



GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

March 21, 2012

IN REPLY PLEASE

REFER TO FILE: **SM-1**

Mr. Carlos Alba, City Engineer  
City of Artesia  
18747 Clarkdale Avenue  
Artesia, CA 90701

Attention Mr. Hui Lai

Dear Mr. Alba:

### **CONSOLIDATED SEWER MAINTENANCE DISTRICT CONDITION ASSESSMENT PROGRAM REPORTS PROJECT NOS. Y0TV0708C AND Y0TV0809B**

This letter is to inform you that as part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District has completed the closed-circuit television inspection of 164,840 feet or 100 percent of the City of Artesia's sewer system as part of the two inspection projects referenced above.

The enclosed reports for each of the respective inspection projects outline the structural and maintenance ratings of your system based on the Pipeline Assessment and Certification Program's rating methodology. Included in the reports are the following:

- Condition Assessment Report
- Project Overview Map (Enclosure 1)
- Quick Maintenance Rating Report Priority List and Quick Maintenance Rating Map (Enclosure 2)
- High Water Levels List and Map (Enclosure 2)
- Infiltration List and Map (Enclosure 2)
- Quick Structural Rating Report Priority List and Quick Structural Rating Map (Enclosure 3)
- Infrastructure Inspection Reports for Grades 4 and 5 (Enclosure 4)

Mr. Carlos Alba  
March 21, 2012  
Page 2

The Condition Assessment Report will provide you with details regarding the maintenance and structural condition of your City's sewer mainlines. This information should be included in your agency's Sewer System Management Plan as a reference in Chapter 8.0 System Evaluation and Capacity Assurance Plan. The segments with critical maintenance issues have been cleaned and, in some instances, incorporated into our enhanced maintenance schedule for continued monitoring. In addition, the segments with severe structural defects have either been repaired or will be scheduled for repair as part of the ongoing Accumulative Capital Outlay Project.

If you have any questions regarding this report or the Condition Assessment Program, please contact Mr. Robert Swartz, Sewer Maintenance Division, at (626) 300-3367, Monday through Friday, 8 a.m. to 4 p.m., or [rswartz@dpw.lacounty.gov](mailto:rswartz@dpw.lacounty.gov).

Very truly yours,

GAIL FARBER  
Director of Public Works



KEITH E. LEHTO  
Assistant Deputy Director  
Sewer Maintenance Division

EL:sb  
H:\SMHOME\GYoung\Memos.Letters\2348.doc

Enc.

bc: Programs Development (Chinn)

KL, MM, RS, FV, File (Project Y0TV0708C & Y0TV0809B), SPINDLE

**CONDITION ASSESSMENT REPORT  
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
CONSOLIDATED SEWER MAINTENANCE DISTRICT**

**100 PERCENT SUMMARY**

|                     |                         |
|---------------------|-------------------------|
| SUP. DISTRICT(S) 4  | MAP PAGE(S): 2029, 2030 |
| Report By: Eric Liu | Report Date: 07/25/2011 |

**INTRODUCTION**

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 164,840 feet or 100 percent of the City of Artesia’s (City) sewer system.

The CCTV inspection in the City was completed as part of Project Nos. Y0TV0708C and Y0TV0809B. Enclosed for your reference are the reports.

**SUMMARY MAINTENANCE REPORT**

Our inspection revealed that approximately 94 percent of the system televised was free of blockages or restrictions that would impede sewer flows. The remaining 6 percent of the inspected pipe segments within the City area had a Pipeline Assessment and Certification Program (PACP) maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. Corrective actions to mitigate the deficiencies in these segments have been taken as noted in the enclosed reports.

**QUICK MAINTENANCE RATING TABLE**

| DEFECT GRADE         | PIPE LENGTH (FT) | PERCENT TOTAL INSPECTED PIPE LENGTH | NO. SEGMENTS |
|----------------------|------------------|-------------------------------------|--------------|
| 1: Minor             | 39,731           | 24.1                                | 180          |
| 2: Minor to Moderate | 105,345          | 63.9                                | 442          |
| 3: Moderate          | 9,843            | 6.0                                 | 38           |
| 4: Significant       | 4,927            | 3.0                                 | 20           |
| 5: Most Significant  | 4,994            | 3.0                                 | 23           |
| TOTAL                | 164,840          | 100.0                               | 703          |

## **SUMMARY STRUCTURAL REPORT**

Our inspection revealed that approximately 96.9 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 3.1 percent of the inspected pipe segments had a PACP structural grade of 4 or 5 as indicated in the Quick Structural Rating Table shown below. The priority lists for these items are located in the enclosed reports.

### **QUICK STRUCTURAL RATING TABLE**

| <b>DEFECT GRADE</b>  | <b>PIPE LENGTH (FT)</b> | <b>PERCENT TOTAL INSPECTED PIPE LENGTH</b> | <b>NO. SEGMENTS</b> |
|----------------------|-------------------------|--|---------------------|
| 1: Minor             | 108,532                 | 65.9                                       | 480                 |
| 2: Minor to Moderate | 18,166                  | 11.0                                       | 73                  |
| 3: Moderate          | 32,993                  | 20.0                                       | 129                 |
| 4: Significant       | 3,293                   | 2.0  | 12                  |
| 5: Most Significant  | 1,856                   | 1.1  | 9                   |
| TOTAL                | 164,840                 | 100.0                                      | 703                 |

**CONDITION ASSESSMENT REPORT  
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS  
CONSOLIDATED SEWER MAINTENANCE DISTRICT**

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|                   |            |              |                    |
|-------------------|------------|--------------|--------------------|
| PROJECT NAME:     | Y0TV0708C  | PROJECT MGR: | Fernando Villaluna |
| PROJECT DATE:     | 04/14/2008 | CONTACT NO:  | (626) 300-3380     |
| SUP. DISTRICT(s): | 4          | MAP PAGE(S): | 2029, 2030         |
| Report By:        | Eric Liu   | Report Date: | 07/19/2011         |

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**INTRODUCTION**

As part of the Sewer Condition Assessment Program, the County of Los Angeles Department of Public Works Consolidated Sewer Maintenance District (District) has completed the closed-circuit television (CCTV) inspection of 74,175 feet or 45 percent of the City of Artesia's (City) sewer system. This is the section of your City located south of 183rd street. Enclosed for your reference is an overview map of the project area within your City (Enclosure 1).

The Sewer Condition Assessment Program utilizes the Pipeline Assessment and Certification Program (PACP Version 6.0.1) Quick Rating methodology to rank the structural and maintenance condition of your system based on industry standards.

**DEFECT GRADE DESCRIPTION**

The Quick Rating indicates the number of occurrences for the highest severity grade for each pipe segment for either maintenance or structural defects. A grade of 1 indicates that a pipe segment is in excellent condition with minor defects while a grade of 5 indicates that a pipe segment may require immediate attention. A detailed breakdown of the five possible defect grades is as follows:

| <b>Grade</b> | <b>Defect Grade Description</b> |
|--------------|---------------------------------|
| <b>1:</b>    | <b>MINOR</b>                    |
| <b>2:</b>    | <b>MINOR TO MODERATE</b>        |
| <b>3:</b>    | <b>MODERATE</b>                 |
| <b>4:</b>    | <b>SIGNIFICANT</b>              |
| <b>5:</b>    | <b>MOST SIGNIFICANT</b>         |

## **MAINTENANCE REPORT**

Our inspection revealed that approximately 95.2 percent of the system televised was free of blockages or restrictions that would impede sewer flows. However, the remaining 4.8 percent of the inspected pipe segments within the City area had a PACP maintenance grade of 4 or 5 as indicated in the Quick Maintenance Rating Table shown below. These segments have been incorporated into our routine cleaning schedule with corrective action taken as noted on the Quick Maintenance Rating Report Priority List (Enclosure 2).

In addition, a color-coded map showing the quick maintenance rating for each pipe segment is provided in Enclosure 2.

### **QUICK MAINTENANCE RATING TABLE**

| <b>DEFECT GRADE</b>  | <b>PIPE LENGTH (FT)</b> | <b>PERCENT TOTAL INSPECTED PIPE LENGTH</b> | <b>NO. SEGMENTS</b> |
|----------------------|-------------------------|--|---------------------|
| 1: Minor             | 38,776                  | 52.3                                       | 175                 |
| 2: Minor to Moderate | 25,645                  | 34.6                                       | 106                 |
| 3: Moderate          | 6,194                   | 8.3  | 24                  |
| 4: Significant       | 2,544                   | 3.4  | 12                  |
| 5: Most Significant  | 1,016                   | 1.4  | 4                   |
| <b>TOTAL</b>         | <b>74,175</b>           | <b>100.0</b>                               | <b>321</b>          |

### ***Lateral Notices***

Also included on the Quick Maintenance Rating Report Priority List are deficiencies discovered inside lateral connections to the mainline. The District does not maintain lateral lines; it is the responsibility of the property owner to maintain their respective lateral lines to facilitate the flow of wastewater from their property to the mainline. A letter will be sent to the lateral owner notifying them of the maintenance issues discovered in their lateral. A sample lateral notice letter is provided in Enclosure 2 for your reference.

### ***High Water Levels***

Our inspection revealed that approximately 97.2 percent of the system televised has adequate capacity. However, the remaining 2.8 percent of the inspected segments included deficiencies associated with high water levels. Capacity of the sewer pipe can be determined by analyzing several PACP codes, including Water Level, Water Mark, and miscellaneous remarks, which have indicated camera underwater or sags in the line. A sewer pipe can be considered at capacity when 50 percent of the diameter of sewer pipe is full of water. However, there are particular conditions in which the water level or water mark has reached 50 percent or greater due to heavy flows in adjoining pipes, a temporary stoppage due to debris in the sewer lines, or a sag in the line.

