

## **Defect Listing**

| Pipe Segment Refere |                      | С                       | ity   | Street              | Mat        | erial            | Location C              | Sewer Use |  |
|---------------------|----------------------|-------------------------|---|---------------------|------------|------------------|-------------------------|-----------|--|
| C-15_               | _C-14                | Oliver Springs Easement |   | Fibreglass Reinforc |            | Easement/R       | Sanitary                |           |  |
| Upstre              | ream MH Total Length |                         | Year Laid   | Shape               |            | Location Details |                         |           |  |
| C-                  | 15                   | 17                      | 2.1   |                     | Circular   |                  |                         |           |  |
| DS Ma               | anhole               | Length s                | ength surveyed Year Renewed Height Width Pipe Joint |                     | Pipe Joint |                  |                         |           |  |
| C-                  | 14                   | 172.1                   |   |                     | 8          | 8                | N/A                     |           |  |
| SPR                 | N/A                  | MPR                     | 8   | PO Number           |            |                  | Customer                |           |  |
| ODDI                | -                    | MDDI                    |   | 4397-03             |            |                  | GRW                     |           |  |
| SPRI                | N/A                  | MPRI                    | 4   | Work Order          |            | Purpose          |                         |           |  |
| QSR                 | N/A                  | QMR                     | 4200  | 4397-02             |            | Pre-             | e-Rehabilitation Survey |           |  |
| OF                  | PR                   | Surve                   | yed By  | Direction           | Da         | ate              | Media label             |           |  |
| 8                   | 8                    | Barry_Rogers            |   | Downstream          | 20150724   |                  |                         |           |  |
| OF                  | PRI                  | Certificate Number      |   | Pre-Cleaning        | Time       |                  | Weather                 |           |  |
| 4                   |                      | U-1012-16405            |   | Jetting             | 13:22      |                  | Saturated               |           |  |
|                     |                      | Date C                  | leaned  |                     | End Time   |                  | Additional Info         |           |  |
|                     |                      | 2015                    | 0724  |                     | 13         | :29              |                         |           |  |

| Distance  | Condition            | Cont. Dfct. | Values |     |    | 1 - 1 - 1 | Clock Position |    | Oneste |
|-----------|----------------------|-------------|--------|-----|----|-----------|----------------|----|--------|
| Distance  | Condition            | Cont. Dict. | 1st    | 2nd | %  | Joint     | At/From        | То | Grade  |
| 0.0 ft.   | Access Point Manhole |             |        |     | 0  |           |                |    |        |
| Remarks:  | C-15                 |             |        |     |    |           |                |    |        |
| 0.0 ft.   | Water Level          |             |        |     | 30 |           |                |    |        |
| 65.7 ft.  | Camera Underwater    | S01         |        |     | 0  |           |                |    | 4      |
| 74.5 ft.  | Camera Underwater    | F01         |        |     | 0  |           |                |    | 4      |
| 79.4 ft.  | Tap Factory Made     |             | 6      |     | 0  |           | 9              |    |        |
| 170.1 ft. | Water Level          |             |        |     | 30 |           |                |    |        |
| 172.1 ft. | Access Point Manhole |             |        |     | 0  |           |                |    |        |
| Remarks:  | C-14                 |             |        |     |    |           |                |    |        |





## **Image Report 4/Page**

| Pipe Segment Refere | City              | Street       | Material            |       | Location C       | Sewer Use |
|---------------------|-------------------|--------------|---------------------|-------|------------------|-----------|
| C-15_C-14           | Oliver Springs    | Easement     | Fibreglass Reinforc |       | Easement/R       | Sanitary  |
| Upstream MH         | Total Length      | Year Laid    | Shape               |       | Location Details |           |
| C-15                | C-15 172.1 Circul |              | cular               |       |                  |           |
| DS Manhole          | Length surveyed   | Year Renewed | Height              | Width | Pipe Joint       |           |
| C-14                | 172.1             |              | 8                   | 8     | N/A              |           |



Distance: 0.0 ft. Grade: 0

Condition: Access Point Manhole

Remarks: C-15



Distance: 0.0 ft. Grade: (

Condition: Water Level

Remarks: N/A



Distance: 65.7 ft. Grade: 4

Condition: Camera Underwater

Remarks: N/A



Distance: 74.5 ft. Grade: 4

Condition: Camera Underwater

Remarks: N/A





## Image Report 4/Page

| Pipe Segment Refere | City            | Street       | Material            |       | Location C       | Sewer Use |
|---------------------|-----------------|--------------|---------------------|-------|------------------|-----------|
| C-15_C-14           | Oliver Springs  | Easement     | Fibreglass Reinforc |       | Easement/R       | Sanitary  |
| Upstream MH         | Total Length    | Year Laid    | Shape               |       | Location Details |           |
| C-15                | 172.1           |              | Circular            |       |                  |           |
| DS Manhole          | Length surveyed | Year Renewed | Height              | Width | Pipe Joint       |           |
| C-14                | 172.1           |              | 8                   | 8     | N/A              |           |



