

MH 5846-136  
Approx depth = 12.8 ft

Install 627 lf of 8" Cured-in-Place Liner  
from MH 5846-028 to MH 5846-136

MH 5846-139  
Not measured

MH 5846-028  
Approx depth = 11.7 ft

**SITE 17**





# Television Inspection Master Report

8/19/2010

7:47 AM

US Structure: 5846-028      5506      GILBERT ST      Date Insp: 6/6/2008      Basin: E04D  
 DS Structure: 5846-136      600      MARCILENE ST      Dir Televised: Upstream To Downstream

**Pipe Information**

Project No. : E-030      Dia/Ht: 8      Material: VCP      Length: 604.4      Slope: 0.037      Tape ID: DVD #0415

| Obs. #   | VTR Counter | Distance | Location             | Description                         | Rating | Obsrvd (gpm) | Ratings                 |        |       | Remain (gpm) |
|--|-------------|----------|----------------------|-------------------------------------|--------|--------------|-------------------------|--------|-------|--------------|
|  |             |          |                      |                                     |        |              | Est. (gpm)              | Struct | Clean |              |
| 1  |             | 0.0      | US Manhole           | 5846-028 / CO.2,H2S.0,02-20.5,LEL.5 |        |              |                         |        |       |              |
| 2  |             | 19.2     | Upper Right          | Crack-Radial                        | 3      |              | 0.004                   | 5      | 0     | 0.004        |
| 3  |             | 21.7     | Inserted MH 5846-139 | Unmapped Manhole                    | 1      | -LML         | (manhole not inspected) |        |       |              |
| 4  |             | 26.6     | Upper Left           | Crack-Radial                        | 1      |              | 0.001                   | 1      | 0     | 0.001        |
| 5  |             | 57.1     | Crown                | Crack-Radial                        | 2      |              | 0.002                   | 2      | 0     | 0.002        |
| 6  |             | 59.2     | West                 | Break-In Conn                       | 3      |              | 0.004                   | 2      | 0     | 0.004        |
| 5506 E GILBERT      4" Break In Connection <b>Comment:</b> ROOTS & BROKEN PIPE   |             |          |                      |                                     |        |              |                         |        |       |              |
| 7  |             | 60.6     | East                 | Wye Service                         | 1      |              | 0.000                   | 0      | 0     | 0.000        |
| 655 S EDGEMOOR      4" Clay Wye Connection <b>Comment:</b> ROOTS   |             |          |                      |                                     |        |              |                         |        |       |              |
| 8  |             | 63.6     |                      | Sealed Off Wye West                 | 1      |              | 0.000                   | 0      | 0     | 0.000        |
| 652 S MARCILENE      4" Clay Wye Connection  |             |          |                      |                                     |        |              |                         |        |       |              |
| 9  |             | 109.2    | East                 | Wye Service                         | 3      |              | 0.000                   | 2      | 0     | 0.000        |
| 653 S EDGEMOOR      4" Clay Wye Connection <b>Comment:</b> ROOTS   |             |          |                      |                                     |        |              |                         |        |       |              |
| 10   |             | 112.3    | West                 | Wye Service                         | 1      |              | 0.000                   | 0      | 0     | 0.000        |