Therefore, additional review of all pipe segments with such high water level concerns was conducted to determine capacity issues, if any. All sewer pipes where Water Level, Water Mark, and miscellaneous remarks of camera underwater or sags in the line are at or above 50 percent capacity, have been outlined and analyzed on the High Water Level Table in Enclosure 2. The nature of these high water level conditions is also summarized on this table.

***Infiltration***

Our inspection revealed that approximately 1.6 percent of the system included in this project has infiltration within the pipe segment. Infiltration is the ingress of groundwater into the sewers through a defect or porous area of the pipe wall. All sewer pipes where infiltration has been found are listed on the Infiltration Table (Enclosure 2). This table also provides the proposed corrective action for these impacted sewer segments. If a corrective method is proposed, the remediation will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project.

A map showing the sewer lines with high water levels and infiltration is provided in Enclosure 2.

**STRUCTURAL REPORT**

Our inspection revealed that approximately 97.3 percent of the inspected pipe segments within the City were free of severe structural defects. However, the remaining 2.7 percent of the inspected pipe segments had a PACP structural grade of 4 and 5 as indicated in the Quick Structural Rating Table shown below. These segments have been placed on a priority list based on the severity and the need for action. For items 1 through 9 in the Quick Structural Rating Report Priority List (Enclosure 3), which require a corrective action, the proposed repair or replacement will be scheduled in the next 24 months as part of the ongoing Accumulative Capital Outlay Project. A color-coded map showing the Quick Structural Rating for each pipe segment is located in Enclosure 3. Copies of the actual inspection report for these 9 segments are included in Enclosure 4.

**QUICK STRUCTURAL RATING TABLE**

| <b>DEFECT GRADE</b>  | <b>PIPE LENGTH (FT)</b> | <b>PERCENT TOTAL INSPECTED PIPE LENGTH</b> | <b>NO. SEGMENTS</b> |
|----------------------|-------------------------|--|---------------------|
| 1: Minor             | 50,283                  | 67.8                                       | 226                 |
| 2: Minor to Moderate | 8,184                   | 11.0                                       | 31                  |
| 3: Moderate          | 13,699                  | 18.5                                       | 55                  |
| 4: Significant       | 1,088                   | 1.5  | 4                   |
| 5: Most Significant  | 921                     | 1.2  | 5                   |
| <b>TOTAL</b>         | <b>74,175</b>           | <b>100.0</b>                               | <b>321</b>          |

**FUTURE PROJECTS**

The Sewer Condition Assessment Program has performed the following CCTV inspections within the City:

| <b>FISCAL YEAR</b> | <b>PROJECT NAME</b> | <b>LENGTH (FT)</b> | <b>PERCENTAGE OF SYSTEM</b> | <b>STATUS</b> |
|--------------------|---------------------|--------------------|-----------------------------|---------------|
| 2007-08            | Y0TV0708C           | 74,175             | 45.0                        | COMPLETED     |
| 2008-09            | Y0TV0809B           | 90,665             | 55.0                        | COMPLETED     |
| TOTAL              |                     | 164,840            | 100.0                       |               |

CCTV Project Y0TV0708C

City of Artesia

(South of 183rd Street)

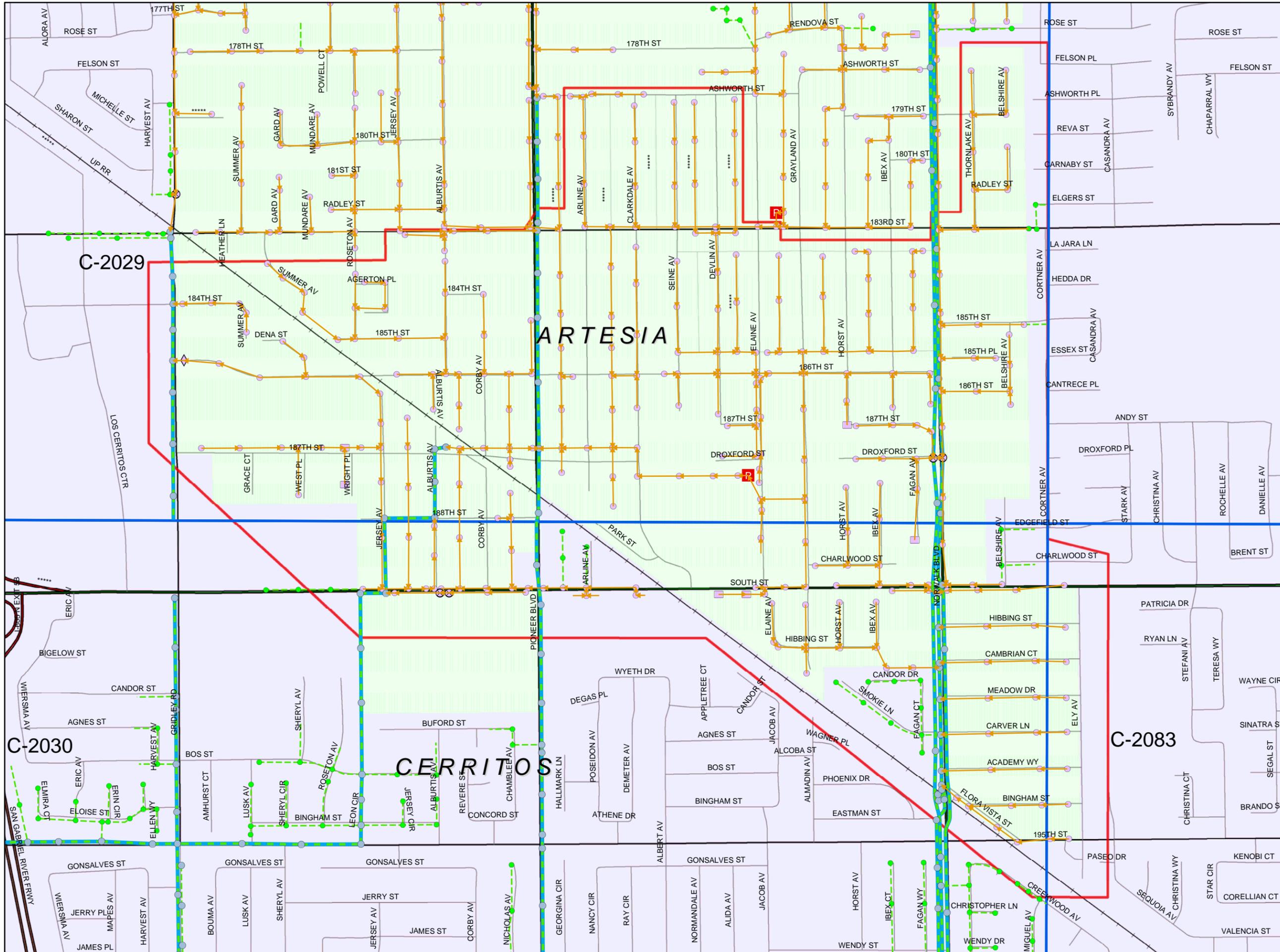
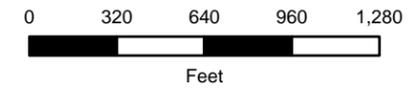
ENCLOSURE 1:

Project Overview Map

# OVERVIEW MAP ARTESIA

## CCTV PROJECT YOTV0708C

Cities of  
Artesia, Hawaiian  
Gardens & Lakewood



### Legend

→ SMD Sanitary Sewers

#### SMD Manholes

- ⊙ Other
- Manhole Type**
- Standard
- ▲ DROP
- Shallow
- ◇ Trap
- ⊗ Siphon
- Ⓟ SMD Pump Stations
- Ⓜ SMD Treatment Plants

#### Maintained by Others:

- Trunk Sewerlines
- - - Non SMD Sanitary Sewers
- Non SMD Maintained MH
- ▭ SMD Operations Maps
- ▭ CCTV PROJECT AREA

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JUNE 2011

## ENCLOSURE 2:

- Quick Maintenance Rating Report  
Priority List
- Quick Maintenance Rating Map
- High Water Levels
- Infiltration
- High Water Levels and Infiltration Map
- Sample Lateral Notice Letter

