



FUSS & O'NEILL

June 23, 2022

Mr. Elvis Dhima, PE
Town Engineer

Mr. James Lavacchia
Public Works Supervisor

Town of Hudson
12 School Street
Hudson, NH 03051

RE: Town of Hudson
Hudson Infiltration/Inflow Study – Subsystems 4 & 9
Fuss & O'Neill Reference No. 20200006.A30

Dear Messrs. Dhima and Lavacchia:

The following is a summary of findings from our review of video files supplied to Fuss & O'Neill by the Town of Hudson. The attached spreadsheet notes conditions of individual sewer segments as well as some maintenance recommendations for those segments.

Fuss & O'Neill received a total of 244 sewer videos that were performed by Hudson DPW in the Fall and Winter of 2020-21 and the Fall of 2021. An additional set of 24 videos, including the north end of Webster Street, were taken in the Spring of 2022. These videos focused on Subsystems 4 and 9 which are located in the northwest corner of Hudson.

Occasionally, two video sections were needed to record conditions of a single sewer segment. The sewer pipe material was predominately asbestos concrete pipe (ACP) with some PVC plastic pipe segments as well. These Subsystem areas did not include any vitrified clay pipe (VCP) sewer segments. VCP segments are more subject to cracking and infiltration at the un-gasketed joints than ACP and PVC sewer segments.

Through our review, there were a few sewer pipe sections which showed severe infiltration problems.

1. One was on St. Laurent Drive (Segment SLD4 - SLD3). The video for this segment captured a view of apparent groundwater spraying from the pipe invert under artesian pressure.
2. Two Webster Street sewer segments are labeled WEB43 - WEB42 and WEB43 - WEB42_1. Typically, the underscore symbol “_” indicates a continuation of video through the same segment, but these two videos document conditions in separate

The Gateway Building
50 Commercial Street
Manchester, NH
03101
† 603.668.8223
800.286.2469
www.fando.com

California
Connecticut
Maine
Massachusetts
New Hampshire
Rhode Island
Vermont

Messrs. Dhima and Lavacchia

June 23, 2022

Page 2 of 2

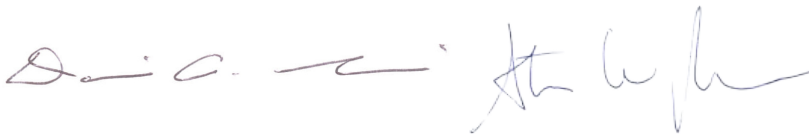
segments, so we're not sure of the exact location of each video. Both videos show possible inflow from cracks in the invert area below the fluid level. We recommend the Town revisit these segments in dryer periods (e.g., July or August) when flows might be reduced to review and confirm the locations of these segments and the findings noted.

3. Segment WEB50 – WEB49 shows significant inflow through a pipe joint.
4. Root intrusions were noted on Grand Avenue Sewer Segment SUM2- NEW1 (Entry #54), and Elm Avenue SMH (Entry #164).

It was previously noted that many of the Webster Street sewer segments had fluid levels that were deeper than the camera lens, so not much data was originally available for viewing (see pale colored entries on the attached spreadsheet). This trunk sewer size ranges from 10" to 15" diameter according to the Town's sewer database. The Town was able to re-vidiotape Webster Street sections using an extension on the camera rig that raised the camera above the fluid level. We note that the adjacent Reeds Brook parallels Webster Street for much of its length and is a perennial stream, so groundwater levels remained high in that vicinity to highlight infiltration/inflow issues.

We appreciate the opportunity to provide these review services and look forward to any questions you may have.

