## **Profile/Photo Observation Report**



Date: 11/02/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 291.8 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-505-059-054 Surveyor:

Customer: City of Hobart Clean Date: 10/28/2021 Shape: C

Street: West 2nd Street Flow Control: Not Controlled

City: Hobart, IN Year Renewed:
Location: Local rural streets with light traffic, t Tape/Media #:

Purpose:Routine AssessmentDia/Height:10"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

Location Details: Direction of Survey: **Downstream** 

US MH: M-505-059 DS MH: M-505-054 Total Length Surveyed (ft): 291.8

1.88 3629 45.00 O&M Index: O&M Quick: O&M Rating: 3.30 524F 208.00 Structural Quick: Structural Rating: Structural Index: 2.91 253.00 524F Overall Index: Overall Quick: Overall Rating:

|                | Position | Code      | Observation                     | Video (sec) | Grade |
|----------------|----------|-----------|---------------------------------|-------------|-------|
| <b>1</b> (505- | 059      |           |                                 |             |       |
| $\leq$         | 0.       | AMH       | Manhole                         | 1           | NA    |
| -              | 0.       | MWL       | Miscellaneous Water Level       | 76          | NA    |
|                | 4.4      | SMW       | Surface Damage Missing Wall     | 143         | S 5   |
|                | 4.4      | DAE       | Deposits Attached Encrustation  | 171         | M 2   |
|                | 4.4      | RFJ       | Roots Fine Joint                | 190         | M 1   |
| -              | 5.1      | RML       | Roots Medium Lateral            | 230         | M 3   |
| ш              | 5.4      | TFD       | Tap Factory Defective           | 270         | M 3   |
| ш              | 7.5      | FM        | Fracture Multiple               | 380         | S 4   |
| ш              | 7.6      | RFJ       | Roots Fine Joint                | 415         | M 1   |
|                | 8.8      | TFC       | Tap Factory Capped              | 445         | NA    |
|                | 10.6     | DAE       | Deposits Attached Encrustation  | 488         | M 2   |
|                | 10.6     | FM        | Fracture Multiple               | 552         | S 4   |
| ш              | 10.6     | RFJ       | Roots Fine Joint                | 568         | M 1   |
|                | 13.6     | MWLS(S01) | Miscellaneous Water Level Sag   | 606         | S 2   |
|                | 16.8     | RFJ       | Roots Fine Joint                | 647         | M 1   |
|                | 16.8     | FM(S02)   | Fracture Multiple               | 709         | S 4   |
|                | 19.9     | RFJ       | Roots Fine Joint                | 771         | M 1   |
|                | 20.0     | SSS       | Surface Damage Surface Spalling | 782         | S 2   |
|                | 23.1     | RFJ       | Roots Fine Joint                | 860         | M 1   |

