

## PACP Report with Pipe Run and Incident Snapshots

|                                                                        |                                           |                                  |                                     |                                        |                    |                                     |
|------------------------------------------------------------------------|-------------------------------------------|----------------------------------|-------------------------------------|----------------------------------------|--------------------|-------------------------------------|
| Surveyed by:<br><b>Mike Brooks</b>                                     | Certificate number:<br><b>Mike Brooks</b> | Owner:                           | Customer:                           | Drainage area:                         | P/O number:        | Sheet number:                       |
| Pipe segment ref.:<br><b>SMH061_SMH054A</b>                            | Start date/time:<br><b>20220322 12:23</b> | Street:<br><b>S MILTON ST</b>    |                                     | City:<br><b>SMITHVILLE</b>             |                    |                                     |
| Location details:<br><b>STREET</b>                                     |                                           | Upstream MH No:<br><b>SMH061</b> | Rim to invert:                      | Grade to invert:                       | Rim to grade:      |                                     |
| Pipe use:<br><b>SS</b>                                                 | Direction:<br><b>D</b>                    | Flow control:                    | Downstream MH No:<br><b>SMH054A</b> | Rim to invert:                         | Grade to invert:   | Rim to grade:                       |
| Height:<br><b>8 in.</b>                                                | Width:                                    | Shape:<br><b>C</b>               | Material:<br><b>VCP</b>             | Lining method:                         | Pipe joint length: | Total length:<br><b>282.600 ft.</b> |
| Media label:                                                           | PreCleaning:<br><b>L</b>                  | Date cleaned:                    | Weather:<br><b>1</b>                | Length surveyed:<br><b>282.600 ft.</b> | Purpose:           | Sewer category:                     |
| Project name:<br><b>Sewer Cleaning &amp; CCTV - Project No. 210670</b> | Additional info:                          |                                  |                                     |                                        |                    |                                     |

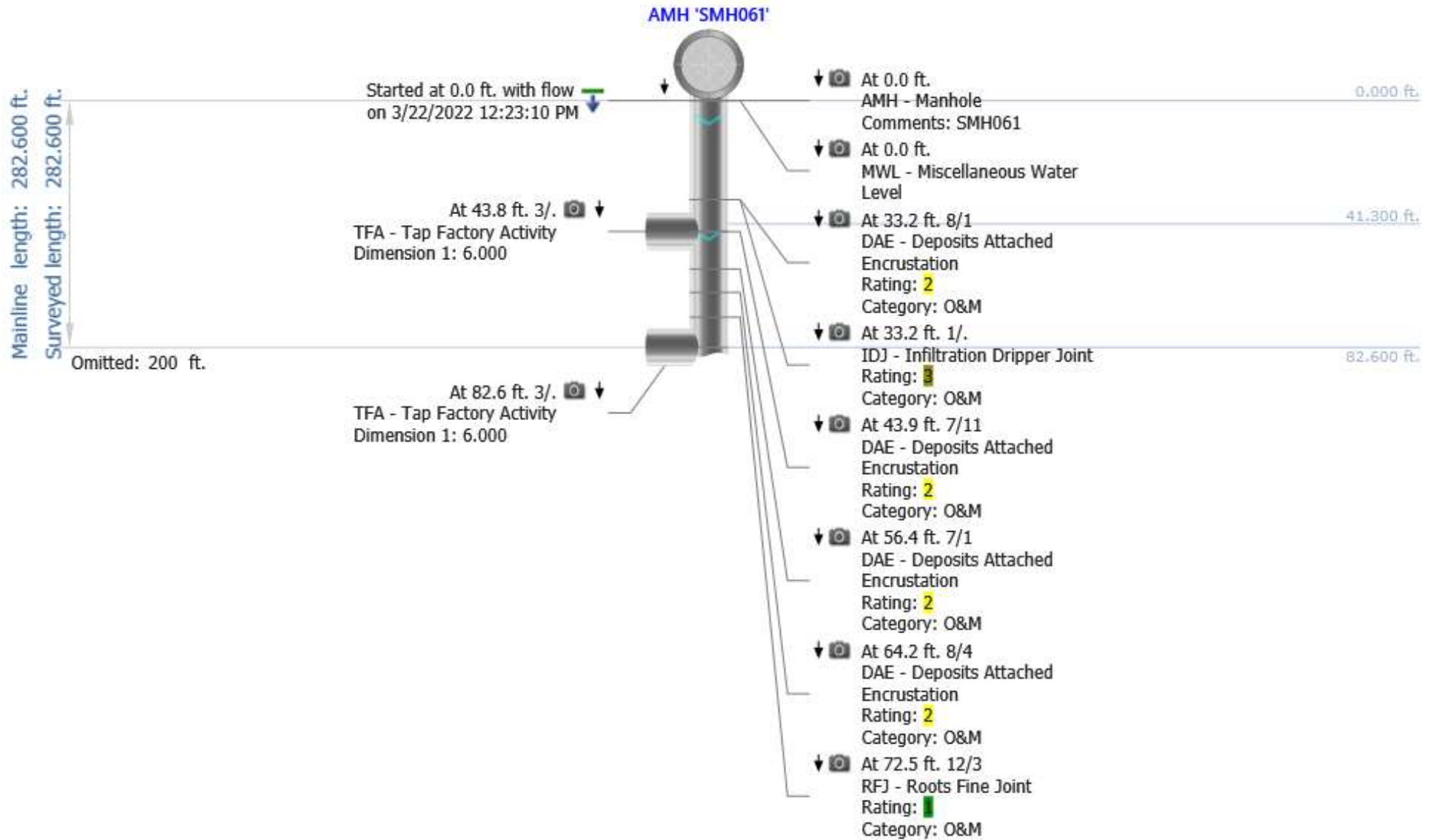
| Grade | Structural:       |               |             |              |                   | O&M:              |               |             |              |                   | Overall:    |                   |
|-------|-------------------|---------------|-------------|--------------|-------------------|-------------------|---------------|-------------|--------------|-------------------|-------------|-------------------|
|       | Amount of Defects | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Amount of Defects | Segment Grade | Pipe Rating | Quick Rating | Pipe Rating Index | Pipe Rating | Pipe Rating Index |
| 1     | 1                 | 1             | 20          | 4331         | 2.9               | 2                 | 2             | 33          | 4231         | 2.2               | 53          | 2.4               |
| 2     | 2                 | 4             |             |              |                   | 10                | 20            |             |              |                   |             |                   |
| 3     | 1                 | 3             |             |              |                   | 1                 | 3             |             |              |                   |             |                   |
| 4     | 3                 | 12            |             |              |                   | 2                 | 8             |             |              |                   |             |                   |
| 5     | 0                 | 0             |             |              |                   | 0                 | 0             |             |              |                   |             |                   |