Sincerely,



David A. Lewis PE
Senior Project Engineer

Steven W. Reichert PE
Senior Project Manager

DAL:mjt

Attachment: Sewer Video Evaluation spreadsheet

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|----|---------------|-----------|------------------|--------|---------------|---------------|-------|-------|---------------------------------|------------|----------------|---|
| | | | | | | START | END | NET | | | | |
| 1 | ADAMS DRIVE | 3-Nov-20 | SLD11 | AD7 | ACP | 0 | 166 | 166 | UP | 13 | GOOD | ACP?; 160' SAME DIA LATERAL ON LEFT; SOLIDS ACCUM IN SMH AT 166' WHY WASN'T SMH MOVED 6' DS? |
| 2 | ADAMS DRIVE | 3-Nov-20 | ADX1 | ADX2_1 | ACP | 201.5 | 202.4 | 0.9 | DOWN | | POOR VIDEO | FLUID LEVEL JUST BELOW CAMERA LENS, WHEELS HAVE LITTLE TRACTION |
| 3 | ADAMS DRIVE | 3-Nov-20 | ADX1 | ADX2 | ACP | 0 | 202 | 202 | DOWN | 13 | GOOD | WHEELS LOST TRACTION AT 202', CAN SEE SMH ~ 210' THOUGH |
| 4 | ADAMS DRIVE | 3-Nov-20 | AD11 | AD10 | ACP | 0 | 180 | 180 | ? TOO LOW | 13 | GOOD | LARGE SERVICE 110' RT; 2ND SERVICE 167' LT; 3RD SERVICE 170' RT; SMH AT 180' |
| 5 | ADAMS DRIVE | 3-Nov-20 | AD10 | ADX9 | ACP | 0 | 24.4 | 24.4 | DOWN | 6' | TOO SHORT | SERVICE 24' LT; |
| 6 | ADAMS DRIVE | 3-Nov-20 | AD9 | AD10 | ACP | 0 | 196 | 196 | UP | 13 | GOOD | REVERSE OF VIDEO ABOVE; LOTS OF CLEAR WATER, SERVICE AT 70' LT; 2ND AT 73' RT; 3RD AT 195' RT W/ SIGNIFICANT GREASE; STOPS PROGRESSION |
| 7 | ADAMS DRIVE | 3-Nov-20 | AD9 | AD8 | ACP | 0 | 300 | 300 | UP | 13 | GOOD | LG. SERVICE / LATERAL 30' RT; 2ND SERVICE AT 126' RT; 3RD SEERVICE AT 129 LT; SMH AT 300' |
| 8 | ADAMS DRIVE | 2-Nov-20 | AD8 | AD7 | ACP | 0 | 158 | 158 | UP | 13 | GOOD | LOTS OF CLEAR WATER; SERVICE 19' LT; 2ND 35' RT - SIG. ROOT INTRUSION! AT 1' FROM MAIN; 3RD 151 LT; SMH AT 158 |
| 9 | ADAMS DRIVE | 2-Nov-20 | AD6 | AD7_1 | ACP | 209 | 345 | 136 | UP | 13 | GOOD | 345' SMH W/ LATERAL ENTERING FROM RIGHT |
| 10 | ADAMS DRIVE | 2-Nov-20 | AD6 | AD7 | ACP | 0 | 209 | 209 | UP | 13 | GOOD | 1ST SERVICE 57' LT; 2ND AT 74' RT; 3RD AT 183' RT; SERVICE NEAR 202' LAUNDRY FOAM VIDEO DIDN'T SHOW SIDE; ENDS AT 209' NO SMH |
| 11 | ADAMS DRIVE | 2-Nov-20 | AD6 | AD5_2 | ACP | 274.5 | 354 | 79.5 | UP | 13 | GOOD | 1ST SERVICE AT 276 LT; 2ND AT 306' RT; SMH AT 352' |
| 12 | ADAMS DRIVE | 2-Nov-20 | AD6 | AD5_1 | ACP | -2.5 | 276 | 278.5 | UP | 13 | GOOD | 1ST SERVICE 55' RT; 2ND AT 124 LT; 3RD AT 206 RT; 4TH AT 276 LT; NO SMH AT VIDEO END |
| 13 | ADAMS DRIVE | 2-Nov-20 | AD6 | AD5 | ACP | 0 | | 0 | | | NA | CAMERA RECORDED IN OFFICE - NO SEWER ON VIDEO |
| 14 | ADAMS DRIVE | 2-Nov-20 | AD5 | AD4 | ACP | 297.6 | 348 | 50.4 | DOWN | 13 | GOOD | 1ST SERVICE AT 299' LT; ENDS AT SMH 348' |
| 15 | ADAMS DRIVE | 3-Nov-20 | AD4 | ADX1_1 | ACP | 322.5 | 353 | 30.5 | DOWN | 13 | GOOD | SAG IN PROFILED FROM 340-348 ; 353' SMH WITH ROOTS ON SHELF?!; VIDEO ENDS |
| 16 | ADAMS DRIVE | 3-Nov-20 | AD4 | ADX1 | ACP | 0 | 322.5 | 322.5 | DOWN | 13 | GOOD | VIDEO STARTS IN SAG WITH FLUID ALONST TO LENS; 57' CAMERA CLEARS SAG; DOESN'T END IN SMH |
| 17 | ADAMS DRIVE | 2-Nov-20 | AD3 | AD4_1 | ACP | 261 | 302 | 41 | UP | 13 | GOOD | SMH AT 302' |
| 18 | ADAMS DRIVE | 2-Nov-20 | AD3 | AD4 | ACP | 0 | 261 | 261 | UP | 13 | GOOD | 1ST SERVICE AT 65' RT; 2ND AT 68' LT; 3RD AT 217' RT; 4TH AT 220' LT; NO SMH AT VIDEO END |
| 19 | ADAMS DRIVE | 2-Nov-20 | AD2 | AD3_1 | ACP | 247 | 333 | 86 | UP | 13 & 6 | GOOD | 13' PIPE SECTIONS UNTIL 289', THEN SOME 6' SECTIONS; 1ST SERVICE AT 261' RT; SMH AT 333' |
| 20 | ADAMS DRIVE | 2-Nov-20 | AD2 | AD3 | ACP | 0 | 247 | 247 | UP | 13 | GOOD | 1ST SERVICE AT 82' RT; 2ND AT 206' LT; NO SMH AT VIDEO END |
| 21 | ADAMS DRIVE | 3-Nov-20 | AD1 | AD2_2 | ACP | 311.8 | 324 | 12.2 | NO FLOW | SHORT | GOOD | 1ST SERVICE AT 311.8' LT; SIG. SOLIDS DEPOSITS, TERMINAL SMH AT 324 -> SMH NEEDS CLEANING, MAYBE RE-BRICKING TOO |
| 22 | ADAMS DRIVE | 3-Nov-20 | AD1 | AD2_1 | ACP | 0 | 311.8 | 311.8 | NO FLOW | 13 | GOOD | 1ST SERVICE 108' RT; 2ND AT 311.8' LT; VIDEO ENDS |
| 23 | ADAMS DRIVE | 2-Nov-20 | AD1 | AD2 | ACP | 0 | 196 | 196 | NO FLOW | 13 | GOOD | 1ST SERVICE 54' LT; VIDEO BLINKING PROBLEMS; 2ND AT 110' RT; 3RD AT 193' LT; NO SMH AT VIDEO END |
| 24 | ALVIRNE DRIVE | 19-Nov-20 | ALV2 | ALV1 | ACP | 0 | 186 | 186 | UP | 13 | GOOD | 1ST SERVICE AT 41' RT; SMH AT 186'; (FASTER OPERATOR) |
| 25 | ALVIRNE DRIVE | 19-Nov-20 | ALV3 | ALV2 | ACP | 0 | 160 | 160 | UP | 13 | GOOD | 1ST SERVICE AT 82' LT; SMH AT 160' |
| 26 | ALVIRNE DRIVE | 19-Nov-20 | ALV4 | ALV3 | ACP | 0 | 262 | 262 | UP | 13 | GOOD | FLAT PIPE/ SAG FOR INITIAL ~15'; 1ST SERVICE 16' RT; 2ND AT 59' LT - LOTS OF GREASE!; 3RD AT 154' RT - MOD. GREASE; 4TH AT 211' LT MOD. GREASE; SMH AT 252' |
| 27 | ALVIRNE DRIVE | 19-Nov-20 | ALV5 | ALV4 | ACP | 0 | 202 | 202 | UP | 13 | GOOD | 1ST SERVICE AT 31' RT MOD. GREASE (CAMERA DIDN'T STOP); 2ND AT 73' LT MOD. GREASE; SMH AT 202 WITH GREASY SERVICE FROM ATOP SHELF |
| 28 | AMANDA DRIVE | 1-Dec-20 | AMA2 | AMA1 | PVC | 0 | 74 | 74 | DOWN | 13 | GOOD | NO SERVICES; SMH AT 74'; |
| 29 | AMANDA DRIVE | 30-Nov-20 | AMA3 | AMA2 | PVC | 0 | 132 | 132 | DOWN | 13 | GOOD | 1ST SERVICE 12' LT; 2ND 64' LT; SMH AT 132' |
| 30 | AMANDA DRIVE | 30-Nov-20 | AMA4 | AMA3 | PVC | 0 | 188 | 188 | DOWN | 13 | GOOD | 1ST SERVICE AT 41' LT; 2ND 112' LT; 3RD 165' RT; 4TH 179' LT; SMH AT 188' |
| 31 | AMANDA DRIVE | 30-Nov-20 | AMA5 | AMA4 | PVC | 0 | 115 | 115 | UP | 13 | GOOD | 1ST SERVICE 9' RT - WIRE HANGING?!; 2ND 69' RT; SMH AT 115' |
| 32 | AMANDA DRIVE | 30-Nov-20 | AMA6 | AMA5 | PVC | 0 | 188 | 188 | UP | 13 | GOOD | 1ST SERVICE 12' RT; 2ND 39' LT; 3RD 72' RT; 4TH 122' LT - MAINLINE FLUID BACKS INTO SERVICE; 5TH 140' RT - ALSO FLUID BACKS UP SERVICE; SMH AT 188' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|----|---------------|-----------|------------------|----------|---------------|---------------|-----|-------|---------------------------------|------------|----------------|---|
| | | | | | | START | END | NET | | | | |
| 33 | AMANDA DRIVE | 30-Nov-20 | AMA7 | AMA6 | PVC | 0 | 146 | 146 | UP | 13 | GOOD | 1ST SERVICE 8' RT; 2ND 61' RT; 3RD 120' RT; 4TH 127' RT; 5TH 138' LT; TERMINAL SMH AT 146 |
| 34 | AMANDA DRIVE | 30-Nov-20 | KAT1 | AMA4 | PVC | 0 | 156 | 156 | UP | 13 | GOOD | 1ST SERVICE 49' RT; 2ND 63' LT; 3RD 124' RT; 4TH 140' LT; 5TH 147' LT; TERMINAL SMH - 156' |
| 35 | AMANDA DRIVE | 1-Dec-20 | MAD1 | AMA6 | PVC | 0 | 248 | 248 | UP | 13 | GOOD | 1ST 49' RT; 2ND 129' RT; 3RD 143' LT; 4TH 197' RT; 5TH 210' LT; 6TH 232' LT; 7TH 238' LT; TERMINSL SMH 248' <i>NEEDS CLEANING</i> |
| 36 | BERKLEY DRIVE | 1-Dec-20 | BER3 | BER2 | PVC | 0 | 222 | 222 | UP | 13 | GOOD | 1ST SERVICE 44' RT; 2ND 95' LT; 3RD 106' RT; 4TH 162' LT; 5TH 166 RT; 6TH 203 RT; 7TH 207' LT; 2MH AT 222' |
| 37 | BERKLEY DRIVE | 1-Dec-20 | BER1 | BER2 | PVC | 0 | 171 | 171 | UP | 13 | GOOD | 1ST SERVICE 33' LT; 2ND 53' RT; 3RD 115' LT; 4TH 125' RT; SMH AT 171' |
| 38 | BERKLEY DRIVE | 1-Dec-20 | DL9 | BER1 | PVC | 0 | 223 | 223 | UP | 13 | GOOD | 1ST SERVICE 19' RT; SMH AT 223' - <i>NEEDS CLEANING</i> |
| 39 | BERKLEY DRIVE | 1-Dec-20 | WES2 | WES1 | PVC | 0 | 64 | 64 | UP | 13 | GOOD | 1ST SERVICE 28' LT; 2ND 58' LT; SMH AT 64'; |