| 26.2         DAE         Deposits Attached Encrustation         925         M 2           29.3         RFJ         Roots Fine Joint         970         M 1           44.5         RFJ         Roots Fine Joint         1052         M 1           48.9         TFD         Tap Factory Defective         1180         M 3           50.9         DAE         Deposits Attached Encrustation         1295         M 2           50.9         DAE         Deposits Attached Encrustation         1321         M 3           55.9         TFD         Tap Factory Defective         1321         M 3           55.9         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           98.2         TFD         Tap Factory Capped         1797         NA <th></th> <th>-111</th> <th>26.2</th> <th>RFJ</th> <th>Roots Fine Joint</th> <th>895</th> <th>M 1</th>  |   | -111              | 26.2  | RFJ       | Roots Fine Joint                | 895  | M 1 |
|--|---|-------------------|-------|-----------|---------------------------------|------|-----|
| 41.5       RFJ       Roots Fine Joint       1052       M 1         48.9       TFD       Tap Factory Defective       1180       M 3         50.9       DAE       Deposits Attached Encrustation       1255       M 2         50.9       DAE       Deposits Attached Encrustation       1291       M 2         51.9       TFD       Tap Factory Defective       1321       M 3         55.3       MWLS(F01)       Miscellaneous Water Level Sag       1358       S 2         72.5       DAE       Deposits Attached Encrustation       1457       M 2         75.0       DR       Deformed Rigid       1502       S 4         75.8       TBD       Tap Break-in/Hammer Defective       1558       M 3         78.4       SSS       Surface Damage Surface Spalling       1596       S 2         98.2       TFD       Tap Factory Defective       1764       M 3         101.0       TFC       Tap Factory Capped       1797       NA         107.4       TB       Tap Factory Capped       1797       NA         107.4       TB       Tap Factory Capped       1797       NA         107.4       TB       Tap Factory Capped       1797       NA   | П | W                 | 26.2  | DAE       | Deposits Attached Encrustation  | 925  | M 2 |
| 48.9       TFD       Tap Factory Defective       1180       M 3         50.9       DAE       Deposits Attached Encrustation       1255       M 2         50.9       DAE       Deposits Attached Encrustation       1291       M 2         51.9       TFD       Tap Factory Defective       1321       M 3         55.3       MWLS(FO1)       Miscellaneous Water Level Sag       1358       S 2         72.5       DAE       Deposits Attached Encrustation       1457       M 2         75.0       DR       Deformed Rigid       1502       S 4         75.8       TBD       Tap Break-in/Hammer Defective       1558       M 3         78.4       SSS       Surface Damage Surface Spalling       1596       S 2         96.6       BSV       Broken Soil Visible       1730       S 5         98.2       TFD       Tap Factory Defective       1764       M 3         101.0       TFC       Tap Factory Capped       1797       NA         107.4       TB       Tap Factory Defective       1764       M 3         101.0       TFC       Tap Factory Capped       1797       NA         107.4       TB       Tap Factory Capted       1797       NA<  | ı | W                 | 29.3  | RFJ       | Roots Fine Joint                | 970  | M 1 |
| 50.9         DAE         Deposits Attached Encrustation         1255         M 2           50.9         DAE         Deposits Attached Encrustation         1291         M 2           51.9         TFD         Tap Factory Defective         1321         M 3           55.3         MWLS(F01)         Miscellaneous Water Level Sag         1358         5 2           72.5         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           96.6         BSV         Broken Soil Visible         1730         S 5           98.2         TFD         Tap Factory Defective         1764         M 3           101.0         TFC         Tap Factory Capped         1797         NA           107.4         TB         Tap Factory Capped         1797         NA           154.8         MWLS(S03)         Miscellaneous Water Level Sag         2102         S 2           168.2         FM(F02)         Fracture Multiple         2216  | ı |                   | 41.5  | RFJ       | Roots Fine Joint                | 1052 | M 1 |
| 50.9         DAE         Deposits Attached Encrustation         1291         M 2           51.9         TFD         Tap Factory Defective         1321         M 3           55.3         MWLS(F01)         Miscellaneous Water Level Sag         1358         5 2           72.5         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           96.6         BSV         Broken Soil Visible         1730         S 5           98.2         TFD         Tap Factory Defective         1764         M 3           101.0         TFC         Tap Factory Capped         1797         NA           107.4         TB         Tap Factory Capped         1797         NA           154.8         MWLS(S03)         Miscellaneous Water Level Sag         2102         S 2           160.0         SSS         Surface Damage Surface Spalling         2156         S 2           168.2         FM(F02)         Fracture Multiple         2216  | ı | W                 | 48.9  | TFD       | Tap Factory Defective           | 1180 | M 3 |