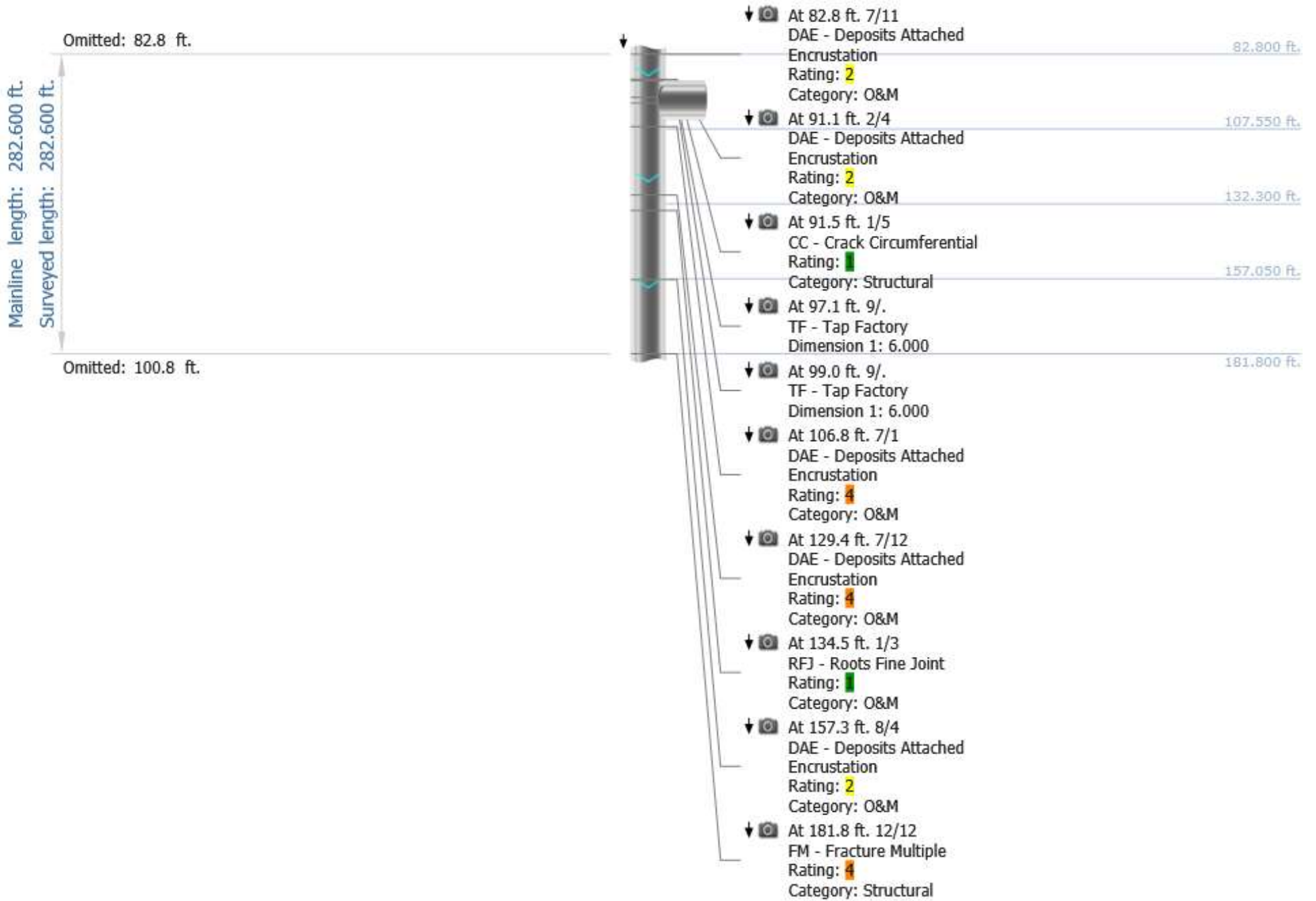
## Observations

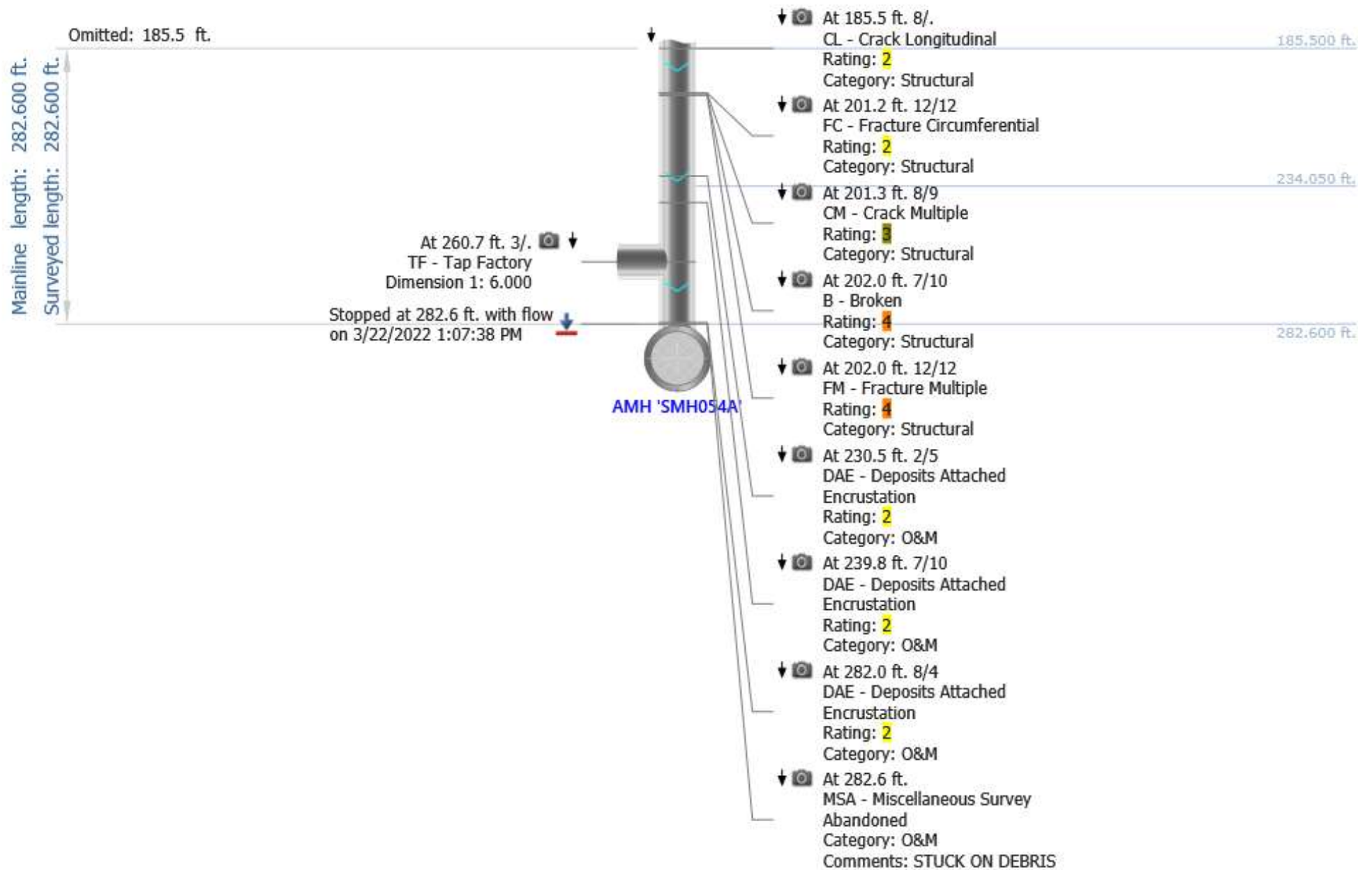
| Distance | Video Ref. | PACP Code | Continuous | S/M/L | Value Inches (mm) |     | % | Joint                               | Circumferential Location |    | Rating | Image Ref.                         | Remarks |
|----------|------------|-----------|------------|-------|-------------------|-----|---|-------------------------------------|--------------------------|----|--------|------------------------------------|---------|
|          |            |           |            |       | 1st               | 2nd |   |                                     | At/From                  | To |        |                                    |         |
| 0.0 ft.  |            | AMH       |            |       |                   |     |   | <input type="checkbox"/>            | /                        |    |        | SMH061_SMH054A_A<br>MH_0.0 ft.JPG  | SMH061  |
| 0.0 ft.  |            | MWL       |            |       |                   |     | 5 | <input type="checkbox"/>            | /                        |    |        | SMH061_SMH054A_M<br>WL_0.0 ft.JPG  |         |
| 33.2 ft. | 00:02:14   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 8 / 1                    |    | 2      | SMH061_SMH054A_D<br>AE_33.2 ft.JPG |         |
| 33.2 ft. | 00:02:31   | IDJ       |            |       |                   |     |   | <input checked="" type="checkbox"/> | 1 /                      |    | 3      | SMH061_SMH054A_I<br>DJ_33.2 ft.JPG |         |
| 43.8 ft. | 00:03:09   | TFA       |            |       | 6.000             |     |   | <input type="checkbox"/>            | 3 /                      |    |        | SMH061_SMH054A_T<br>FA_43.8 ft.JPG |         |
| 43.9 ft. | 00:03:51   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 7 / 11                   |    | 2      | SMH061_SMH054A_D<br>AE_43.9 ft.JPG |         |