| 40 | BERKLEY DRIVE | 1-Dec-20 | WES3 | WES2 | PVC | 0 | 96 | 96 | UP | 13 | GOOD | 1ST SERVICE 43' LT; 2ND 47' RT; 3RD 90' LT; SMH 96' |
| 41 | BERKLEY DRIVE | 1-Dec-20 | WES4 | WES3 | PVC | 0 | 95 | 95 | UP | 13 | GOOD | 1ST SERVICE 48' ; 2ND 87' LT; 3RD 89' RT; 4TH 90' LT; SMH AT 95' - <i>NEEDS CLEANING</i> |
| 42 | DERRY LANE | 9-Dec-20 | DL1 | WEB34 | | 6.3 | 304 | 297.7 | ? | ? | ? | <i>VERY POOR FLASHING VIDEO; END CAPPED AT 304'??!</i> |
| 43 | FOREST ROAD | 18-Nov-20 | FOR5 | FORX1 | ACP | 0 | 198 | 198 | DOWN | 10 | GOOD | 170' FLUID LEVEL HIGHER THAN CAMERA; VIDEO ENDS AT 198' - NO SMH |
| 44 | FOREST ROAD | 18-Nov-20 | FOR5 | FORX1-12 | ACP | 0 | 196 | 196 | DOWN | 10 | GOOD | SMH AT 196'; NO SERVICES |
| 45 | FOREST ROAD | 18-Nov-20 | FOR6 | FOR5 | ACP | 0 | 336 | 336 | UP | 10 | GOOD | 1ST SERVICE 89' RT; 2ND 143' LT; 3RD 277' RT; SMH - 336' |
| 46 | FOREST ROAD | 18-Nov-20 | FOR7 | FOR6 | ACP | 0 | 103 | 103 | VERY LOW | 10 | GOOD | 1ST SERVICE 43' LT; SMH AT 103' |
| 47 | FOREST ROAD | 18-Nov-20 | FOR8 | FOR7 | ACP | 0 | 127 | 127 | UP | 10 | GOOD | 1ST SERVICE 35' RT; 2ND 58' LT; SMH AT 127' |
| 48 | FOREST ROAD | 18-Nov-20 | FOR9 | FOR8 | ACP | 0 | 160 | 160 | UP | 10 | GOOD | <i>PROBLEM STARTING - DUE TO GREASE</i> ; 1ST SERVICE 65' RT; MUCH LESS GREASE PAST 65'; 2ND 148' LT; 3RD 157'- SEVERE GREASE BUILDUP; TOO MUCH SOLIDS TO PROGRESS - <i>NEEDS CLEANING</i> |
| 49 | FOREST ROAD | 18-Nov-20 | FORX1 | SLD4 | ACP | 0 | 222 | 222 | DOWN | 10 | GOOD | SMH AT 222'; NO SERVICES |
| 50 | GRAND AVE | 23-Mar-21 | CE43 | CE41 | ACP | 0 | 114 | 114 | UP | 13 | GOOD | PIPE FLUID AT SPRINGLINE ENTIRE VIDEO LENGTH; 1ST SERVICE 2' RT; 2ND 71' TOP CHIMNEY; 3RD 114' TOP CHIMNEY FLOWING WELL; END OF VIDEO |
| 51 | GRAND AVE | 24-Mar-21 | GRA5 | GRA4 | ACP | 0 | 256 | 256 | UP | 13 | GOOD | <i>1ST SERVICE AT -1.5' (-8' FROM ENTRY); 2ND 93' LT; 3RD 135' RT; 4TH AT 255' LT' CAN SEE SMH, BUT TOO MUCH SOLIDS TO ADVANCE; VIDEO ENDS ABOUT 10' SHY OF SMH</i> |
| 52 | GRAND AVE | 24-Mar-21 | HIL2 | HIL1 | ACP | 0 | 297 | 297 | UP | 13 | GOOD | 1ST SERVICE 1' LT; 2ND 121' RT; 3RD 171' LT - CLEAR WATER FROM SERVICE; 4TH 232' RT; 5TH 246' LT; SMH AT 297 W/ TWO INT. DROP SERVICES |
| 53 | GRAND AVE | 24-Mar-21 | HIL3 | HIL1 | ACP | 0 | 596 | 596 | DOWN | 13 | GOOD | 1ST SERVICE 13' LT - <i>STREAMING LEAK!</i> ; 2ND 60' LT; 3RD 78' RT; <i>SMH AT 294'</i> WITH TWO INT. DROP SERVICES; 1ST 246' RT; 2ND 260' LT; 3RD 549' RT; 4TH 591'RT; SMH AT 596' |
| 54 | GRAND AVE | 24-Mar-21 | SUM2 | NEW1 | ACP | 0 | 252 | 252 | UP | 13 | FAIR | 1ST SERVICE 5' RT; 2ND 13' LT; 3RD 160' RT; 4TH 185' LT; 5TH 190' LT - <i>APPEARS CAPPED; SEVERE ROOT INTRUSION AT 252' END OF VIDEO</i> |
| 55 | GRAND AVE | 24-Mar-21 | SUM3 | HIL2 | ACP | 0 | 302 | 302 | DOWN | 13 | GOOD | 1ST SERVICE 22' LT - <i>STREAMING INFIL. AT CONNECTION</i> ; 2ND 69' LT; 3RD 87' RT; 4TH 215' LT; 5TH 258' RT; SMH AT 302' W/ TWO INT. DROP SERVICES |
| 56 | GRAND AVE | 24-Mar-21 | SUM3 | SUM2 | ACP | 0 | 278 | 278 | UP | 13 | GOOD | 1ST SERVICE 27' LT; 2ND 82' LT; 3RD 110' RT; 4TH 192' RT; 5TH 270' RT; 6TH 272' RT; TERMINAL SMH AT 278' |
| 57 | GRAND AVE | 24-Mar-21 | SUM4 | SUM3 | ACP | 0 | 332 | 332 | DOWN | 13 | GOOD | 1ST SERVICE 40' RT; 2ND 149' LT; 3RD 198' LT; 4TH 218' RT; 5TH 264' LT; 6TH 287' RT; SMH AT 332' |
| 58 | HILL ST | 25-Mar-21 | HIL4 | HIL2 | ACP | 0 | 817 | 817 | DOWN | 13 | GOOD | 1ST SERVICE 39' RT; 2ND 148' LT; 3RD 197 LT; 4TH 217 RT; 5TH 264 LT; 6TH 287' RT; <u>SMH AT 333'</u> ; 1ST 356' LT - <i>GW LEAK SPRAYING AT SERVICE</i> ; 2ND 403' LT; 3RD 421' RT MOD. GREASE; 4TH 548' LT; 5TH 591' RT; ANOTHER SMH AT 638' - 2 INT. DROPS; 1ST SERVICE AT 689' RT; 2ND 704' LT GREASE ; 3RD 765 RT GREASE; 4TH 815' LT; 817' END OF VIDEO NOT IN SMH |
| 59 | HILL ST | 25-Mar-21 | HIL4 | HIL2_1 | ACP | 817 | 876 | 59 | DOWN | 13 | GOOD | CON'T FROM ABOVE; PRIMARILY RETRIEVAL |
| 60 | LECLAIR DR | 30-Nov-20 | LEC1 | SHOR3 | PVC | 0 | 252 | 252 | UP | 13 | GOOD | VERY FOGGY VIDEO; NO SERVICES?!!; TERMINAL SMH AT 252' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS-FT | PIPE INTEGRITY | NOTES |
|----|----------------|-----------|------------------|---------|---------------|---------------|-----|-----|---------------------------------|-----------|----------------|---|
| | | | | | | START | END | NET | | | | |
| 61 | LEXINGTON CT | 31-Jan-21 | LEX1 | LEX3 | PVC | 0 | 260 | 260 | UP | 13 | GOOD | REDUCED LIGHT POWER - 37V; 1ST SERVICE 27' RT; 2ND 34' LT; 3RD 78' LT; 4TH 105 RT; SMH AT 135'; 1ST 180' LT; 2ND 208' LT; 3RD 235' LT; SMH AT 260' |
| 62 | LEXINGTON CT | 31-Jan-21 | LEX1 | LEX3-44 | PVC | 0 | 126 | 126 | UP | 13 | GOOD | 1ST 7' LT; 2ND 21' RT; 3RD 65' LT; SMH AT 126 W/ ONE INT. SERVICE DROP (SET TOO LOW) |
| 63 | LEXINGTON CT | 3-Dec-20 | DL8 | DL6 | PVC & ACP | 0 | 87 | 87 | UP | 13 | GOOD | MTRL CHANGES FROM PVC TO ACP AT 62'; BACK TO PVC AT 80'; NO SERVICES; SMH AT 87' - NEEDS CLEANING |
| 64 | LEXINGTON CT | 3-Dec-20 | LEX1 | DL7 | PVC | 0 | 265 | 265 | DOWN | 13 | GOOD | 1ST SERVICE 70' LT; 2ND 85' RT; 3RD 101' LT; 4TH 104' RT; 5TH 157' LT; 6TH 184' RT; 7TH 219' LT; 8TH 246' RT; CAMERA CAN'T PROGRESS PAST 265', VIDEO ENDS |
| 65 | LEXINGTON CT | 3-Dec-20 | LEX3 | LEX1 | PVC | 0 | 134 | 134 | UP | 13 | GOOD | 1ST SERVICE 12' RT; 2ND 26' RT; 3RD 34' LT; 4TH 77' LT; 5TH 104 RT; SMH AT 134' |
| 66 | LEXINGTON CT | 3-Dec-20 | LEX4 | LEX3 | PVC | 0 | 122 | 122 | UP | 13 | GOOD | FOGGY VIDEO LENS; 1ST SERVICE AT 70' LT; 2ND 97' LT; SMH AT 122' |
| 67 | LEXINGTON CT | 3-Dec-20 | LEX5 | LEX4 | PVC | 0 | 125 | 125 | DOWN | 13 | GOOD | FOGGY CAMERA LENS; 1ST SERVICE AT 54' RT; 2ND AT 99' LT; SMH AT 125' |
| 68 | LEXINGTON CT | 3-Dec-20 | LEX5 | LEX6 | PVC | 0 | 265 | 265 | DOWN | 13 | GOOD | 1ST SERVICE 3.6' LT; 2ND 7' RT; 3RD 49' LT; 4TH 56' RT; 5TH 117' RT; 6TH 131 LT; 7TH 145' RT; 8TH 198' RT; 9TH 205' LT; 10TH 248 LT; TOP OF DROP AT 265' |
| 69 | LEXINGTON CT | 3-Dec-20 | LEXX1 | LEX5 | PVC | 0 | 186 | 186 | UP | 13 | GOOD | 1ST SERVICE AT 91' LT; 2ND 98' RT; 3RD 162' RT; 4TH 169' LT; 5TH 176' RT; SMH AT 186' |
| 70 | LEXINGTON CT | 3-Dec-20 | LEXX2 | LEXX1 | PVC | 0 | 153 | 153 | UP | 13 | GOOD | NO SERVICES ON VIDEO; FLUID LEVEL HIGH, NO END SMH |
| 71 | PATRICIA DR | 19-Nov-20 | ALV1 | PAT6 | ACP | 0 | 264 | 264 | DOWN | 6 & 13 | GOOD | 1ST SERVICE 75' TOP; SMH AT 264' |
| 72 | PATRICIA DR | 19-Nov-20 | PAT6 | PAT5 | ACP | 0 | 132 | 132 | DOWN | 13 | GOOD | 1ST SERVICE AT 17' RT; 2ND 34' LT; 3RD 113' RT; SMH AT 132 |
| 73 | PLAZA AVE | 22-Nov-20 | PLA1 | WEB53 | ACP | NA | | | | | NA | NO EFFECTIVE VIDEO RESULTS |
| 74 | PLAZA AVE | 22-Nov-20 | PLA1 | WEB53_1 | ACP | 0 | 215 | 215 | DOWN | 13 | GOOD | 1ST SERVICE 118' RT; SMH 215' |
| 75 | PLAZA AVE | 22-Nov-20 | PLA2 | PLA1 | ACP | 0 | 281 | 281 | DOWN | 13 | GOOD | 1ST SERVICE 23' RT; 2ND 156' LT; 3RD 210' RT; FLUID HIGH FROM 271 TO SMH AT 281'; ATTEMPT TO PROGRESS FAILS; |
| 76 | PLAZA AVE | 22-Nov-20 | PLA4 | PLA3 | ACP | 0 | 304 | 304 | UP | | GOOD | 1ST SERVICE 123' LT; 2ND 191 RT; 3RD 271 LT; SMH AT 304' VIDEO ENDS |
| 77 | PLAZA AVE | 22-Nov-20 | PLA5 | PLA4 | ACP | 0 | 303 | 303 | UP | | GOOD | 1ST SERVICE 41' RT; 2ND 135' LT; 3RD 229 RT; 4TH 271' RT; 5TH 285' LT; SOLIDS BUILDUP 285-303'; SMH AT 303' |