**ENCLOSURE 2**  
**QUICK MAINTENANCE RATING REPORT PRIORITY LIST**  
**CITY OF ARTESIA (Y0TV0708C)**

as of 04/14/08

| Item No. | QMR  | Start MH  | End MH    | Street                    | Observation  | Corrective Action Taken                                |
|----------|------|-----------|-----------|---------------------------|--|--|
| 1        | 5131 | 2030-0182 | 2030-0187 | ALLEY by SOUTH & JERSEY   | Grease   | Hydro (completed 12/02/09)                             |
| 2        | 512K | 2030-0375 | 2030-0335 | NORWALK BV                | Grease; sag; camera under water                        | Hydro (completed 12/02/09)                             |
| 3        | 512E | 2030-0334 | 2030-0439 | SOUTH ST                  | Grease   | Hydro (completed 12/14/09)                             |
| 4        | 512D | 2030-0336 | 2030-0335 | SOUTH ST                  | Grease; high water mark                                | Hydro (completed 12/02/09)                             |
| 5        | 4228 | 2029-0583 | 2029-0582 | ALLEY by ASHWORTH & SEINE | Deposits; sag; camera under water                      | Hydro (completed 11/25/09)                             |
| 6        | 4134 | 2029-0140 | 2029-0139 | ALLEY by 187th & CORBY    | Deposit encrustation; high water mark;<br>Infiltration | Hydro (completed 11/25/09)                             |
| 7        | 4133 | 2030-0183 | 2030-0038 | ALBURTIS AV               | Infiltration   | Hydro (completed 12/02/09)                             |
| 8        | 4132 | 2029-0139 | 2029-TRNK | 187TH ST                  | High water mark; infiltration                          | Hydro (completed 11/25,24/09)                          |
| 9        | 4127 | 2030-0191 | 2030-0184 | ALLEY by SOUTH & CORBY    | Grease; Infiltration                                   | Hydro (completed 12/02/09)                             |
| 10       | 4122 | 2029-0159 | 2029-0158 | 187TH ST                  | Roots  | Rodder (completed 11/18/09) Hydro (completed 11/25/09) |
| 11       | 4122 | 2030-0341 | 2030-0441 | SOUTH ST                  | Grease; high water mark                                | Hydro (completed 12/14/09)                             |
| 12       | 4112 | 2029-0467 | 2029-0466 | ALLEY by NORWALK & 183RD  | High water mark  | Hydro (completed 11/24/09)                             |
| 13       | 4111 | 2029-0444 | 2029-0445 | NORWALK BV                | High water mark; sag                                   | Hydro (completed 11/25/09)                             |
| 14       | 4111 | 2030-0195 | 2030-0194 | SOUTH ST                  | High water mark; sag                                   | Hydro (completed 12/17/09)                             |
| 15       | 4100 | 2029-0492 | 2029-0493 | SEINE AV                  | Grease   | Hydro (completed 11/24/09)                             |
| 16       | 4100 | 2029-0509 | 2029-PUMP | ELAINE AVE                | Rocks; infiltration                                    | Hydro (completed 11/24/09)                             |



**ENCLOSURE 2**  
**HIGH WATER LEVELS**  
**CITY OF ARTESIA (Y0TV0708C)**  
as of 04/14/08

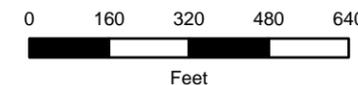
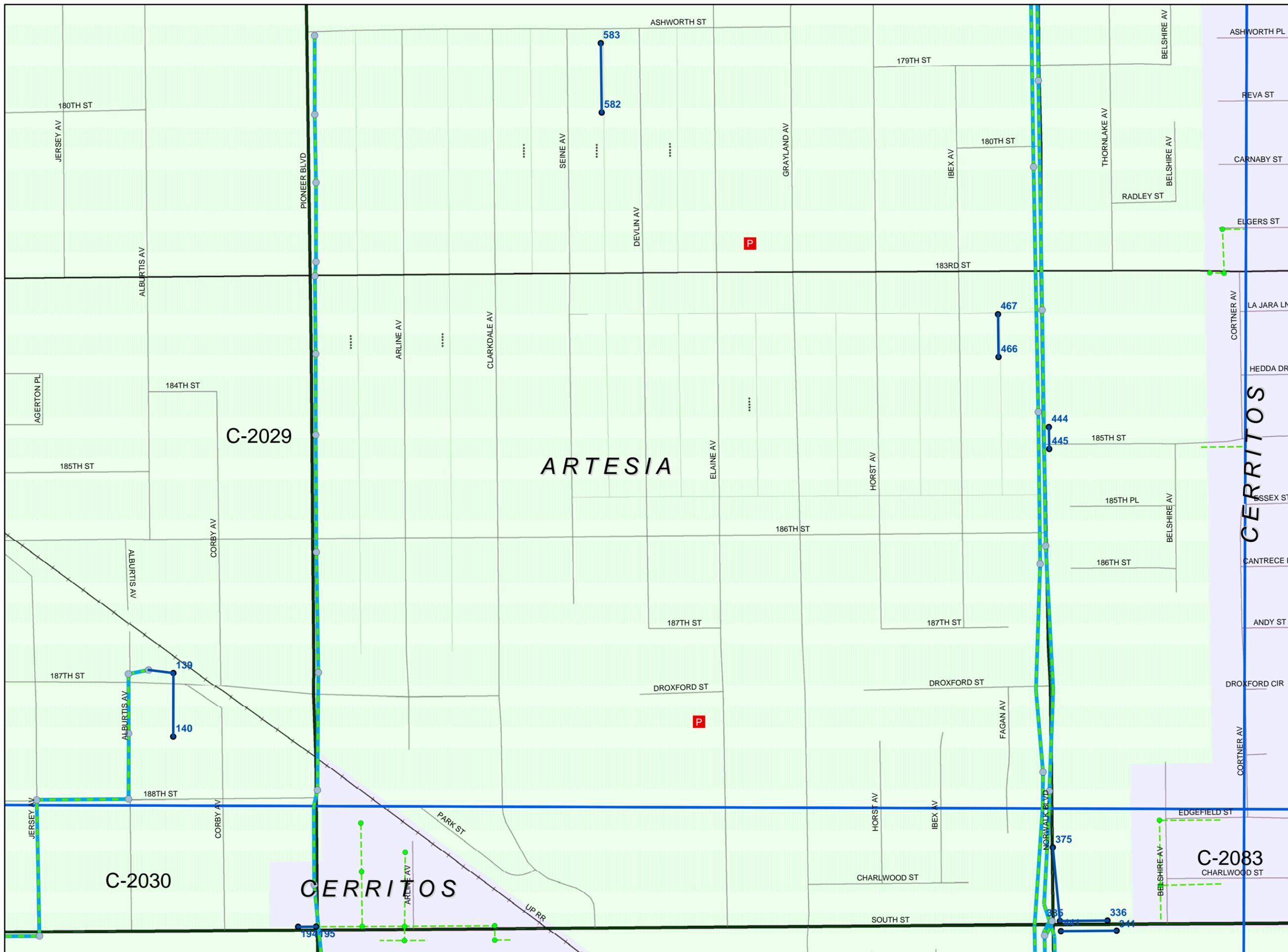
| Item No. | QMR  | START MH  | END MH    | STREET                    | OBSERVATION                | SAG (ft)  |     |
|----------|------|-----------|-----------|---------------------------|----------------------------|---|-----|
| 1        | 512K | 2030-0375 | 2030-0335 | NORWALK BV                | Sag                        | (30% - 50%): 75' - 180'; (50% - 80%): 190' - End MH | 270 |
| 2        | 512D | 2030-0336 | 2030-0335 | SOUTH ST                  | High water mark            |   |     |
| 3        | 4228 | 2029-0583 | 2029-0582 | ALLEY by ASHWORTH & SEINE | Sag                        | (50% - 80%): 170' - 196'                            | 26  |
| 4        | 4134 | 2029-0140 | 2029-0139 | ALLEY by 187th & CORBY    | High water mark            |   |     |
| 5        | 4132 | 2029-0139 | 2029-TRNK | 187TH ST                  | High water mark            |   |     |
| 6        | 4122 | 2030-0341 | 2030-0441 | SOUTH ST                  | High water mark            |   |     |
| 7        | 4112 | 2029-0467 | 2029-0466 | ALLEY by NORWALK & 183RD  | High water mark            |   |     |
| 8        | 4111 | 2029-0444 | 2029-0445 | NORWALK BV                | High water mark; small sag | (30% - 45%): Start MH - End MH                      | 56  |
| 9        | 4111 | 2030-0195 | 2030-0194 | SOUTH ST                  | High water mark; small sag | (30% - 45%): 15' - 40'                              | 25  |

# ENCLOSURE 2

## CCTV PROJECT YOTV0708C

### ARTESIA

#### HIGH WATER LEVELS



#### Legend

- High Water Levels
- SMD Manholes
  - Other
- Manhole Type
  - Standard
  - DROP
  - Shallow
  - Trap
  - Siphon
  - MH: High Water Levels
  - SMD Pump Stations
  - SMD Treatment Plants
- Maintained by Others:
  - Trunk Sewerlines
  - Non SMD Sanitary Sewers
  - Non SMD Maintained MH
  - SMD Operations Maps
  - CCTV PROJECT AREA

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JULY 2011

**ENCLOSURE 2**  
**INFILTRATION**  
**CITY OF ARTESIA (Y0TV0708C)**  
as of 04/14/08

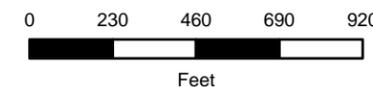
| <b>Item No.</b> | <b>QMR</b> | <b>START MH</b> | <b>END MH</b> | <b>STREET</b>          | <b>OBSERVATION</b>                             | <b>Proposed Corrective Method</b>          |
|-----------------|------------|-----------------|---------------|------------------------|--|--|
| 1               | 4134       | 2029-0140       | 2029-0139     | ALLEY by 187th & CORBY | Infiltration dripper: 37', 137', 326'          | Infiltration is minimal. No action needed. |
| 2               | 4133       | 2030-0183       | 2030-0038     | ALBURTIS AV            | Infiltration runner: 177'; dripper: 155', 213' | Infiltration is minimal. No action needed. |
| 3               | 4132       | 2029-0139       | 2029-TRNK     | 187TH ST               | Infiltration dripper: 128', 133'               | Infiltration is minimal. No action needed. |
| 4               | 4126       | 2030-0191       | 2030-0184     | ALLEY by SOUTH & CORBY | Infiltration runner: 284'                      | Infiltration is minimal. No action needed. |
| 5               | 4100       | 2029-0509       | 2029-PUMP     | ELAINE AV              | Infiltration dripper: 55'                      | Infiltration is minimal. No action needed. |

