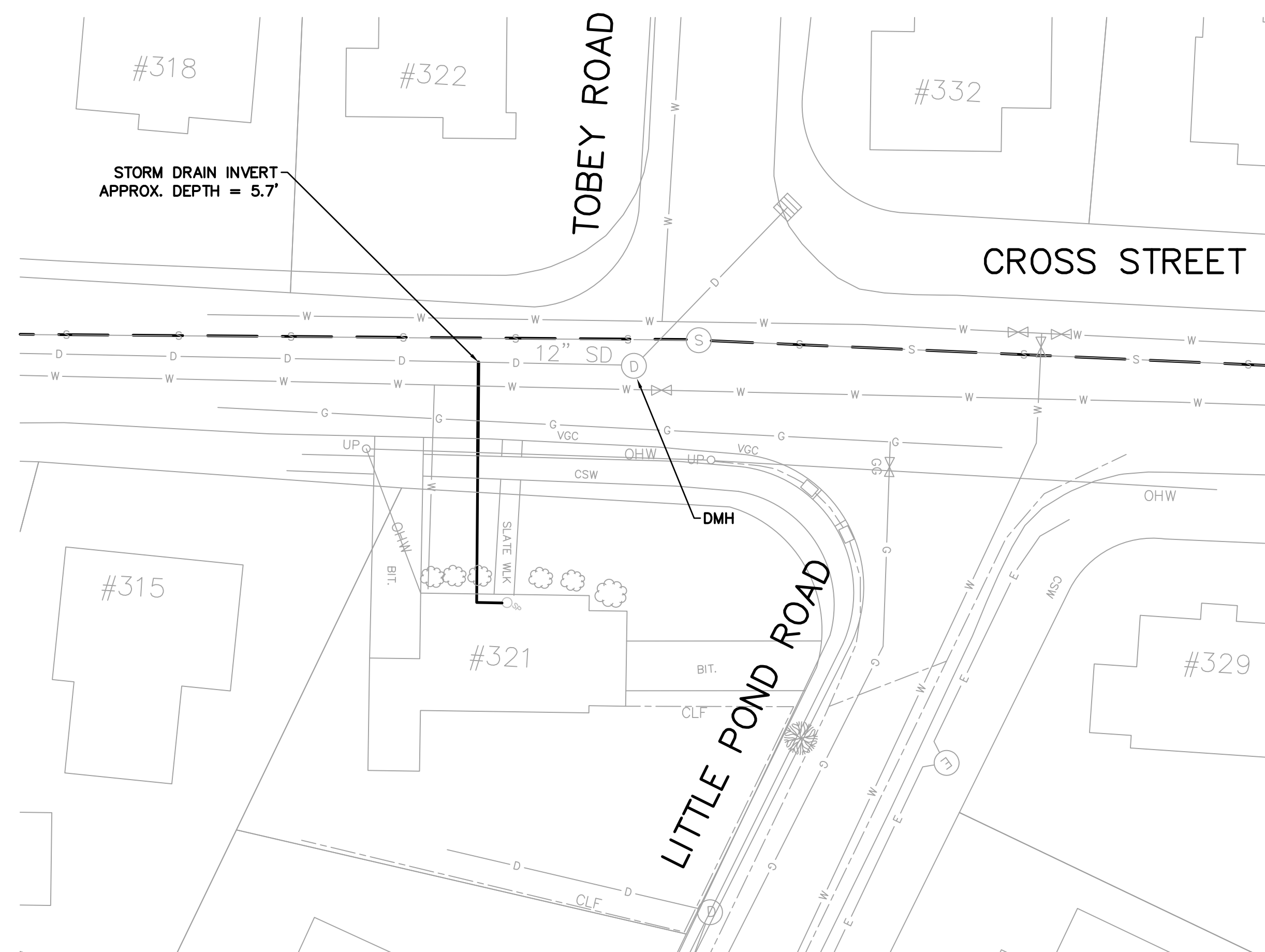
22 of



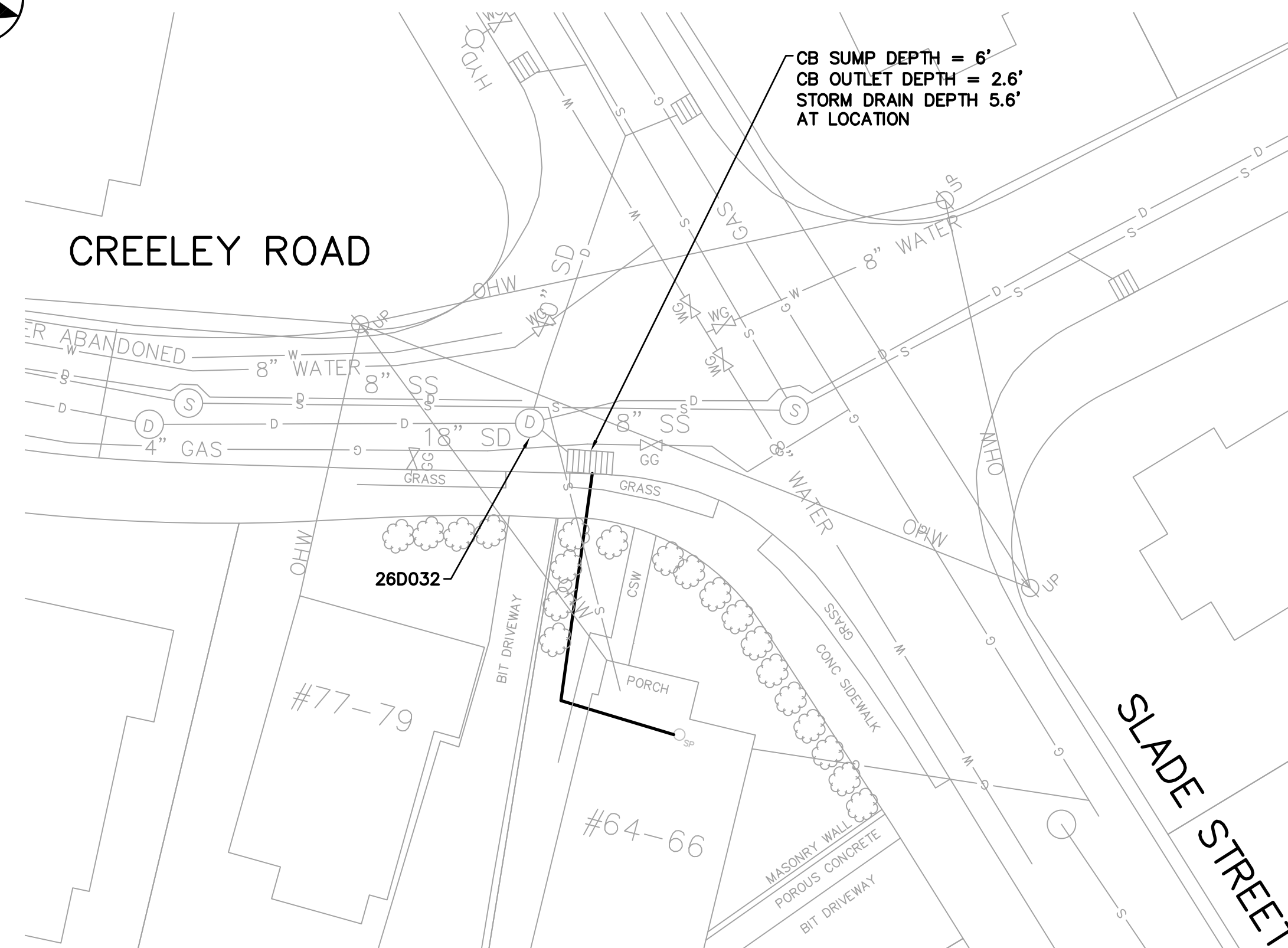
23 of



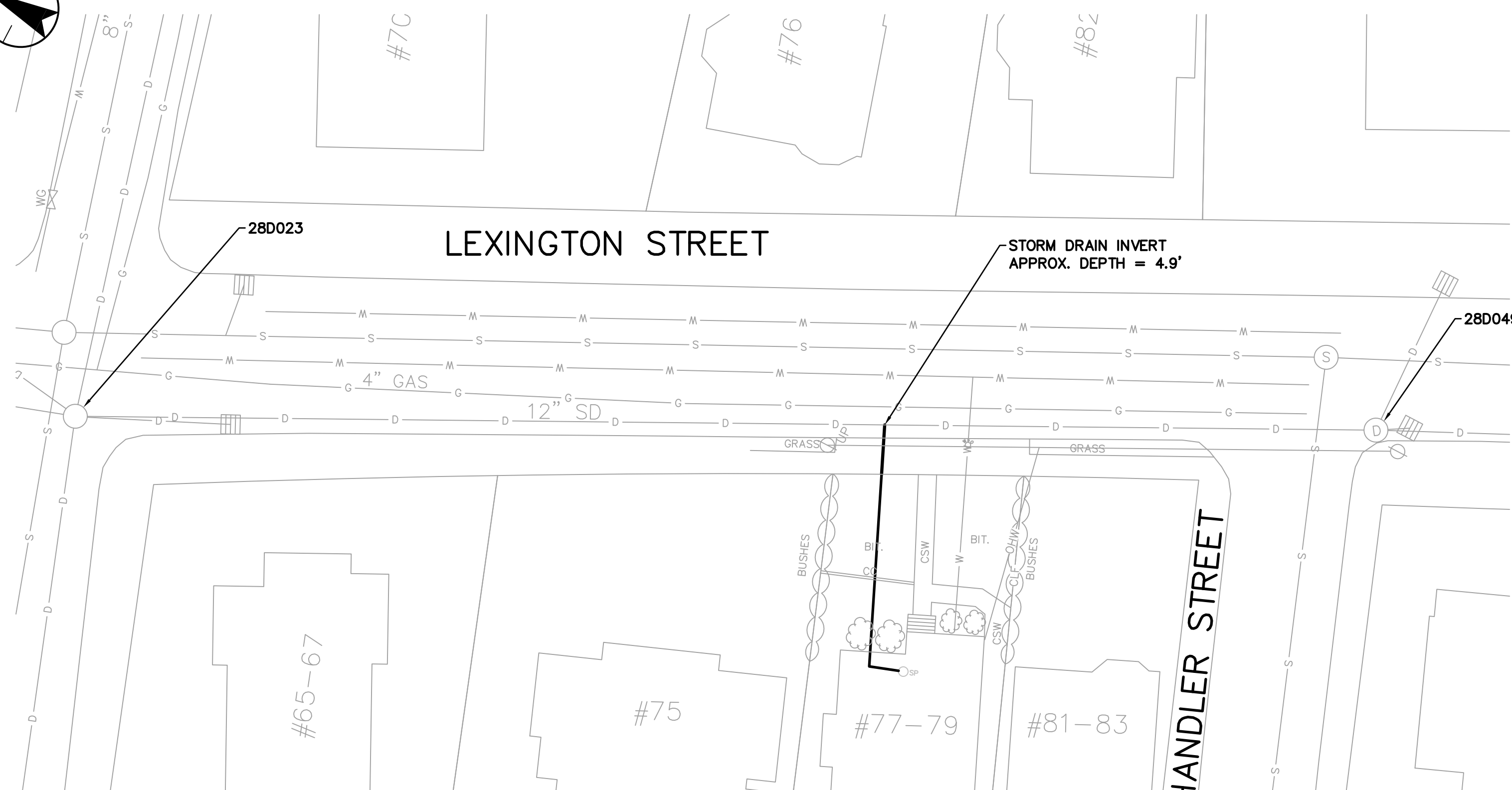
1. SEE SHEET NO. 29/DRAWING NO. C-501 FOR
SUMP PUMP RELOCATION DETAILS AND NOTES



321 CROSS STREET
SITE PLAN
1" = 20'



64-66 SLADE STREET
SITE PLAN
1" = 20'