| 78 | ST. LAURENT DR | 16-Nov-20 | FOR1 | FOR2 | ACP | 0 | 166 | 166 | DOWN | 10 | GOOD | 1ST SERVICE 4' RT; 2ND 47' LT; 3RD 120' RT; VIDEO STOPS AT 166' NO SMH |
| 79 | ST. LAURENT DR | 16-Nov-20 | FOR1 | FOR2_1 | ACP | 166 | 301 | 135 | DOWN | 10 | GOOD | CON'T - 4TH 203' LT; 5TH 246' RT; SMH AT 301' |
| 80 | ST. LAURENT DR | 16-Nov-20 | FOR2 | FOR3 | ACP | 0 | 138 | 138 | DOWN | 10 | GOOD | 1ST SERVICE 24' LT; 2ND 36' RT; VIDEO STOPS AT 138' NO SMH |
| 81 | ST. LAURENT DR | 16-Nov-20 | FOR2 | FOR3_1 | ACP | 138 | 271 | 133 | DOWN | 10 | GOOD | CON'T - 3RD 140' LT; 4TH 265' LT; VIDEO STOPS AT 271' NO SMH |
| 82 | ST. LAURENT DR | 16-Nov-20 | FOR2 | FOR3_2 | ACP | 271 | 304 | 33 | DOWN | 10 | GOOD | CON'T VIDEO STOPS AT 304' SMH APPEARS FARTHER - MAYBE 315' |
| 83 | ST. LAURENT DR | 16-Nov-20 | FOR3 | FOR4 | ACP | 0 | 321 | 321 | UP | 10 | GOOD | 1ST SERVICE 83' LT; 2ND 125' RT; 3RD 209' LT; 4TH 251' RT; 5TH 294' LT; SMH AT 321' |
| 84 | ST. LAURENT DR | 16-Nov-20 | FOR4 | FOR5 | ACP | 0 | 132 | 132 | UP | 10 | GOOD | 1ST SERVICE 50' RT; 2ND 92' LT; SMH AT 132' |
| 85 | ST. LAURENT DR | 16-Nov-20 | PAT1 | SLD9 | ACP | 0 | | 0 | DOWN | 10 | GOOD | 1ST SERVICE AT 3' LT; 2ND 58' LT; VIDEO ENDS AT 244' NO SMH |
| 86 | ST. LAURENT DR | 16-Nov-20 | PAT1 | SLD9_1 | ACP | 244 | 287 | 43 | DOWN | 10 | GOOD | SMH AT 287' |
| 87 | ST. LAURENT DR | 16-Nov-20 | PAT2 | PAT3 | ACP | 0 | 217 | 217 | UP | 10 | GOOD | 1ST SERVICE 29' RT; 2ND 152' RT; 3RD 215 LT; |
| 88 | ST. LAURENT DR | 16-Nov-20 | PAT2 | PAT3_1 | ACP | 217 | 288 | 71 | UP | 10 | GOOD | CON'T 4TH SERVICE 278' RT; TERMINAL SMH AT 288' |
| 89 | ST. LAURENT DR | 16-Nov-20 | PAT3 | FOR1 | ACP | 0 | 142 | 142 | DOWN | 10 | GOOD | 1ST SERVICE 118' LT; 2ND 140' RT; VIDEO ENDS AT 142' - NO SMH |
| 90 | ST. LAURENT DR | 16-Nov-20 | PAT3 | FOR1_1 | ACP | 186 | 330 | 144 | DOWN | 10 | GOOD | CON'T BUT MISSING 44 LF; 3RD 254' LT ; SMH AT 330' |
| 91 | ST. LAURENT DR | 16-Nov-20 | PAT4 | PAT3 | ACP | 0 | 72 | 72 | UP | 10 | GOOD | 1ST SERVICE 72' LT; VIDEO STOPS AT 79' - SMH PLUGGED ABOUT 5' AHEAD - NEEDS CLEANING |
| 92 | ST. LAURENT DR | 16-Nov-20 | SL10 | SL9 | ACP | 10 | 228 | 218 | UP | 10 | GOOD | 1ST SERVICE 81' LT; 2ND 101' RT; SIG. SOILDS BUILDUP PAST 202'; VIDEO STOPS AT 228' EST. SMH ANOTHER 10' SEGMENT NEEDS CLEANING |
| 93 | ST. LAURENT DR | 16-Nov-20 | SL10 | SL9_1 | ACP | 228 | 228 | 0 | NA | NA | NA | CAMERA DOES NOT MAKE ANY ADDITIONAL PROGRESS TO ONE ABOVE |
| 94 | ST. LAURENT DR | 16-Nov-20 | SLD1 | WEB51 | ACP | 0 | 216 | 216 | DOWN | 13 | GOOD | NO SERVICES; SMH AT 216' |
| 95 | ST. LAURENT DR | 16-Nov-20 | SLD2 | SLD1 | ACP | 0 | 293 | 293 | DOWN | 13 | GOOD | 1ST SERVICE 196' RT; SMH AT 293' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS-FT | PIPE INTEGRITY | NOTES |
|-----|----------------|-----------|------------------|--------|---------------|---------------|-----|-----|---------------------------------|-----------|----------------|---|
| | | | | | | START | END | NET | | | | |
| 96 | ST. LAURENT DR | 16-Nov-20 | SLD3 | SLD2 | ACP | 0 | 350 | 350 | DOWN | 13 | GOOD | 1ST SERVICE 45' LT; 2ND 73' RT - LOOKS UNUSED??; 3RD 168' RT; 4TH 290' TOP CHIMNEY; SMH AT 350' |
| 97 | ST. LAURENT DR | 16-Nov-20 | SLD4 | SLD3 | ACP | 0 | 272 | 272 | UP | 13 | POOR | 1ST SERVICE 54' RT; 2ND 109 LT; GW INFILTRATION BUBBLING INTO SEWER AT JOINT - 136'; 3RD AT 203 RT; 4TH 218' LT; VIDEO ENDS 272' BUT NO SMH |
| 98 | ST. LAURENT DR | 16-Nov-20 | SLD4 | SLD3_1 | ACP | 272 | 357 | 85 | UP | 13 | GAP? | 351' LAST JOINT BEFORE SMH SHOWS WIDER GAP AT FLUID LEVEL THAN TOP - LAST SECTION IS MUCH STEEPER; SMH AT 357' |
| 99 | ST. LAURENT DR | 16-Nov-20 | SLD5 | SLD4 | ACP | 0 | 168 | 168 | UP | 13 | GOOD | 1ST SERVICE 81' RT; 2ND 97' LT; VIDEO ENDS AT 168' - NO SMH |
| 100 | ST. LAURENT DR | 16-Nov-20 | SLD5 | SLD4_1 | ACP | 168 | 223 | 55 | UP | 13 | GOOD | NO SERVICES; SMH AT 223 |
| 101 | ST. LAURENT DR | 16-Nov-20 | SLD6 | SLD5 | ACP | 0 | 190 | 190 | UP | 13 | GOOD | 1ST SERVICE 14' RT - RAG HANGING; 2ND 29' LT; 3RD 135' RT; 4TH 163' LT; VIDEO ENDS AT 190' NO SMH |
| 102 | ST. LAURENT DR | 16-Nov-20 | SLD6 | SLD5_1 | ACP | 190 | 245 | 55 | UP | 13 | GOOD | NO SERVICES; SMH AT 245' |
| 103 | ST. LAURENT DR | 16-Nov-20 | SLD7 | SLD6 | ACP | 0 | 178 | 178 | UP | 13 | GOOD | 1ST SERVICE AT 15' RT; 2ND 56' LT; 3RD 122' RT; 4TH 164' LT; VIDEO ENDS AT 178' NO SMH |
| 104 | ST. LAURENT DR | 16-Nov-20 | SLD7 | SLD6_1 | ACP | 178 | 248 | 70 | UP | 13 | GOOD | CONTINUED; NO SERVICES; CAMERA RELEASED BLOCKAGE; NO SMH AT VIDEO END |
| 105 | ST. LAURENT DR | 16-Nov-20 | SLD8 | SLD7 | ACP | 0 | 189 | 189 | DOWN | 10 | GOOD | 1ST SERVICE 21' RT; 2ND 63' LT; 3RD 146' RT; 4TH 189' LT; |
| 106 | ST. LAURENT DR | 16-Nov-20 | SLD8 | SLD7_1 | ACP | 189 | 189 | 0 | NA | NA | NA | JUST VIEW OF SMH AT END OF PREVIOUS VIDEO |
| 107 | ST. LAURENT DR | 16-Nov-20 | SLD9 | SLD8 | ACP | 0 | 184 | 184 | UP | 10 | GOOD | 1ST SERVICE 82' RT; NO SMH AT VIDEO END |
| 108 | ST. LAURENT DR | 16-Nov-20 | SLD9 | SLD8_1 | ACP | 184 | 242 | 58 | UP | 10 | GOOD | 2ND SERVICE 208' LT; SMH AT 242' |
| 109 | SCENIC LANE | 23-Nov-20 | SCE1 | SCE2 | PVC | 0 | 308 | 308 | DOWN | 13 | GOOD | 1ST SERVICE 23' LT; 2ND 37' RT; 3RD 136' RT; 4TH 145' LT; 5TH 254' RT; 6TH 261' LT; SMH AT 308 |
| 110 | SCENIC LANE | 23-Nov-20 | SCE3 | SCE2 | PVC | 0 | 298 | 298 | DOWN | 13 | GOOD | 1ST SERVICE 13' LT; 2ND 84' RT; 3RD 148' LT; 4TH 212' RT; SMH AT 298' |
| 111 | SCENIC LANE | 23-Nov-20 | SCE3 | SHOR8 | PVC | 0 | 256 | 256 | DOWN | 13 | GOOD | 1ST SERVICE 110' LT; 2ND 208' RT; SMH AT 256' |
| 112 | SHORELINE DR | 23-Nov-20 | SHOR1 | SHCX1 | PVC | 0 | 81 | 81 | DOWN | 13 | GOOD | NO SERVICES; SMH AT 81' |
| 113 | SHORELINE DR | 23-Nov-20 | SHOR1 | SHOR2 | PVC | 0 | 154 | 154 | DOWN | 13 | GOOD | 1ST SERVICE 115' RT; 2ND 120' LT; SMH AT 154 |
| 114 | SHORELINE DR | 23-Nov-20 | SHOR2 | SHOR2? | PVC | 0 | 183 | 183 | DOWN | 13 | GOOD | MAYBE SHOR 2 TO 3??; 1ST SERVICE 38' RT; 2ND 167' RT; SMH AT 183' |
| 115 | SHORELINE DR | 23-Nov-20 | SHOR4 | SHOR3 | PVC | 0 | 263 | 263 | DOWN | 13 | GOOD | 1ST SERVICE 27' RT; 2ND 42' LT; 3RD 154' RT; 4TH 161' LT; SMH AT 263' |
| 116 | SHORELINE DR | 23-Nov-20 | SHOR5 | SHOR5? | ?? | 0 | 129 | 129 | ?? | ?? | ?? | MAYBE SHOR5 TO 4??; VERY FOGGY LENS; CANNOT DISCERN PIPE QUALITY |
| 117 | SHORELINE DR | 23-Nov-20 | SHOR6 | SHOR5 | PVC | 0 | 289 | 289 | DOWN | 13 | GOOD | UPPER END OF SEGMENT NEEDS FLUSHING; 1ST SERVICE 7' LT; 2ND 75' LT; 3RD 186' LT; CAMERA UNDER FLUID LEVEL PAST 163'; VIDEO ENDS AT 289' |
| 118 | SHORELINE DR | 23-Nov-20 | SHOR9 | SHOR8 | | | | 0 | | | | ** SAME VIDEO CONTENT AS ABOVE: SHOR6 TO SHOR5 ??! ** |
| 119 | SUNLAND DR | 19-Nov-20 | PAT5 | SUN8 | ACP | 0 | 329 | 329 | DOWN | 13 | GOOD | 1ST SERVICE 5' RT; 2ND 95' LT; 3RD 137' RT; 4TH 273' LT; SMH AT 329' |
| 120 | SUNLAND DR | 23-Nov-20 | PLA3 | PLA2 | ACP | 0 | 310 | 310 | UP | 13 | GOOD | TOO FOGGY TO SEE UNTIL 273'; SERVICE AT 291' RT; SMH AT 310'; LEAKING COVER |
| 121 | SUNLAND DR | 19-Nov-20 | SUN1 | WEB45 | ACP | 0 | 281 | 281 | DOWN | 13 | GOOD | 1ST SERVICE 171' LT; 2ND 190' LT; DROP INTO SMH AT 281' |