| 51.9         TFD         Tap Factory Defective         1321         M 3           55.3         MWLS(F01)         Miscellaneous Water Level Sag         1358         S 2           72.5         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           96.6         BSV         Broken Soil Visible         1730         S 5           98.2         TFD         Tap Factory Defective         1764         M 3           101.0         TFC         Tap Factory Capped         1797         NA           107.4         TB         Tap Break-in/Hammer         1879         NA           154.8         MWLS(S03)         Miscellaneous Water Level Sag         2102         S 2           160.0         SSS         Surface Damage Surface Spalling         2156         S 2           168.2         FM(F02)         Fracture Multiple         2216         S 4           168.2         DAE         Deposits Attached Encrustation         2231 <th>ı</th> <th></th> <td>50.9</td> <td>DAE</td> <td>Deposits Attached Encrustation</td> <td>1255</td> <td>M 2</td>   | ı |                   | 50.9  | DAE       | Deposits Attached Encrustation  | 1255 | M 2 |
| 55.3         MWLS(F01)         Miscellaneous Water Level Sag         1358         S 2           72.5         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           96.6         BSV         Broken Soil Visible         1730         S 5           98.2         TFD         Tap Factory Defective         1764         M 3           101.0         TFC         Tap Factory Capped         1797         NA           107.4         TB         Tap Break-in/Hammer         1879         NA           154.8         MWLS(S03)         Miscellaneous Water Level Sag         2102         S 2           160.0         SSS         Surface Damage Surface Spalling         2156         S 2           168.2         FM(F02)         Fracture Multiple         2216         S 4           168.2         DAE         Deposits Attached Encrustation         2224         M 2           179.5         MWLS(F03)         Miscellaneous Water Level Sag  | ı |                   | 50.9  | DAE       | Deposits Attached Encrustation  | 1291 | M 2 |
| 72.5         DAE         Deposits Attached Encrustation         1457         M 2           75.0         DR         Deformed Rigid         1502         S 4           75.8         TBD         Tap Break-in/Hammer Defective         1558         M 3           78.4         SSS         Surface Damage Surface Spalling         1596         S 2           96.6         BSV         Broken Soil Visible         1730         S 5           98.2         TFD         Tap Factory Defective         1764         M 3           101.0         TFC         Tap Factory Capped         1797         NA           107.4         TB         Tap Break-in/Hammer         1879         NA           154.8         MWLS(S03)         Miscellaneous Water Level Sag         2102         S 2           160.0         SSS         Surface Damage Surface Spalling         2156         S 2           168.2         FM(F02)         Fracture Multiple         2216         S 4           168.2         DAE         Deposits Attached Encrustation         2224         M 2           179.5         MWLS(F03)         Miscellaneous Water Level Sag         2286         S 2           189.7         DAE         Deposits Attached Encrustation  | ı |                   | 51.9  | TFD       | Tap Factory Defective           | 1321 | M 3 |
| 75.0   DR   Deformed Rigid   1502   S 4  | ı |                   | 55.3  | MWLS(F01) | Miscellaneous Water Level Sag   | 1358 | S 2 |
| 75.8   TBD   Tap Break-in/Hammer Defective   1558   M 3     78.4   SSS   Surface Damage Surface Spalling   1596   S 2     96.6   BSV   Broken Soil Visible   1730   S 5     98.2   TFD   Tap Factory Defective   1764   M 3     101.0   TFC   Tap Factory Capped   1797   NA     107.4   TB   Tap Break-in/Hammer   1879   NA     154.8   MWLS(S03)   Miscellaneous Water Level Sag   2102   S 2     160.0   SSS   Surface Damage Surface Spalling   2156   S 2     168.2   FM(F02)   Fracture Multiple   2216   S 4     168.2   DAE   Deposits Attached Encrustation   2224   M 2     179.5   MWLS(F03)   Miscellaneous Water Level Sag   2286   S 2     182.1   SSS   Surface Damage Surface Spalling   2312   S 2     189.7   DAE   Deposits Attached Encrustation   2371   M 2     190.5   CM   Crack Multiple   2388   S 3     225.0   SSS   Surface Damage Surface Spalling   2571   S 2     231.0   CS   Crack Spiral   2612   S 2     246.4   CM(S04)   Crack Multiple   2677   S 3     256.2   SSS   Surface Damage Surface Spalling   2724   S 2     262.7   LD   Line Down   2771   M 2     264.1   JAL   Joint Angular Large   2832   S 4     270.2   JAL   Joint Angular Large   2899   S 4     272.7   CM(F04)   Crack Multiple   2947   S 3   | ı | ٦١                | 72.5  | DAE       | Deposits Attached Encrustation  | 1457 | M 2 |
| 1596   S 2   S 2   S 2   S 3 | ı |                   | 75.0  | DR        | Deformed Rigid                  | 1502 | S 4 |