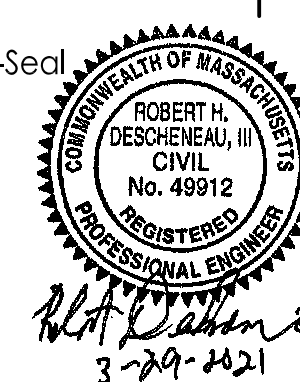


77-79 LEXINGTON STREET
SITE PLAN
1" = 20'

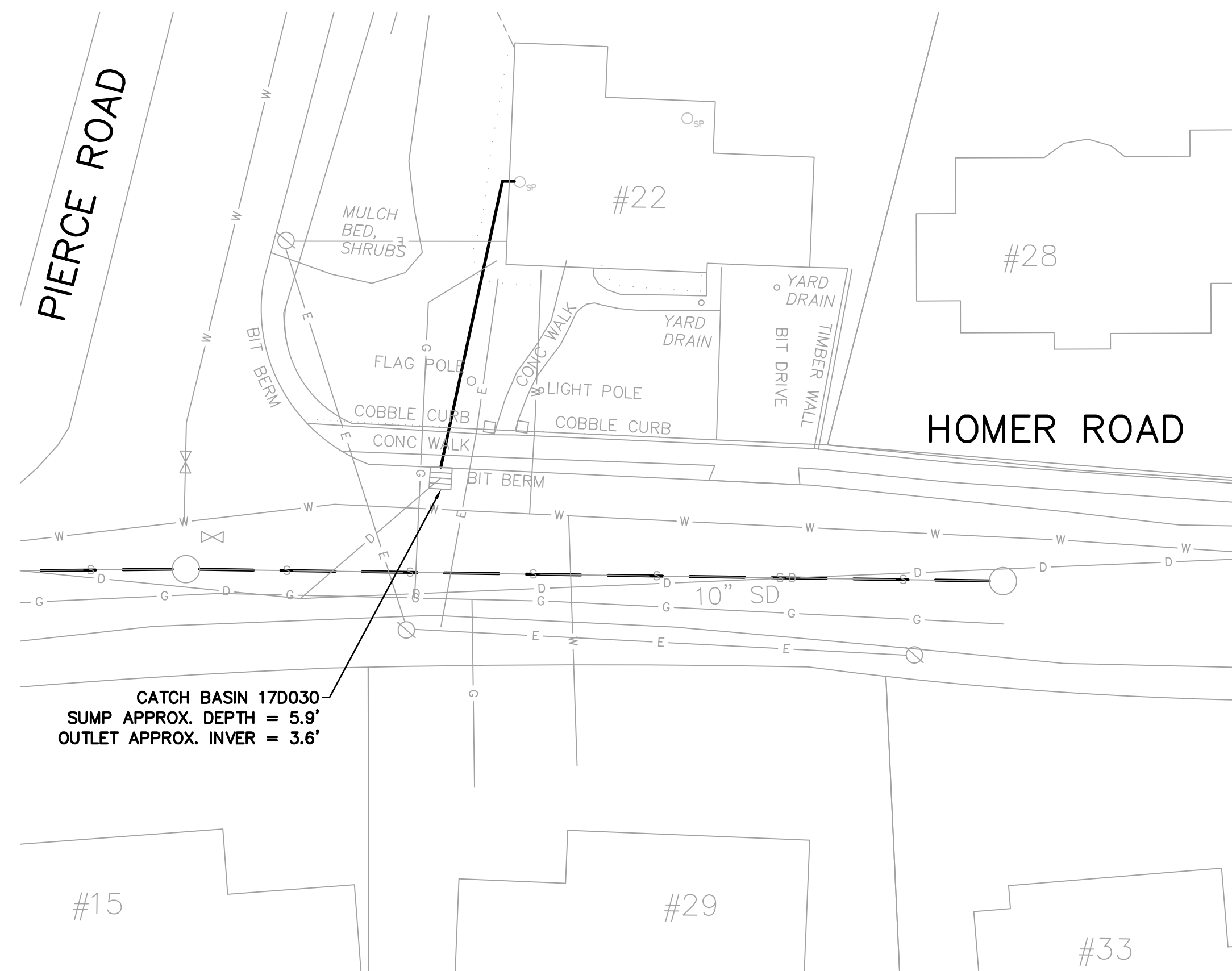
1. SEE SHEET NO. 29/DRAWING NO. C-501 FOR
SUMP PUMP RELOCATION DETAILS AND NOTES.

[illegible]

BELMONT, MASSACHUSETTS
SUMP PUMP - CROSS ST. LEXINGTON ST AND SLADE ST



Revision	Sheet
----------	-------



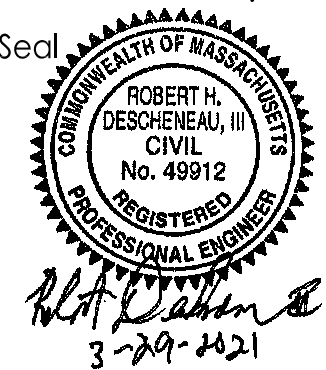
22 HOMER ROAD
SITE PLAN
1" = 20'



1. SEE SHEET NO. 29/DRAWING NO. C-501 FOR
SUMP PUMP RELOCATION DETAILS AND NOTES.

[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS
SUMP PUMP - WAYERLEY ST. HOWER RD AND COMMON

Permit-Seal 

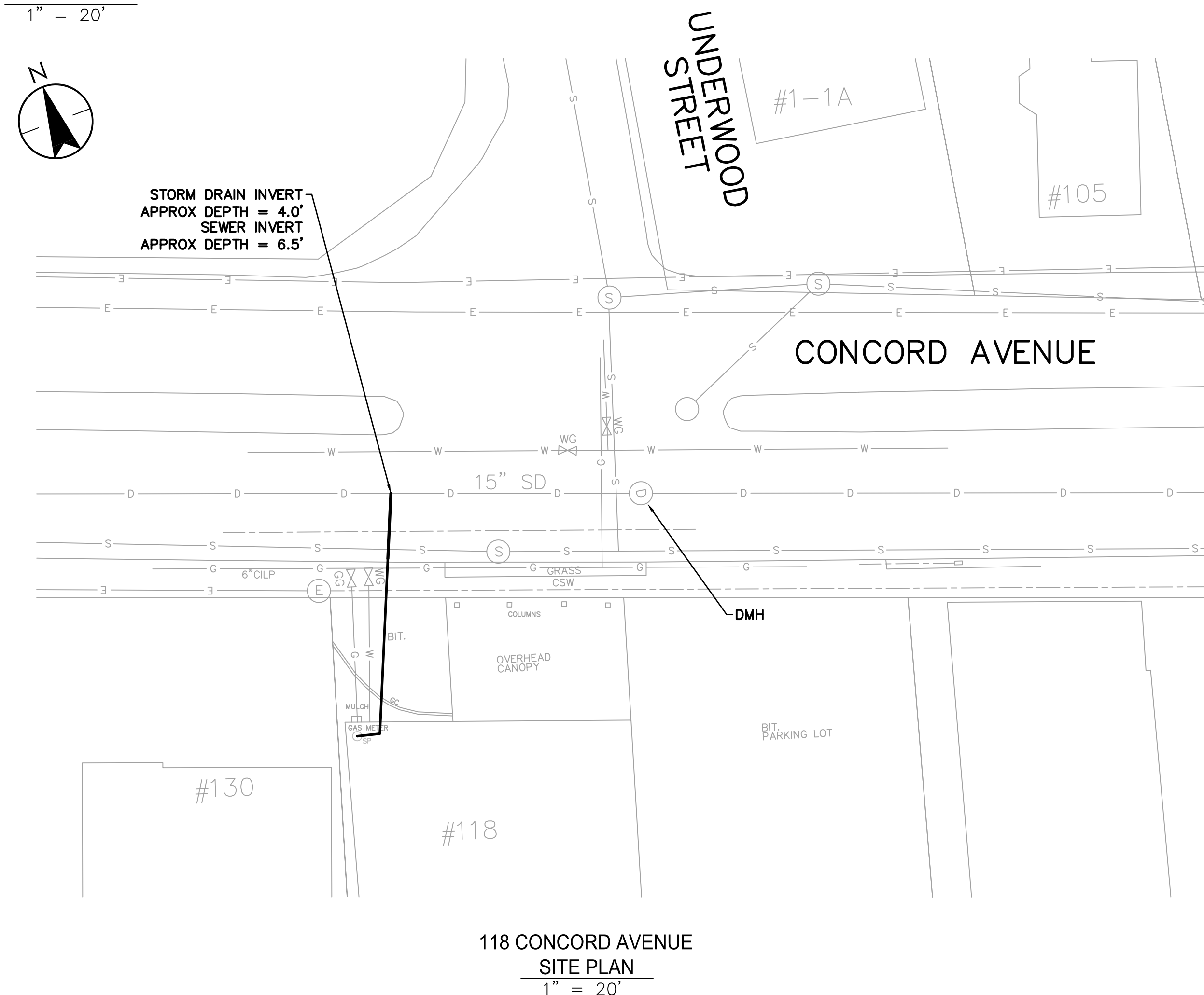
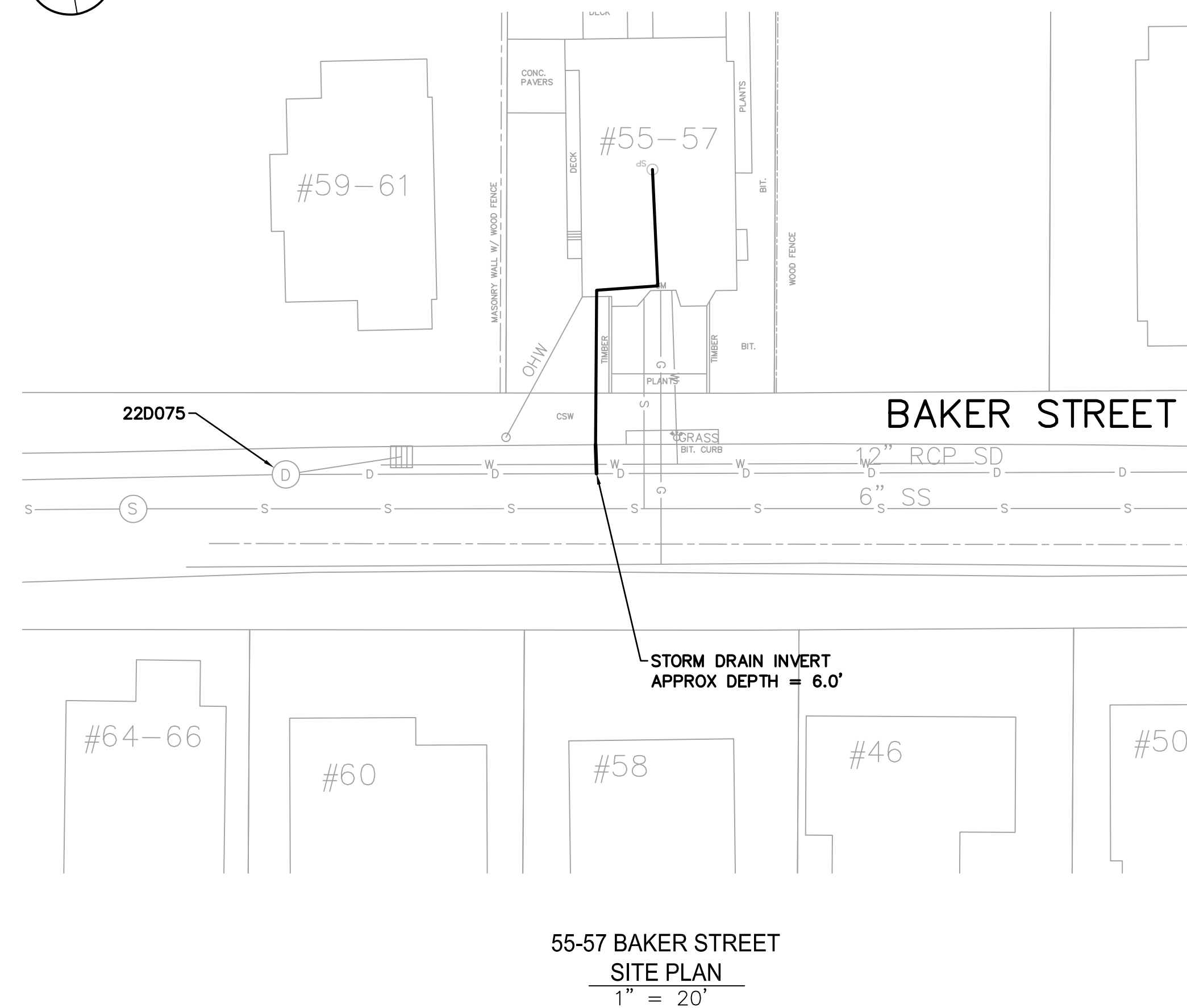
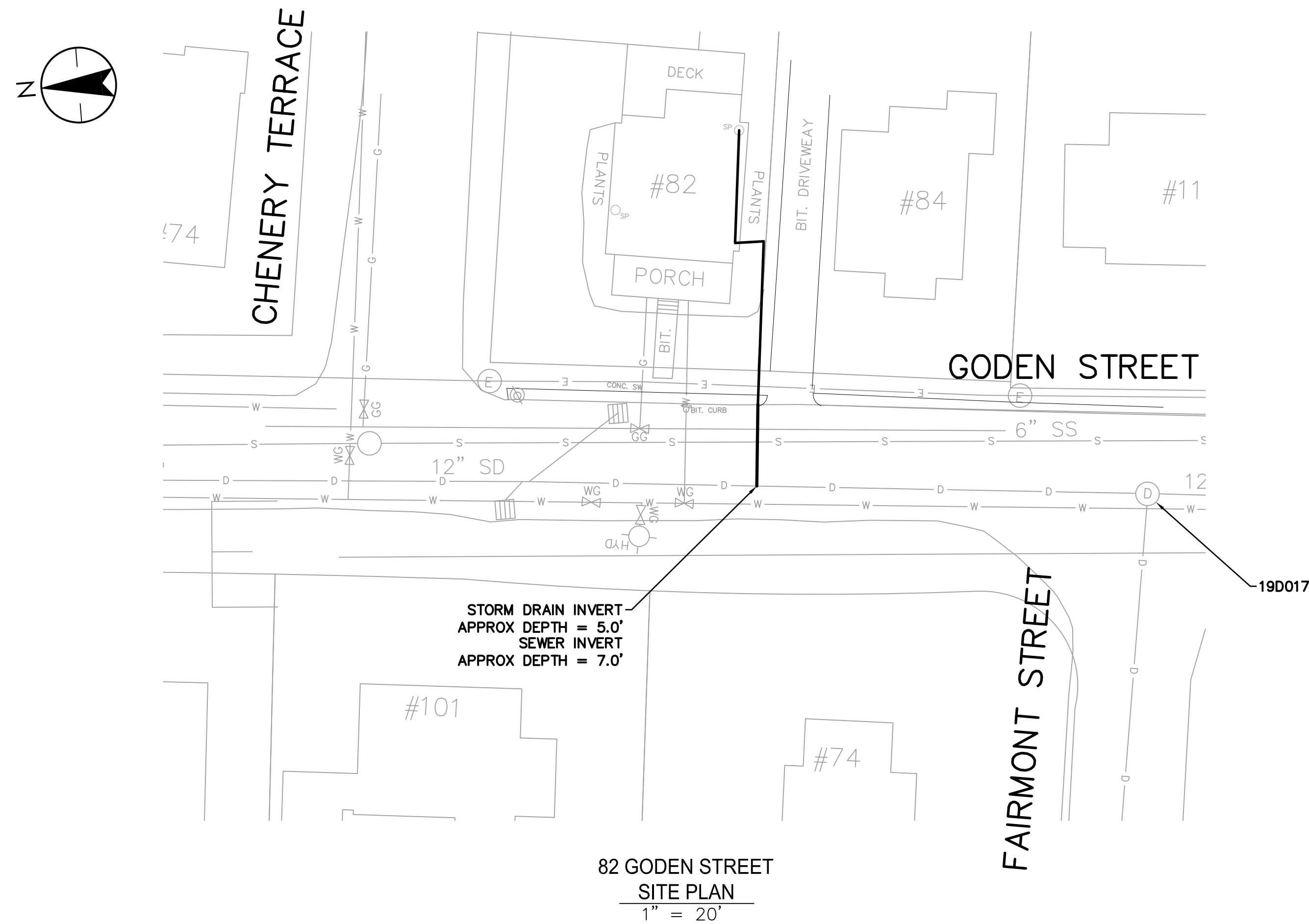
Project Number: 195113362