Distance: 79.4 ft. Grade: 0

Condition: Tap Factory Made

Remarks: N/A



Distance: 170.1 ft. Grade:

Condition: Water Level

Remarks: N/A



Distance: 172.1 ft. Grade: Condition:

Access Point Manhole

Remarks: C-14



## **PACP Conditions**

| Pipe Segment Refere |                | С                  | ity      | Street       | Mat        | terial    | Location C               | Sewer Use       |  |
|---------------------|----------------|--------------------|----------|--------------|------------|-----------|--------------------------|-----------------|--|
| C-15_               | _C-14          | Oliver             | Springs  | Easement     | Fibreglass | Reinforc  | Easement/R               | Sanitary        |  |
| Upstrea             | am MH          | Total I            | Length   | Year Laid    | Sh         | ape       | Location Details         |                 |  |
| C-                  | 15             | 17                 | 2.1      |              | Circ       | cular     |                          |                 |  |
| DS Ma               | anhole         | Length s           | surveyed | Year Renewed | Height     | Width     | idth Pipe Joint          |                 |  |
| C-                  | 14             | 172.1              |          |              | 8          | 8         | N/A                      |                 |  |
| SPR                 | N/A            | MPR                | 8        | PO Number    |            |           | Customer                 |                 |  |
| 0001                |                |                    |          | 4397-03      |            |           | GRW                      |                 |  |
| SPRI                | N/A            | MPRI               | 4        | Work Order   |            | Purpose   |                          |                 |  |
| QSR                 | N/A            | QMR                | 4200     | 4397-02      |            | Pre-      | re-Rehabilitation Survey |                 |  |
| OF                  | PR             | Surve              | yed By   | Direction    | Date       |           | Media label              |                 |  |
| 8                   | 3              | Barry_Rogers       |          | Downstream   | 20150724   |           |                          |                 |  |
| OF                  | PRI            | Certificate Number |          | Pre-Cleaning | Time       |           | Weather                  |                 |  |
| 4                   | 4 U-1012-16405 |                    | Jetting  | 13:22        |            | Saturated |                          |                 |  |
|                     |                | Date C             | leaned   |              | End Time   |           | Additio                  | Additional Info |  |
|                     |                | 2015               | 0724     |              | 13:29      |           |                          |                 |  |

|                |            |                 | Stru          | ctural Rat | ings            | 0             | & M Ratin  | gs              | Con           | nbined Ra   | tings |
|----------------|------------|-----------------|---------------|------------|-----------------|---------------|------------|-----------------|---------------|-------------|-------|
| Normal Defects |            | Grade<br>Rating | No.<br>Occur. | Rating     | Grade<br>Rating | No.<br>Occur. | Rating     | Grade<br>Rating | No.<br>Occur. | Rating      |       |
|                |            |                 | ,             |            |                 |               |            |                 |               |             |       |
|                |            |                 | 1             | 0          | 0               | 1             | 0          | 0               | 1             | 0           | 0     |
|                |            |                 | 2             | 0          | 0               | 2             | 0          | 0               | 2             | 0           | 0     |
|                |            |                 | 3             | 0          | 0               | 3             | 0          | 0               | 3             | 0           | 0     |
|                |            |                 | 4             | 0          | 0               | 4             | 0          | 0               | 4             | 0           | 0     |
|                |            |                 | 5             | 0          | 0               | 5             | 0          | 0               | 5             | 0           | 0     |
| Code MCU       | ID<br>F01  | Length<br>8.8   | 0             | 0          | 0               | 4             | 2          | 8               | 4             | 2           | 8     |
|                |            |                 | Subtotals     | 0          |                 | Subtotals     | 2          |                 | Subtotals     | 2           |       |
|                |            | Cabiolais       | <u> </u>      |            | Cabiolais       |               |            | Captotals       |               |             |       |
| SI             | JMMA       | RY              | Pi            | ipe Rating | 0               | Pi            | pe Rating  | 8               | Overall P     | ipe Rating  | 8     |
|                | - ·····/ \ |                 | Struct        | ural Index | 0               | 0             | &M Index   | 4.0             | Ove           | erall Index | 4.0   |
|                |            |                 | Str. Qu       | ick Rating | 0000            | O&M Qui       | ick Rating | 4200            | Ovrl. Qu      | ick Rating  | 4200  |