| 652 S MARCILENE      4" Clay Wye Connection  |             |          |                      |                                     |        |              |                         |        |       |              |
| 11   |             | 145.9    |                      | Break-In Conn                       | 2      |              | 0.002                   | 0      | 0     | 0.002        |
| 648 S MARCILENE      4" Break In Connection <b>Comment:</b> CRACKS   |             |          |                      |                                     |        |              |                         |        |       |              |
| 13   |             | 160.3    |                      | Begin internal CIPP sleeve repair   | 1      |              |                         |        |       |              |
| 12   |             | 161.1    | East                 | Break-In Conn                       | 1      |              | 0.001                   | 0      | 0     | 0.001        |
| 647 S EDGEMOOR      4" Break In Connection   |             |          |                      |                                     |        |              |                         |        |       |              |
| 14   |             | 166.3    | Upper Right          | End internal CIPP sleeve repair     | 1      |              |                         |        |       |              |
| 15   |             | 208.3    | West                 | Break-In Conn                       | 1      |              | 0.001                   | 0      | 0     | 0.001        |
| 642 S MARCILENE      4" Break In Connection  |             |          |                      |                                     |        |              |                         |        |       |              |
| 16   |             | 213.3    | East                 | PVC Break-In Conn                   | 1      |              | 0.001                   | 0      | 0     | 0.001        |
| 643 S EDGEMOOR      4" Break In Connection   |             |          |                      |                                     |        |              |                         |        |       |              |
| 17   |             | 216.8    | West                 | Wye Service                         | 3      |              | 0.000                   | 2      | 0     | 0.000        |
| 642 S MARCILENE      4" Clay Wye Connection <b>Comment:</b> BROKEN INSIDE WYE<br>(contractor needs to identify if this is still an active service or not) -LML |             |          |                      |                                     |        |              |                         |        |       |              |
| 18   |             | 237.6    | Crown                | Broken Pipe                         | 1      |              | 0.004                   | 30     | 0     | 0.004        |
| 19   |             | 246.4    |                      | PR Starts - Mat. Chngs to PVC       | 2      |              | 0.000                   | 0      | 0     | 0.000        |
| 20   |             | 247.8    | West                 | PVC Break-In Conn                   | 2      |              | 0.002                   | 0      | 0     | 0.002        |
| 626 S MARCILENE      4" Break In Connection <b>Comment:</b> PUSHED IN  |             |          |                      |                                     |        |              |                         |        |       |              |
| 21   |             | 249.9    |                      | PR Ends - Mat. Chngs to VCP         | 1      |              | 0.000                   | 0      | 0     | 0.000        |
| 22   |             | 261.9    | Joint                | Roots                               | 1      |              | 0.002                   | 1      | 1     | 0.002        |