File Name:

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

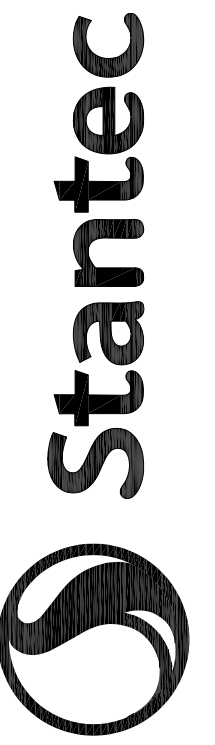
DWG.	CHG.	DATE	REVISION
Drawing No.	C-122		

Revision	Sheet
----------	-------



NOTES:

1. SEE SHEET NO. 29/DRAWING NO. C-501 FOR
SUMP PUMP RELOCATION DETAILS AND NOTES.

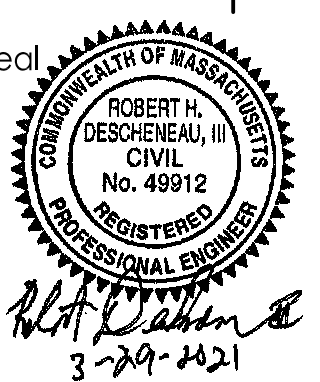


Street Address
City, Prov/State Country Code/Zip
www.stantec.com

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MMWRA PROJECT NO. WRA-P-11-04-3-1124 &
MMWRA PROJECT NO. WRA-P-11-04-3-1160
BELMONT, MASSACHUSETTS

Permit-Seal 

Project Number: 195113362

File Name:

AMD	RHD	RPB	21.03.31
Dwn.	Chkd.	Dsgn.	YY.MM.DD

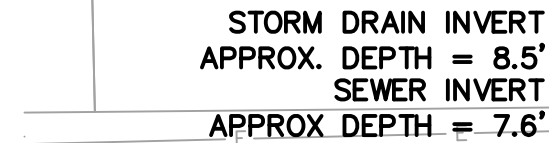
Dwn.	Chkd.	Dsgn.	Flt. Mtr.
Drawing No.		C-124	

Revision Sheet

0

28 of

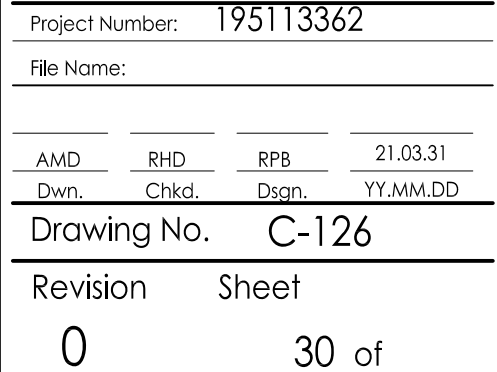
MUNROE STREET



LIVERMORE ROAD

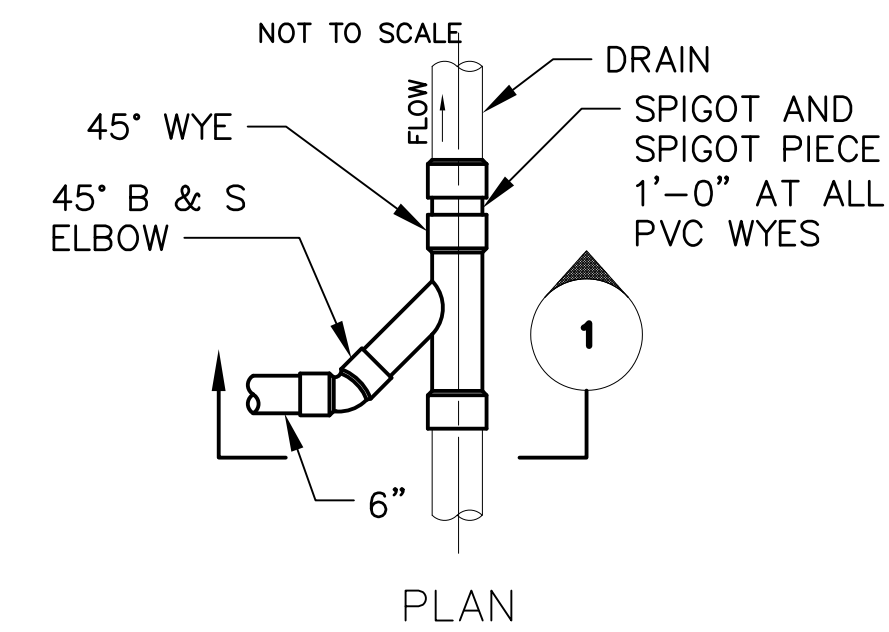
1. SEE SHEET NO. 29/DRAWING NO. C-501 FOR
SUMP PUMP RELOCATION DETAILS AND NOTES.

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MWRA PROJECT NO. WRA-P11-04-3-1124 &
MWRA PROJECT NO. WRA-P11-04-3-1160
BELMONT, MASSACHUSETTS
SUMP PUMP - ANIS RD, CLAFIN ST AND HARTLEY RD



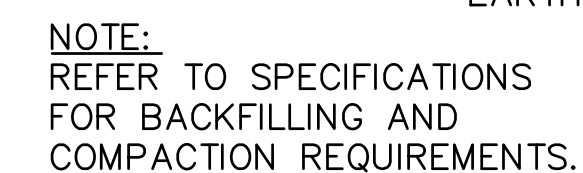
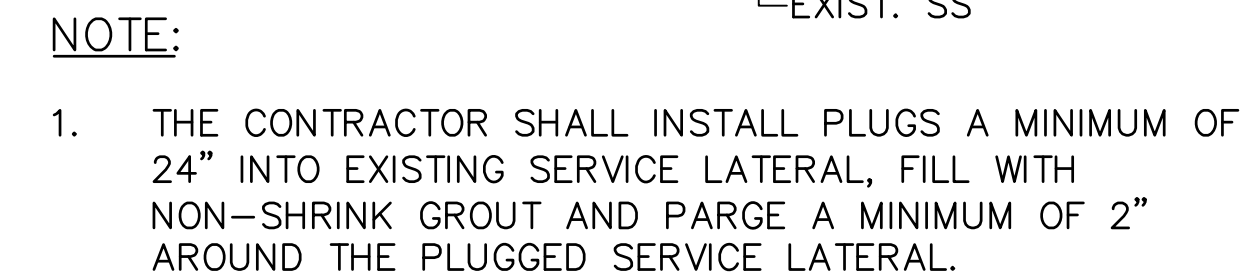