# ENCLOSURE 2

## CCTV PROJECT YOTV0708C

### ARTESIA

## INFILTRATION

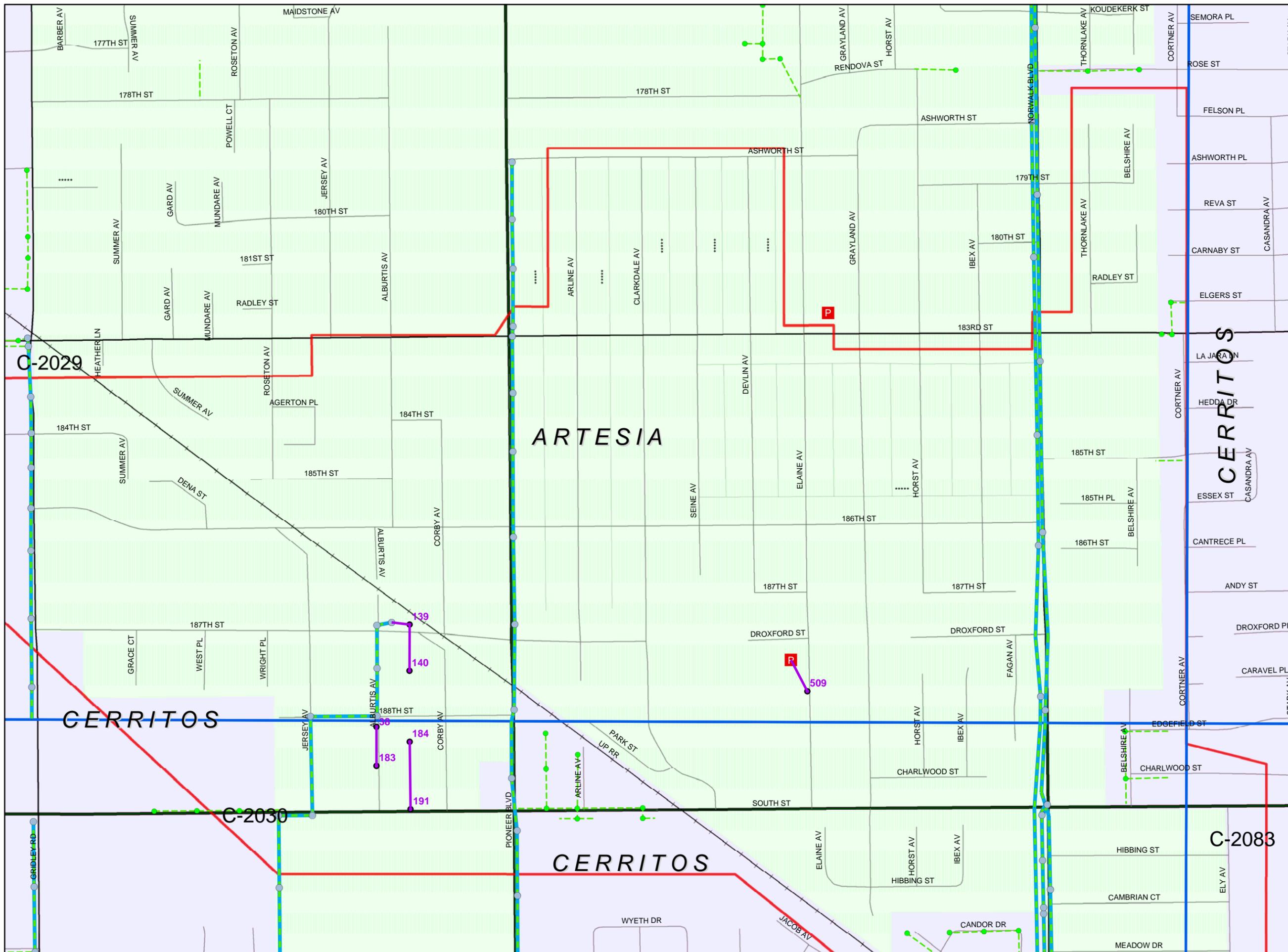


### Legend

- Infiltration
- SMD Manholes**
  - Other
- Manhole Type**
  - Standard
  - DROP
  - Shallow
  - Trap
  - Siphon
  - MH: Infiltration
  - SMD Pump Stations
  - SMD Treatment Plants
- Maintained by Others:**
  - Trunk Sewerlines
  - Non SMD Sanitary Sewers
  - Non SMD Maintained MH
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  - CCTV PROJECT AREA

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JULY 2011





GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

May 26, 2011

IN REPLY PLEASE

REFER TO FILE: SM-1

Dear:

### SEWER LATERAL ROOT INTRUSION

As the agency responsible for the maintenance of the sanitary sewer system in your area, the County of Los Angeles Consolidated Sewer Maintenance District (District) is providing you with this letter informing you that the sewer lateral serving the property located at XXXX, requires maintenance and is in violation of **County Code 20.24.080 Maintenance of Sewer Laterals**, which states:

***"All house laterals, industrial connection sewers, septic tank outlet connections to STEP system, and appurtenances thereto existing as of January 23, 1953, or thereafter constructed, shall be maintained by the owner of the property served in a safe and sanitary condition, and all devices or safeguards which are required by this Division 2 for the operation thereof shall be maintained in good working order."***

Using closed-circuit television (CCTV) camera technology, the District recently televised the sanitary sewer mainline and discovered the presence of roots in your sewer lateral connection. The intrusion of the roots from your lateral may block the flow of sewage in the mainline sewer causing a sanitary sewer overflow upstream of your property.

Since the CCTV inspection, the sewer mainline has been cleaned and blockages from root growth have been removed; however, the root blockage in your sewer lateral is still present. As the property owner, you are responsible for the entire length of the sewer lateral, which includes the portion that extends beyond the property line into the public right of way. We request that you contact a qualified plumbing contractor to service

May 26, 2011  
Page 2

your sewer lateral within 90 days to remove roots and any other obstructions that may cause a sewage backup.

Prior to your plumbing contractor servicing your lateral, please notify the District's sewer maintenance yard in your area at XXXX to arrange for authorization to access the downstream manhole.

During your lateral service, your plumbing contractor must protect the District's sewer mainlines from dislodged roots and other debris by utilizing catcher baskets at the manhole downstream from your lateral connection.

After your lateral has been serviced, please notify the District office, XXXX, Sewer Maintenance Division, at XXXX.

For your reference, we have enclosed photos of your lateral connection showing the presence of the root blockage. Also enclosed are some literature on ways of minimizing sewer overflows and damage to your home.

Thank you for helping the Department of Public Works keep the public's sewers clean and in good working order.

Very truly yours,

GAIL FARBER  
Director of Public Works

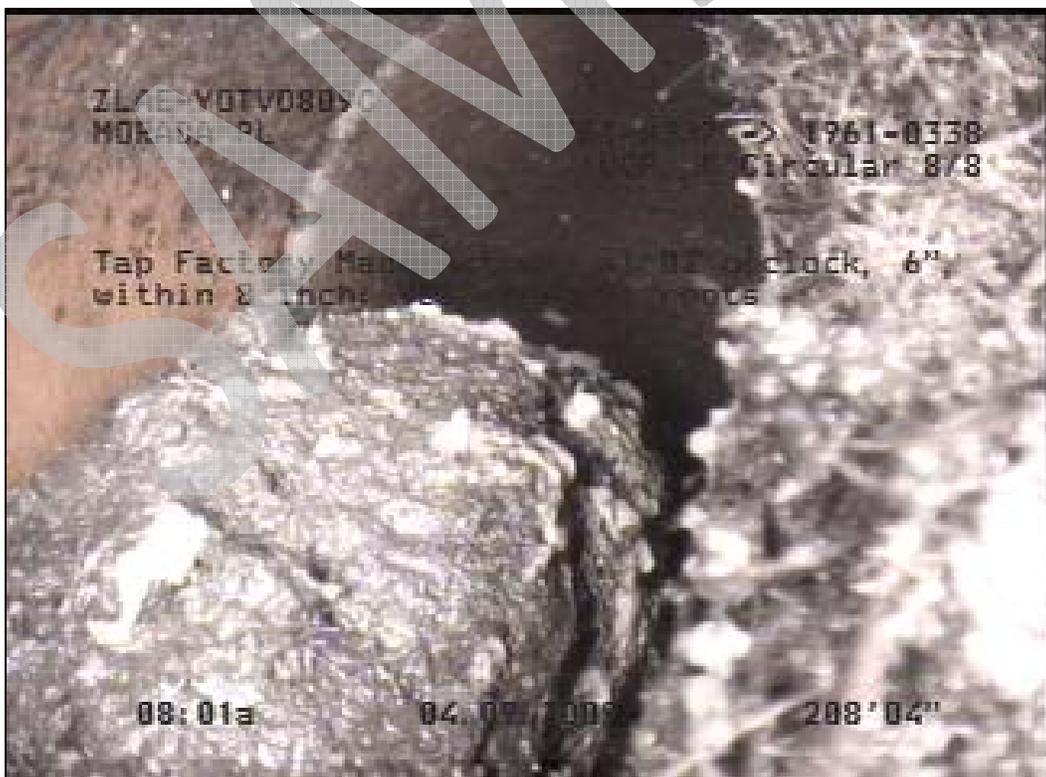
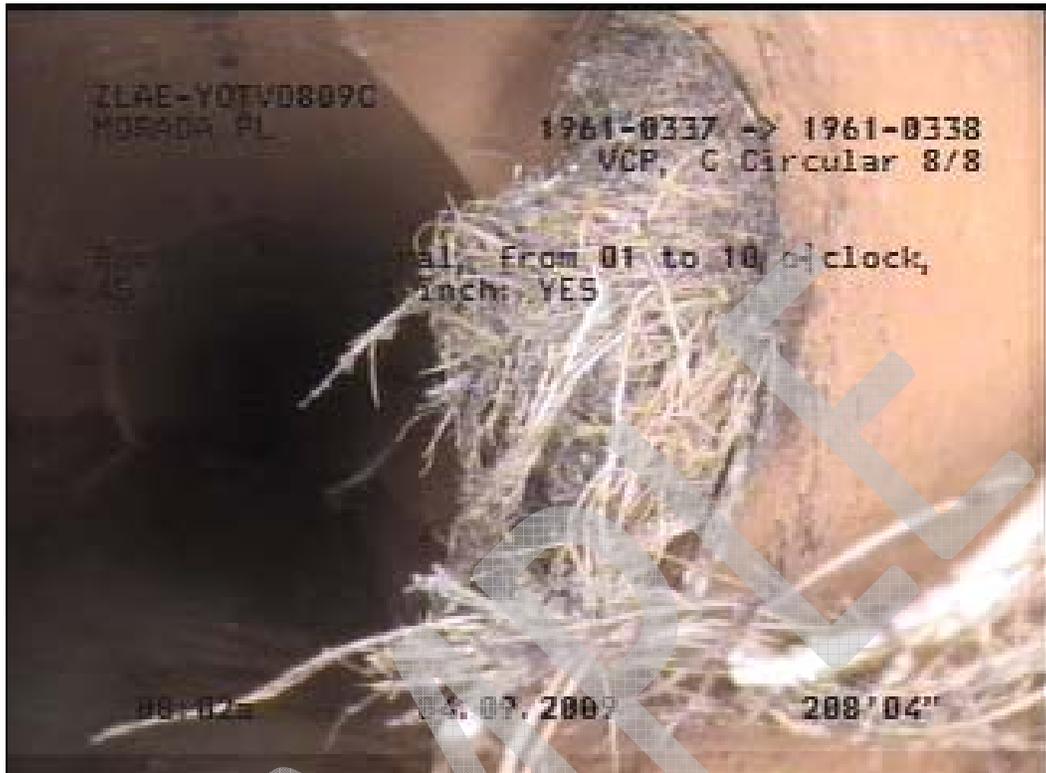
KEITH LEHTO  
Assistant Deputy Director  
Sewer Maintenance Division