| 122 | SUNLAND DR | 19-Nov-20 | SUN2 | SUN1 | ACP | 0 | 241 | 241 | DOWN | 13 | GOOD | 1ST SERVICE 27' RT; 2ND 175' CHIMNEY; SMH & INTERNAL ELEVATED DROP AT 241' |
| 123 | SUNLAND DR | 19-Nov-20 | SUN3 | SUN2-8 | ACP | 0 | 307 | 307 | UP | 13 | GOOD | NO SERVICES; SMH AT 307' |
| 124 | SUNLAND DR | 19-Nov-20 | SUN4 | SUN3 | ACP | 0 | 298 | 298 | UP | 13 | GOOD | 1ST SERVICE 280' RT; 2ND 282' LT; SMH 298' |
| 125 | SUNLAND DR | 19-Nov-20 | SUN5 | SUN4 | ACP | 0 | 290 | 290 | DOWN | 13 | GOOD | 1ST SERVICE 17' RT; 2ND 247' RT; 3RD 263' LT; HIGH FLUID LEVEL - BACK & FORTH AFTER 290; NO SMH AT VIDEO END |
| 126 | SUNLAND DR | 19-Nov-20 | SUN5 | SUN4_1 | ACP | 298 | 260 | -38 | UP | | NA | PULL-BACK OPERATION FROM PREVIOUS RUN; NO FURTHER INFORMATION FROM VIDEO |
| 127 | SUNLAND DR | 19-Nov-20 | SUN6 | SUN5 | ACP | 0 | 303 | 303 | DOWN | 13 | GOOD | 1ST SERVICE 20' RT; 2ND 199' RT; 3RD 202' LT; SMH AT 303' |
| 128 | SUNLAND DR | 19-Nov-20 | SUN7 | SUN6 | ACP | 0 | 295 | 295 | UP | 13 | GOOD | CAMERA LENS FOGGED UP UNTIL 240'; 1ST SERVICE 158' LT; 2ND 201 RT; 3rd 283' LT; SMH AT 295' |
| 129 | SUNLAND DR | 19-Nov-20 | SUN8 | SUN7 | ACP | 0 | 203 | 203 | DOWN | 13 | GOOD | VIDEO ENDS AT 203' NO SMH |
| 130 | SUNLAND DR | 19-Nov-20 | SUN8 | SUN7_1 | ACP | 0 | 313 | 313 | UP | 13 | GOOD | 1ST SERVICE 82' RT; 2ND 138' LT; 3RD 194' RT; 4TH 289' LT; SMH AT 313' |
| 131 | WESTCHESTER CT | 1-Dec-20 | BER2 | WES8 | PVC | 0 | 223 | 223 | UP | 13 | GOOD | 1ST SERVICE 43' RT; 2ND 115' RT; SMH AT 223' |
| 132 | WESTCHESTER CT | 1-Dec-20 | WES1 | LEXX2 | PVC | 0 | 105 | 105 | DOWN | 13 | GOOD | NO SERVICES; VIDEO ENDS AT DROP 105' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|-----|----------------|------------|------------------|---------|---------------|---------------|-----|-----|---------------------------------|------------|------------------|--|
| | | | | | | START | END | NET | | | | |
| 133 | WESTCHESTER CT | 1-Dec-20 | WES8 | WES7 | PVC | 0 | 141 | 141 | UP | 13 | GOOD | 1ST SERVICE 40' RT; 2ND 94' LT; 3RD 100' RT; 4TH 115' RT; TERMINAL SMH AT 141' - <i>NEEDS FLUSHING</i> |
| 134 | WESTCHESTER CT | 1-Dec-20 | WES8 | WES9 | PVC | 0 | 117 | 117 | DOWN | 13 | GOOD | 1ST SERVICE 48' LT; 2ND 53' RT (<i>APPEARS UNUSED</i>); SMH AT 117' |
| 135 | WESTCHESTER CT | 1-Dec-20 | WES9 | WES10 | PVC | 0 | 125 | 125 | DOWN | 13 | GOOD | 1ST SERVICE 6' LT; 2ND 39' RT; 3RD 50' LT; 4TH 116' LT; SMH AT 125' |
| 136 | WESTCHESTER CT | 1-Dec-20 | WES10 | WES1 | PVC | 0 | 105 | 105 | DOWN | 13 | GOOD | 1ST SERVICE 8' RT; 2ND 45' LT; SMH AT 105' |
| 137 | WEBSTER ST | 11/16/2021 | UNLABELED | | ACP | 0 | 159 | 159 | DOWN | 13 | GOOD | NO SERVICES, SMH AT 159' WITH DROP INLET (LIKELY WEB34-33) |
| 138 | WEBSTER ST | 11/16/2021 | WEB34 | WEB33 | NA | 0 | 0 | 0 | NA | | NA | ONLY VIDEO OF SMH ABOVE WITH DROP INLET |
| 139 | WEBSTER ST | 11/16/2021 | WEB35 | WEB34 | NA | | | 0 | NA | NA | NA | VIDEO CAMERA DOES NOT MOVE OUTSIDE SMH |
| 140 | WEBSTER ST | 11/16/2021 | WEB36 | WEB35 | ACP | 1 | 167 | 166 | UP | 13 | GOOD | SERVICE 128' RT; SMH AT 167' |
| 141 | WEBSTER ST | 11/16/2021 | WEB36 | WEB37 | ACP | 0 | 269 | 269 | UP | 13 | GOOD | 1ST SERVICE AT 14' RT; VIDEO ENDS AT 269' NO SMH |
| 142 | WEBSTER ST | 11/16/2021 | WEB39 | WEB38 | ACP | 0 | 279 | 279 | UP | 13 | GOOD | SERVICE AT 112' RT; 2ND AT 169' RT; 3RD AT 185' LT; SMH AT 279' |
| 143 | WEBSTER ST | 11/16/2021 | WEB39 | WEB38-1 | ACP | 0 | 300 | 300 | DOWN | 13 | GOOD | SERVICE AT 189' LT; SMH AT 300' WITH SMALLER SEWER ON RIGHT SHELF |
| 144 | WEBSTER ST | 11/16/2021 | WEB40 | WEB39-1 | ACP | 0 | 303 | 303 | UP | 13 | GOOD | VIDEO FROM ANOTHER RUN FOR 2 INITIAL 2 MINUTES; SERVICE AT 198' CHIMNEY; 2ND CHIM SERVICE AT 227'; 3RD CHIM AT 257'; SMH AT 303' |
| 145 | WEBSTER ST | 11/16/2021 | WEB41 | WEB40 | ACP | 0 | 181 | 181 | UP | 13 | GOOD | CHIM SERVICE AT 39'; SMH AT 181' |
| 146 | WEBSTER ST | 11/16/2021 | WEB41 | WEB42 | ACP | 0 | 108 | 108 | UP | 13 | GOOD | CHIM SERVICE AT 29'; VIDEO ENDS AT 108, THEN PULLED BACK; NO SMH AT END |
| 147 | WEBSTER ST | 11/17/2021 | RDF2 | RDF1 | ACP | | | | NA | | GOOD | FORWARD CAMERA VIEW IS TOO FOGGY TO SEE; LITTLE REAR VIEW SUGGESTS GOOD PIPE INTEGRITY |
| 148 | WEBSTER ST | 11/17/2021 | WEB30 | WEB29 | ACP | 0 | 141 | 141 | DOWN | 13 | GOOD | NO SERVICES; SMH AT 141' |
| 149 | WEBSTER ST | 11/17/2021 | WEB31 | WEB30 | ACP | 0 | 95 | 95 | | | ?? | MOST OF VIDEO IS TOO FOGGY TO SEE; CHIM SERVICE AT 23'; SMH AT 95' |
| 150 | WEBSTER ST | 11/17/2021 | WEB31 | WEB30_1 | ACP | 0 | 136 | 136 | | | ?? | FOGGY BUT VIEWABLE VIDEO; VIDEO ENDS AT 136' WITH "CAN'T PLAY" ERROR |
| 151 | WEBSTER ST | 11/17/2021 | WEB31 | WEB30_2 | ?? | 0 | 235 | 235 | | | ?? | FOGGY BUT VIEWABLE VIDEO; PASSES THRU SMH AT 93'; SMH AT 205'; 3RD SMH AT 235 |
| 152 | WEBSTER ST | 11/17/2021 | WEB31 | WEB32 | ?? | 0 | 30 | 30 | | | ?? | CAMERA TRACTOR WHEELS CONTINUED TO SLIP |
| 153 | WEBSTER ST | 11/17/2021 | WEB32 | WEB31 | ACP | 0 | 110 | 110 | ?? | 13 | ?? | FOGGY BUT VIEWABLE VIDEO; SMH AT 110' |
| 154 | WEBSTER ST | 11/17/2021 | WEB32 | WEB31_1 | ACP | 0 | 159 | 159 | DOWN | 13 | GOOD | MAJOR SERVICE AT 20' RT; CAMERA UNDER FLUID LEVEL FROM 22'-65'; SMH W/ DROP INFLUENT SEER AT 159' |
| 155 | WEBSTER ST | 11/17/2021 | WEB32 | WEB31_2 | ACP | 0 | 265 | 265 | DOWN | 13 | GOOD | 1ST SERVICE AT 251' RT; TRACTOR WHEELS LOST TRACTION AT 265'; NO SMH AT VIDEO END |
| 156 | WEBSTER ST | 11/17/2021 | WEB34 | WEB33 | ACP | 0 | 296 | 296 | UP | 13 | GOOD | FOGGY VIDEO; CHIMNEY SERVICE AT 225'; SMH AT 296'; MUCH BETTER VIDEO ON PULL-BACK |
| 157 | ELM AVE | 11/18/2021 | ELM2 | ELM1 | ACP | 0 | 268 | 268 | DOWN | 13 | GOOD | SERVICE AT 251' LT; SMH W/ DROP INFLUENT AT 268'; |
| 158 | ELM AVE | 11/18/2021 | ELM3 | ELM2 | ACP | 0 | 118 | 118 | ?? | | ?? | FOGGY VIDEO; FLUID AT CAMERA LENS HGT.; SMH AT 118' |
| 159 | ELM AVE | 11/18/2021 | ELM4 | ELM3 | ACP | 0 | 194 | 194 | ?? | | ?? | FOGGY VIDEO; FLUID AT CAMERA LENS HGT.; SMH AT 194' |
| 160 | ELM AVE | 11/18/2021 | ELM5 | ELM4 | ACP | 0 | 182 | 182 | up | | ?? | FOGGY VIDEO; FLUID AT CAMERA LENS HGT.; SMH AT 182' |
| 161 | ELM AVE | 11/18/2021 | ELM6 | ELM5 | ACP | 0 | 242 | 242 | ?? | | ?? | VERY FOGGY VIDEO; VIDEO ENDS AT 242'; NO SMH AT VIDEO END |
| 162 | ELM AVE | 11/18/2021 | ELM6 | ELM5_1 | ACP | 0 | 298 | 298 | ?? | 13 | ?? | VERY FOGGY VIDEO; CHIM SERVICE AT 161'; SMH AT 298' |
| 163 | ELM AVE | 11/22/2021 | DE26 | ELM10 | ACP | 0 | 90 | 90 | DOWN | 13 | GOOD | SMH AT 90' WITH INTERIOR SERVICE ON LT |
| 164 | ELM AVE | 11/22/2021 | ELM7 | ELM6 | ACP | 0 | 128 | 128 | DOWN | 13 | FAIR | SERVICE AT 4' LT; SMH AT 128' WITH ROOT INTRUSION THRU SEGMENTAL CONCRETE BLOCKS ; PULL-BACK READS -725 ?!! |
| 165 | ELM AVE | 11/22/2021 | ELM8 | ELM7 | ACP | 0 | 152 | 152 | DOWN | 13 | POSS. BAD JOINTS | FLUID FLOWING FAST; POSSIBLE INVERT OBSTRUCTION / VOID AT 28', 41', 120'; PROFILE OF LAST PIPE SECTION DIPS; SMH AT 152' |
| 166 | ELM AVE | 11/22/2021 | ELM9 | ELM8 | ACP | 0 | 311 | 311 | DOWN | 13 | GOOD | ALIGNMENT TURNS IN FIRST PIPE SEGMENT- ODD; SLOPE DIPS SLIGHTLY AT 161' AND 187'; SMH AT 311' WITH INTERNAL DROP |