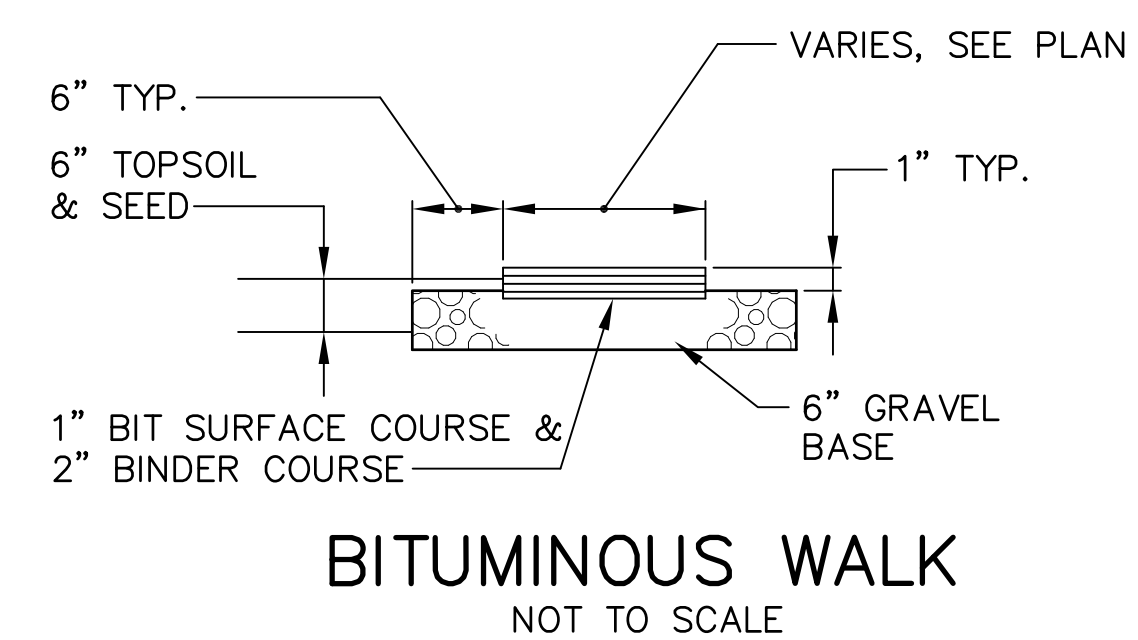
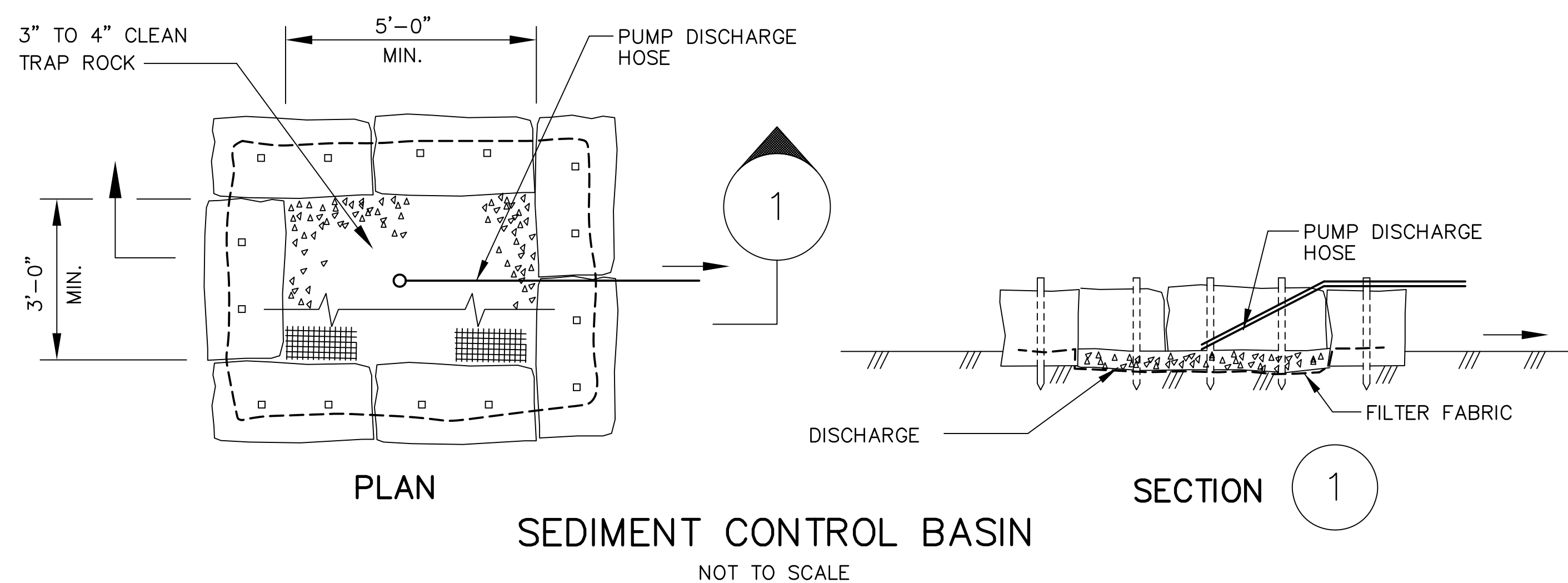
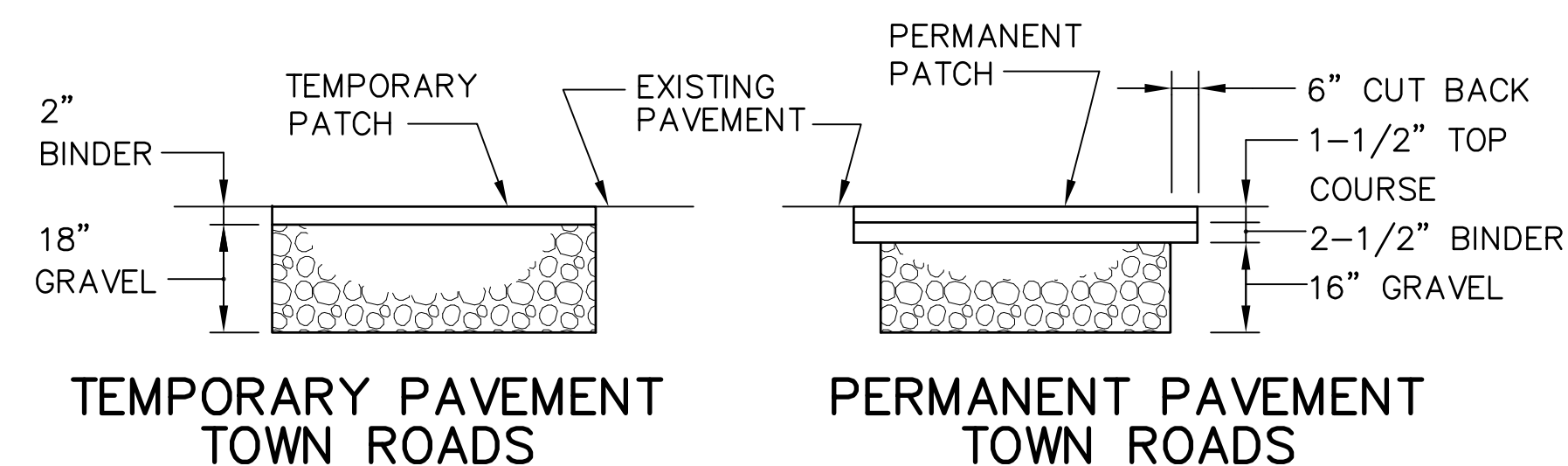
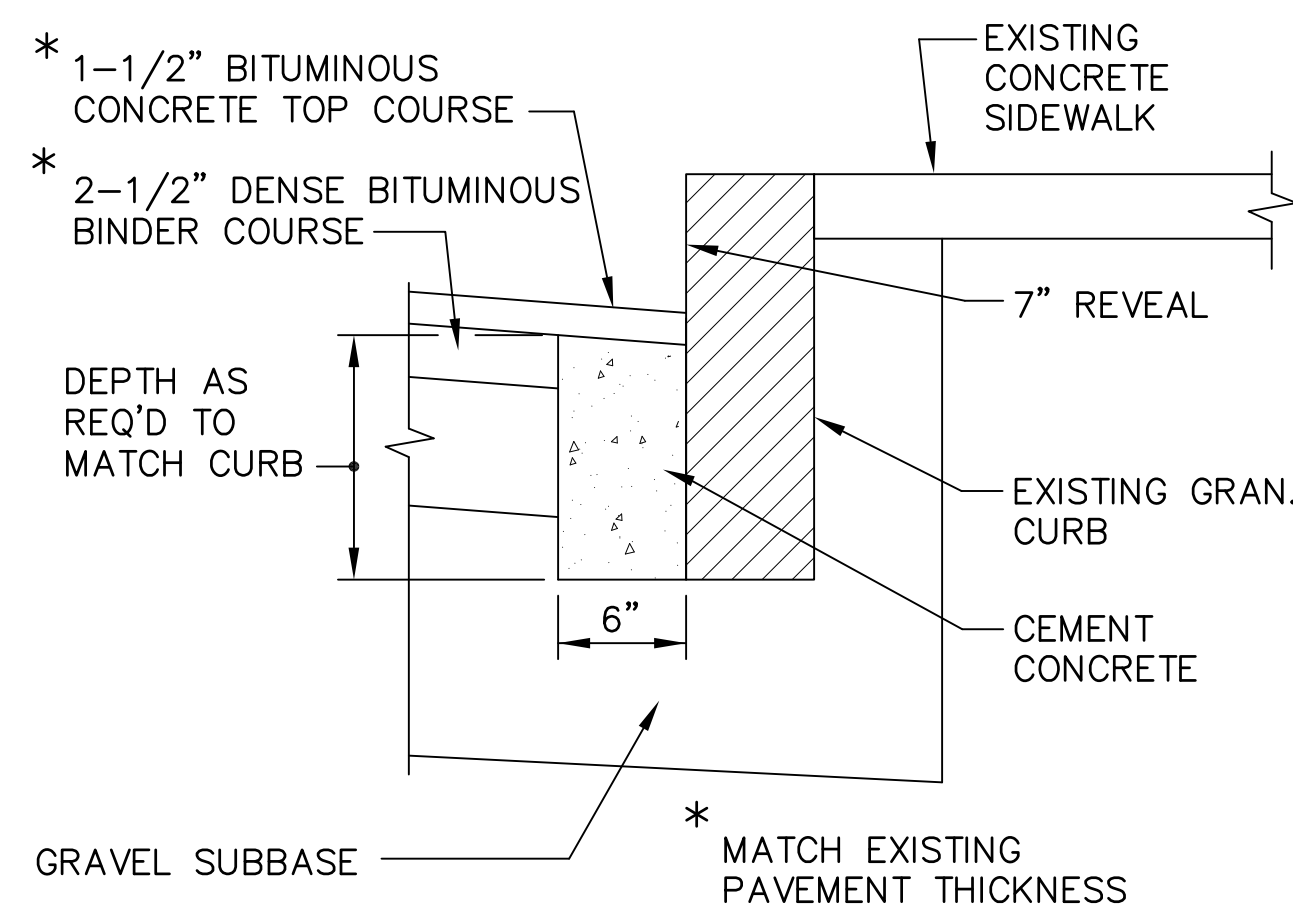
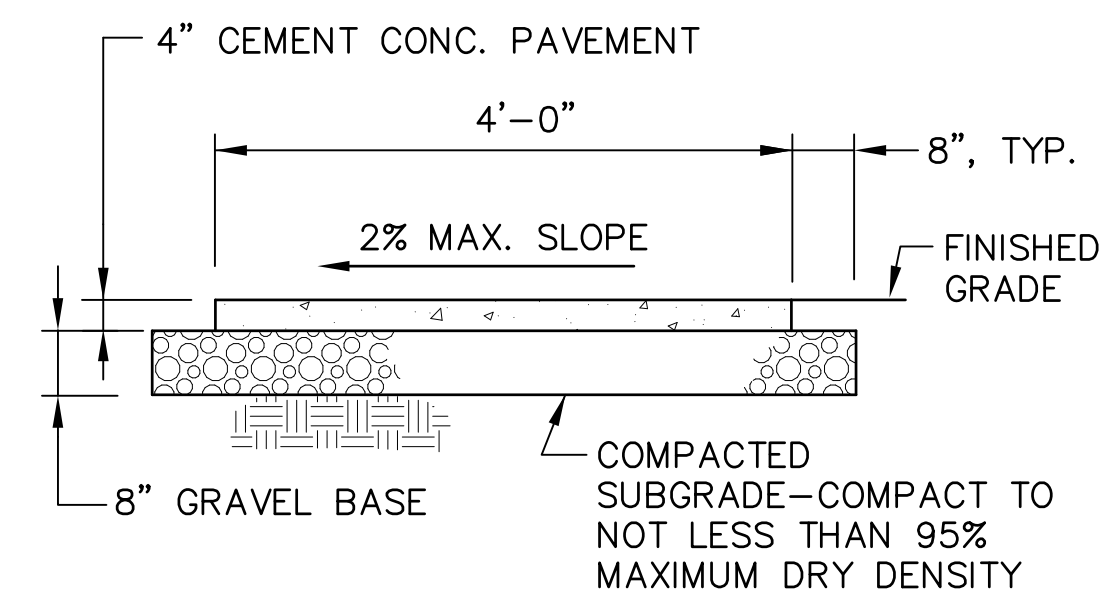
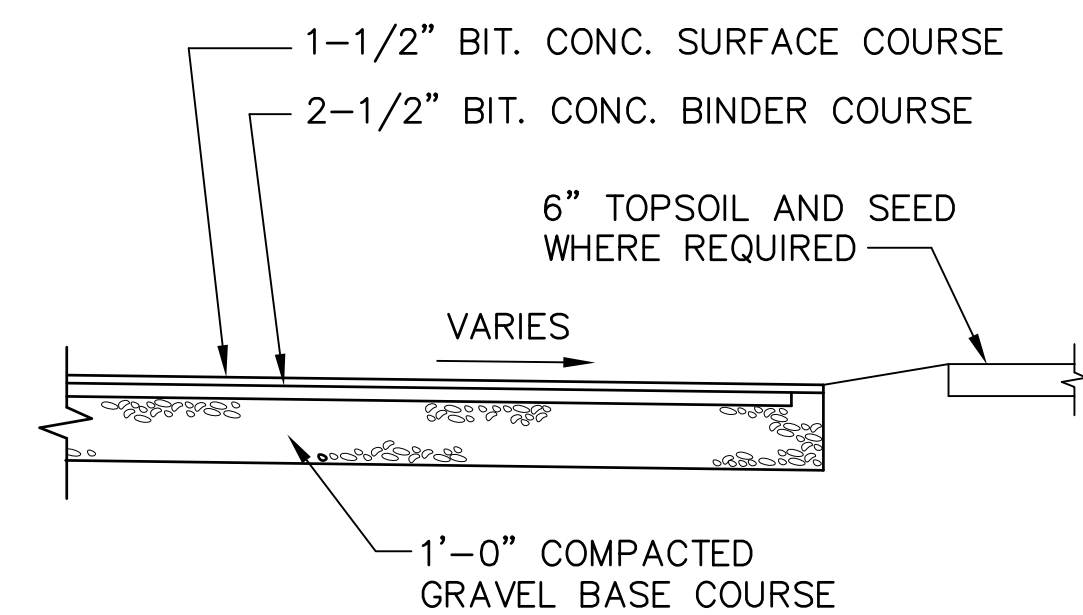
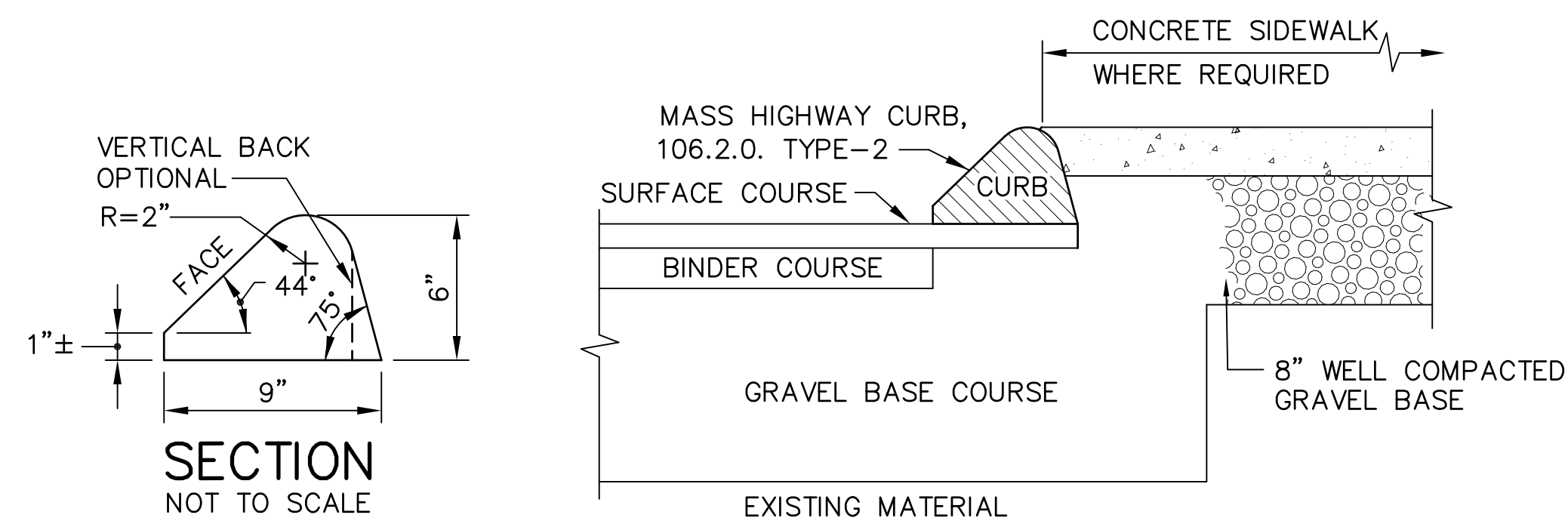
NOT TO SCALE