EL:

Enc.

bc: KL, MM, RS, FV, RH, File (Lateral Notice), SPINDLE

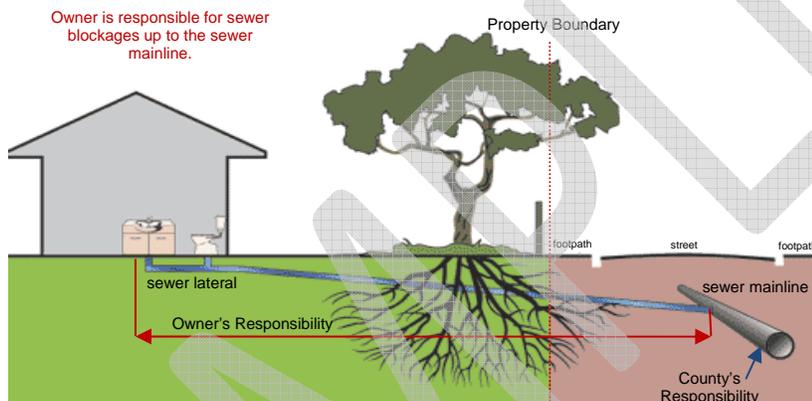
XXXX  
Roots at Lateral Connection



## Minimizing Sewer Overflows and Damage to Your Home

The sewer system within the County of Los Angeles Consolidated Sewer Maintenance District (District) is comprised of a series of underground pipes. Many are publicly owned; however, the sewer laterals are entirely owned by the private property owner they serve. The laterals extend from the building to the mainline within the street (or within an easement at the rear of your home). The laterals are typically four inches in diameter while the District's mainline is typically at least eight inches in diameter. The private property owner is responsible for the entire length of the lateral, which includes that portion that may be located within the public right of way (under the asphalt and street landscaping).

### SEWER LATERALS – AREAS OF RESPONSIBILITY



Sewer backups can cause tremendous damage to the interior of a home. In order to minimize these, the District provides continual maintenance services for the public sewer mainlines.

Unfortunately, sewer laterals are often not maintained by private property owners until a disaster strikes. "Out of sight, out of mind" is a typical approach to sewer lateral maintenance and operation by many. It is our hope that we can provide you various means of addressing these issues and thus minimize your risk of an overflow entering your home.

The three methods we suggest are:

1. Maintain your lateral through proper cleaning, repair, and replacement
2. Do not place improper items into the sewer or make improper connections to the sewer
  - a. Keep rainwater out of the sewer lines as it overwhelms the capacity of the sewer lines and may cause sewer spills.
  - b. Do not pour fats, oils, and grease in your drains as these products harden and stick to the inside of the sewer pipes, which build up and may eventually cause a blockage in the sewer pipe.
3. Install a backflow preventer and cleanout in your sewer lateral.

## ENCLOSURE 3:

- Quick Structural Rating Report  
Priority List
- Quick Structural Rating Map

**ENCLOSURE 3**  
**QUICK STRUCTURAL RATING REPORT PRIORITY LIST**  
**CITY OF ARTESIA (Y0TV0708C)**

as of 04/14/08

| Item No. | QSR  | Start MH  | End MH    | Street                       | Observation: Location   | Proposed Corrective Method                            | Length of Repair (FT) |
|----------|------|-----------|-----------|------------------------------|---|---|-----------------------|
| 1        | 5221 | 2030-0186 | 2030-0187 | SOUTH ST                     | Hole with soil visible: 25'; hole with void visible: 36'; multiple cracks | Lining: MH to MH                                      | 198                   |
| 2        | 5141 | 2029-0507 | 2029-0497 | ELAINE AV                    | Broken: 175'  | Lining: MH to MH                                      | 205                   |
| 3        | 5133 | 2029-0586 | 2029-0587 | Alley                        | Broken and multiple fractures: 286'                                       | Lining: MH to MH                                      | 332                   |
| 4        | 5121 | 2029-0501 | 2029-0500 | ELAINE AV                    | Collapsed: 42'  | Emergency Contract (point repair): Completed 02/24/09 | -                     |
| 5        | 5111 | 2029-0117 | 2029-0628 | 183RD ST                     | Broken: 20'   | Structural integrity in tact. No action needed.       | -                     |
| 6        | 4133 | 2029-0120 | 2029-0129 | ALBURTIS AV                  | Broken: 274'  | Structural integrity in tact. No action needed.       | -                     |
| 7        | 4131 | 2029-0121 | 2029-0122 | CORBY AV                     | Multiple fractures: 40'   | Structural integrity in tact. No action needed.       | -                     |
| 8        | 4121 | 2029-0128 | 2029-0129 | ALBURTIS AV                  | Joint offset (large): 88'   | Structural integrity in tact. No action needed.       | -                     |
| 9        | 4100 | 2030-0351 | 2030-0350 | Easement by IBEX and HIBBING | Broken: 43'   | Lining: MH to MH                                      | 157                   |



## ENCLOSURE 4:

Infrastructure Inspection Reports  
for Grades 4 and 5



## Inspection report

|                                     |                                   |                                 |                                      |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|--------------------------------|----------------------|
| Date:<br><b>02/20/2008</b>          | P.O.#:<br><b>Y0TV0708C</b>        | Weather:<br><b>Light Rain</b>   | Surveyed By:<br><b>Martin Garcia</b> | section number:<br><b>1047</b> | PSR:<br><b>14623</b> |
| Total Pipe Length:<br><b>209.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/18/2008</b>     | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|   |                                     |  |
|---|-------------------------------------|--|
| Street: <b>SOUTH ST</b>                             | Flow Control: <b>Not Controlled</b> | Start MH: <b>2030-0186</b>             |
| City: <b>ART</b>                                    | Year Renewed:                       | End MH: <b>2030-0187</b>               |
| Location Code: <b>Main Highway - Suburban/Rural</b> | Tape/Media #: <b>M313-012</b>       | Total length surveyed: <b>198.2 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Maintenance Related</b>     | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0186/2030-0187/2030</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:372 | position | code    | observation  | MPEG     | photo   | grade |
|-------|----------|---------|--|----------|---------|-------|
|       | 0.00     | AMH     | Manhole, within 8 inch: NO, Remarks: 2030-0186                                 | 00:00:29 | 3306    |       |
|       | 0.10     | VC      | Vermin Cockroach, within 8 inch: NO  | 00:00:45 | 3307    | M 1   |
|       | 17.10    | MWL     | Water Level, 15 %, within 8 inch: NO   | 00:01:46 | 3308    | M 2   |
|       | 25.80    | HSV     | Hole Soil Visible, from 4 to 5 o'clock, within 8 inch: NO                      | 00:02:44 | 3309, b | S 5   |
|       | 32.50    | DAGS    | Deposits Attached Grease, at 2 o'clock, 5 %, within 8 inch: NO                 | 00:03:53 | 3312, b | M 2   |
|       | 34.80    | DAGS    | Deposits Attached Grease, at 2 o'clock, 5 %, within 8 inch: NO                 | 00:04:30 | 3314, b | M 2   |
|       | 35.70    | CC      | Crack Circumferential, from 11 to 1 o'clock, within 8 inch: YES                | 00:05:06 | 3316, b | S 1   |
|       | 36.50    | HVV     | Hole Void Visible, from 11 to 1 o'clock, within 8 inch: NO                     | 00:05:46 | 3318, b | S 5   |
|       | 36.60    | FC      | Fracture Circumferential, from 10 to 11 o'clock, within 8 inch: NO             | 00:06:31 | 3320, b | S 2   |
|       | 51.00    | CC      | Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES                | 00:07:34 | 3322, b | S 1   |
|       | 54.10    | DAGS    | Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO         | 00:08:09 | 3324, b | M 2   |
|       | 57.60    | CC      | Crack Circumferential, from 9 to 3 o'clock, within 8 inch: YES                 | 00:08:49 | 3326, b | S 1   |
|       | 61.00    | S1 DAGS | Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO, Start  | 00:09:26 | 3328    | M 2   |
|       | 74.40    | F1 DAGS | Deposits Attached Grease, from 10 to 2 o'clock, 5 %, within 8 inch: NO, End    | 00:10:09 | 3329    | M 2   |
|       | 76.70    | CC      | Crack Circumferential, from 8 to 1 o'clock, within 8 inch: YES                 | 00:10:42 | 3330, b | S 1   |
|       | 81.60    | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES                | 00:11:31 | 3332, b | S 1   |
|       | 83.20    | TFC     | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                        | 00:12:03 | 3334    |       |
|       | 87.50    | S2 DAGS | Deposits Attached Grease, from 10 to 2 o'clock, 10 %, within 8 inch: NO, Start | 00:12:28 | 3335, b | M 2   |
|       | 115.60   | F2 DAGS | Deposits Attached Grease, from 10 to 2 o'clock, 10 %, within 8 inch: NO, End   | 00:14:21 | 3339    | M 2   |
|       | 121.40   | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES                | 00:14:52 | 3340, b | S 1   |
|       | 125.10   | CC      | Crack Circumferential, from 10 to 1 o'clock, within 8 inch: YES                | 00:15:29 | 3342, b | S 1   |
|       | 132.50   | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES                | 00:16:27 | 3344, b | S 1   |
|       | 140.30   | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES                | 00:17:56 | 3346, b | S 1   |
|       | 144.80   | CC      | Crack Circumferential, from 12 to 1 o'clock, within 8 inch: YES                | 00:18:40 | 3348, b | S 1   |
|       | 146.80   | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES                | 00:19:24 | 3350, b | S 1   |