| 56.4 ft. | 00:04:42   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 7 / 1                    |    | 2      | SMH061_SMH054A_D<br>AE_56.4 ft.JPG |         |
| 64.2 ft. | 00:06:30   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 8 / 4                    |    | 2      | SMH061_SMH054A_D<br>AE_64.2 ft.JPG |         |
| 72.5 ft. | 00:07:01   | RFJ       |            |       |                   |     |   | <input checked="" type="checkbox"/> | 12 / 3                   |    | 1      | SMH061_SMH054A_R<br>FJ_72.5 ft.JPG |         |
| 82.6 ft. | 00:08:06   | TFA       |            |       | 6.000             |     |   | <input type="checkbox"/>            | 3 /                      |    |        | SMH061_SMH054A_T<br>FA_82.6 ft.JPG |         |
| 82.8 ft. | 00:08:30   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 7 / 11                   |    | 2      | SMH061_SMH054A_D<br>AE_82.8 ft.JPG |         |
| 91.1 ft. | 00:09:03   | DAE       |            |       |                   |     | 5 | <input type="checkbox"/>            | 2 / 4                    |    | 2      | SMH061_SMH054A_D<br>AE_91.1 ft.JPG |         |
| 91.5 ft. | 00:09:52   | CC        |            |       |                   |     |   | <input type="checkbox"/>            | 1 / 5                    |    | 1      | SMH061_SMH054A_C<br>C_91.5 ft.JPG  |         |
| 97.1 ft. | 00:10:19   | TF        |            |       | 6.000             |     |   | <input type="checkbox"/>            | 9 /                      |    |        | SMH061_SMH054A_T<br>F_97.1 ft.JPG  |         |
| 99.0 ft. | 00:10:50   | TF        |            |       | 6.000             |     |   | <input type="checkbox"/>            | 9 /                      |    |        | SMH061_SMH054A_T<br>F_99.0 ft.JPG  |         |