# Television Inspection Master Report

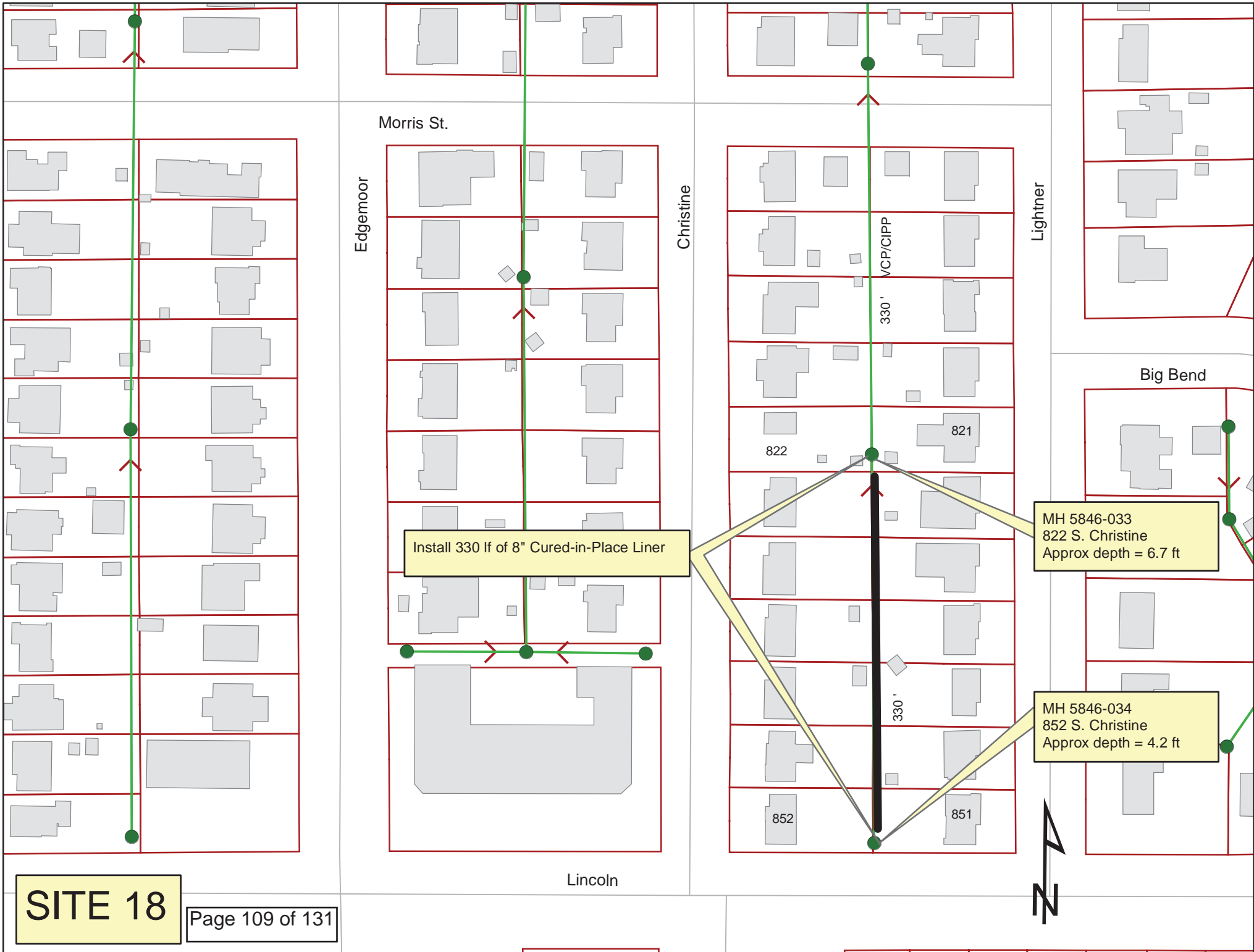
8/19/2010

7:47 AM

US Structure: 5846-028      5506    GILBERT ST      Date Insp:    6/6/2008      Basin:    E04D  
 DS Structure: 5846-136      600    MARCILENE ST    Dir Televised: Upstream To Downstream