NOT TO SCALE

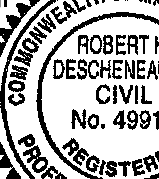
0 51 81



[illegible]

TOWN OF BELMONT, MASSACHUSETTS
PRIVATE SECTOR SUMP PUMP REMOVAL &
SEWER SYSTEM REHABILITATION
MMWRA PROJECT NO. WRA-P11-04-3-1124 &
MMWRA PROJECT NO. WRA-P11-04-3-1160
BELMONT, MASSACHUSETTS
MISCELLANEOUS DETAILS 2 OF 2

Permit-Seal



Robert H. Descheneau III
3-29-2021

Project Number: 195113362			
File Name: C-501-C-503 DETAILS.DWG			
AMD	RHD	RPB	21.03.31
Dwn	Chkd.	Dsgn.	YY.MM.DD
Revision No. C-503			
Revision Sheet			

Attachment 2

MassDEP Correspondence with Town of Belmont

Notice of Non-Compliance



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Northeast Regional Office • 205B Lowell Street, Wilmington MA 01887 • 978-694-3200

Charles D. Baker
Governor

Karyn E. Polito
Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

December 2, 2021

Mr. Jason Marcotte, MPA
Director of Public Works
Town of Belmont
19 Moore Street, 1st Floor
Belmont, MA 02478

Re: **NOTICE OF NONCOMPLIANCE**
Enforcement Document Number: 00012454
Noncompliance with 314 CMR 12.03(8)

At: 148-150 Oakley Road
Belmont, MA 02748

Issuing Bureau: BWR
Issuing Region/Office: NERO
Issuing Program: WPC

Dear Mr. Marcotte:

The Massachusetts Department of Environmental Protection Northeast Regional Office (MassDEP) was made aware of an unanticipated sanitary sewer overflow (SSO) that occurred on May 1, 2021 in the Town of Belmont's sewer system at 148-150 Oakley Road. The notification procedure following the event is in noncompliance with one or more laws, regulations, orders, licenses, permits, or approvals enforced by MassDEP.

Enclosed please find a Notice of Noncompliance, an important legal document describing the activities that are in noncompliance. The document includes a written description of (1) the requirements violated, (2) the actions MassDEP now wants you to take, and (3) the deadline for taking such actions.

If you have any questions regarding this matter, please contact James Barsanti of my staff at (978) 694-3253 or via email at james.barsanti@mass.gov.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rachel Freed". The script is cursive and fluid.

Rachel Freed
Deputy Regional Director
Bureau of Water Resources

Cc: Kevin Brander, MassDEP
James Barsanti, MassDEP
Doug Koopman, EPA
Glenn Clancy, Town of Belmont

NOTICE OF NONCOMPLIANCE

THIS IS AN IMPORTANT NOTICE. FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

Based on the Massachusetts Department of Environmental Protection (MassDEP) records, noncompliance occurred at the Town of Belmont's sewer system on May 1, 2021, in violation of one or more laws, regulations, orders, licenses, permits or approvals enforced by MassDEP.

This Notice of Noncompliance describes (1) the requirement violated, (2) the date and place on which MassDEP asserts the requirement was violated, (3) either the specific actions which must be taken in order to return to compliance or direction to submit a written proposal describing how and when you plan to return to compliance, and (4) the deadline for taking such actions or submitting such a proposal.

If the required actions are not completed by the deadlines specified below, an administrative penalty may be assessed for every day after the date of receipt of this Notice that the noncompliance occurs or continues. MassDEP reserves its rights to exercise the full extent of its legal authority in order to obtain full compliance with all applicable requirements, including, but not limited to, criminal prosecution, civil action including court-imposed civil penalties, or administrative action, including administrative penalties imposed by MassDEP.

NAME OF ENTITY(S) IN NONCOMPLIANCE:

Town of Belmont, (hereinafter referred to as the "Municipality")

LOCATION(S) WHERE NONCOMPLIANCE OCCURRED OR WAS OBSERVED:

148-150 Oakley Road
Sanitary Sewer Overflow
Belmont, MA 02428

DATE(S) WHEN NONCOMPLIANCE OCCURRED OR WAS OBSERVED:

May 1, 2021

DESCRIPTION OF NONCOMPLIANCE:

The MassDEP Wastewater Management Program records indicate that your Municipality is in violation of 314 CMR 12.03 (8) which states:

(8) Persons owning or operating a sewer system shall report bypasses and/or overflows as follows:

- a) In the event of an anticipated bypass or sanitary sewer overflow, the owner or operator shall provide notification to the Department on a form approved by the Department, at least ten days prior to the event, if possible.*
- b) In the event of an unanticipated bypass or sanitary sewer overflow, as soon as the owner or operator has knowledge of the bypass or sanitary sewer overflow but in no event later than 24 hours after its first occurrence, the owner or operator shall provide notification to the Department, on a form approved by the Department, of such an event.*
- c) Within five days of either 314 CMR 12.03(8)(a) or (b), the owner or operator shall provide the following information to the Department, on a form approved by the Department: All the activities that led up to the event; steps taken to minimize the impact of the event on public health, safety and the environmental; and, steps taken to prevent such an event from happening in the future.*

No notice was provided to MassDEP within 24 hours after the unanticipated SSO event and an SSO form was not provided within five days of the event.

CORRECTIVE ACTIONS TO TAKE AND THE DEADLINE FOR TAKING SUCH ACTIONS:

On or before date January 7, 2022, Respondent shall take the following actions:

1. Submit a Sanitary Sewer Overflow Response Plan to MassDEP for review and approval which includes standard operating procedures for proper notification for any anticipated/unanticipated Sanitary Sewer Overflow (SSO). This procedure should be included in the Town of Belmont's sewer system operation and maintenance manual, and must include provisions, per 314 CMR 12.03(8) for timely notification to MassDEP. The Notification procedures should also extend to any affected resource managers (e.g., public water suppliers) where such resources are potentially affected. Include with the submittal the current Department of Public Works' organizational chart with position titles, contact phone numbers and email addresses, and SSO reporting duties.