## Inspection report

|                                     |                                   |                                 |                                      |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|--------------------------------|----------------------|
| Date:<br><b>02/20/2008</b>          | P.O.#:<br><b>Y0TV0708C</b>        | Weather:<br><b>Light Rain</b>   | Surveyed By:<br><b>Martin Garcia</b> | section number:<br><b>1047</b> | PSR:<br><b>14623</b> |
| Total Pipe Length:<br><b>209.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/18/2008</b>     | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

| 1:372 | position      | code    | observation  | MPEG     | photo   | grade |
|-------|---------------|---------|--|----------|---------|-------|
|       | <u>146.80</u> | CC      | Crack Circumferential, from 10 to 2 o'clock, within 8 inch: YES              | 00:19:24 | 3350, b | S 1   |
|       | <u>149.40</u> | CC      | Crack Circumferential, from 12 to 2 o'clock, within 8 inch: YES              | 00:20:11 | 3352, b | S 1   |
|       | <u>151.10</u> | S3 DAGS | Deposits Attached Grease, from 9 to 3 o'clock, 5 %, within 8 inch: NO, Start | 00:20:47 | 3354, b | M 2   |
|       | <u>153.70</u> | TF      | Tap Factory, at 9 o'clock, 6", within 8 inch: NO                             | 00:21:13 | 3356, b |       |
|       | <u>164.10</u> | CC      | Crack Circumferential, from 7 to 3 o'clock, within 8 inch: YES               | 00:22:07 | 3358, b | S 1   |
|       | <u>168.80</u> | F3 DAGS | Deposits Attached Grease, from 9 to 3 o'clock, 5 %, within 8 inch: NO, End   | 00:22:43 | 3360    | M 2   |
|       | <u>173.90</u> | CC      | Crack Circumferential, from 11 to 1 o'clock, within 8 inch: YES              | 00:23:18 | 3361, b | S 1   |
|       | <u>177.10</u> | DAGS    | Deposits Attached Grease, from 11 to 1 o'clock, 5 %, within 8 inch: NO       | 00:23:57 | 3363, b | M 2   |
|       | <u>183.50</u> | CC      | Crack Circumferential, from 11 to 1 o'clock, within 8 inch: YES              | 00:24:51 | 3365    | S 1   |
|       | <u>194.70</u> | CC      | Crack Circumferential, from 11 to 1 o'clock, within 8 inch: YES              | 00:26:05 | 3366, b | S 1   |
|       | <u>198.20</u> | VC      | Vermin Cockroach, within 8 inch: NO  | 00:26:43 | 3368    | M 1   |
|       | <u>198.20</u> | AMH     | Manhole, within 8 inch: NO, Remarks: 2030-0187                               | 00:27:03 | 3369    |       |



## Inspection report

|                                     |                                   |                                 |  |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--|--------------------------------|----------------------|
| Date:<br><b>02/11/2008</b>          | P.O.#:<br><b>YOTV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Gilbert Contreras</b> | section number:<br><b>436</b>  | PSR:<br><b>14929</b> |
| Total Pipe Length:<br><b>228.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/08/2008</b>         | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Street: <b>ELAINE AV</b>            | Flow Control: <b>Not Controlled</b> | Start MH: <b>2029-0507</b>             |
| City: <b>ART</b>                    | Year Renewed:                       | End MH: <b>2029-0497</b>               |
| Location Code: <b>Light Highway</b> | Tape/Media #: <b>G312-004</b>       | Total length surveyed: <b>202.9 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Routine Assessment</b>      | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0497/2029-0507/2029</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:500 | position | code  | observation  | MPEG     | photo  | grade |
|-------|----------|-------|--|----------|--------|-------|
|       | 0.00     | AMH   | Manhole, within 8 inch: NO, Remarks: 2029-0507                           | 00:00:43 | 821    |       |
|       | 5.00     | MWL   | Water Level, 5 %, within 8 inch: NO                                      | 00:01:07 | 822    | M 2   |
|       | 21.00    | FC    | Fracture Circumferential, from 2 to 4 o'clock, within 8 inch: YES        | 00:02:03 | 823, b | S 2   |
|       | 21.00    | FC    | Fracture Circumferential, from 9 to 2 o'clock, within 8 inch: YES        | 00:02:53 | 825, b | S 2   |
|       | 34.50    | TFC   | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                  | 00:04:00 | 827    |       |
|       | 43.10    | TFC   | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                  | 00:05:03 | 828    |       |
|       | 66.70    | CM    | Crack Multiple, from 9 to 1 o'clock, within 8 inch: YES                  | 00:06:15 | 829, b | S 3   |
|       | 72.70    | CM    | Crack Multiple, from 8 to 4 o'clock, within 8 inch: YES                  | 00:07:17 | 831, b | S 3   |
|       | 83.00    | TF    | Tap Factory, at 3 o'clock, 6", within 8 inch: NO                         | 00:08:02 | 833    |       |
|       | 94.90    | TFC   | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                  | 00:08:40 | 834    |       |
|       | 134.70   | TFC   | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                  | 00:10:03 | 835    |       |
|       | 146.40   | TFC   | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                  | 00:10:39 | 836    |       |
|       | 175.00   | FC    | Fracture Circumferential, from 4 to 8 o'clock, within 8 inch: YES        | 00:12:10 | 837    | S 2   |
|       | 176.20   | BSV   | Broken Soil Visible, from 7 to 6 o'clock, within 8 inch: YES             | 00:14:10 | 838, b | S 5   |
|       | 176.20   | FM    | Fracture Multiple, from 7 to 5 o'clock, within 8 inch: YES               | 00:14:59 | 842, b | S 4   |
|       | 176.20   | JOM   | Joint Offset Medium, within 8 inch: YES                                  | 00:15:53 | 844, b | S 1   |
|       | 179.40   | S1 FC | Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start | 00:17:49 | 846, b | S 2   |
|       | 179.40   | CM    | Crack Multiple, from 7 to 6 o'clock, within 8 inch: YES                  | 00:18:11 | 848, b | S 3   |
|       | 181.60   | F1 FC | Fracture Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End   | 00:19:26 | 850    | S 2   |
|       | 182.20   | FC    | Fracture Circumferential, from 4 to 10 o'clock, within 8 inch: YES       | 00:20:18 | 851, b | S 2   |
|       | 188.10   | S2 CM | Crack Multiple, from 9 to 5 o'clock, within 8 inch: YES, Start           | 00:21:13 | 853, b | S 3   |
|       | 195.30   | TFC   | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                  | 00:22:53 | 855    |       |
|       | 199.80   | F2 CM | Crack Multiple, from 9 to 5 o'clock, within 8 inch: YES, End             | 00:23:27 | 856    | S 3   |
|       | 202.90   | AMH   | Manhole, within 8 inch: NO, Remarks: 2029-0497                           | 00:24:15 | 857    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 5141 | 2100 | 37  | 2   | 39  | 2.64 | 2    | 2.6  |