|    |  |             |                              |                        |                                       |       |    |   |       |
|----|--|-------------|------------------------------|------------------------|---------------------------------------|-------|----|---|-------|
| 23 | 262.5                                  | East        |                              | Wye Service            | 2                                     | 0.000 | 0  | 0 | 0.000 |
|    | 639 S EDGEMOOR                         |             |                              | 4" Clay Wye Connection | <b>Comment:</b> CRACKS & ROOTS        |       |    |   |       |
| 24 | 265.4                                  | Upper Left  |                              | Crack-Radial           | 2                                     | 0.002 | 2  | 0 | 0.002 |
| 25 | 266.3                                  |             |                              | Sealed Off Wye West    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 26 | 292.6                                  | Crown       | (multiple horizontal cracks) | Crack-Radial           | 2                                     | 0.002 | 2  | 0 | 0.002 |
| 27 | 295.7                                  | Crown       | (multiple horizontal cracks) | Broken Pipe            | 3                                     | 0.010 | 60 | 0 | 0.010 |
| 28 | 299.0                                  | Crown       | (multiple horizontal cracks) | Broken Pipe            | 3                                     | 0.010 | 60 | 0 | 0.010 |
| 29 | 315.5                                  |             |                              | Sealed Off Wye East    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 30 | 318.6                                  | West        |                              | Wye Service            | 2                                     | 0.000 | 0  | 0 | 0.000 |
|    | 624 S MARCILENE                        |             |                              | 4" Clay Wye Connection | <b>Comment:</b> OFFSET AT FIRST JOINT |       |    |   |       |
| 31 | 347.9                                  | Upper Right |                              | Broken Pipe            | 2                                     | 0.008 | 44 | 0 | 0.008 |
| 32 | 363.0                                  | Lower Left  |                              | Crack-Radial           | 2                                     | 0.002 | 2  | 0 | 0.002 |
| 33 | 364.4                                  |             |                              | Sealed Off Wye East    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 34 | 366.7                                  | West        |                              | Wye Service            | 3                                     | 0.000 | 2  | 0 | 0.000 |
|    | 622 S MARCILENE                        |             |                              | 4" Clay Wye Connection | <b>Comment:</b> ROOTS                 |       |    |   |       |
| 35 | 415.6                                  | East        |                              | Wye Service            | 1                                     | 0.000 | 0  | 0 | 0.000 |
|    | 623 & 625 S EDGEMOOR                   |             |                              | 4" Clay Wye Connection |                                       |       |    |   |       |
| 36 | 419.4                                  | West        |                              | Wye Service            | 1                                     | 0.000 | 0  | 0 | 0.000 |
|    | 620 S MARCILENE                        |             |                              | 4" Clay Wye Connection |                                       |       |    |   |       |
| 37 | 430.8                                  | West        |                              | Break-In Conn          | 3                                     | 0.004 | 2  | 0 | 0.004 |
|    | 620 S MARCILENE                        |             |                              | 4" Break In Connection | <b>Comment:</b> ROOTS                 |       |    |   |       |
| 38 | 465.3                                  |             |                              | Sealed Off Wye East    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 39 | 468.7                                  |             |                              | Sealed Off Wye West    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 40 | 499.5                                  | West        |                              | Break-In Conn          | 2                                     | 0.002 | 0  | 0 | 0.002 |
|    | 618 S MARCILENE                        |             |                              | 4" Break In Connection | <b>Comment:</b> ROOTS                 |       |    |   |       |
| 41 | 513.5                                  | East        |                              | Wye Service            | 1                                     | 0.000 | 0  | 0 | 0.000 |
|    | 611 S EDGEMOOR                         |             |                              | 4" Clay Wye Connection |                                       |       |    |   |       |
| 42 | 517.7                                  |             |                              | Sealed Off Wye West    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 43 | 544.0                                  | Upper Right |                              | Broken Pipe            | 2                                     | 0.008 | 44 | 0 | 0.008 |
| 44 | 547.1                                  | West        |                              | Break-In Conn          | 2                                     | 0.002 | 0  | 0 | 0.002 |
|    | 610 S MARCILENE                        |             |                              | 4" Break In Connection | <b>Comment:</b> CRACKS                |       |    |   |       |
| 45 | 562.9                                  | East        |                              | Wye Service            | 1                                     | 0.000 | 0  | 0 | 0.000 |
|    | 609 & 607 S EDGEMOOR                   |             |                              | 4" Clay Wye Connection |                                       |       |    |   |       |
| 46 | 565.9                                  |             |                              | Sealed Off Wye West    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 47 | 591.8                                  | East        |                              | Break-In Conn          | 3                                     | 0.004 | 2  | 0 | 0.004 |
|    | 5521 E ORME (protrudes slightly – LML) |             |                              | 4" Break In Connection | <b>Comment:</b> ROOTS                 |       |    |   |       |
| 48 | 615.9                                  |             |                              | Sealed Off Wye East    | 1                                     | 0.000 | 0  | 0 | 0.000 |
| 49 | 627.1                                  | DS Manhole  | 5846-136                     |                        | 1                                     |       |    |   |       |

This line has a history of high maintenance.



Install 330 lf of 8" Cured-in-Place Liner

MH 5846-033  
822 S. Christine  
Approx depth = 6.7 ft

MH 5846-034  
852 S. Christine  
Approx depth = 4.2 ft





## Video Inspection Master Report

3/1/2013

2:41 PM

US Structure: 5846-034      852 S CHRISTINE ST      Date Insp: 5/5/2011      Basin: E04D  
 DS Structure: 5846-033      822 S CHRISTINE ST      Dir Televised: Upstream To Downstream