| 96.6 BSV Broken Soil Visible 1730 S 5 98.2 TFD Tap Factory Defective 1764 M 3 101.0 TFC Tap Factory Capped 1797 NA 107.4 TB Tap Break-in/Hammer 1879 NA 154.8 MWL5(S03) Miscellaneous Water Level Sag 2102 S 2 160.0 SSS Surface Damage Surface Spalling 2156 S 2 168.2 FM(F02) Fracture Multiple 2216 S 4 168.2 DAE Deposits Attached Encrustation 2224 M 2 179.5 MWL5(F03) Miscellaneous Water Level Sag 2286 S 2 182.1 SSS Surface Damage Surface Spalling 2312 S 2 189.7 DAE Deposits Attached Encrustation 2371 M 2 190.5 CM Crack Multiple 2388 S 3 225.0 SSS Surface Damage Surface Spalling 2571 S 2 231.0 CS Crack Spiral 2612 S 2 246.4 CM(S04) Crack Multiple 2677 S 3 256.2 SSS Surface Damage Surface Spalling 2724 S 2 262.7 LD Line Down 2771 M 2 264.1 JAL Joint Angular Large 2832 S 4 270.2 JAL Joint Angular Large 2899 S 4 272.7 CM(F04) Crack Multiple 2947 S 3   | 4 | -∭                | 75.8  | TBD       | Tap Break-in/Hammer Defective   | 1558 | M 3 |
| 98.2   TFD   Tap Factory Defective   1764   M 3   101.0   TFC   Tap Factory Capped   1797   NA   107.4   TB   Tap Break-in/Hammer   1879   NA   154.8   MWLS(\$03)   Miscellaneous Water Level Sag   2102   \$2   160.0   \$SS   Surface Damage Surface Spalling   2156   \$5   \$2   168.2   FM(F02)   Fracture Multiple   2216   \$4   168.2   DAE   Deposits Attached Encrustation   2224   M 2   179.5   MWLS(\$F03)   Miscellaneous Water Level Sag   2286   \$5   \$2   182.1   \$SS   Surface Damage Surface Spalling   2312   \$5   \$2   189.7   DAE   Deposits Attached Encrustation   2371   M 2   190.5   CM   Crack Multiple   2388   \$5   \$3   225.0   \$SS   Surface Damage Surface Spalling   2571   \$5   \$2   231.0   CS   Crack Spiral   2612   \$5   \$2   246.4   CM(\$504)   Crack Multiple   2677   \$5   \$3   256.2   \$SSS   Surface Damage Surface Spalling   2724   \$5   \$2   246.4   CM(\$504)   Crack Multiple   2677   \$5   \$3   256.2   \$SSS   Surface Damage Surface Spalling   2724   \$5   \$2   246.1   JAL   Joint Angular Large   2832   \$5   \$4   270.2   JAL   Joint Angular Large   2899   \$5   \$4   272.7   CM(\$F04)   Crack Multiple   2947   \$5   \$3   272.7   \$7   \$7   \$7   \$7   \$7   \$7   \$7  | ı | $\ $              | 78.4  | SSS       | Surface Damage Surface Spalling | 1596 | S 2 |
| 101.0   TFC   Tap Factory Capped   1797   NA   107.4   TB   Tap Break-in/Hammer   1879   NA   154.8   MWLS(S03)   Miscellaneous Water Level Sag   2102   S.2   160.0   SSS   Surface Damage Surface Spalling   2156   S.2   168.2   FM(F02)   Fracture Multiple   2216   S.4   168.2   DAE   Deposits Attached Encrustation   2224   M.2   179.5   MWLS(F03)   Miscellaneous Water Level Sag   2286   S.2   182.1   SSS   Surface Damage Surface Spalling   2312   S.2   189.7   DAE   Deposits Attached Encrustation   2371   M.2   190.5   CM   Crack Multiple   2388   S.3   225.0   SSS   Surface Damage Surface Spalling   2571   S.2   231.0   CS   Crack Spiral   2612   S.2   246.4   CM(S04)   Crack Multiple   2677   S.3   256.2   SSS   Surface Damage Surface Spalling   2724   S.2   262.7   LD   Line Down   2771   M.2   264.1   JAL   Joint Angular Large   2832   S.4   270.2   JAL   Joint Angular Large   2899   S.4   272.7   CM(F04)   Crack Multiple   2947   S.3   |   | ¬∭                | 96.6  | BSV       | Broken Soil Visible             | 1730 | S 5 |
| 107.4 TB   | П | ╢                 | 98.2  | TFD       | Tap Factory Defective           | 1764 | M 3 |
| 154.8       MWLS(S03)       Miscellaneous Water Level Sag       2102       S 2         160.0       SSS       Surface Damage Surface Spalling       2156       S 2         168.2       FM(F02)       Fracture Multiple       2216       S 4         168.2       DAE       Deposits Attached Encrustation       2224       M 2         179.5       MWLS(F03)       Miscellaneous Water Level Sag       2286       S 2         182.1       SSS       Surface Damage Surface Spalling       2312       S 2         189.7       DAE       Deposits Attached Encrustation       2371       M 2         190.5       CM       Crack Multiple       2388       S 3         225.0       SSS       Surface Damage Surface Spalling       2571       S 2         231.0       CS       Crack Spiral       2612       S 2         246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large  | - | ۹∭                | 101.0 | TFC       | Tap Factory Capped              | 1797 | NA  |
| 160.0   SSS   Surface Damage Surface Spalling   2156   S 2     168.2   FM(F02)   Fracture Multiple   2216   S 4     168.2   DAE   Deposits Attached Encrustation   2224   M 2     179.5   MWLS(F03)   Miscellaneous Water Level Sag   2286   S 2     182.1   SSS   Surface Damage Surface Spalling   2312   S 2     189.7   DAE   Deposits Attached Encrustation   2371   M 2     190.5   CM   Crack Multiple   2388   S 3     225.0   SSS   Surface Damage Surface Spalling   2571   S 2     231.0   CS   Crack Spiral   2612   S 2     246.4   CM(S04)   Crack Multiple   2677   S 3     256.2   SSS   Surface Damage Surface Spalling   2724   S 2     262.7   LD   Line Down   2771   M 2     264.1   JAL   Joint Angular Large   2832   S 4     270.2   JAL   Joint Angular Large   2899   S 4     272.7   CM(F04)   Crack Multiple   2947   S 3  | ı | M                 | 107.4 | ТВ        | Tap Break-in/Hammer             | 1879 | NA  |