## Inspection report

|                                     |                                   |                                 |                                      |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|--------------------------------|----------------------|
| Date:<br><b>02/15/2008</b>          | P.O.#:<br><b>Y0TV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Martin Garcia</b> | section number:<br><b>1002</b> | PSR:<br><b>14633</b> |
| Total Pipe Length:<br><b>172.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/11/2008</b>     | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|   |                                     |                                      |
|---|-------------------------------------|--------------------------------------|
| Street: <b>SOUTH ST</b>                             | Flow Control: <b>Not Controlled</b> | Start MH: <b>2030-0197</b>           |
| City: <b>ART</b>                                    | Year Renewed:                       | End MH: <b>2030-0196</b>             |
| Location Code: <b>Main Highway - Suburban/Rural</b> | Tap/Media #: <b>M313-009</b>        | Total length surveyed: <b>199 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Maintenance Related</b>     | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0196/2030-0197/2030</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:500 | position | code  | observation   | MPEG     | photo   | grade |
|-------|----------|-------|---|----------|---------|-------|
|       |          |       |   |          |         |       |
|       | 0.00     | AMH   | Manhole, within 8 inch: NO, Remarks: 2030-0197                        | 00:00:29 | 2463    |       |
|       | 0.00     | VC    | Vermin Cockroach, within 8 inch: NO                                   | 00:00:44 | 2464    | M 1   |
|       | 1.70     | HVV   | Hole Void Visible, from 7 to 9 o'clock, within 8 inch: YES            | 00:01:09 | 2465, b | S 5   |
|       | 4.80     | MWL   | Water Level, 15 %, within 8 inch: NO                                  | 00:01:39 | 2467    | M 2   |
|       | 11.10    | CC    | Crack Circumferential, from 8 to 12 o'clock, within 8 inch: YES       | 00:02:23 | 2468, b | S 1   |
|       | 73.60    | TFC   | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO               | 00:05:05 | 2470    |       |
|       | 109.10   | CL    | Crack Longitudinal, at 2 o'clock, within 8 inch: YES                  | 00:07:04 | 2471, b | S 2   |
|       | 112.20   | CC    | Crack Circumferential, from 2 to 5 o'clock, within 8 inch: YES        | 00:07:46 | 2473, b | S 1   |
|       | 121.30   | CC    | Crack Circumferential, from 8 to 9 o'clock, within 8 inch: YES        | 00:08:43 | 2475, b | S 1   |
|       | 127.50   | CC    | Crack Circumferential, from 9 to 5 o'clock, within 8 inch: YES        | 00:09:35 | 2477, b | S 1   |
|       | 133.70   | CC    | Crack Circumferential, from 7 to 9 o'clock, within 8 inch: YES        | 00:10:17 | 2479, b | S 1   |
|       | 140.00   | CC    | Crack Circumferential, from 10 to 3 o'clock, within 8 inch: YES       | 00:11:05 | 2481, b | S 1   |
|       | 147.20   | TFC   | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO               | 00:11:50 | 2483    |       |
|       | 152.10   | S1 CC | Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, Start | 00:12:30 | 2484, b | S 1   |
|       | 198.80   | F1 CC | Crack Circumferential, from 7 to 5 o'clock, within 8 inch: YES, End   | 00:15:50 | 2488    | S 1   |
|       | 199.00   | AMH   | Manhole, within 8 inch: NO, Remarks: 2030-0196                        | 00:16:20 | 2489    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 5121 | 2111 | 15  | 3   | 18  | 1.5  | 1.5  | 1.5  |



**WinCan America, Inc.**  
 1730 Montano Road NE, Suite E  
 Albuquerque, NM 87107  
 Tel: (505) 341.0109, Fax: (505) 341.0133

## Inspection report

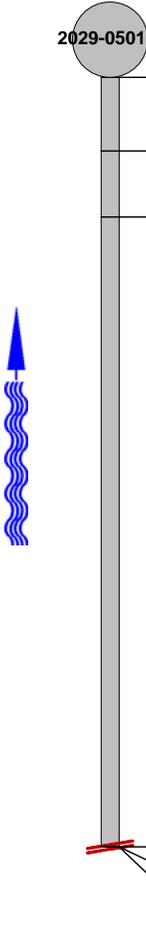
|                                    |                                   |                                 |                                      |                                |                      |
|------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|--------------------------------|----------------------|
| Date:<br><b>02/12/2008</b>         | P.O.#:<br><b>Y0TV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Martin Garcia</b> | section number:<br><b>969</b>  | PSR:<br><b>14932</b> |
| Total Pipe Length:<br><b>93.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/07/2008</b>     | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|                                     |                                     |                                     |
|-------------------------------------|-------------------------------------|-------------------------------------|
| Street: <b>ELAINE AV</b>            | Flow Control: <b>Not Controlled</b> | Start MH: <b>2029-0501</b>          |
| City: <b>ART</b>                    | Year Renewed:                       | End MH: <b>2029-0500</b>            |
| Location Code: <b>Light Highway</b> | Tape/Media #: <b>M313-006</b>       | Total length surveyed: <b>42 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Maintenance Related</b>     | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0500/2029-0501/2029</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:125 | position | code | observation  | MPEG     | photo   | grade |
|-------|----------|------|--|----------|---------|-------|
|       | 0.00     | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0501                         | 00:00:29 | 1461    |       |
|       | 4.00     | MMC  | Material Change, within 8 inch: NO, Remarks: CHANGES TO CAST IRON PIPE | 00:01:15 | 1462, b |       |
|       | 7.60     | MWL  | Water Level, 15 %, within 8 inch: NO                                   | 00:02:43 | 1464    | M 2   |
|       | 42.00    | FC   | Fracture Circumferential, from 10 to 2 o'clock, within 8 inch: YES     | 00:04:43 | 1465, b | S 2   |
|       | 42.00    | XP   | Collapse Pipe Sewer, at 9 o'clock, 45 %, within 8 inch: NO             | 00:06:04 | 1467, b | S 5   |
|       | 42.00    | MSA  | Abandoned Survey, within 8 inch: NO, Remarks: UNABLE TO PASS COLLAPSED | 00:06:52 | 1470    |       |



|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 5121 | 2100 | 7   | 2   | 9   | 3.5  | 2    | 3    |







## Inspection report

|                                     |                                   |                                 |  |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--|--------------------------------|----------------------|
| Date:<br><b>02/12/2008</b>          | P.O.#:<br><b>YOTV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Gilbert Contreras</b> | section number:<br><b>453</b>  | PSR:<br><b>15290</b> |
| Total Pipe Length:<br><b>326.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/11/2008</b>         | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Street: <b>ALBURTIS AV</b>          | Flow Control: <b>Not Controlled</b> | Start MH: <b>2029-0120</b>             |
| City: <b>ART</b>                    | Year Renewed:                       | End MH: <b>2029-0129</b>               |
| Location Code: <b>Light Highway</b> | Tape/Media #: <b>G312-005</b>       | Total length surveyed: <b>316.6 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Routine Assessment</b>      | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0120/2029-0129/2029</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:775 | position      | code | observation   | MPEG     | photo   | grade |
|-------|---------------|------|---|----------|---------|-------|
|       | 0.00          | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0120                                | 00:00:41 | 1208    |       |
|       | <u>5.10</u>   | MWL  | Water Level, 10 %, within 8 inch: NO  | 00:01:11 | 1209    | M 2   |
|       | 34.00         | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                       | 00:02:05 | 1210    |       |
|       | 53.50         | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                       | 00:02:55 | 1211    |       |
|       | 69.50         | TBA  | Tap Break-in Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:03:52 | 1212    |       |
|       | <u>89.10</u>  | FC   | Fracture Circumferential, from 7 to 10 o'clock, within 8 inch: YES            | 00:04:57 | 1213, b | S 2   |
|       | 90.20         | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                       | 00:05:33 | 1215    |       |
|       | 103.10        | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                       | 00:06:14 | 1216    |       |
|       | <u>131.80</u> | CM   | Crack Multiple, from 2 to 6 o'clock, within 8 inch: YES                       | 00:07:34 | 1217, b | S 3   |
|       | <u>131.80</u> | DAE  | Deposits Attached Encrustation, from 2 to 5 o'clock, 5 %, within 8 inch: YES  | 00:07:55 | 1219, b | M 2   |
|       | 143.10        | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                       | 00:08:48 | 1221    |       |
|       | 149.20        | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                       | 00:09:15 | 1222    |       |
|       | <u>160.80</u> | CM   | Crack Multiple, from 2 to 4 o'clock, within 8 inch: YES                       | 00:10:06 | 1223, b | S 3   |
|       | 175.30        | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                       | 00:11:03 | 1225    |       |
|       | <u>183.60</u> | FC   | Fracture Circumferential, from 6 to 10 o'clock, within 8 inch: YES            | 00:11:50 | 1226, b | S 2   |
|       | <u>183.60</u> | DAE  | Deposits Attached Encrustation, from 7 to 10 o'clock, 5 %, within 8 inch: YES | 00:12:11 | 1228, b | M 2   |
|       | 188.10        | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO                       | 00:12:56 | 1230    |       |
|       | 246.50        | TBA  | Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO                      | 00:14:50 | 1231    |       |
|       | <u>247.40</u> | CM   | Crack Multiple, from 9 to 6 o'clock, within 8 inch: YES                       | 00:15:29 | 1232, b | S 3   |
|       | <u>247.40</u> | B    | Broken, from 6 to 8 o'clock, within 8 inch: YES                               | 00:16:18 | 1234, b | S 4   |
|       | 316.60        | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0129                                | 00:18:52 | 1236    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 4133 | 2300 | 17  | 6   | 23  | 2.83 | 2    | 2.56 |