## Observations

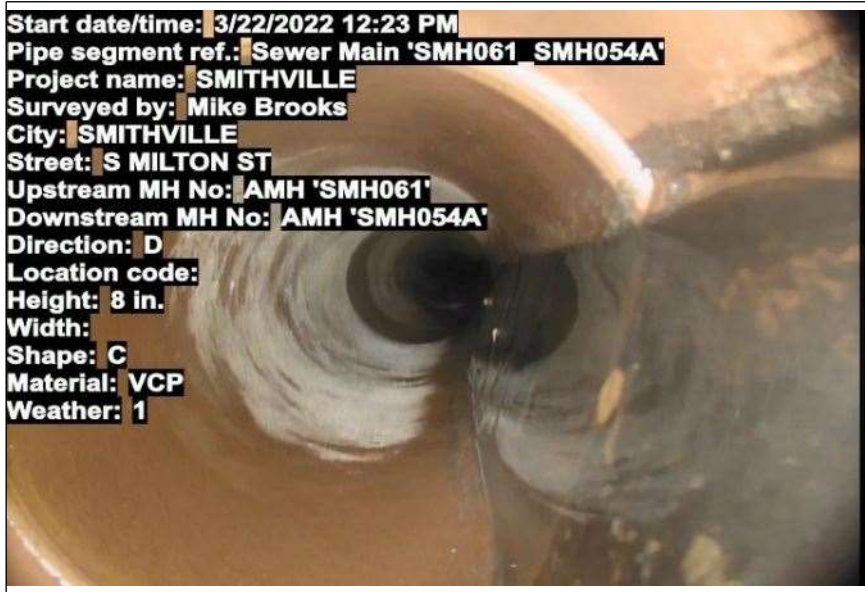
| Distance  | Video Ref. | PACP Code | Continuous | S/M/L | Value Inches (mm) |       | %  | Joint                               | Circumferential Location |    | Rating | Image Ref.                          | Remarks         |
|-----------|------------|-----------|------------|-------|-------------------|-------|----|-------------------------------------|--------------------------|----|--------|-------------------------------------|-----------------|
|           |            |           |            |       | 1st               | 2nd   |    |                                     | At/From                  | To |        |                                     |                 |
| 106.8 ft. | 00:11:26   | DAE       |            |       |                   |       | 25 | <input type="checkbox"/>            | 7 / 1                    |    | 4      | SMH061_SMH054A_D<br>AE_106.8 ft.JPG |                 |
| 129.4 ft. | 00:00:05   | DAE       |            |       |                   |       | 30 | <input type="checkbox"/>            | 7 / 12                   |    | 4      | SMH061_SMH054A_D<br>AE_129.4 ft.JPG |                 |
| 134.5 ft. | 00:05:28   | RFJ       |            |       |                   |       |    | <input checked="" type="checkbox"/> | 1 / 3                    |    | 1      | SMH061_SMH054A_R<br>FJ_134.5 ft.JPG |                 |
| 157.3 ft. | 00:07:02   | DAE       |            |       |                   |       | 5  | <input type="checkbox"/>            | 8 / 4                    |    | 2      | SMH061_SMH054A_D<br>AE_157.3 ft.JPG |                 |
| 181.8 ft. | 00:08:45   | FM        |            |       |                   |       |    | <input type="checkbox"/>            | 12 / 12                  |    | 4      | SMH061_SMH054A_F<br>M_181.8 ft.JPG  |                 |
| 185.5 ft. | 00:09:32   | CL        |            |       |                   |       |    | <input type="checkbox"/>            | 8 /                      |    | 2      | SMH061_SMH054A_C<br>L_185.5 ft.JPG  |                 |
| 201.2 ft. | 00:11:50   | FC        |            |       |                   |       |    | <input type="checkbox"/>            | 12 / 12                  |    | 2      | SMH061_SMH054A_F<br>C_201.2 ft.JPG  |                 |
| 201.3 ft. | 00:12:20   | CM        |            |       |                   |       |    | <input type="checkbox"/>            | 8 / 9                    |    | 3      | SMH061_SMH054A_C<br>M_201.3 ft.JPG  |                 |
| 202.0 ft. | 00:00:54   | B         |            |       |                   |       |    | <input type="checkbox"/>            | 7 / 10                   |    | 4      | SMH061_SMH054A_B<br>_202.0 ft.JPG   |                 |
| 202.0 ft. | 00:02:04   | FM        |            |       |                   |       |    | <input type="checkbox"/>            | 12 / 12                  |    | 4      | SMH061_SMH054A_F<br>M_202.0 ft.JPG  |                 |
| 230.5 ft. | 00:04:17   | DAE       |            |       |                   |       | 5  | <input type="checkbox"/>            | 2 / 5                    |    | 2      | SMH061_SMH054A_D<br>AE_230.5 ft.JPG |                 |
| 239.8 ft. | 00:05:03   | DAE       |            |       |                   |       | 5  | <input type="checkbox"/>            | 7 / 10                   |    | 2      | SMH061_SMH054A_D<br>AE_239.8 ft.JPG |                 |
| 260.7 ft. | 00:06:04   | TF        |            |       |                   | 6.000 |    | <input type="checkbox"/>            | 3 /                      |    |        | SMH061_SMH054A_T<br>F_260.7 ft.JPG  |                 |
| 282.0 ft. | 00:06:49   | DAE       |            |       |                   |       | 5  | <input type="checkbox"/>            | 8 / 4                    |    | 2      | SMH061_SMH054A_D<br>AE_282.0 ft.JPG |                 |
| 282.6 ft. | 00:06:24   | MSA       |            |       |                   |       |    | <input type="checkbox"/>            | /                        |    |        | SMH061_SMH054A_M<br>SA_282.6 ft.JPG | STUCK ON DEBRIS |