| 168.2       FM(F02)       Fracture Multiple       2216       S 4         168.2       DAE       Deposits Attached Encrustation       2224       M 2         179.5       MWLS(F03)       Miscellaneous Water Level Sag       2286       S 2         182.1       SSS       Surface Damage Surface Spalling       2312       S 2         189.7       DAE       Deposits Attached Encrustation       2371       M 2         190.5       CM       Crack Multiple       2388       S 3         225.0       SSS       Surface Damage Surface Spalling       2571       S 2         231.0       CS       Crack Spiral       2612       S 2         246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3   | ı | W                 | 154.8 | MWLS(S03) | Miscellaneous Water Level Sag   | 2102 | S 2 |
| 168.2       DAE       Deposits Attached Encrustation       2224       M 2         179.5       MWLS(F03)       Miscellaneous Water Level Sag       2286       S 2         182.1       SSS       Surface Damage Surface Spalling       2312       S 2         189.7       DAE       Deposits Attached Encrustation       2371       M 2         190.5       CM       Crack Multiple       2388       S 3         225.0       SSS       Surface Damage Surface Spalling       2571       S 2         231.0       CS       Crack Spiral       2612       S 2         246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3  | ı | M                 | 160.0 | SSS       | Surface Damage Surface Spalling | 2156 | S 2 |
| 179.5       MWLS(F03)       Miscellaneous Water Level Sag       2286       S 2         182.1       SSS       Surface Damage Surface Spalling       2312       S 2         189.7       DAE       Deposits Attached Encrustation       2371       M 2         190.5       CM       Crack Multiple       2388       S 3         225.0       SSS       Surface Damage Surface Spalling       2571       S 2         231.0       CS       Crack Spiral       2612       S 2         246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3  |   | N                 | 168.2 | FM(F02)   | Fracture Multiple               | 2216 | S 4 |
| 182.1       SSS       Surface Damage Surface Spalling       2312       S 2         189.7       DAE       Deposits Attached Encrustation       2371       M 2         190.5       CM       Crack Multiple       2388       S 3         225.0       SSS       Surface Damage Surface Spalling       2571       S 2         231.0       CS       Crack Spiral       2612       S 2         246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3   |   | 1                 | 168.2 | DAE       | Deposits Attached Encrustation  | 2224 | M 2 |
| 189.7   DAE   Deposits Attached Encrustation   2371   M 2   190.5   CM   Crack Multiple   2388   S 3   225.0   SSS   Surface Damage Surface Spalling   2571   S 2   231.0   CS   Crack Spiral   2612   S 2   246.4   CM(S04)   Crack Multiple   2677   S 3   256.2   SSS   Surface Damage Surface Spalling   2724   S 2   262.7   LD   Line Down   2771   M 2   264.1   JAL   Joint Angular Large   2832   S 4   270.2   JAL   Joint Angular Large   2899   S 4   272.7   CM(F04)   Crack Multiple   2947   S 3  |   | _ \               | 179.5 | MWLS(F03) | Miscellaneous Water Level Sag   | 2286 | S 2 |
| 190.5  | ı |                   | 182.1 | SSS       | Surface Damage Surface Spalling | 2312 | S 2 |
| 225.0   SSS   Surface Damage Surface Spalling   2571   S 2   |   | $/\!/$            | 189.7 | DAE       | Deposits Attached Encrustation  | 2371 | M 2 |
| 231.0  | ı | //                | 190.5 | CM        | Crack Multiple                  | 2388 | S 3 |
| 246.4       CM(S04)       Crack Multiple       2677       S 3         256.2       SSS       Surface Damage Surface Spalling       2724       S 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3   |   | ٦ /               | 225.0 | SSS       | Surface Damage Surface Spalling | 2571 | S 2 |
| 256.2       SSS       Surface Damage Surface Spalling       2724       \$ 2         262.7       LD       Line Down       2771       M 2         264.1       JAL       Joint Angular Large       2832       \$ 4         270.2       JAL       Joint Angular Large       2899       \$ 4         272.7       CM(F04)       Crack Multiple       2947       \$ 3   | ı |                   | 231.0 | CS        | Crack Spiral                    | 2612 | S 2 |
| 262.7         LD         Line Down         2771         M 2           264.1         JAL         Joint Angular Large         2832         S 4           270.2         JAL         Joint Angular Large         2899         S 4           272.7         CM(F04)         Crack Multiple         2947         S 3  | Н | 一、'               | 246.4 | CM(S04)   | Crack Multiple                  | 2677 | S 3 |
| 264.1       JAL       Joint Angular Large       2832       S 4         270.2       JAL       Joint Angular Large       2899       S 4         272.7       CM(F04)       Crack Multiple       2947       S 3  |   | =/                | 256.2 | SSS       | Surface Damage Surface Spalling | 2724 | S 2 |
| 270.2 JAL Joint Angular Large 2899 S 4 272.7 CM(F04) Crack Multiple 2947 S 3   |   |                   | 262.7 | LD        | Line Down                       | 2771 | M 2 |
| 272.7 CM(F04) Crack Multiple 2947 S 3  |   | $^{\prime\prime}$ | 264.1 | JAL       | Joint Angular Large             | 2832 | S 4 |
|  |   | //                | 270.2 | JAL       | Joint Angular Large             | 2899 | S 4 |
| 291.8 AMH Manhole 3171 NA  |   | ,                 | 272.7 | CM(F04)   | Crack Multiple                  | 2947 | S 3 |
|  |   |                   | 291.8 | AMH       | Manhole                         | 3171 | NA  |