| 167 | ELM AVE | 11/22/2021 | ELM10 | ELM9 | ACP | 0 | 182 | 182 | DOWN | 13 | GOOD | SERVICE AT 152' LT; SMH AT 182' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|-----|---------------|------------|------------------|--------|---------------|---------------|-----|-----|---------------------------------|------------|----------------|--|
| | | | | | | START | END | NET | | | | |
| 168 | CAMPBELLO ST | 11/29/2021 | UNLABELED | | PVC | 0 | 294 | 294 | UP | 13 | GOOD | SERVICE AT 53' LT; 2ND AT 68' RT; 3RD 203' LT; 4TH AT 221 RT; 5TH AT 264' LT; 6TH AT 268' RT; SMH AT 294' - NEEDS FLUSHING |
| 169 | CAMPBELLO ST | 11/29/2021 | CAM1 | CAM2 | PVC | 0 | 282 | 282 | UP | 13 | GOOD | SMH AT 282' |
| 170 | CAMPBELLO ST | 11/29/2021 | CAM2 | CAM3 | PVC | 0 | 164 | 164 | DOWN | 13 | GOOD | SMH AT 164' |
| 171 | CAMPBELLO ST | 11/29/2021 | CAM2 | GF4 | PVC | 0 | 246 | 246 | ?? | 13 | GOOD | FOGGY VIDEO; SMH AT 246' |
| 172 | CAMPBELLO ST | 11/29/2021 | CAM3 | CAM4 | PVC | 0 | 228 | 228 | DOWN | 13 | GOOD | SMH AT 228' |
| 173 | CAMPBELLO ST | 11/30/2021 | CAM4 | CAM5 | ACP | 0 | 45 | 45 | UP | 13 | GOOD | SMH AT 45' |
| 174 | CAMPBELLO ST | 11/30/2021 | CAM5 | FED6 | ACP | 0 | 157 | 157 | DOWN | 13 | GOOD | SMH AT 157' |
| 175 | CAMPBELLO ST | 11/30/2021 | CAM6 | CAM5 | ACP | 1 | 234 | 233 | UP | 13 | GOOD | SERVICE AT 227' WITH GREASE BUILDUP; SMH AT 234' |
| 176 | CAMPBELLO ST | 12/7/2021 | CAM7 | MER1 | ACP | 0 | 367 | 367 | DOWN | 13 | GOOD | SMH AT 367' |
| 177 | CAMPBELLO ST | 12/7/2021 | CAM8 | CAM7 | ACP | 0 | 8 | 8 | DOWN | | NA | FALSE START |
| 178 | CAMPBELLO ST | 12/7/2021 | CAM8 | CAM7_1 | ACP | 0 | 121 | 121 | DOWN | 13 | GOOD | SMH AT 121' |
| 179 | CAMPBELLO ST | 12/7/2021 | CAM9 | CAM8 | ACP | 0 | 244 | 244 | DOWN | 13 | GOOD | SMH AT 244' |
| 180 | CAMPBELLO ST | 12/6/2021 | CAM11 | TO5 | PVC | 0 | 9 | 9 | ?? | | ?? | CAMERA CAN'T PROGRESS PAST SOLIDS BUILDUP' LINE NEEDS FLUSHING |
| 181 | CAMPBELLO ST | 12/6/2021 | CAM12 | CAM11 | PVC | 0 | 275 | 275 | DOWN | 13 | GOOD | SMH AT 275' |
| 182 | FEDERAL ST | 11/30/2021 | FED1 | WEB22 | ACP | 1 | 115 | 114 | DOWN | 13 | GOOD | CAN SEE SMH ABOUT 15' AHEAD OF VIDEO END, BUT DIDN'T PROGRESS INTO SMH |
| 183 | FEDERAL ST | 11/29/2021 | FED3 | FED2 | ACP | 0 | 179 | 179 | ?? | 13 | GOOD | SMH AT 179'; LOW FLOW |
| 184 | FEDERAL ST | 11/29/2021 | FED4 | FED3 | ACP | 0 | 139 | 139 | ?? | 13 | GOOD | NO SMH AT VIDEO END |
| 185 | FEDERAL ST | 11/29/2021 | FED5 | FED4 | ACP | 0 | 188 | 188 | ?? | 13 | GOOD | PVC SECTION WITH SERVICE REPLACED FROM 102-105' ; SMH AT 188' |
| 186 | GARRISON FARM | 11/29/2021 | GF1 | WEB24 | PVC | 0 | 105 | 105 | ?? | 13 | GOOD | LOW FLOW; SMH AT 105' |
| 187 | GARRISON FARM | 11/29/2021 | GF2 | GF1 | NA | | | 0 | | | NA | VIDEO DOESN'T LEAVE SMH |
| 188 | GARRISON FARM | 11/29/2021 | GF3 | GF4 | PVC | 0 | 226 | 226 | | 13 | GOOD | VIDEO ENDS AT TERMINAL SMH |
| 189 | MERRIMACK ST | 11/30/2021 | MER1 | CAM6 | ACP | 0 | 32 | 32 | DOWN | 13 | GOOD | CAMERA TRACTOR COULDN'T PROGRESS PAST 32' |
| 190 | MERRIMACK ST | 12/2/2021 | MER2 | MER1 | ACP | 0 | 226 | 226 | DOWN | 13 | GOOD | VIDEO ENDS AT DROP INTO SMH AT 226 |
| 191 | MERRIMACK ST | 12/2/2021 | MER3 | MER2 | ACP | 0 | 330 | 330 | UP | 13 | NOTE | PVC PIPE WITH SERVICE INSERTED FROM 208-212' ; GAP APPEARS ON LEADING EDGE - NO INFLOW NOTED, BUT LOOKS SUSPECT; SMH AT 330' |
| 192 | MERRIMACK ST | 12/2/2021 | MER4 | MER3 | ACP | 0 | 359 | 359 | UP | 13 | GOOD | WIDE JOINT REVEAL; CAMERA STOPPED AT FIRST JOINT AT 42'; TERMINAL UPSTREAM SMH AT 359' - NEEDS FLUSHING |
| 193 | TOLLES ST | 12/2/2021 | TO1 | TO2 | ACP | 0 | 167 | 167 | UP | 13 | GOOD | WIDE JOINT REVEAL; CAMERA TRACTOR STOPPED BY SOLIDS; NO SMH AT END |
| 194 | TOLLES ST | 12/2/2021 | TO2 | TO3 | ACP | 0 | 196 | 196 | DOWN | 13 | GOOD | SMH AT 196'; NO SERVICES |
| 195 | TOLLES ST | 12/2/2021 | TO3 | TO4 | ACP | 0 | 232 | 232 | DOWN | 13 | NOTE | PVC PIPE INSERT WITH SERVICE 163-165' - GAP ON LEADING EDGE - NO INFLOW NOTED; SMH AT 232 |
| 196 | TOLLES ST | 12/7/2021 | TO4 | TO5 | ACP | 0 | 241 | 241 | UP | 13 | GOOD | SMH AT 241' |
| 197 | TOLLES ST | 12/7/2021 | TO5 | CAM9 | ACP | 0 | 270 | 270 | UP | 13 | GOOD | SMH AT 270' |
| 198 | KENYON ST | 12/6/2021 | KEN1 | CAM8 | ACP | 0 | 211 | 211 | DOWN | 13 | GOOD | INLET TO SMH DROP AT 211' |
| 199 | KENYON ST | 12/6/2021 | KEN2 | KEN1 | ACP | 0 | 243 | 243 | DOWN | 13 | GOOD | SMH AT 243' |
| 200 | KENYON ST | 12/6/2021 | KEN3 | KEN2 | ACP | 0 | 288 | 288 | ?? | 13 | GOOD | BLOCKAGE AT 288, BUT CAN SEE SMH ABOUT 295' |
| 201 | GAMBIA ST | 12/7/2021 | GA1 | CAM9 | ACP | 0 | 194 | 194 | DOWN | 13 | GOOD | SMH AT 194' |
| 202 | GAMBIA ST | 12/7/2021 | GA2 | GA1 | ACP | 0 | 236 | 236 | DOWN | 13 | GOOD | SMH AT 236' |
| 203 | GAMBIA ST | 12/7/2021 | GA3 | GA1 | PVC | 0 | 69 | 69 | UP | 13 | GOOD | BLOCKAGE AT 69' - NEEDS FLUSHING; SMH APPEARS TO BE ABOUT 75' |
| 204 | WENDE DRIVE | 12/7/2021 | WEN2 | WEN1 | PVC | 0 | | 0 | | | | FALSE START |
| 205 | WENDE DRIVE | 12/7/2021 | WEN2 | WEN3 | PVC | 0 | 146 | 146 | UP | 13 | GOOD | FOGGY VIDEO; SMH AT 146' |
| 206 | WENDE DRIVE | 12/7/2021 | WEN3 | CAM1 | PVC | 0 | 111 | 111 | ?? | 13 | ?? | FOGGY VIDEO, SMH AT 111' |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS-FT | PIPE INTEGRITY | NOTES |
|-------------------------|-------------------|------------|------------------|---------|---------------|---------------|------|-----------|---------------------------------|-----------|----------------|---|
| | | | | | | START | END | NET | | | | |
| 207 | WICKFORD LANE | 12/9/2021 | WCK1 | WEY6 | PVC | 0 | 213 | 213 | DOWN | 13 | GOOD | SMH AT 213' |
| 208 | WICKFORD LANE | 12/9/2021 | WCK2 | WCK1 | PVC | 0 | 122 | 122 | UP | 13 | GOOD | SMH AT 122' ; BLOCKAGE IN SMH |
| 209 | WEYMOUTH CT | 12/7/2021 | WEY2 | WEY1 | PVC | 0 | 300 | 300 | DOWN | 13 | GOOD | FOGGY VIDEO, SMH AT 300' |
| 210 | WEYMOUTH CT | 12/7/2021 | WEY3 | WEY2 | PVC | 0 | 147 | 147 | ?? | 13 | GOOD | FOGGY VIDEO, SMH AT 147' |
| 211 | WEYMOUTH CT | 12/7/2021 | WEY4 | WEY3 | NA | | | 0 | NA | | NA | FALSE START |
| 212 | WEYMOUTH CT | 12/9/2021 | WEY1 | WEY2 | PVC | 0 | 302 | 302 | DOWN | 13 | GOOD | SMH AT 302' |
| 213 | WEYMOUTH CT | 12/9/2021 | WEY2? | WEY1? | PVC | 0 | 212 | 212 | DOWN | 13 | GOOD | SMH AT 212'; THIS VIDEO IS NOT REVERSE DIRECTION OF ABOVE |
| 214 | WEYMOUTH CT | 12/9/2021 | WEY3 | WEY2-25 | PVC | 0 | 143 | 143 | UP | 13 | GOOD | SMH AT 143' |
| 215 | WEYMOUTH CT | 12/9/2021 | WEY4 | WEY3 | PVC | 0 | 230 | 230 | DOWN | 13 | GOOD | SMH AT 230' |
| 216 | WEYMOUTH CT | 12/9/2021 | WEY5 | WEY4 | PVC | 0 | 60 | 60 | DOWN | 13 | GOOD | SMH AT 60' |
| 217 | WEYMOUTH CT | 12/9/2021 | WEY6 | WEY5 | PVC | 0 | 150 | 150 | DOWN | 13 | GOOD | SMH AT 150' |
| 218 | CRICKETFIELD LANE | 12/14/2021 | CFD3 | CFD2 | PVC | | | 0 | | | NA | VIDEO FORWARD PROGRESS NOT CLEAR |
| 219 | CRICKETFIELD LANE | 12/14/2021 | CFD4 | CFD5 | PVC | 0 | 276 | 276 | UP | 13 | GOOD | SMH AT 276' |
| 220 | CRICKETFIELD LANE | 12/14/2021 | CFD5 | LYB3 | PVC | 0 | 65 | 65 | UP | 13 | GOOD | SMH AT 65' |
| 221 | LAYBRIDGE DR | 12/14/2021 | LYB2 | LYB1 | PVC | 0 | 130 | 130 | DOWN | 13 | GOOD | SMH AT 130' |