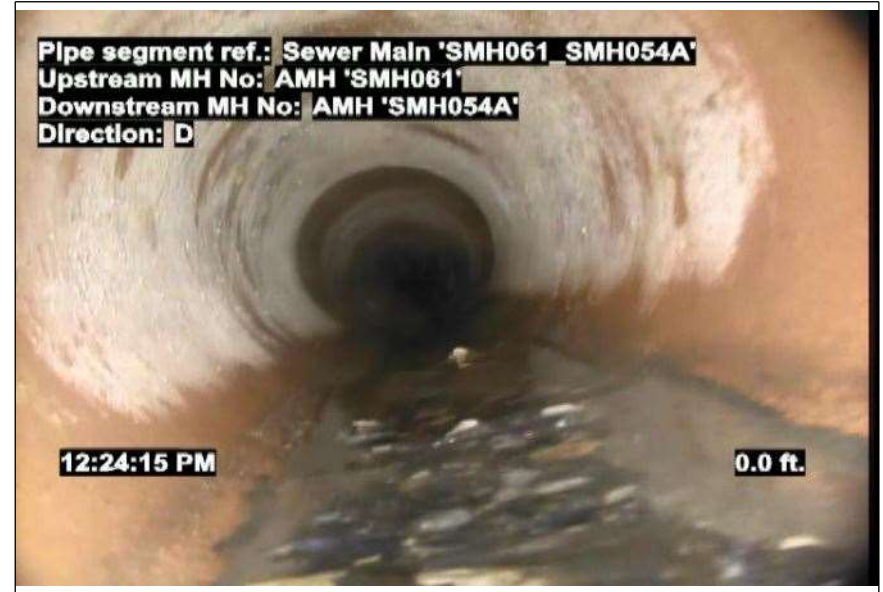




Photos



At: 0 ft. AMH - Manhole  
 Joint: No SMH061



At: 0 ft. MWL - Miscellaneous Water Level  
 Joint: No 5 %



At: 33.2 ft. 8/1 DAE - Deposits Attached Encrustation  
 Joint: No 5 %



At: 33.2 ft. 1/. IDJ - Infiltration Dripper Joint  
 Joint: Yes

## Photos



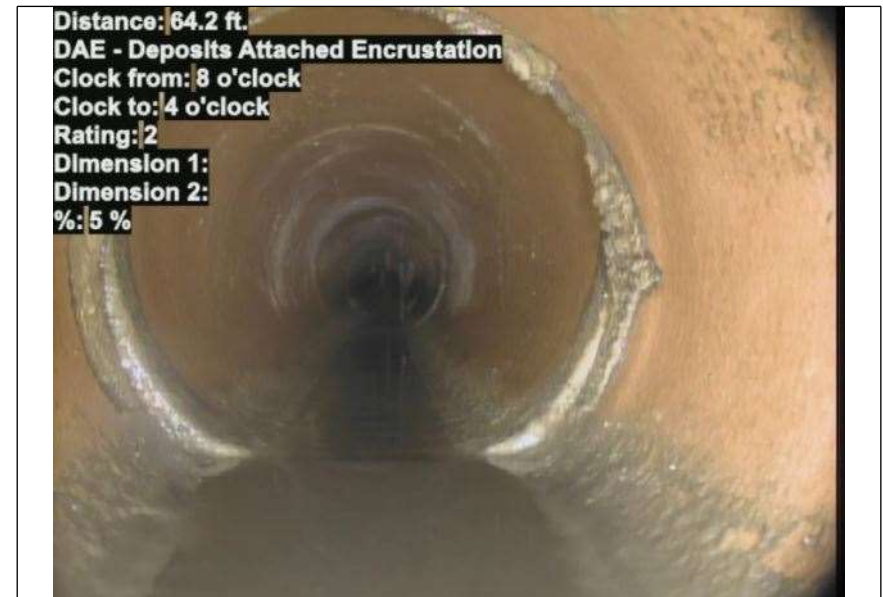
At: 43.8 ft. 3/ TFA - Tap Factory Activity  
Joint: No