M(505)054



Code: AMH
Description: Manhole

Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: M-505-059



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: SMW

Description: Surface Damage Missing Wall

Distance (ft): 4.4
Structural Grade: 5
O&M Grade: 0

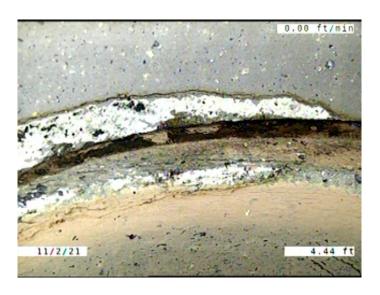
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES

6



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 4.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 11
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 4.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 3
1st Value:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:



Code: RML

Description: Roots Medium Lateral

YES

Distance (ft): 5.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 11
1st Value:

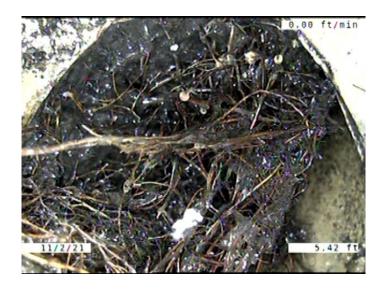
Value Percent: 35.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

2nd Value:



Code: **TFD** 

Description: **Tap Factory Defective** 

5.4 Distance (ft): Structural Grade: 0 3 O&M Grade: Clock Start/From: 11

Clock To:

1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **ROOTS GROWING OUT OF THE TAP** 

INTO THE MAIN. LOOKS TO BE 100%

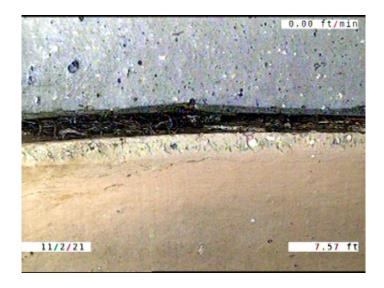


Code: FM

Description: **Fracture Multiple** 

Distance (ft): 7.5 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 3 9 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 7.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 8.8
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 1

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAP LOOKS TO BE FABRIC. ROOTS
GROWING AROUND THE CAP



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 10.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 10.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:

Within 8" of Joint:

Remarks:

Value Percent: Continuous Index:

YES



Code: RFJ

Description: **Roots Fine Joint** 

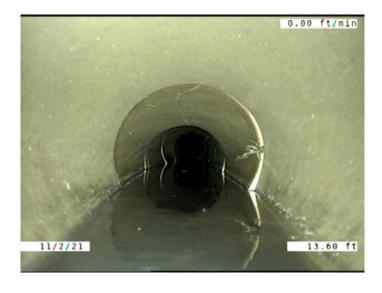
Distance (ft): 10.6 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 1 Clock To: 3

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

Distance (ft): 13.6 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: **S01** Within 8" of Joint: NO



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 16.8
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 10

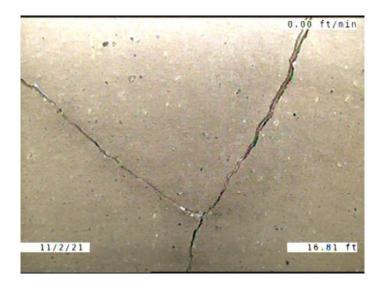
Clock To: 3

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 16.8
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 7
Clock To: 4
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES
Remarks: Wandering

**S02** 



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 19.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft):

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

1st Value:

2nd Value:

Value Percent:

Continuous Index:

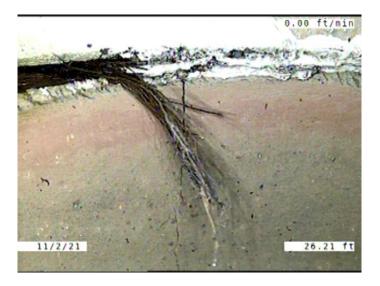
Within 8" of Joint: YES



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 23.1 Structural Grade: 0 1 O&M Grade: Clock Start/From: 1 Clock To: 2 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

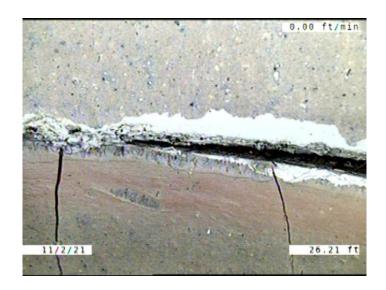
Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 26.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10
Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: VES



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 26.2 Structural Grade: 0 2 O&M Grade: Clock Start/From: 9 Clock To: 3

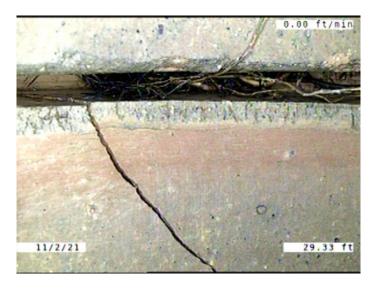
1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