Responses required for the above action items shall be sent to:

James Barsanti, P.E.
Environmental Engineer III
Department of Environmental Protection
205B Lowell Street, Wilmington, MA 01887
james.barsanti@mass.gov

IMPORTANT INFORMATION

A civil administrative penalty may be assessed for every day that you are in noncompliance with the requirements referred to in this notice as provided in G.L. c. 21A, § 16.

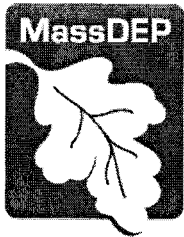
Notwithstanding this Notice of Noncompliance, the Department reserves the right to exercise the full extent of its legal authority in order to achieve full compliance with all applicable requirements including, but not limited to, criminal prosecution, court-imposed civil penalties, or civil administrative penalties.

Issuance/date mailed: December 2, 2021



Rachel Freed
Deputy Regional Director
Bureau of Water Resources

Certified Mail No. 7020 1290 0002 2671 8568



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Northeast Regional Office • 205B Lowell Street, Wilmington MA 01887 • 978-694-3200

Charles D. Baker
Governor

Kathleen A. Theoharides
Secretary

Karyn E. Polito
Lieutenant Governor

Martin Suuberg
Commissioner

Mr. Jason Marcotte, MPA
Director of Public Works
Town of Belmont
19 Moore Street, 1st Floor
Belmont, MA 02478

January 4, 2022

Re: **NOTICE OF NONCOMPLIANCE**
Enforcement Document Number: 00012454
Noncompliance with 314 CMR 12.03(8)
Review of Sanitary Sewer Overflow Response Plan and SSO Flow Chart

Dear Mr. Marcotte:

Pursuant to the above referenced Notice of Noncompliance (NON), the Northeast Regional Office of the Massachusetts Department of Environmental Protection (MassDEP) has received and reviewed your submission of the Town of Belmont's Sanitary Sewer Overflow (SSO) Response Instructions and SSO Flow Chart on December 7, 2021 via electronic mail. MassDEP has reviewed these documents and offers the following comments:

1. The SSO Response Instructions and Flow Chart should include the current date of the document and to allow for future revising and updating with a new date as necessary. Provide page numbers for the SSO Response Plan.
2. As noted in the NON, the SSO Response Plan must include the current Department of Public Works' organizational chart with position titles, contact phone numbers, and email addresses.
3. The SSO Response Plan should include a table with important emergency contact names, phone numbers and email addresses for the Board of Health, Community Development, Police/Fire, neighboring communities (if applicable), specialty or on-call contractors, pump and equipment supply and service providers, pumper/vactor truck services, utilities

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.
TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

contacts such as power, communications, Dig-Safe, etc., and any other contact information deemed relevant by the DPW.

4. Provide the public notification procedures and contacts that the DPW or Town utilizes for SSO events.
5. Provide a summary of the MassDEP reporting procedures, i.e., notification of MassDEP within 24 hours of the SSO event and submission of the DEP notification form within five days of the event. Insert the hyperlink to the DEP's Sanitary Sewer Overflow/Bypass Notification webpage:

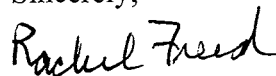
<https://www.mass.gov/how-to/sanitary-sewer-overflowbypassbackup-notification>

and include hard copies of the instructions and notification form as an Appendix in the SSO Response Plan.

6. The Standard Operating Procedures should include the specific procedures and materials that will be utilized to clean and disinfect areas impacted by an SSO. This includes the procedures and methods to address SSO effluent that reaches a catch basin and/or a wetlands or surface water resource area. Where backups into properties occur, it may be useful to consider MassDEP's Guidance on Flooding and Sewage Backups, and to make this available to property owners.
7. MassDEP notes that the Act Promoting Awareness of Sewage in Public Waters was enacted on January 12, 2021. Pursuant to that law, MassDEP will be promulgating regulations on January 7, 2022 with further requirements for reporting of some Sanitary Sewer Overflows which will impact the Town's SSO Response Plan. Those regulations will require the Town to submit an SSO Notification Plan on or before July 6, 2022. The Town's SSO Response Plan must be amended at that time to incorporate the requirements of the Act and subsequent regulations.

Please incorporate these review comments and resubmit the SSO Response Plan to MassDEP by January 31, 2022. If you have any questions regarding this matter, please contact James Barsanti of my staff at (978) 694-3253 or via email at james.barsanti@mass.gov.

Sincerely,



Rachel Freed
Deputy Regional Director
Bureau of Water Resources - NERO

cc: Kevin Brander & James Barsanti, MassDEP
Douglas Koopman, EPA
Glenn Clancy, Town of Belmont

Attachment 3

Sanitary Sewer Response Instructions

January 31, 2022

January 31, 2022

TOWN OF BELMONT

SANITARY SEWER OVERFLOW RESPONSE INSTRUCTIONS

STANDARD OPERATING PROCEDURES

Service Request Response Procedures

The enclosed flow chart depicts an overview of the process taken when crews are notified and actions are to be taken. The actual steps in the procedures are described in detail below:

The Belmont Department of Public Works Sewer Maintenance Crew provides 24-hour emergency services to investigate complaints from citizens. For emergencies during business hours, 8 am to 4 pm Monday thru Friday, the number is 1-617-993-2680. During all other hours the number to call is 911. Personnel are available each day of the year to receive and act on any calls related to problems in the sewer system including overflows. During business hours, emergency calls are received by the Department of Public Works' Operator. The Operator will dispatch the nearest Sewer Maintenance crew to the problem site. For after-hour emergencies, the Belmont E-911 Communications Center will call the Sewer Maintenance on-call employee. The employee who receives the emergency call will investigate the complaint and take appropriate action, including immediate dispatch of a standby crew with necessary equipment to take care of the problem or refer the call to other agencies if the problem is found not to be in our jurisdiction.

Sanitary Sewer Overflow Procedures

The following information provides the order of operations for crew response procedures relating to Sanitary Sewer Overflows (SSO):

1. Verify that the facility is one that the Department of Public Works has the responsibility to maintain. Notify the responsible maintenance agency if it is not our facility.
2. Assume that the overflow contains hazardous materials, particularly if it occurs in an industrial area. Crews shall stay upwind of any potential air contamination or fumes until it is determined to be safe to approach the origin of the SSO. If hazardous materials are suspected, crews are to notify the Belmont Fire Department so that a Hazmat investigation can be made immediately.
3. The crew responding to an overflow is required to set up containment, stop the overflow, and ensure that the facility or area is cleaned up and returned to normal operation. The crew shall also document the overflow with photographs of the point of overflow, property damage, traffic control, containment method, and point of entry to storm drain system. At this time, crews identify the probable cause of the overflow (i.e. grease, roots, rocks, etc.) and then remedial actions are taken to ensure the mainline is down and running normal. The complainant of the overflow is informed of the cause of the problem. Clean-up procedures and protocols are exercised in accordance to the MassDEP's Guidance on Flooding and Sewage Backups and will be made available to the public.

4. The crew must estimate the amount and duration of the SSO.
5. For overflows entering the storm water system the crew is required to trace and capture as much of the spill before it reaches waters of the United States.
6. All sanitary sewer overflows must be reported using Massachusetts Department of Environmental Protection no later than 24 hours after discovery. Contact for Belmont is the Northeast Region Number 978 694-3215.

<https://www.mass.gov/how-to/sanitary-sewer-overflowbypassbackup-notification>

7. Within 5 calendar days, a written and complete Sanitary Sewer Overflow (SSO)/Bypass Notification Form needs to be submitted. (copy attached)
8. Notify the Office of Community Development and the Health Department when an SSO enters the stormwater system.

Department of Public Works
Organizational Chart – Highway / Sewer Administration

Jay Marcotte, MPA
Director
617-993-2685 – office
617-821-7934 – cell
jmarcotte@belmont-ma.gov

Michael Santoro
Assistant Director
617-993-2686 – office
617-908-7399 – cell
msantoro@belmont-ma.gov

Richard Bemis
Operations Manager
617-993-2697 – office
617-908-2168 – cell
rbemis@belmont-ma.gov

Scott Troup
Fleet Maintenance Supervisor
617-993-2694 – office
617-308-3846 – cell
stroup@belmont-ma.gov

SSO Response Plan – Additional Emergency Contacts

- 1) Health Department – Wes Chin – Director
617-993-2720
wchin@belmont-ma.gov
- 2) Community Development – Glenn Clancy PE. – Director
617-993-2650
gclancy@belmont-ma.gov
- 3) Belmont Police Department – James MacIsaac – Chief
617-993-2525
jmacisaac@belmont-ma.gov
- 4) Belmont Fire Department – David DeStephano – Chief
617-993-2200
ddstephano@belmont-ma.gov
- 5) Belmont Light Department – Craig Spinelli – General Manager
617-993-2800
cspinelli@belmont-ma.gov
- 6) Dig Safe – Dial 811 for all digs

Following a reportable SSO event, the Town of Belmont will follow the Notification Procedures set forth in:

314 CMR 16.00 Notification Requirements to Promote Public Awareness of Sewage Pollution

Note to Reviewers on Notification for Blending Events and Standards for Public Health Warnings

Notification for Blending Events:

Blending is a practice utilized by permittees receiving flows from combined sewer systems, in which during some wet weather events, a portion of the flow to the wastewater treatment facility is diverted around biological or tertiary treatment, and then recombined with flows from the biological or tertiary treatment units and disinfected prior to discharge, as a measure to reduce discharges from combined sewer overflows (CSOs).

The Act requires permittees to issue public advisories when there is a discharge of untreated or partially treated wastewater. Recognizing that blending reduces discharges from CSOs and that discharges of blended wastewater from many permittees meet numeric permit effluent limits, MassDEP's draft regulations propose to require different and less detailed notifications for releases of blended wastewater, provided that specific conditions, listed below, are met. Permittees would not be required to issue full public advisory notifications, as defined by the regulations, for releases of blended wastewater that satisfy these conditions, but instead would post blended wastewater notifications on their websites when blending occurs.

MassDEP has proposed that notification of a release of blended wastewater is satisfied if a permittee does the following:

1. Includes information in its CSO Public Notification Plan that demonstrates blending events only occur under certain conditions and are predicted to meet NPDES and surface water discharge permit effluent limits based on historic effluent data collected during blending events, and receives MassDEP approval of the Plan (314 CMR 16.06(1)(e)); and
2. Posts notifications on its website of when a blending event has occurred (314 CMR 16.05(1)(f)), when the blending event ends, and a statement that the permittee's blended wastewater is predicted to meet NPDES and Surface Water Discharge permit effluent limits, which are established to protect public health.

MassDEP is interested in public comment and feedback on the provisions in the regulations described above, as well as other potential requirements for information about blending. This could include the following information on the permittee's website:

- a. An explanation of what blending events are and why permittees with combined sewer systems practice blending.
- b. An explanation that NPDES and Surface Water Discharge permits require permittees with combined sewer systems to implement EPA's Nine Minimum Controls for CSOs, which include maximization of flow to the POTW (Publicly

- Owned Treatment Works) for treatment.
- c. An explanation that EPA's 1994 CSO Control Policy acknowledges that maximizing the delivery of flows to the wastewater treatment facility during wet weather events (which can be accomplished through blending) is an effective strategy to reduce pollution from CSO discharges.