**Pipe Information**

Project No. : F-144      Dia/Ht: 8      Material: VCP      Length: 329.3

| Obs. #  | VTR Counter | Distance | Location           | Description       | Rating | Obsrvd (gpm) | Ratings    |        |       | Remain (gpm) |
|---|-------------|----------|--------------------|-------------------|--------|--------------|------------|--------|-------|--------------|
|   |             |          |                    |                   |        |              | Est. (gpm) | Struct | Clean |              |
| 1   |             | 0.0      |                    | US Manhole        | 1      | 0.000        | 0          | 0      | 0.000 |              |
| 2   |             | 6.0      |                    | Roots             | 2      | 0.004        | 2          | 4      | 0.004 |              |
| 3   |             | 23.8     |                    | Crack-Radial      | 3      | 0.004        | 5          | 0      | 0.004 |              |
| 4   |             | 25.6     |                    | Wye Service       | 4      | 0.000        | 60         | 0      | 0.000 |              |
| 852 S CHRISTINE                                 |             |          |                    |                   |        |              |            |        |       |              |
| 5   |             | 27.4     |                    | Wye Service       | 3      | 0.000        | 2          | 0      | 0.000 |              |
| 851 S LIGHTNER                                  |             |          |                    |                   |        |              |            |        |       |              |
| 6   |             | 36.6     |                    | Crack-Horizontal  | 3      | 0.004        | 5          | 0      | 0.004 |              |
| 7   |             | 45.6     |                    | Roots             | 1      | 0.002        | 1          | 1      | 0.002 |              |
| 8   |             | 45.9     |                    | Crack-Radial      | 3      | 0.004        | 5          | 0      | 0.004 |              |
| 9   |             | 73.9     |                    | Break-In Conn     | 3      | 0.004        | 2          | 0      | 0.004 |              |
| 848 S CHRISTINE                                 |             |          |                    |                   |        |              |            |        |       |              |
| 10  |             | 77.0     |                    | Wye Service       | 3      | 0.000        | 2          | 0      | 0.000 |              |
| 847 S LIGHTNER                                  |             |          |                    |                   |        |              |            |        |       |              |
| 11  |             | 126.3    |                    | Break-In Conn     | 3      | 0.004        | 2          | 0      | 0.004 |              |
| 842 S CHRISTINE                                 |             |          |                    |                   |        |              |            |        |       |              |
| 12  |             | 130.8    |                    | Wye Service       | 4      | 0.000        | 60         | 0      | 0.000 |              |
| 841 S LIGHTNER                                  |             |          |                    |                   |        |              |            |        |       |              |
| 13  |             | 132.2    |                    | Roots             | 2      | 0.004        | 2          | 4      | 0.004 |              |
| 14  |             | 178.9    |                    | PVC Break-In Conn | 5      | 0.010        | 400        | 0      | 0.010 |              |
| 838 S CHRISTINE / cracks all around the PVC tap |             |          |                    |                   |        |              |            |        |       |              |
| 15  |             | 182.0    |                    | Wye Service       | 3      | 0.000        | 2          | 0      | 0.000 |              |
| 837 S LIGHTNER                                  |             |          |                    |                   |        |              |            |        |       |              |
| 16  |             | 207.1    |                    | Crack-Horizontal  | 5      | 0.010        | 18         | 0      | 0.010 |              |
| 17  |             | 215.8    |                    | Roots             | 1      | 0.002        | 1          | 1      | 0.002 |              |
| 18  |             | 239.3    |                    | Wye Service       | 5      | 0.000        | 400        | 0      | 0.000 |              |
| 832 S CHRISTINE                                 |             |          |                    |                   |        |              |            |        |       |              |
| 19  |             | 242.2    |                    | Wye Service       | 1      | 0.000        | 0          | 0      | 0.000 |              |
| 831 S LIGHTNER                                  |             |          |                    |                   |        |              |            |        |       |              |
| 20  |             | 293.8    | Stopped Inspection | Extended Tap      | 5      | 0.002        | 400        | 0      | 0.002 |              |
| 828 S CHRISTINE                                 |             |          |                    |                   |        |              |            |        |       |              |

293.8 PVC tap has slid 1/2 way into the main. Tap to be removed "by others" prior to liner installation.  
 No reverse setup was done. TV is incomplete and is missing the downstream 36 feet of pipe. - LML