RFJ Code:

Description: **Roots Fine Joint** 

Distance (ft): 29.3 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 9 Clock To: 10 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:



Code: RFJ

Description: Roots Fine Joint

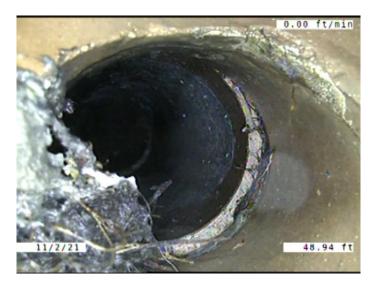
Distance (ft): 41.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 48.9
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 10

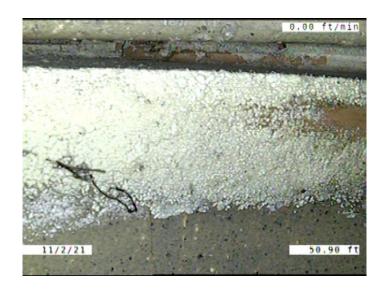
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: OFFSET. ROOTS GROWING FROM THE JOINT AND INTO THE MAIN



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 50.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 10

1st Value: 2nd Value:

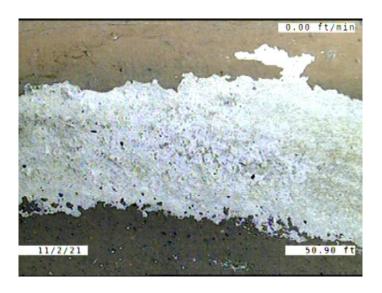
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

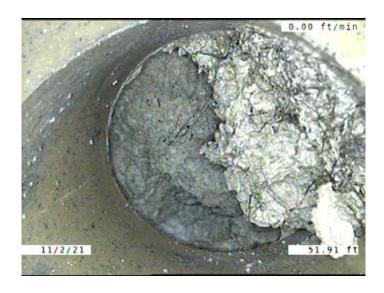
Description: Deposits Attached Encrustation

Distance (ft): 50.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: **TFD** 

Description: **Tap Factory Defective** 

51.9 Distance (ft): Structural Grade: 0 O&M Grade: 3 Clock Start/From: 1

Clock To:

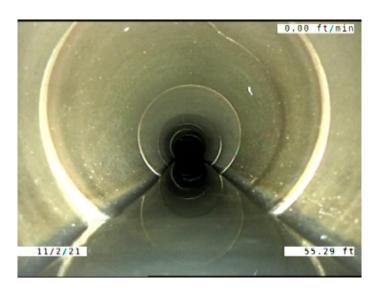
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **SOIL VISIBLE. ROOTS GROWING** 

INTO THE TAP. LOOKS TO BE 100% P



Code: **MWLS** 

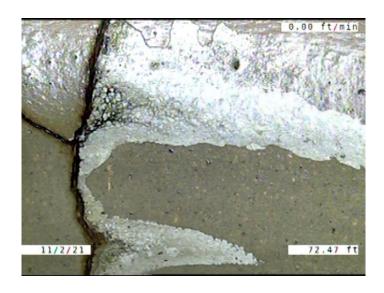
Description: **Miscellaneous Water Level Sag** 

Distance (ft): 55.3 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F01 Within 8" of Joint: NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 72.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12
Clock To: 2

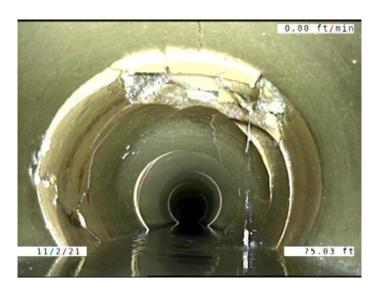
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DR

Description: Deformed Rigid

Distance (ft): **75.0**Structural Grade: **4**O&M Grade: **0** 

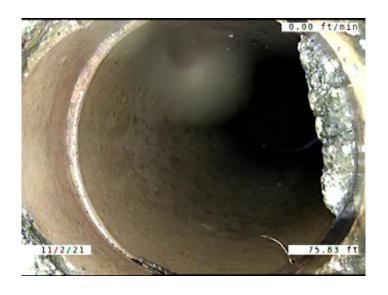
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

 $Continuous\ Index:$ 

Within 8" of Joint: NO



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 75.8
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 1

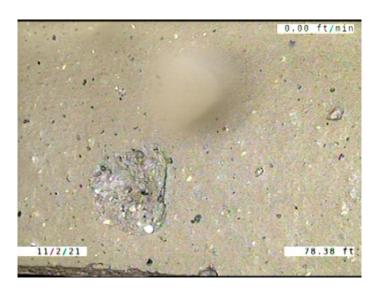
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER.