## Inspection report

|                                     |                                   |                                 |  |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--|--------------------------------|----------------------|
| Date:<br><b>02/12/2008</b>          | P.O.#:<br><b>YOTV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Gilbert Contreras</b> | section number:<br><b>451</b>  | PSR:<br><b>15291</b> |
| Total Pipe Length:<br><b>304.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/11/2008</b>         | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Street: <b>CORBY AV</b>             | Flow Control: <b>Not Controlled</b> | Start MH: <b>2029-0121</b>             |
| City: <b>ART</b>                    | Year Renewed:                       | End MH: <b>2029-0122</b>               |
| Location Code: <b>Light Highway</b> | Tape/Media #: <b>G312-005</b>       | Total length surveyed: <b>294.4 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Routine Assessment</b>      | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0121/2029-0122/2029</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:725 | position | code | observation  | MPEG     | photo   | grade |
|-------|----------|------|--|----------|---------|-------|
|       | 0.00     | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0121                               | 00:00:37 | 1169    |       |
|       | 3.00     | DAE  | Deposits Attached Encrustation, from 8 to 3 o'clock, 5 %, within 8 inch: NO  | 00:01:14 | 1170, b | M 2   |
|       | 5.00     | MWL  | Water Level, 10 %, within 8 inch: NO   | 00:01:48 | 1172    | M 2   |
|       | 12.30    | TBA  | Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO                     | 00:02:20 | 1173    |       |
|       | 32.70    | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:03:15 | 1174    |       |
|       | 40.10    | FM   | Fracture Multiple, from 7 to 12 o'clock, within 8 inch: YES                  | 00:04:16 | 1175, b | S 4   |
|       | 44.30    | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                      | 00:04:58 | 1177    |       |
|       | 77.30    | TF   | Tap Factory, at 3 o'clock, 6", within 8 inch: NO                             | 00:06:04 | 1178    |       |
|       | 87.90    | CM   | Crack Multiple, from 7 to 5 o'clock, within 8 inch: YES                      | 00:06:55 | 1179    | S 3   |
|       | 87.90    | DAE  | Deposits Attached Encrustation, from 2 to 5 o'clock, 5 %, within 8 inch: YES | 00:07:32 | 1180    | M 2   |
|       | 92.20    | TFC  | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                      | 00:10:22 | 1181    |       |
|       | 119.90   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:11:26 | 1182    |       |
|       | 137.10   | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                      | 00:12:15 | 1183    |       |
|       | 149.00   | TBA  | Tap Break-in Active, at 9 o'clock, 4", within 8 inch: NO                     | 00:12:57 | 1184    |       |
|       | 155.10   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:13:27 | 1185    |       |
|       | 176.00   | TFC  | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO                      | 00:14:21 | 1186    |       |
|       | 195.80   | DAGS | Deposits Attached Grease, from 7 to 2 o'clock, 10 %, within 8 inch: NO       | 00:17:21 | 1187, b | M 2   |
|       | 196.40   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:17:55 | 1189    |       |
|       | 220.70   | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                      | 00:18:46 | 1190    |       |
|       | 235.80   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:19:24 | 1191    |       |
|       | 259.80   | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO                      | 00:21:26 | 1192    |       |
|       | 273.30   | CL   | Crack Longitudinal, at 9 o'clock, within 8 inch: YES                         | 00:22:03 | 1193, b | S 2   |
|       | 283.60   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO                      | 00:22:46 | 1195    |       |
|       | 294.40   | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0122                               | 00:23:38 | 1196    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 4131 | 2400 | 9   | 8   | 17  | 3    | 2    | 2.43 |



## Inspection report

|                                     |                                   |                                 |  |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--|--------------------------------|----------------------|
| Date:<br><b>02/20/2008</b>          | P.O.#:<br><b>YOTV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Gilbert Contreras</b> | section number:<br><b>537</b>  | PSR:<br><b>15300</b> |
| Total Pipe Length:<br><b>263.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/19/2008</b>         | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|                                     |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Street: <b>ALBURTIS AV</b>          | Flow Control: <b>Not Controlled</b> | Start MH: <b>2029-0128</b>             |
| City: <b>ART</b>                    | Year Renewed:                       | End MH: <b>2029-0129</b>               |
| Location Code: <b>Light Highway</b> | Tape/Media #: <b>G312-011</b>       | Total length surveyed: <b>272.9 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Routine Assessment</b>      | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0128/2029-0129/2029</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:675 | position | code | observation   | MPEG     | photo   | grade |
|-------|----------|------|---|----------|---------|-------|
|       |          |      |   |          |         |       |
|       | 0.00     | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0128              | 00:00:30 | 2484    |       |
|       | 5.00     | S1   | MWLS Water Level Sag, 20 %, within 8 inch: NO, Start        | 00:01:09 | 2485, b | M 2   |
|       | 69.30    | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO     | 00:03:00 | 2487    |       |
|       | 75.10    | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO     | 00:03:25 | 2488    |       |
|       | 75.90    | FM   | Fracture Multiple, from 10 to 6 o'clock, within 8 inch: YES | 00:04:13 | 2489, b | S 4   |
|       | 88.20    | JOL  | Joint Offset Large, within 8 inch: YES                      | 00:05:15 | 2491, b | S 2   |
|       | 100.40   | S2   | JOM Joint Offset Medium, within 8 inch: YES, Start          | 00:06:18 | 2493, b | S 1   |
|       | 149.90   | F2   | JOM Joint Offset Medium, within 8 inch: YES, End            | 00:08:03 | 2495    | S 1   |
|       | 150.40   | TFC  | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO     | 00:08:23 | 2496    |       |
|       | 158.00   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO     | 00:08:51 | 2497    |       |
|       | 174.40   | TFA  | Tap Factory Active, at 9 o'clock, 6", within 8 inch: NO     | 00:09:27 | 2498    |       |
|       | 176.00   | F1   | MWLS Water Level Sag, 20 %, within 8 inch: NO, End          | 00:09:47 | 2499    | M 2   |
|       | 176.00   | MWL  | Water Level, 15 %, within 8 inch: NO                        | 00:10:06 | 2500    | M 2   |
|       | 196.70   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO     | 00:10:44 | 2501    |       |
|       | 204.00   | S3   | MWLS Water Level Sag, 20 %, within 8 inch: NO, Start        | 00:11:11 | 2502, b | M 2   |
|       | 234.40   | S4   | JOM Joint Offset Medium, within 8 inch: YES, Start          | 00:12:35 | 2504, b | S 1   |
|       | 239.00   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO     | 00:13:14 | 2507    |       |
|       | 265.10   | TFA  | Tap Factory Active, at 3 o'clock, 6", within 8 inch: NO     | 00:14:21 | 2508    |       |
|       | 270.10   | F4   | JOM Joint Offset Medium, within 8 inch: YES, End            | 00:14:57 | 2509    | S 1   |
|       | 270.10   | F3   | MWLS Water Level Sag, 20 %, within 8 inch: NO, End          | 00:15:20 | 2510    | M 2   |
|       | 270.10   | MWL  | Water Level, 10 %, within 8 inch: NO                        | 00:15:43 | 2511    | M 2   |
|       | 272.90   | AMH  | Manhole, within 8 inch: NO, Remarks: 2029-0129              | 00:16:35 | 2512    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 4121 | 2600 | 10  | 12  | 22  | 1.67 | 2    | 1.83 |



## Inspection report

|                                     |                                   |                                 |                                      |                                |                      |
|-------------------------------------|-----------------------------------|---------------------------------|--------------------------------------|--------------------------------|----------------------|
| Date:<br><b>02/14/2008</b>          | P.O.#:<br><b>Y0TV0708C</b>        | Weather:<br><b>Dry</b>          | Surveyed By:<br><b>Martin Garcia</b> | section number:<br><b>988</b>  | PSR:<br><b>14434</b> |
| Total Pipe Length:<br><b>195.00</b> | Survey Customer:<br><b>LACDPW</b> | System Owner:<br><b>Artesia</b> | Clean Date:<br><b>02/11/2008</b>     | Pre-Cleaned:<br><b>Jetting</b> | Map Grid #:          |

|   |                                     |  |
|---|-------------------------------------|--|
| Street: <b>0</b>                            | Flow Control: <b>Not Controlled</b> | Start MH: <b>2030-0351</b>             |
| City: <b>ART</b>                            | Year Renewed:                       | End MH: <b>2030-0350</b>               |
| Location Code: <b>Easement/Right of Way</b> | Tape/Media #: <b>M313-008</b>       | Total length surveyed: <b>157.5 ft</b> |

|   |   |
|---|---|
| Purpose: <b>Maintenance Related</b>     | Dia/Height: <b>Circular 8"</b>                          |
| Use: <b>Sanitary</b>                    | Material: <b>Vitrified Clay Pipe</b> Pipe Joint length: |
| Drain. Area: <b>0350/2030-0351/2030</b> | Lining:   |
|   | Category:   |

Comment:  
 Location details:

| 1:400 | position | code | observation   | MPEG     | photo   | grade |
|-------|----------|------|---|----------|---------|-------|
|       |          |      |   |          |         |       |
|       | 0.00     | AMH  | Manhole, within 8 inch: NO, Remarks: 2030-0351            | 00:00:28 | 2075    |       |
|       | 0.00     | VC   | Vermin Cockroach, within 8 inch: NO                       | 00:00:47 | 2076    | M 1   |
|       | 6.40     | MWL  | Water Level, 10 %, within 8 inch: NO                      | 00:01:12 | 2077    | M 2   |
|       | 43.00    | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO   | 00:02:37 | 2078    |       |
|       | 43.00    | FM   | Fracture Multiple, from 7 to 1 o'clock, within 8 inch: NO | 00:03:09 | 2079, b | S 4   |
|       | 45.60    | TFC  | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO   | 00:03:41 | 2081    |       |
|       | 90.20    | TFC  | Tap Factory Capped, at 3 o'clock, 6", within 8 inch: NO   | 00:05:14 | 2082    |       |
|       | 92.80    | TFC  | Tap Factory Capped, at 9 o'clock, 6", within 8 inch: NO   | 00:05:35 | 2083    |       |
|       | 157.50   | VC   | Vermin Cockroach, within 8 inch: NO                       | 00:07:47 | 2084    | M 1   |
|       | 157.50   | AMH  | Manhole, within 8 inch: NO, Remarks: 2030-0350            | 00:08:13 | 2085    |       |

|      |      |     |     |     |      |      |      |
|------|------|-----|-----|-----|------|------|------|
| QSR  | QMR  | SPR | MPR | OPR | SPRI | MPRI | OPRI |
| 4100 | 2112 | 4   | 4   | 8   | 4    | 1.33 | 2    |