At: 43.9 ft. 7/11 DAE - Deposits Attached Encrustation  
Joint: No 5 %

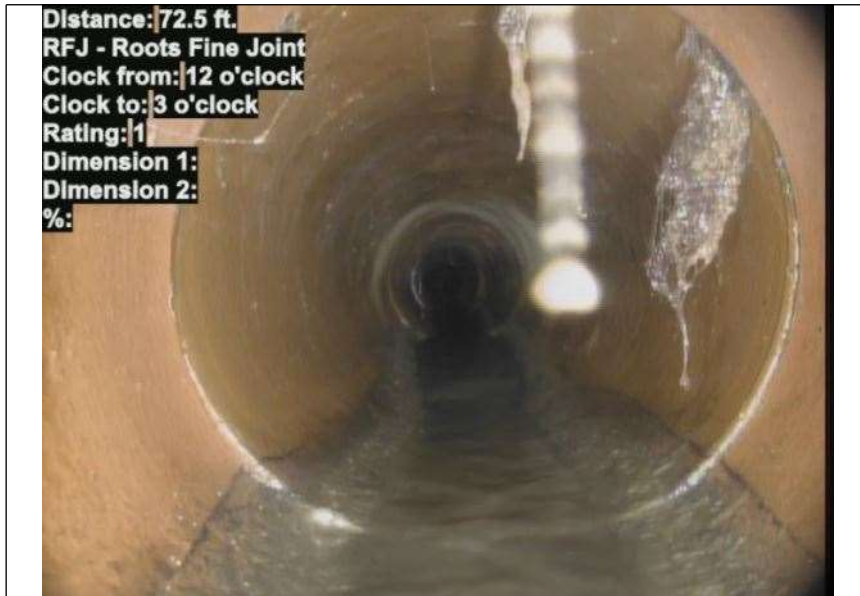


At: 56.4 ft. 7/1 DAE - Deposits Attached Encrustation  
Joint: No 5 %



At: 64.2 ft. 8/4 DAE - Deposits Attached Encrustation  
Joint: No 5 %

## Photos



At: 72.5 ft. 12/3 RFJ - Roots Fine Joint  
Joint: Yes



At: 82.6 ft. 3/ TFA - Tap Factory Activity  
Joint: No



At: 82.8 ft. 7/11 DAE - Deposits Attached Encrustation  
Joint: No 5 %



At: 91.1 ft. 2/4 DAE - Deposits Attached Encrustation  
Joint: No 5 %

## Photos



At: 91.5 ft. 1/5 CC - Crack Circumferential  
Joint: No



At: 97.1 ft. 9/ TF - Tap Factory  
Joint: No



At: 99 ft. 9/ TF - Tap Factory  
Joint: No



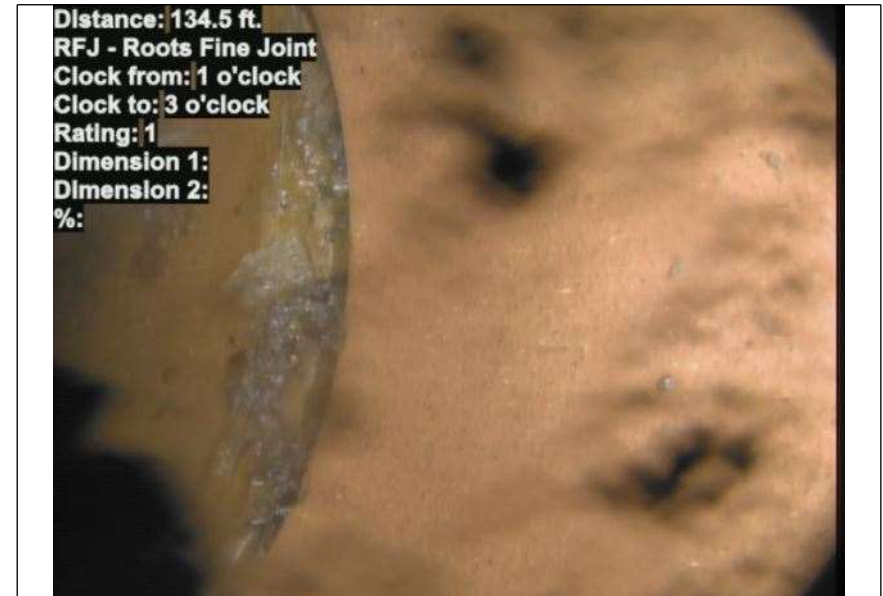
At: 106.8 ft. 7/1 DAE - Deposits Attached Encrustation  
Joint: No 25 %