Code: SSS

Description: Surface Damage Surface Spalling

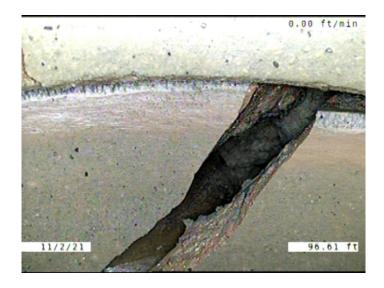
Distance (ft): 78.4
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To:
1st Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: BSV

Description: Broken Soil Visible

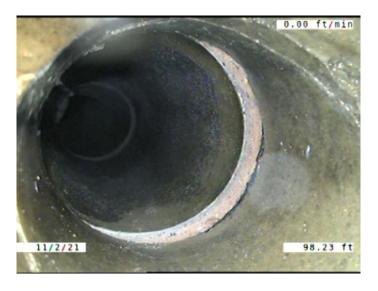
Distance (ft): 96.6
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 7
Clock To: 11

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 98.2
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 11

Clock To:

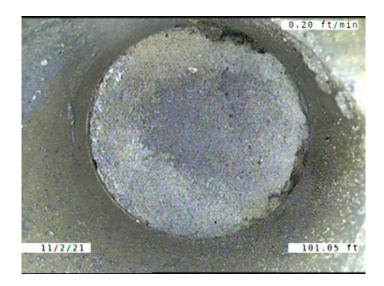
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: BROKEN. OFFSET. CONSTANTLY

**RUNNING WATER.** 



Code: TFC

Description: Tap Factory Capped

Distance (ft): 101.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 2

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TB

Description: Tap Break-in/Hammer

Distance (ft): 107.4
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

Clock To:

2nd Value:

1st Value: **4.000** 

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

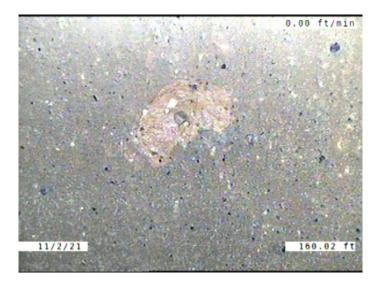
Distance (ft): 154.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S03
Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 160.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: FΜ

Description: **Fracture Multiple** 

Distance (ft): 168.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 7 Clock To:

1st Value: 2nd Value: Value Percent:

Continuous Index: F02 Within 8" of Joint: YES

Remarks: Wandering



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 168.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 9 Clock To: 1st Value:

Value Percent:

Continuous Index:

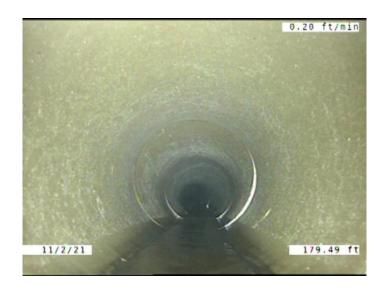
Within 8" of Joint:

Remarks:

2nd Value:

YES

5.000



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 179.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 182.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 3
Clock To:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 189.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 9

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: CM

Description: Crack Multiple

Distance (ft): 190.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
Clock To: 2
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 225.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 3

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: CS

Description: Crack Spiral

Distance (ft): 231.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10
Clock To: 11
1st Value:
2nd Value:

Continuous Index: Within 8" of Joint:

Value Percent:

ithin 8" of Joint: YES



Code: CM

Description: Crack Multiple

Distance (ft): 246.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index: **S04**Within 8" of Joint: **YES** 

Remarks: Wandering



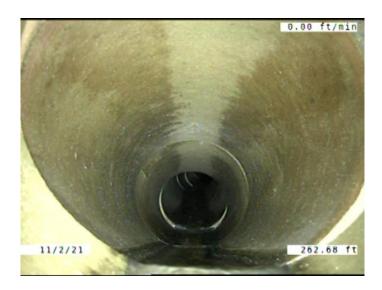
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 256.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 3

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO



Code: LD

Description: Line Down

Distance (ft): 262.7
Structural Grade: 0
O&M Grade: 2

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: JAL

Description: Joint Angular Large

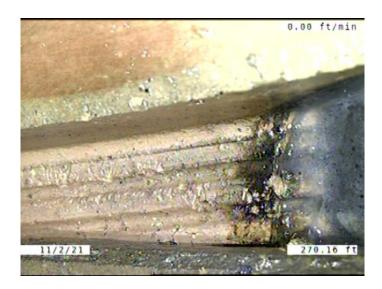
Distance (ft): 264.1
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: **SOIL VISIBLE** 



Code: JAL

Description: Joint Angular Large

Distance (ft): 270.2
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: CM

Description: Crack Multiple

Distance (ft): 272.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:

Continuous Index: F04
Within 8" of Joint: YES

Value Percent:

Remarks: Wandering



Code: AMH
Description: Manhole

Distance (ft): 291.8
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks: **M-505-054** 

NO