Standards for Public Health Warnings

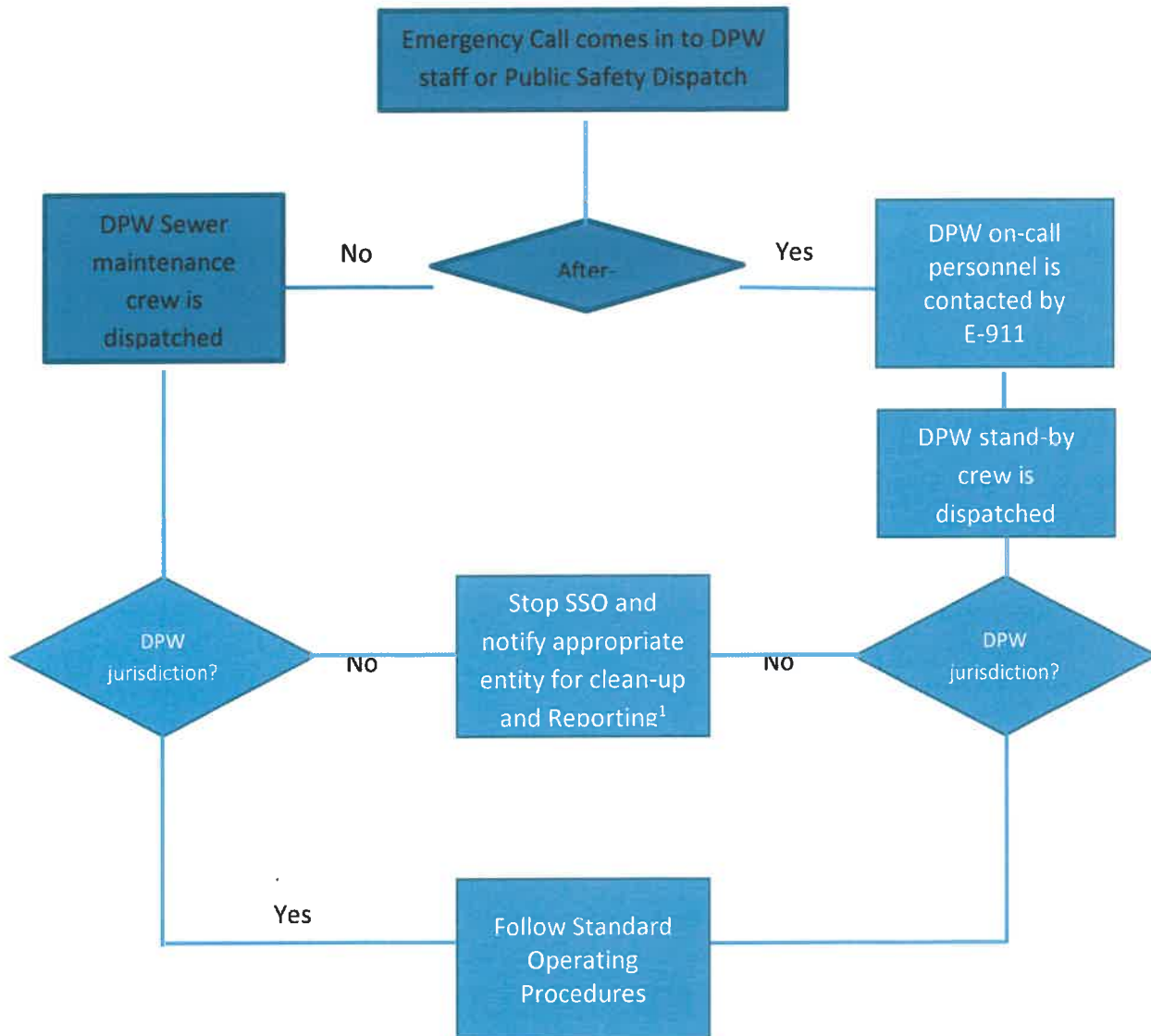
The Act requires MassDEP to consult with the Massachusetts Department of Public Health to establish standards for when municipal boards of health or health departments shall issue public health warnings about discharges to protect public health. MassDEP must determine when these warnings shall be issued. MassDEP has proposed in 314 CMR 16.09(1) to require boards of health or health departments in municipalities directly affected by the discharge to issue a public health warning when a public advisory notification is issued.

In addition to requiring the use of the municipality's existing emergency notification system when warnings are necessary, the regulations require boards of health or health departments to post temporary signage at locations affording access to the waterbody in municipalities directly affected by the discharge. The sign shall read: "WARNING! AVOID CONTACT WITH WATER – MAY CAUSE ILLNESS" and display an infographic showing no fishing, boating, or swimming.

MassDEP is interested in public comment and feedback specifically on the provisions related to Public Health Warnings in 314 CMR 16.09. More specifically, feedback is requested on the provisions concerning:

- a. which events require issuance of a public health warning;
- b. temporary signage during active events;
- c. the content of warning for CSO discharges, and other discharges (such as pump station failure);
- d. methods for effectively conveying the warning for people most at risk; and
- e. the practical ability of Boards of Health to effectuate the public health warning and temporary signage requirements.

Town of Belmont
SSO Reporting Procedures Flow Chart



¹ An SSO can cause significant environmental damage. DPW should make every effort to contain and stop the overflow before notifying the appropriate jurisdiction

Sanitary Sewer Overflow (SSO)/Bypass Procedures & Notification Form

Who must notify DEP about an overflow or bypass, and when?

Any owner or operator of the following facilities:

- Municipal, state, federal, regional, industrial or other private wastewater collection system;
- Wastewater utility;
- Wastewater treatment works;
- Facility with a groundwater discharge permit;
- Facility with a surface water discharge permit.

This requirement includes any owner or operator of a satellite municipal collection system or other collection system that is part of a larger POTW not under the same ownership and control.

The following situations require notification to DEP and submittal of the SSO Report Form:

- An un-permitted overflow or bypass;
- Backup of wastewater into public or private property when the event is caused by a condition of the system owned and operated by the sewer authority
- In a combined sewer system, an overflow or bypass during dry weather conditions or at a location not covered by a NPDES permit, or from a portion of the system that has a separate sanitary sewer.

Backups of wastewater into a property which are not caused by conditions in the system owned and operated by the sewer system are not required to be reported. These incidents normally occur due to blockages in service connections to a property or blockages in the internal plumbing system.

What are the procedures for reporting?

Step One:

Immediate Telephone and/or email notification to MassDEP, EPA, and other parties:

Notification to MassDEP and other regulatory authorities is a critical element of the SSO response plan. Notification must be made as soon as possible, and no later than 24 hours after discovery of the event. The agency notifications should include all responsible officials whose duties include management of resources which may be affected by the SSO discharge. A list of agencies, contact staff, phone numbers, and emails should be kept by the Sewer Authority and posted for easy access to responsible staff. A list of some relevant agencies follows:

Agency:	Contact	Requirements
---------	---------	--------------

MassDEP	<p>During business hours:</p> <p>Northeast Region: (978) 694-3215</p> <p>Central Region: (508) 792-7650</p> <p>Southeast Region: (508) 946-2750</p> <p>Western Region: (413) 784-1100</p> <p>24-hour Emergency Line: 1-888-304-1133</p> <p>If you are not sure which Massachusetts DEP Regional Office oversees your facility, go to https://www.mass.gov/service-details/massdep-regional-offices-by-community.</p>	<p>Report all SSO events to relevant regional office</p> <p>Report SSO's to emergency line during non-business hours</p>
EPA	<p>EPA New England: (617) 918-1510</p> <p>OR</p> <p>Southeast Region: David Turin, (617) 918-1598</p>	<p>Report all SSO events</p>

	Northeast, Central and Western Regions: Douglas Koopman, (617) 918-1747	
Local Board of Health	List of local BOH contact information available at https://mhoa.com/municipal-links/	Report all SSO events to local BOH(s) where impacts may occur
Department of Conservation and Recreation	State House Ranger Base 617-722-1188	Where DCR beaches or parks affected
MA Division of Marine Fisheries	Boston/Northeast: 617-727-3336 x 165 Southeast: 508-563-1779 x 122	Where shellfish resources may be affected
Drinking Water Resource Managers	List of Drinking Water Supply contacts available at https://www.mass.gov/media/831461/download	Where Drinking Water Resources may be affected

Hazardous Material Releases: If you believe an overflow, bypass, or any other discharge may have resulted in an oil or hazardous material release, report it to DEP at any time, 24 hours a day, at this toll free number: 1-888-304-1133.

MassDEP may require, on a case-by-case basis, more extensive reporting of the SSO event where determined necessary to protect users of resources affected by SSO discharges.

Step Two:

Submit a written report to DEP within five (5) calendar days of the time you become aware of the overflow, bypass or backup. DEP requires the use of the MassDEP Sanitary Sewer Overflow (SSO)/Bypass notification form, unless an alternative reporting form is authorized by MassDEP in writing.

The Notification form should be fully completed, and shall include a clear description of the overflow, or bypass and its causes, including the best approximation of the dates and times, and if the situation has not been corrected, the amount of time the overflow/bypass is expected to continue, and a description of the measures to be implemented to stop the discharge. The Form or attachments must also include steps taken or planned to reduce, eliminate, and prevent recurrence.

If you have a discharge permit, check the Monitoring and Reporting Section of your permit to determine if your *Notification Form* should be sent to the attention of DEP's regional Bureau of Waste Prevention (industrial facilities) or the regional Bureau of Water Resources (nonindustrial facilities). All municipal facilities shall submit their reports to the Bureau of Water Resources.

Fax the *Notification Form* to the attention of the Bureau of Water Resources in your DEP regional office and to the appropriate EPA personnel depending on your DEP region:

- Massachusetts Department of Environmental Protection, Northeast Regional Office, 205B Lowell Street, Wilmington, MA 01887. Fax: 978-694-3499.
- Massachusetts Department of Environmental Protection, Central Regional Office, 8 New Bond Street, Worcester, MA 01606. Fax: 508-792-7621.
- Massachusetts Department of Environmental Protection, Southeast Regional Office, 20 Riverside Drive, Lakeville, MA 02347. Fax: 508-947-6557.
- Massachusetts Department of Environmental Protection, Western Regional Office, 436 Dwight Street, Springfield, MA 01103. Fax: 413-784-1149.
- U.S. Environmental Protection Agency, Water Technical Unit (OES 04-4), 5 Post Office Square – Suite 100, Boston, MA 02109-3912
 - Southeast Region: David Turin, Fax 617-918-0598
 - Northeast, Central and Western Regions: Douglas Koopman, Fax (617) 918-0747

What should I do if I'm not sure of the information I am providing?

For required items such as time of occurrence, causes of incident, volume of overflow, etc., PROVIDE YOUR BEST ESTIMATE OR ASSESSMENT AT THE TIME OF THIS REPORT. You can submit any additions or corrections later.

What is the best way to report the exact location of the overflow, or bypass?

Include with your *Notification Form* a copy of a map indicating its location. Please use 8 ½ " by 11" paper at an appropriate scale between 1:5000 to 1:25000. Specifying the geographic location will help DEP determine the public health and water quality impacts associated with overflows and bypasses.

Why do I need to report backups into buildings?

DEP wants to ensure that sewage backups into buildings as a result of problems in the sewer system are properly repaired and measures are put in place to reduce the likelihood of recurrence. Owner/operators of sewer systems that caused a backup may need to repair, rehabilitate, or upgrade the hydraulic

capacity of their system, or change their operations and maintenance procedures.

Are there some overflows or Bypass that are not subject to these reporting requirements?

DO NOT use the *Sanitary Sewer Overflow (SSO)/Bypass Notification* Form in the following situations:

- The overflow is from a properly permitted Combined Sewer Overflow structure. Follow the reporting requirements in your NPDES Permit.
- You are reporting an overflow or bypass of sewage for a collection system or treatment works that is not under your ownership and control. However, please assist DEP by immediately reporting to the appropriate DEP Regional Office by phone or fax any overflows or bypass incidences for facilities other than your own which involve a discharge of wastewater to the environment.

What are the state regulations that apply to this notification? Where can I get copies?