| 222 | LAYBRIDGE DR | 12/14/2021 | LYB3 | LYB2 | PVC | 0 | 251 | 251 | DOWN | 13 | GOOD | SMH AT 251' |
| 223 | LAYBRIDGE DR | 12/14/2021 | LYB5 | LYB4 | PVC | 0 | 151 | 151 | UP | 13 | GOOD | TERMINAL SMH AT 151' - <u>NEEDS CLEANING</u> |
| 224 | TAUNTON LANE | 12/14/2021 | TUT1 | LYB3 | PVC | 0 | 178 | 178 | UP | 13 | GOOD | CAMERA TRACTOR CAN'T PULL ANY MORE CABLE; VIDEO ENDS BEFORE SMH |
| 225 | ?? | 12/16/2021 | UNLABELED | | PVC | 0 | 92 | 92 | UP | 13 | GOOD | SMH AT 92' |
| 226 | BRACKETT LANE | 12/16/2021 | BKT1 | BKTX1 | PVC | 0 | 68 | 68 | DOWN | 13 | GOOD | SMH AT 68' |
| 227 | BRACKETT LANE | 12/16/2021 | BKT2 | BKT1 | PVC | 0 | 98 | 98 | DOWN | 13 | GOOD | SMH AT 98' |
| 228 | BRACKETT LANE | 12/16/2021 | BKT3 | BKT2 | PVC | 0 | 135 | 135 | UP | 13 | GOOD | SMH AT 135' |
| 229 | BRACKETT LANE | 12/16/2021 | BKTX1 | WEB27 | PVC | 0 | 96 | 96 | UP | 13 | GOOD | SMH AT 96' |
| 230 | ?? | 12/16/2021 | CFD1 | CFD2 | PVC | 0 | 93 | 93 | UP | 13 | GOOD | SMH AT 93' |
| 231 | ?? | 12/16/2021 | CFD1 | LYB1 | PVC | 0 | 276 | 276 | DOWN | 13 | GOOD | SMH AT 276' |
| 232 | DOVETON LANE | 12/16/2021 | DVT2 | DVT1 | PVC | 0 | 12 | 12 | | | NA | CAMERA TRACTOR UNABLE TO PROCEED PAST 12' |
| 233 | DOVETON LANE | 12/16/2021 | DVT2 | DVT1_1 | PVC | 0 | 97 | 97 | UP | 13 | GOOD | SMH AT 97' |
| 234 | DOVETON LANE | 12/16/2021 | DVT3 | DVT2 | PVC | 0 | 154 | 154 | DOWN | 13 | GOOD | SMH AT 154' |
| 235 | DOVETON LANE | 12/16/2021 | LYB1 | DVT3 | PVC | 0 | 200 | 200 | DOWN | 13 | GOOD | SMH AT 200' |
| 236 | WEBSTER ST | 10/26/2021 | WEB44 | WEB43 | ACP | 0 | 123 | 123 | DOWN | 13 | GOOD | FOGGY LENS; HIGH FLUID LEVEL; VIDEO ENDS BEFORE SMH |
| 237 | WEBSTER ST | 10/26/2021 | WEB44 | WEB45 | ACP | 0 | 250 | 250 | UP | 13 | ?? | CAMERA SUBMERGED EARLY IN VIDEO; HIGH FLUID LEVEL; VIDEO ENDS BEFORE SMH |
| 238 | WEBSTER ST | 10/26/2021 | WEB45 | WEB44 | ACP | 0 | 29 | 29 | DOWN | | ?? | FLUID HIGHER THAN CAMERA LENS; VIDEO ENDS BEFORE SMH |
| 239 | WEBSTER ST | 10/26/2021 | WEB46 | WEB45 | ACP | 0 | 231 | 231 | DOWN | 13 | GOOD | SMH AT 231' |
| 240 | WEBSTER ST | 10/26/2021 | WEB46 | WEB48 | ACP | 17 | 622 | 605 | UP | 13 | GOOD | SMH AT 264'; 2ND SMH AT 565'; VIDEO ENDS AT 622' NO THIRD SMH |
| 241 | WEBSTER ST | 10/26/2021 | WEB50 | WEB47 | ACP | 0 | | 0 | DOWN | 13 | POOR | SMH AT 173'; CHIPPED JOINT AT 203'; POSSIBLE LEAKING SERVICE AT 225'; LEAKING JOINT AT 320'; SMH AT 379'; VIDEO ENDS AT 570' NO 3RD SMH |
| 242 | WEBSTER ST | 10/26/2021 | WEB50 | WEB47_1 | ACP | 570 | 556 | -14 | | | NA | PARTIAL PULL-BACK OF ABOVE VIDEO |
| 243 | WEBSTER ST | 10/26/2021 | WEB53 | WEB51 | ACP | 0 | 335 | 335 | DOWN | 13 | GOOD | SMH AT 197'; VIDEO ENDS AT 335' - NO 2ND SMH |
| 244 | WEBSTER ST | 10/26/2021 | WEB54 | WEB50 | ACP | 0 | 1890 | 1890 | UP | 13 | GOOD | SLIGHTLY FOGGY VIDEO; SMH AT 118'; BLOCKAGE AT 189' |
| NET TOTAL LF VIDEOTAPED | | | | | | | | 45,342.40 | | | | |
| WEBSTER TOTAL LF | | | | | | | | 7109 | | | | |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN / UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|------------------------------|------------------|--|------------------|---------|---------------|---------------|-----|-----|---------------------------------|------------|----------------|--|
| | | | | | | START | END | NET | | | | |
| | GOOD | COMMENTS | | | | | | | | | | |
| | FAIR | WEBSTER ST. VIDEOS WERE SUBMERGED. NEED TALLER TRACTOR | | | | | | | | | | |
| | POOR | SEE NOTES BELOW | | | | | | | | | | |
| ***** JUNE 2022 REVIEW ***** | | | | | | | | | | | | |
| 245 | DAW ST | 5/4/22 | BAK1 | DAW2 | PVC | 3 | 331 | 328 | DS | 13 | GOOD | 1ST SERVICE AT 134' RT; 2ND AT 225' LT; SEVERAL JOINTS HAVE WIDE SPACE, BUT NO EVIDENT INFLOW; SMH AT 331' |
| 246 | DAW ST | 5/4/22 | DAW2 | DAW1 | PVC | 0 | 158 | 158 | DS | 13 | GOOD | INITIAL 4' SECTION NOT IN ALIGNMENT; 1ST SERVICE 4' LEFT |
| 247 | WEBSTER ST | 3/21/22 | WEB5 | WEB4 | AC | 0 | 0 | 0 | DS | NA | NA | NO EFFECTIVE MOVEMENT |
| 248 | WEBSTER ST | 3/21/22 | WEB39 | WEB38 | AC | 0 | 278 | 278 | UP | 13 | GOOD | 1ST SERVICE 114' RT; 2ND AT 170' RT; 3RD 187' LT; SMH AT 278' (THIS OPERATOR STOPS AT SERVICES) 1ST SERVICE AT 202' ON CROWN, NOT CLEAR WHICH SIDE; 2ND AT 231' ALSO NOT CLEAR; 3RD AT 261' ALSO NOT CLEAR; SMH AT 304' |
| 249 | WEBSTER ST | 3/21/22 | WEB40 | WEB39 | AC | 0 | 304 | 304 | UP | 13 | GOOD | 1ST SERVICE AT 44' IS CROWN CHIMNEY; SMH AT 183' |
| 250 | WEBSTER ST | 3/21/22 | WEB41 | WEB40 | AC | 0 | 183 | 183 | UP | 13 | GOOD | 1ST SERVICE AT 102' - CHIMNEY; DIP IN PROFILE AT 206' & 226' MAY BE DUE TO HOLE/ PROTRUDING ROCKS IN INVERT??; SMH AT 264' |
| 251 | WEBSTER ST | 3/21/22 | WEB43 | WEB42 | AC | 0 | 264 | 264 | DS | 13 | ODD | ** NOT A CONTINUATION - WRONG SMH?? ** 1ST SERVICE AT 48' - CHIMNEY, OBSTRUCTION OR POSSIBLE INVERT HOLE AT 234'; 2ND SERVICE AT 246' - CHIMNEY & DRY; POSSIBLE CRACKED INVERT AT 272'; SMH AT 278' |
| 252 | WEBSTER ST | 3/21/22 | WEB43 | WEB42_1 | AC | 0 | 278 | 278 | DS | 13 | ODD | 1ST SERVICE AT 53' LEFT; 2ND AT 163' CHIMNEY; SMH AT 299' WITH DROP |
| 253 | WEBSTER ST | 3/21/22 | WEB44 | WEB43 | AC | 0 | 299 | 299 | DS | 13 | GOOD | 1ST SERVICE 78' RT; ROCK ROLLING AT 253'; SMH AT 285' WITH MAJORITY OF FLOW FROM EXTERIOR DROP SEWER |
| 254 | WEBSTER ST | 3/21/22 | WEB45 | WEB44 | AC | 0 | 285 | 285 | UP | 13 | GOOD | SMH AT 158' WITH SHORT INTERNAL DROP; NO SERVICES; 2ND VIDEO PROCEEDS UPSTREAM; SMH AT Q57' WITH 2 INFLUENT SEWERS |
| 255 | BIRCH ST | 3/22/2022 | BI-1 | BI-2 | AC | 0 | 158 | 158 | DS | 13 | GOOD | JUST PARTIAL PULL-BACK ON VIDEO; NO USEFUL DATA |
| 256 | BIRCH ST | 3/22/2022 | BI-1 | BI-2_1 | AC | 34 | 6 | -28 | DS | 13 | GOOD | NO USEFUL DATA ON VIDEO |
| 257 | BIRCH ST | 3/22/2022 | BI-2 | WX7 | ?? | 0 | 22 | 22 | ?? | | ?? | 1ST SERVICE - CAPPED AT 87' RT; SMH AT 130' - VIDEO CONTINUES THRU SMH; SERVICE AT 175' LT; 2ND SERVICE AT 191' RT; 2ND SMH AT 258' - MAJOR GREASE BUILDUP; INTERIOR DROP LACKS CHANNEL |
| 258 | LOWELL ROAD | 3/22/2022 | LO9 | LO7 | AC | 0 | 258 | 258 | UP | 13 | GOOD | EXTENSIVE GREASE BUILDUP; 1ST SERVICE 171 RT; SMH AT 181; SERVICE AT 278' RT; 2ND SMH AT 387' WITH SERVICE ENTERING LT; SERVICE AT 511' CHIMNEY; 3RD SMH AT 542 WITH DROP SERVICE ON RT; CHIM SERVICE AT 629'; 4TH SMH AT 700' WITH SERVICE ENTERING LEFT; PULL-BACK TO 10' |
| 259 | LOWELL ROAD | 3/22/2022 | LO14 | LO13 | AC | 10 | 700 | 690 | DS | 13 | GOOD | SMH AT 274' WITH SERVICES ON BOTH SIDES, FALLEN BRICK ON LEFT; PULL-BACK TO SEE SERVICE 215' LT; APPARENTLY CREW PULLS CAMERA TO RE-ENTER SEWER IN DS DIRECTION?!; 1ST SERVICE AT 54' LT; SMH AT 123' WITH SERVICE ON LT DISCHARGING GREEN DETERGENT; SERVICE AT 238' LT; SMH AT 294'; |
| 260 | LOWELL ROAD | 3/22/2022 | LO64 | LO63 | AC | 0 | 274 | 274 | DS | 13 | GOOD | 1ST SERVICE AT 27' RT; SMH AT 253' |
| 261 | SAGAMORE PARK DR | 3/22/2022 | SAG2 | SAG3 | CLAY | 0 | 253 | 253 | DS | 5 | GOOD | 1ST CHIMNEY SERVICE AT 13'; 2ND AT 48'; 3RD AT 90'; GREASE AT 221'; SMH AT 251' |
| 262 | WEBSTER ST | 3/22/2022 | WEB48 | WEB47 | AC | 0 | 251 | 251 | DS | 13 | GOOD | 1ST CHIMNEY SERVICE AT 120'; SMH AT 297' |
| 263 | WEBSTER ST | 3/22/2022 | WEB49 | WEB48 | AC | 1 | 297 | 296 | UP | 13 | GOOD | |