## Photos



At: 129.4 ft. DAE - Deposits Attached Encrustation  
7/12

Joint: No 30 %



At: 134.5 ft. 1/3 RFJ - Roots Fine Joint

Joint: Yes



At: 157.3 ft. 8/4 DAE - Deposits Attached Encrustation

Joint: No 5 %



At: 181.8 ft. FM - Fracture Multiple  
12/12

Joint: No

## Photos



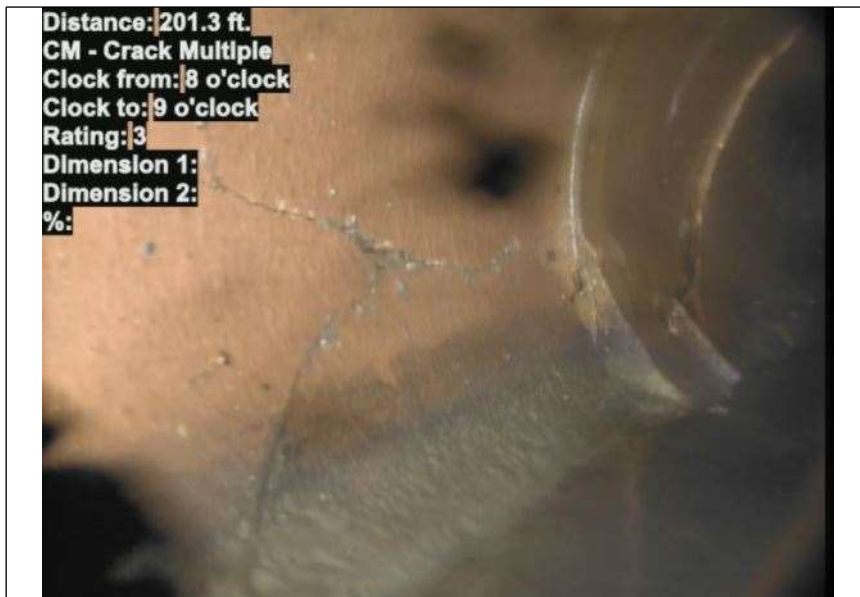
Distance: 185.5 ft.  
CL - Crack Longitudinal  
Clock from: 8 o'clock  
Clock to:  
Rating: 2  
Dimension 1:  
Dimension 2:  
%:

At: 185.5 ft. 8/. CL - Crack Longitudinal  
Joint: No



Distance: 201.2 ft.  
FC - Fracture Circumferential  
Clock from: 12 o'clock  
Clock to: 12 o'clock  
Rating: 2  
Dimension 1:  
Dimension 2:  
%:

At: 201.2 ft. FC - Fracture Circumferential  
12/12  
Joint: No



Distance: 201.3 ft.  
CM - Crack Multiple  
Clock from: 8 o'clock  
Clock to: 9 o'clock  
Rating: 3  
Dimension 1:  
Dimension 2:  
%:

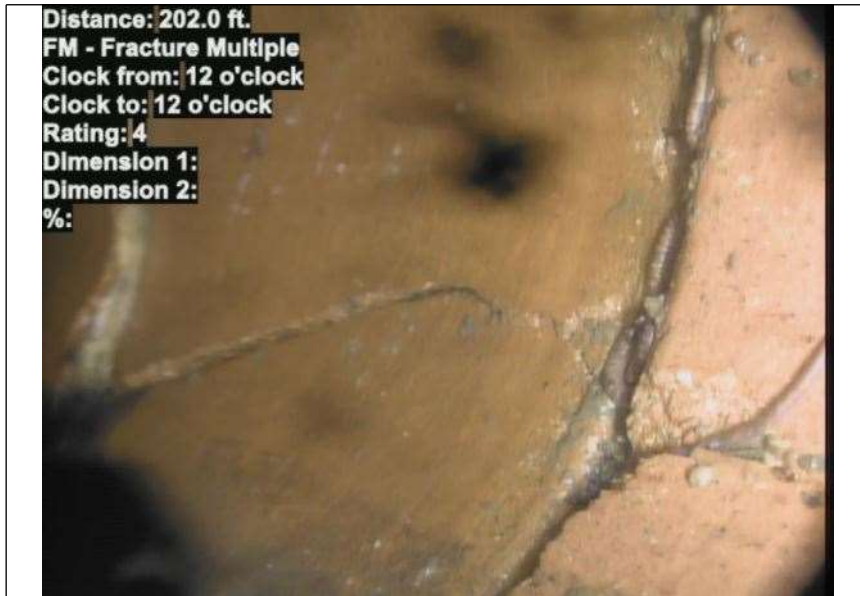
At: 201.3 ft. 8/9 CM - Crack Multiple  
Joint: No



Distance: 202.0 ft.  
B - Broken  
Clock from: 7 o'clock  
Clock to: 10 o'clock  
Rating: 4  
Dimension 1:  
Dimension 2:  
%:

At: 202 ft. 7/10 B - Broken  
Joint: No

## Photos



At: 202 ft. 12/12 FM - Fracture Multiple

Joint: No



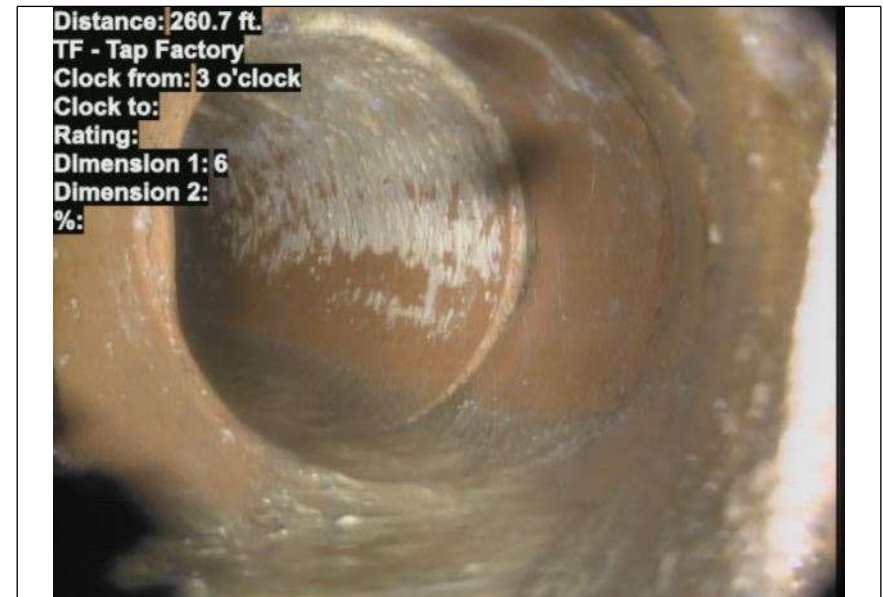
At: 230.5 ft. 2/5 DAE - Deposits Attached Encrustation

Joint: No 5 %



At: 239.8 ft. DAE - Deposits Attached Encrustation

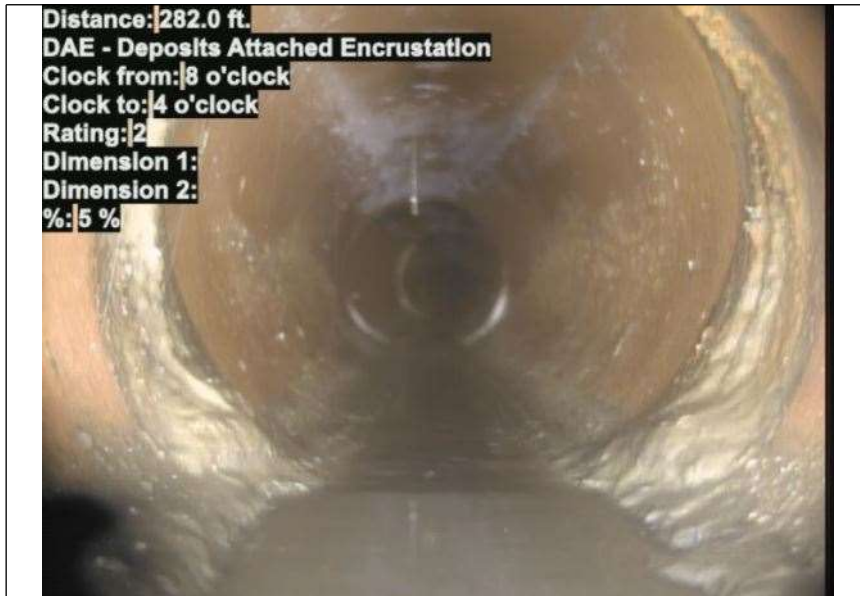
7/10  
Joint: No 5 %



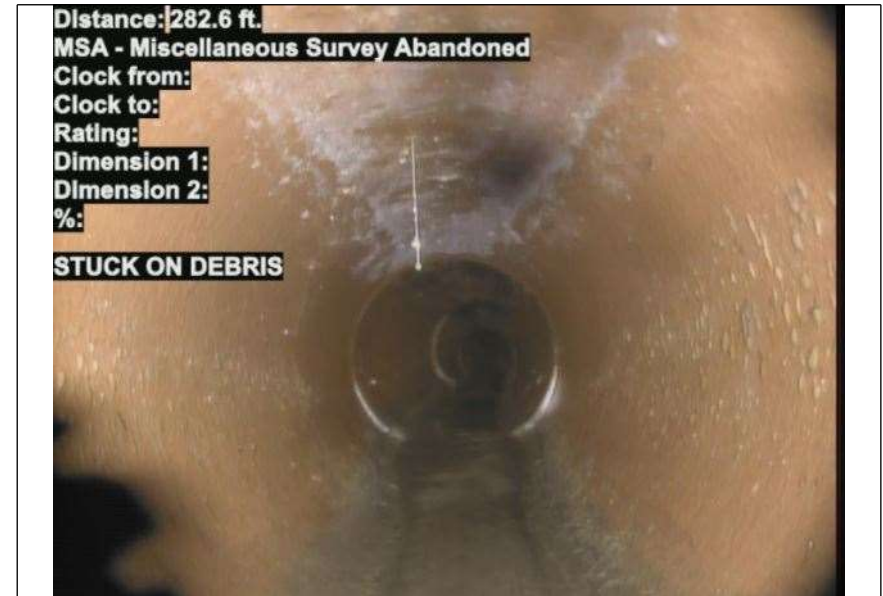
At: 260.7 ft. 3/ TF - Tap Factory

Joint: No

## Photos



At: 282 ft. 8/4 DAE - Deposits Attached Encrustation  
Joint: No 5 %



At: 282.6 ft. MSA - Miscellaneous Survey Abandoned  
Joint: No STUCK ON DEBRIS