These regulations include, but are not limited to:

- Surface Water Discharge Regulations, 314 CMR 3.00
- Groundwater Discharge Regulations, 314 CMR 5.00
- Sewer Connection Regulations, 314 CMR 7.00 ____
- Operation and Maintenance Regulations, 314 CMR 12.00

Official copies of the regulations may be purchased at:

State Bookstore
State House, Room 116
Boston, MA 02133
617-727-2834

State Bookstore
436 Dwight Street
Springfield, MA 01103
413-784-1376



Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
**Sanitary Sewer Overflow (SSO)/Bypass
Notification Form**

FOR DEP USE ONLY

Tax Identification Number

A. Reporting Facility

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



See DEP Regional Office telephone and fax numbers at the end of this form.

1. Facility Information

Reporting Sewer Authority

Permit #

2. Authorized Representative Transmitting Form:

First Name

Last Name

Telephone No.

Title

E-mail Address

B. Phone Notifications:

1. MassDEP staff contacted:

first name

last name

Date/Time contacted:

Date

Time

☐ am

☐ pm

2. EPA staff contacted:

first name

last name

Date/Time EPA contacted:

Date

Time

☐ am

☐ pm

3. Board of Health contacted:

First Name

Last Name

Date/Time contacted:

Date

Time

☐ am

☐ pm

4. Others notified (select all that apply);

☐ Conservation Commission

☐ Harbormaster

☐ Shellfish Warden

☐ Division of Marine Fisheries

☐ Downstream Drinking Water Supplier

☐ Watershed Association

☐ Beach Resource Manager ☐ Other:

(specify)

C. SSO Information

1. SSO Discovered:

Date

Time

☐ am

☐ pm

By:

2. SSO Stopped:

Date

Time

☐ am

☐ pm

3. SSO Discharge from:

☐ Sanitary Sewer Manhole

☐ Pump Station

☐ Backup into Property

☐ Other:

(specify)

4. SSO Discharge to:

☐ Ground Surface (no release to surface water)

☐ Direct to Receiving Water

(surface water)

☐ Catch basin to Receiving Water

(surface water)

☐ Backup into Property Basement



Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number _____

C. SSO Information (cont.)

Location: _____
(Description of discharge site or closest address)

5. Estimated SSO Volume at time of this Report: _____

Method of Estimating Volume: _____

6. Cause of SSO Event:

- ☐ Rain Event ☐ Pump Station Failure ☐ Insufficient Capacity in System
- ☐ Treatment Unit failure
- ☐ Sewer System Blockage: ☐ Pipe Collapse ☐ Root Intrusion ☐ Grease Blockage
- ☐ Other: _____
(Specify)

7. Corrective Actions Taken:

Impact Area cleaned and/or disinfected: ☐ Yes ☐ No

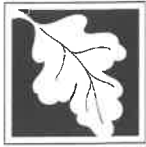
Corrective Actions Completed: ☐ Yes ☐ No

D. Comments/Attachments/Follow-up

I wish to provide (select all that apply):

☐ Attachment ☐ Additional comments below: ☐ No additional comments or attachments

Additional comments and planned actions:



Massachusetts Department of Environmental Protection
Bureau of Water Protection – Wastewater Management Program
Sanitary Sewer Overflow (SSO)/Bypass
Notification Form

FOR DEP USE ONLY

Tax Identification Number

E. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Authorized Representative

Date Signed

Please keep a copy of this report for your records. When submitting additional information, include the MassDEP Incident Number from this report.

MassDEP Regional Office and EPA Telephone and Fax Numbers:

Northeast Region	Phone: 978-694-3215	Fax: 978-694-3499
Southeast Region	Phone: 508-946-2750	Fax: 508-947-6557
Central Region	Phone: 508-792-7650	Fax: 508-792-7621
Western Region	Phone: 413-784-1100	Fax: 413-784-1149
EPA	Phone: 617-918-1510	
EPA for Southeast Region, David Turin	Phone: 617-918-1598	Fax: 617-918-0598
EPA for Northeast, Central and Western Regions, Douglas Koopman	Phone: 617-918-1747	Fax: 617-918-0747
DEP 24-hour emergency	Phone: 888-304-1133	

To:	Todd Borci, US EPA US EPA Stormwater and Construction Permits Section (OEP06-1) 5 Post Office Square – Suite 100 Boston, MA 02109-3912	From:	Robert Descheneau Stantec 45 Network Drive Burlington, MA 01803
File:	Compliance Memorandum	Date:	June 7, 2022

**Reference: Town of Belmont, MA
ORDER ON CONSENT Docket No. CWA-AO-R01-FY17-11
Final Compliance Memorandum**

Dear Mr. Borci,

In accordance with the above referenced Order on Consent, we are submitting the following Final Compliance Memorandum dated May 20, 2022, summarizing work completed to date and outlining the anticipated schedule to find and remove any remaining sources of illicit discharges in the Town of Belmont's stormwater system. Attachments to this memorandum include a summary of the cumulative work completed by the Town to identify and rectify sources of illicit discharges.

The Town has completed projects and IDDE investigations in accordance with the Administrative Order, as well as within the MS4 Permit guidelines and requirements. These investigations were completed at the Town's outfalls and their upper tributary areas, which indicated problem areas, mains, and laterals whose rehabilitation and repair would benefit the Town's stormwater system. The ongoing infrastructure projects in Town have addressed many of these problem areas, and the Town will continue to invest its efforts into maintaining its stormwater system.

Summary of Work Completed to Date (May 2017 - May 2022):

The Town performed dry weather screening and sampling of stormwater outfalls approximately three times per year through the duration of the Order on Consent. On average, typically flowing outfalls were sampled a total of five times. IDDE sub-catchment investigations were prioritized based on the dry weather outfall sampling results. The sub-catchment investigations included additional dry weather sampling in upper tributary areas as needed. Based on results of upper tributary sampling, illicit discharges were identified through targeted dyed-water testing and CCTV inspections of various mainline and service connections. The Town then removed identified illicit discharges through several construction contracts summarized below. Wet weather sampling has also been conducted in areas of historically low-flow and to identify improvements in results after rehabilitation and removal of contamination sources.

In May 2020, the Town began the Sewer System Rehab I/I Removal Project, of which all construction is complete. The work under this project included lining of 8-inch through 10-inch VCP sewers, full length replacement of 8-inch VCP sewer, service lateral lining, service lateral replacements, point repairs, rehabilitation of manholes, and appurtenant work.

The Town also annually completes a Pavement Management Plan (PMP) Project in order to complete underground work before final paving of roads. This PMP program has been active throughout the Administrative Order on Consent, from 2017, with the most recent construction contract to be completed in 2022. Work completed during the PMP program includes point repairs of gravity sewers and storm drains, replacement of sewer and storm drain service laterals and connections, and installation of new sewer and storm drain manholes.

Ongoing work in the Town of Belmont also includes, but is not limited to, the Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction Project. The scope of this rehabilitation project includes sewer system improvements such as point repairs, service lateral replacements, and cured-in-place mainline lining. This project began on July 21, 2021 and is anticipated to be remain open for the opportunity to rehabilitate or remove more IDDE contamination sources.

As a result of the Town's continued efforts towards removing illicit connections via their Pavement Management Plans and Rehabilitation projects, several outfalls and upper tributary sample manholes have shown significant improvements in E. coli levels. Outfalls 8-2, 11A, 12, 15, and 15A have far exceeded the E. coli threshold in the past but were found to be below threshold in the most recent round of sampling. Several other outfalls are still testing above threshold but have been found to have much lower levels of contamination than in the past.

Ongoing Work:

The Administrative Order on Consent requires IDDE investigations of all sub-catchment areas discharging from the Town's MS4. All stormwater outfalls within the Charles River watershed were sampled at the start of the Order on Consent work, the results of which did not indicate illicit discharge potential. For this reason, the Town has focused its efforts to date on identifying and removing illicit connections within the Mystic River Watershed sub-catchment areas. The Charles River outfalls and sub-catchments will continue to be investigated according to the MS4 Permit schedule.

Despite the Town's best efforts to identify and remove illicit discharges, dry weather sampling continues to reveal high levels of E. coli and ammonia at several outfalls within the Mystic River watershed. These results indicate there may be remaining illicit connections and discharges that have not yet been identified in these areas. The Town is actively working on determining the origin of remaining contamination and plans on conducting activities to address and remediate these sources. Each of the sub-catchments with remaining contamination are summarized in further detail below.

Samples from OF-1 have consistently resulted in levels of contamination below IDDE thresholds. However, dyed-water testing completed in this catchment area determined a partial illicit connection at the location of 58 Van Ness Road. The service lateral will be replaced from the main to the property in the early summer possibly sooner under the ongoing project, Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction Project. A drain line also crosses the sewer near this service and will be lined/replaced, if possible, to prevent sewer infiltration into the drain.

OF-2 sample results have indicted illicit discharge potential and triggered additional sampling in the upper tributary area. Results of upstream sampling have narrowed down a source of contamination

June 7, 2022

Belmont, MA Sampling Program Memo

Page 3 of 3

to the neighborhood surrounding Shaw Road. Additional repair work in this area is ongoing under the Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction Project, and all planned excavation repairs have been completed. There is a potential direct connection at 10 Hartley Rd, but additional investigation is needed to confirm this connection, which will occur in the late spring or early summer and will be rehabilitated after confirmation.

Sampling conducted on November 18, 2021, in OF-10 detected E. coli at 3,100 MPN/100 mL, indicating the potential for illicit discharges in the catchment area. Follow up CCTV inspections and dyed water testing of the area will be conducted, along with additional sampling.

Rehabilitation in sub-catchment 11A has already been completed, and sampling completed in March of 2021 have indicated below-threshold levels of E. coli. Samples taken at OF-11 on March 23, 2021, resulted in an E. coli concentration of 4,900 MPN/100 mL, indicating the potential for illicit discharges in the catchment area. A leaking capped drain line was identified in a drain manhole at Staunton Road and Oliver Road, located in sub-catchment 11. This drain line has been abandoned and is located below the sewer. The cap is planned to be replaced by the contractor of the Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction Project in the early summer, possibly sooner, to remove the source of contamination.

In addition to the ongoing work described above, the Town will continue to sample outfalls and upper tributary areas in compliance with MS4 Permit requirements. These sampling requirements will allow the Town to identify and remove any new illicit connections and discharges that arise during future Permit terms. The Town will also annually update its Stormwater Management Plan and SSO Inventory in accordance with Permit requirements.

The Town will strive to conduct investigations more frequently to identify contamination sources. The Private Sector Sump Pump Removal & Sewer System Rehabilitation Construction Project will remain open to facilitate the rehabilitation and removal of any future identified sources of contamination during the Town's investigations.

We are eager to provide additional information as necessary and are always willing to meet and discuss in greater detail any and all aspects of our work to date.

Regards,

STANTEC CONSULTING SERVICES INC.

Robert Descheneau III

Robert H. Descheneau III
Senior Design Engineer
Phone: (781) 221-1083
bobby.descheneau@stantec.com

Work Completed to Date (May 2017-May 2022)											
Report Date/ Project Name	LF Sewer Main CIPP	No. of Spot Repairs (Sewer)	No. Lined Sanitary Service Connections	No. Replaced Sanitary Service Connections	Reported Blockages	Reported SSOs	Indirect Illicit Discharges Identified	Direct Illicit Discharges Identified	Sump Pumps Removed	Cost Incurred	GPD Sewage removed
FY2018 (incl 2017 PMP and Lateral Lining project)		47	20	21			5	1		\$ 244,000.00	1,740
FY2019 (incl 2018 PMP)	1,671	15	6	14	195	1	3	2		\$ 181,000.00	1,129
FY2020 (incl 2020 I/I removal)	18,555	7		35	148		6	1	26	\$ 1,349,000.00	1,675
FY2021 (incl 2021 PMP and Mainline Lining)	3,289	10	60	14	202	1		1		\$ 525,000.00	1,670
FY2022 (incl 2022 PMP)		7		14						\$ 37,000.00	625
Subtotal	23,515	86	86	98	545	2	14	5	26	\$ 2,336,000.00	6,839