| # | STREET | DATE | SMH: START & END | | PIPE MATERIAL | VIDEO FOOTAGE | | | DOWN/ UPSTREAM VIDEO DIRECTION | JOINTS- FT | PIPE INTEGRITY | NOTES |
|-----|------------|-----------|------------------|---------|---------------|---------------|-----|-----|---|---------------|-------------------|---|
| | | | | | | START | END | NET | | | | |
| 264 | WEBSTER ST | 3/22/2022 | WEB50 | WEB49 | AC | 0 | 206 | 206 | UP | 13 | POOR | GREASE AT HIGH-FLOWLINE SUGGESTS PIPE FLOWS ALMOST FULL - FROM FARMINGTON DR FORCE-MAIN??, BUT ONLY 30% DEPTH AT TIME OF VIDEO; SIGNIFICANT LEAKING PIPE JOINT AT 57'; 1ST SERVICE AT 153 RT; SMH AT 206' |
| 265 | WEBSTER ST | 3/22/2022 | WEB51 | WEB50 | NA | 0 | -2 | -2 | UP | | NA | CAMERA DOESN'T MAKE PROGRESS - NO USEFUL VIDEO |
| 266 | WEBSTER ST | 3/22/2022 | WEB51 | WEB50_1 | NA | 0 | 0 | 0 | NA | | NA | CAMERA DOESN'T MAKE PROGRESS - NO USEFUL VIDEO |
| 267 | WEBSTER ST | 3/22/2022 | WEB51 | WEB50_2 | AC | 0 | 118 | 118 | DS | 13 | GOOD | TRACTOR JAMBED BY ROCK AT 26'; 1ST CHIMNEY SERVICE AT 93'; SMH AT 118'; PULL-BACK PAST ZERO SMH INTO NEGATIVE(-) FOOTAGE; CHIMNEY SERVICE AT -72'; SERVICE AT -165' LT; SERVICE AT -179 RT; SMH AT -211; LAUNCHING SMH AT -411' |
| 268 | WEBSTER ST | 3/22/2022 | WEB52 | WEB51 | AC | 0 | 213 | 213 | DS | 13 | GOOD | 1ST SERVICE AT 32' RT; 2ND AT 47' LT; CHIMNEY AT 142'; SMH AT 213' WITH SERVICE ON LEFT |
| 269 | WEBSTER ST | 3/22/2022 | WEB53 | WEB52 | AC | 0 | 202 | 202 | DS | 13 | GOOD | 1ST SERVICE AT 61' RT; 2ND AT 89' LT; 3RD AT 158 RT; SMH AT 202' |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |