

A. Introduction

1. Benton Utilities Sanitary Sewer System serves a population of approx. 30,681
2. Approx. 19 wastewater projects were completed since 2006 to improve the wastewater system and accommodate future growth with a construction cost of approx. \$29.3 million.
3. The Sewer System Evaluation Study (SSES) was performed to inspect the Benton Utilities Gravity Sanitary Sewer System to locate areas of inflow and infiltration (I & I) in order to prevent Sanitary Sewer Overflows (SSOs).

B. Sanitary Sewer Overflows

1. Between August 2008 and July 2010, prior to the implementation of the SSES, a total of 145 SSOs were recorded.

C. Drainage Basins

1. The Benton Utilities sanitary sewer system is divided into eleven (11) drainage basins.
 - a. Basin 5 had the highest concentration of SSOs from January 2008 to June 2013. Basin 5 is located in the oldest part of the city and has the most linear feet of gravity pipe.
 - b. Basin 10 has the highest number of manholes and is also located in an older part of the city.
 - c. Drainage Basins were prioritized. The SSES field investigation began with Basin 5 and 10 and so forth according to the priority number.

D. SSES Investigations

1. Smoke Testing
 - a. Benton Utilities Smoke Test Field Inspection Form
2. Manhole Inspection Program
 - a. Benton Utilities Manhole Field Inspection Form
3. Closed Circuit Television (CCTV) Inspection
 - a. Benton Utilities Cleaning and Video Field Inspection Form
 - b. BU started with mainlines that have a known history of reoccurring maintenance issues.

E. Rehabilitation Plan

1. Benton Utilities Sanitary Sewer Manhole Repair Record
2. Benton Utilities Sanitary Sewer Gravity Main Repair Record
3. Benton Utilities Service Line Repair Record.

F. Find and Fix

1. A process by which critical system repairs were made in a more timely and cost-effective manner.
 - a. Service Line Repairs
 1. All 399 cleanout leaks have been repaired
 2. All 204 service line leaks have been repaired

2. Pipe bursting
 - a. BU currently maintains a pipe bursting contract with an on-call contractor
 - b. Budget is approx. \$200,000 per year

G. Recommended Rehabilitation Plan

1. Recommended Infiltration Removal

- a. Includes 3,634 identified repairs to manholes within the gravity sewer system.
- b. The estimated capital cost would be approximately \$1.78 million.
- c. Infiltration sources from manholes are corrected by the following repairs:
 1. Replace Manhole
 2. Replace Bench & Trough or Repair Around Pipe
 3. Remove Roots
 4. Replace Cover
 5. Raise Rim
 6. Seal Rim or Extension
 7. Cementitious Lining

2. Recommended Inflow Removal

- a. Sewer line replacement is recommended for approximately 1,400 LF, pipe bursting for approximately 20,000 LF, and point repairs at 81 locations.
- b. The estimated capital cost would be approximately \$2.02 million.
- c. Repairs for inflow removal are broken into the following three categories:
 1. Point Repair
 2. Line Replacement
 3. Pipe bursting

3. Summary of Recommended Plan

- a. The SSES identified Basin 10 and 5 as the highest priority basins to begin the manhole and main line rehabilitation program.
- b. The short term goals are for Benton Utilities Personnel to continue the manhole rehabilitation program and pipe bursting contract.
 1. BU to complete all 336 manhole rehabilitations by method of cementitious lining by October 2016.
 2. BU to keep the pipe bursting contract with the minimum budget that is currently in place of \$200,000 per year.
- c. Long term goals include the possibility of passing a bond issue to take bids to complete a capital improvement sanitary sewer rehabilitation project. The rehabilitation project would make the final improvements that cannot be completed by the city or the on-call contractor.

H. Summary of Results

1. BU has been able to substantially reduce the number of SSOs recorded from August 2008 to June 2013.
2. Benton Utilities recorded zero (0) SSOs for the months of May and June 2013.

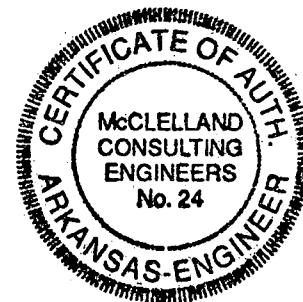
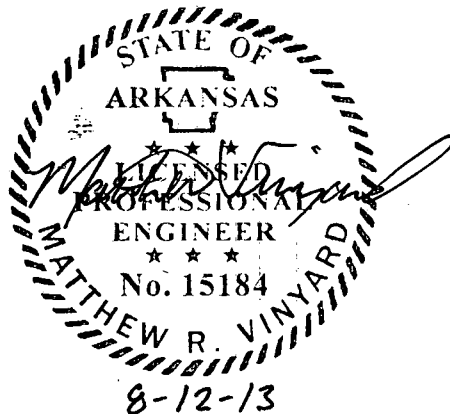
SEWER SYSTEM EVALUATION STUDY (SSES)

BENTON PUBLIC UTILITY COMMISSION,
BENTON, ARKANSAS

August 12, 2013

TABLE OF CONTENTS

1.0 Introduction.....	3
2.0 Sanitary Sewer Overflows.....	6
3.0 Drainage Basins.....	7
4.0 SSES Investigations.....	9
4.1 Smoke Testing.....	9
4.1.1 Benton Utilities Smoke Test Field Inspection Form	9
4.2 Manhole Inspection Program	10
4.2.1 Benton Utilities Manhole Field Inspection Form	10
4.3 CCTV Inspections	11
4.3.1 Benton Utilities Cleaning and Video Field Inspection Form	11
5.0 Rehabilitation Plan	12
5.1 Benton Utilities Sanitary Sewer Manhole Repair Record.....	12
5.2 Benton Utilities Sanitary Sewer Gravity Main Repair Record.....	13
5.3 Benton Utilities Service Line Repair Record	15
6.0 Find and Fix.....	15
6.1 Service Line Repairs	16
6.2 Pipe Bursting	16
7.0 Recommended Rehabilitation Plan	17
7.1 Recommended Infiltration Removal.....	18
7.2 Recommended Inflow Removal.....	19
7.3 Summary of Recommended Plan	21
8.0 Summary of Results	22



APPENDICES

APPENDIX NUMBER AND TITLE

1. OVERFLOW RESPONSE PLAN
2. DRAINAGE BASIN PLAN
3. SMOKE TEST FIELD INSPECTION FORM
4. MANHOLE REPAIR RECORD
5. BENTON UTILITIES SANITARY SEWER MANHOLE REPAIR RECORD
6. SUMMARY OF UNACCOUNTED MANHOLES
7. BENTON UTILITIES SANITARY SEWER GRAVITY MAIN REPAIR RECORD
8. BENTON UTILITIES SERVICE LINE REPAIR RECORD

1.0 Introduction

The Benton Utilities Sanitary Sewer System located in the City of Benton, Arkansas serves a population of approximately 30,681. The sanitary sewer system includes approximately 7 miles of sewer force mains (and associated valves and appurtenances), approximately 150 miles of gravity sewers (and associated manholes), and 39 pumping facilities. The Benton Utilities Sanitary Sewer System transports the flow to one sewage treatment plant (STP) and it is not interconnected with any other collection systems.

The following list details the many projects that the Benton Public Utility Commission has completed to improve the Benton Utilities Sanitary Sewer System since 2006.

2006 Thomas Pasture Gravity Sewer

The project included replacing 19,539 LF of gravity sewer line consisting of 30-, 24-, 18- and 15-inch lines to increase capacity. \$2.85 million in construction costs.

Sanitary Sewer Mapping

The project included GPS mapping of the entire sanitary sewer collection system. A hydraulic analysis of the main trunk lines within in the system was performed as well.

Sewer Master Plan for Area North of I-30

A master plan was developed for an area of approximately 11 square miles located in the northern part of the city. The plan considered future growth potential and collection system additions/modifications to accommodate that growth.

Equalization Basin

A 57 million gallon earthen equalization basin was constructed including the installation of manholes, a duplex pump station, aerators, 1,450 LF of 18-inch force main, 1,500 LF of 12-inch inverted siphon sewer line, and a backup generator. An automatic control system shunts all excess water to the equalization basin, preventing upsets at the WWTP due to the hydraulic overload. \$2.7 million in construction costs.

2007 I-30 West Utilities Extension

Approximately 1,075 LF of 15-inch Gravity Sewer, 9,800 LF of 12-inch PVC Sewer force main, and a 30-horsepower pump station was installed to accommodate future growth. \$800,047 in construction costs.

Airline Gravity Sewer

Approximately 9,000 LF of 24 inch to 36 inch gravity sewer was installed to replace undersized lines to increase capacity. Approximately \$3 million in construction costs.

Alcoa Road Sewer Extension

Approximately 2,200 LF of 10" PVC gravity sewer was installed to accommodate future growth. \$198,133 in construction costs.

HWY 5/Riverside Pump Station and Force Main

Approximately 10,000 LF of 12" force main, 2,900 LF of gravity sewer, and two pump stations was installed to accommodate future growth. \$800,892 in construction costs.

Christy Acres Sewer Improvements

Approximately 10,544 LF of gravity sewer line, 4,678 LF of force main, and three pump stations were installed to increase capacity to accommodate future growth. Construction cost was \$797,779.

Hurricane Lake Pump Station

This project consisted of installing new pumps in an existing wet well and 13,830 LF of 16 inch force main to increase capacity in preparation for future growth. Construction cost was approximately \$850,085.

2008 Wastewater Treatment Plant Expansion

The construction of the Wastewater Treatment Plant expansion increased capacity from 5 MGD to 8 MGD. This project included a new oxidation basin, an 82 inch digester, a 120 foot clarifier, an ultraviolet disinfection system, operations building and pump station renovations. Total construction cost was approximately \$13.5 million.

2009 Willow Street Pump Rehabilitation

This project included the installation a sewage overflow pump station containing two submersible pumps designed to pump 5556 GPM in parallel next to the existing Willow Street pump station. The new pump station collects the additional flow caused by I & I then shunts that excess flow to the EQ basin to prevent SSOs upstream. The influent is screened prior to entering the basin. Construction cost was approximately \$562,193.

2010 Sewer Line Pipe Bursting

The project included sewer pipe bursting of approximately 5,575 LF of existing sewer line and inserting HDPE pipe, point repairs as required to remove obstructions; sag remediation of replaced lines; restoration of service connections by open cut; pre-construction and post-construction video of all pipe burst lines; and restoration of all disturbed surfaces and facilities to existing condition. The contract covers a 5 year period. The first year construction cost was \$393,907.

Pump Station Rehab

The River St., Coats Rd., Neely St., and Chatfield sewer pump stations were rehabilitated. Work consisted of removing the existing dry pit submersible pumps and retrofitting the existing wet well to accommodate new submersible pumps. Construction cost was approximately \$264,062

2011 Process Washwater Pump Station

A process washwater pump station was installed at the Benton Wastewater Treatment Plant to pump and screen effluent discharged from the plant back to various processes within the plant, i.e. dryer, sludge press, screens, digesters, and clarifiers. The project reduced the potable water used by the WWTP approximately 10,000 gal/month. Construction cost was \$414,717.

2012 Thomas Pasture Pump Station and Force Main Upgrade

2385 LF of 20 inch ductile iron sewage force main and pump station up grade with three (3) new dry pit pumps with VFD's were installed to increase capacity for future growth. Construction cost was \$735,220.

Alcoa Road Gravity Sewer

835 LF of 10 inch gravity main was relocated and extended along Alcoa Rd. to accommodate future growth. Construction cost was \$304,859.

2013 Edison 24-inch Gravity Sewer

The project included the installation of 4,300 LF of 24" gravity sewer line to replace existing undersized lines to prevent SSOs. New manholes were also installed to prevent I & I. There are two more phases to the project in the future to replace another 8,000 LF of existing sewer main. The Phase I construction cost was \$562,712.

Hurricane Lake Pump Station Modifications

The project consisted of upsizing the existing pumps to accommodate future growth. Construction cost was \$519,764.

The Sewer System Evaluation Study (SSES) was performed to inspect the Benton Utilities Gravity Sanitary Sewer System to locate areas of inflow and infiltration (I & I) in order to prevent Sanitary Sewer Overflows (SSOs). Figure 1 shows examples of I & I that are to be corrected in the sanitary sewer system. The study consists of first dividing the entire system into drainage basins. The basins were then prioritized based on location and concentration of identified SSOs. Smoke testing was performed in all basins, beginning with the highest priority basin. Closed Circuit Television (CCTV) Inspections were performed on sewer lines deemed necessary based on the results of the smoke testing and/ or reoccurring maintenance issues. Manhole inspections were performed in all basins. A method of repair and cost was developed for the deficiencies found in the sewer system. The improvements were then prioritized and a schedule of long and short term goals for correcting the deficiencies in the sewer system was developed. Many repairs, such as uncapped cleanouts, were made immediately and are explained in more detail within the study.

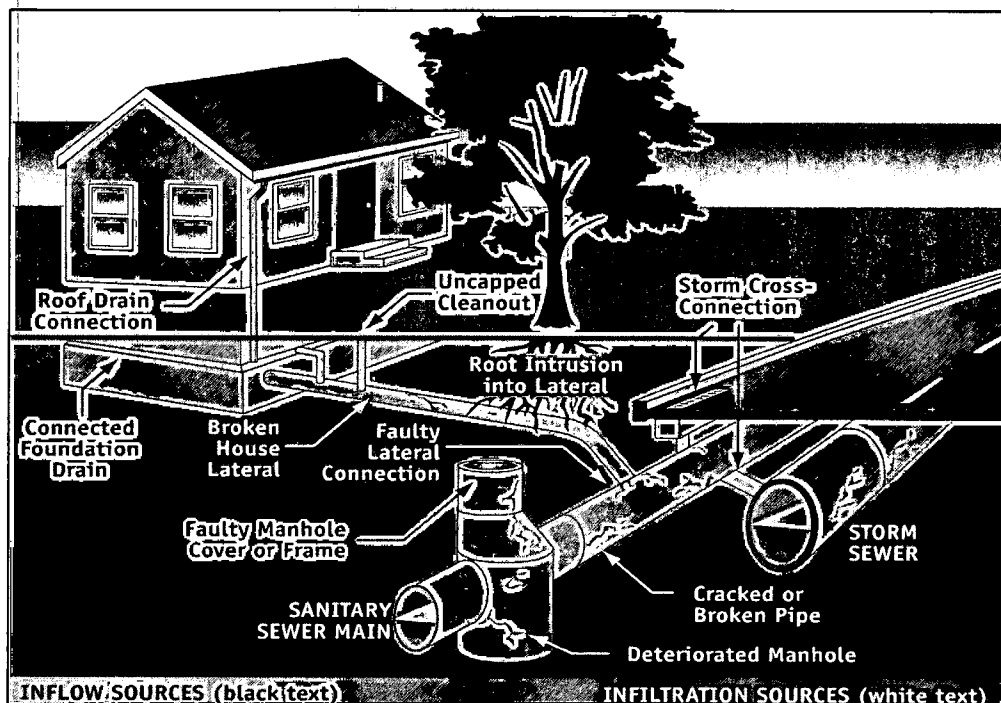
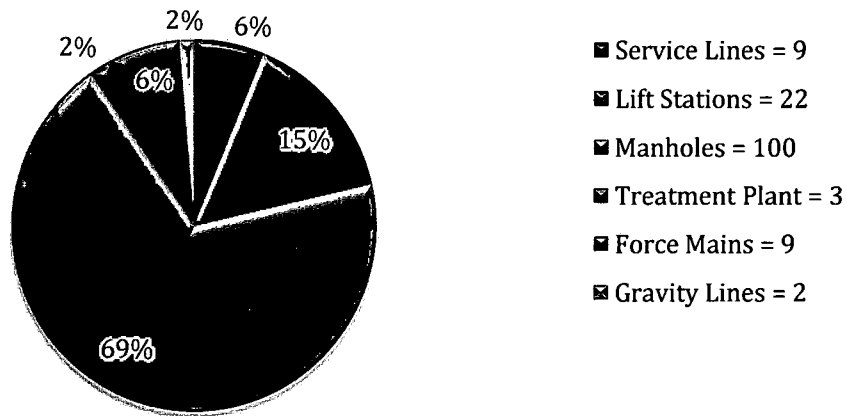


Figure 1

2.0 Sanitary Sewer Overflows

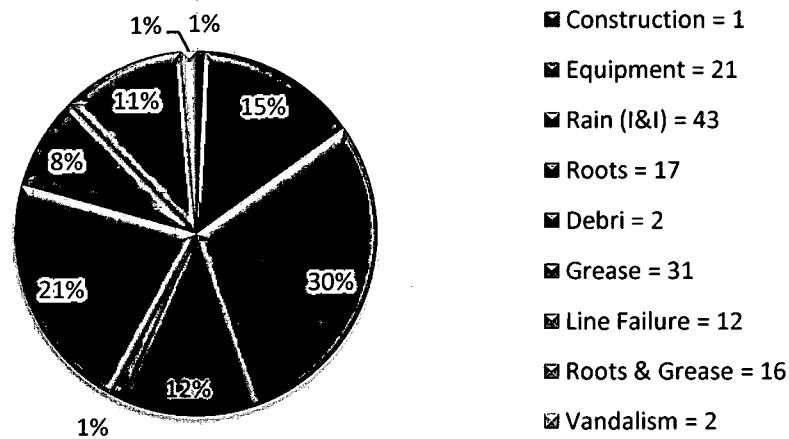
The primary goal of the SSES is to minimize the number of SSOs. A copy of the Benton Utilities Sanitary Sewer Overflow Response Plan is included in Appendix 1. Between August 2008 and July 2010, prior to the implementation of the SSES, a total of 145 SSOs were recorded. Graph 1 shows which component of the sewer system those SSOs occurred and Graph 2 categorizes the causes of the SSOs.

Sanitary Sewer Overflows Aug-2008 to July 2010



Graph 1

Sanitary Sewer Overflows Aug-2008 to July-2010 by Causes



Graph 2

The graphs developed during the study show that manholes in the gravity sanitary sewer system make up the majority of the SSOs. Surface water infiltrates the wastewater collection system during rainfall events which result in hydraulic backups and cause the system to surcharge. The SSES examines each component of the gravity sewer system to pinpoint the exact causes in order to minimize the number of SSOs.

3.0 Drainage Basins

The Benton Utilities sanitary sewer system is divided into eleven (11) drainage basins. The drainage basin map is shown in Figure 2 and a large copy is included in Appendix 2. Each basin was separated by grids as explained in Section 3.1.1 System Profile of the Benton Utilities Capacity, Management, Operation, & Maintenance (CMOM) Manual. Table 1 shows the priority of the drainage basins based upon location and concentration of identified SSOs. Basin 5 had the highest concentration of SSOs from January 2008 to June 2013. Basin 5 is located in the oldest part of the city and has the most linear feet of gravity pipe. Basin 10 has the highest number of manholes and is also located in an older part of the city. Therefore, the SSES field investigation began with Basin 5 and 10 and so forth according to the priority number.

Table 1

Priority No.	Basin No.	No. of Manholes	Linear of Feet of Gravity Pipe	Total No. of SSOs 2008 - June 2013
1	5	594	215,742	104
2	10	949	191,158	77
3	3	655	134,425	41
4	4	217	66,350	26
5	11	540	106,185	21
6	2	495	132,950	19
7	7	124	28,067	7
8	8	386	91,395	6
9	1	110	18,408	4
10	6	210	36,691	2
11	9	107	35,629	2
Totals		4,387	841,258	309

4.0 SSES Investigations

Gravity sewers within the Benton Utilities sanitary sewer system were inspected for structural integrity and maintenance issues. These assessment activities included smoke testing, manhole inspections, and Closed Circuit Television (CCTV) as deemed necessary by smoke testing or reoccurring maintenance issues. Smoke testing and manhole inspections began in Basin 5 because that basin had the highest number of SSOs.

4.1 Smoke Testing

Smoke Testing was conducted to identify the location of inflow sources such as structural damage in sewer pipes or manholes, cross connections including but not limited to roof leaders, foundation drains, yard drains, storm sewers, and undocumented/illegal connections. Smoke testing for the Benton Utilities Sanitary Sewer System began May 2011 with Basin 5 and was completed in July 2012 with Basin 8. Smoke Testing results were recorded on Smoke Test Record forms then placed in labeled three ring binders for each basin. The binders are divided into four categories; Clean Out Broken - Leak, Service Leak, Manhole Leak, and Possible Main Leak.

4.1.1 Benton Utilities Smoke Test Field Inspection Form

The standard Smoke Test Inspection Form is completed for sanitary sewer mains where a conditional assessment is performed. The location of the sewer main is identified by the Street Name or a Location description, Downstream and Upstream Manhole Number, and corresponding Basin and Grid Number. The physical characteristics of each line are recorded including size of the main in inches and the line material. A description of the area cover above the line is identified as the following: Concrete Pavement, Asphalt Pavement, Sidewalk, Gravel, Grass, or Wooded. The defect location in the line is checked as the following: Main Line, Service Line, Cleanout, Leak at Manhole, Cross Connect, or Other. If other is checked then a description is provided. A copy of the Smoke Test Field Inspection form is included in Appendix 3.

The following documentation is collected for each Smoke Test Record:

Photographs

- The photo number is logged on the Smoke Test Field Inspection Form.
- Photographs of the identified defect in the sewer system are included behind the Smoke Test Field Inspection Form for that particular main line.

Field Sketches

- A field sketch is created to identify the location of the sewer system defect. The sketch includes the use of street names, dimensions from structures, and any other identifying features to describe the location of the sewer system defect.

The inspector records his/her initials and the date of the inspection. Personnel performing the main line inspection provide any additional comments that are pertinent to identifying any defects in the sewer system at the bottom of the page.

4.2 Manhole Inspection Program

Sanitary sewer manhole inspections are an important component of the gravity sewer system assessment due to the susceptibility of manholes to structural defects and/or I & I which may contribute to SSOs. Manhole inspections not only provide valuable information on the physical condition of the manholes, but also an opportunity to observe pipe diameters, inverts, and surcharging within the main line gravity sewers.

The data collected during manhole inspections is recorded using the Benton Utilities Manhole Inspection Form. Completed manhole inspection forms are placed in labeled three ring binders for each basin. A copy of the Manhole Inspection Form is included in Appendix 4.

4.2.1 Benton Utilities Manhole Field Inspection Form

The standard Manhole Inspection Form is completed for manholes where a conditional assessment is performed. During an inspection of manhole components, a non-entry (topside) manhole inspection is conducted to determine the overall condition of the manhole as viewed from the ground surface. The location of the manhole is identified by the Main or Lateral Number, Manhole Number, Street or Intersection, and corresponding Basin and Grid Number. The physical characteristics of each manhole are recorded including the surface surrounding the manhole, rim elevation compared to the surface, and manhole interior material. The structural integrity of the manhole is inspected on a scale of G - Good, F - Fair, P - Poor, and N - None. The presence of roots and any other debris or sediment is also recorded as well.

The surrounding area is observed and noted if manholes are located in areas that are conducive to flooding or ponding that allow water to enter the sanitary sewer system. Defects including evidence of infiltration seepage, overflow, and stoppage is recorded on the form. Other information recorded in the manhole inspection include flow characteristics and clarity of the water.

The following documentation is collected at each manhole:

Manhole Photographs

- The above ground location of the manhole.
- The interior of the manhole looking down at the manhole invert and looking into the incoming and outgoing pipelines.
- Potential issues and points of interest for documentation purposes.
- Significant defects observed during the manhole inspection.

Manhole Field Sketches

- A connectivity field sketch of the manhole is created, using the schematic diagram on the Manhole Inspection Form, showing information regarding connecting pipes (e.g., pipe size, pipe depth to invert, pipe material, and pipe location relative to true north).

Personnel performing the manhole inspection prioritize the need for repair as; None Needed, 1st Priority, 2nd Priority, or Regular Maintenance. Based on the overall condition of the manhole, personnel describe the recommend repair. Lastly the inspector records his/her initials and the date of the inspection at the bottom of the form.

4.3 CCTV Inspections

Closed Circuit Television (CCTV) inspection is performed to confirm the location and magnitude of structural defects, points of inflow and infiltration, undocumented / illegal connections, and blockages within the gravity sewer system. Examples include leaks, cracks, and broken pipe. Currently, segments of the main lines of Basins 2 through 10 have been video inspected. Benton Utilities started with these basins first because they have a known history of reoccurring maintenance issues. These basins did not smoke test very well, meaning locations of structural defects were not discovered during smoke testing. This is believed to have been caused by existing soil conditions and a large number of the gravity main under some type of pavement. The soil in those basins is mostly clay. Clayey soil conditions along with existing pavement above the line prevents the smoke from traveling to the surface. These conditions make it hard to identify structural defects that allow points of I & I in the gravity sewer system.

4.3.1 Benton Utilities Cleaning and Video Field Inspection Form

Main lines inspected by CCTV are recorded on the Benton Utilities SS Gravity Main Repair Record for each basin under the "Cleaning and Video Inspection" section of the

form. The locations of the sewer mains inspected are identified by Street Address or Location Description, Grid Number, and Downstream and Upstream Manhole Number. Physical characteristics of each line are recorded including the following: Pipe Depth (ft.), Pipe Size (in.), and Pipe Material. Personnel also include the date that the main was inspected. A Repair Requirement is then suggested based on the summarized reports of the Smoke Test Field Inspection Forms and the results of the CCTV. Refer to Section 5.2 Benton Utilities Sanitary Sewer Gravity Main Repair Record for more information concerning the mains inspected by CCTV.

5.0 Rehabilitation Plan

The Benton Utilities Rehabilitation Plan addresses the deficiencies in the sanitary sewer collection system by means of rehabilitation, repair, or replacement. The gathered information from manhole inspections, smoke testing, and CCTV for the Benton Utilities Gravity Sanitary Sewer System is summarized on repair records. The repair records summarize the various types of deficiencies in the sewer system. A method of rehabilitation, repair, or replacement is determined by analyzing the repair records. Required repairs based on the results of the individual inspection forms are separated into the following components of the gravity sewer system; manhole, gravity main, and service line. The repair records listed below for Basins 1-11 summarize the location of the defects, identify the need for repair, suggest the recommended method of repair, and track the completed improvements for Sanitary Sewer Manholes, Gravity Mains, and Sewer Service Lines.

- BENTON UTILITIES SANITARY SEWER MANHOLE REPAIR RECORD
- BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD
- BENTON UTILITIES SERVICE LINE REPAIR RECORD

Each manhole, smoke testing, and CCTV field inspection form has been summarized by basin number in the repair records to consolidate the enormous amount of information gathered from the field reports. The repair records quantify and track the repairs required to correct the deficiencies in the gravity sewer system.

5.1 Benton Utilities Sanitary Sewer Manhole Repair Record

All the information from each manhole field inspection form is recorded in the Benton Utilities Sanitary Sewer Manhole Repair Record (included in Appendix 5). The manhole repair records are separated for each basin. The date each manhole was inspected is recorded. The location of each manhole is identified by Street Address or Location Description, Grid Number, and Manhole Number. The physical characteristics visually inspected are summarized including; manhole Depth (ft.), Accessibility, and Surface Above Manhole. The surface surrounding the manhole has the following subheadings; Concrete Pavement, Asphalt Pavement, Sidewalk Pavement, Gravel, Grass, and Wood.

The Need for Repair Section, as documented on the field inspection report, is divided into subheadings; None, 1st, 2nd, Low, No Access. The number one (1) is placed in the appropriate priority column. Each priority subheading is summed in the Benton Utilities SS Manhole Repair Record Summary to assess the number of manhole repairs for each basin. Those totals will identify which basins to begin manhole repairs.

The Repair Requirement Section is divided into columns with the following subheadings; Replace Manhole, Bench & Trough or Repair Around Pipe, Remove Roots, Replace Cover, Raise Rim, Seal Rim or Extension, and Cementitious Lining. The number one (1) is placed in the column of the suggested repair as shown on the Manhole Field Inspection Form. Each repair requirement is summed in the Benton Utilities SS Manhole Repair Record Summary to prioritize the type of manhole repairs and provide a quantity of those repairs in order to provide a cost estimate.

Once repairs are completed, the date of the repair is recorded and the method of repair is indicated on the form. The method of repair includes the following columns; Manhole Replaced, Bench and Trough Repaired or Hole Sealed at Pipe, Roots Removed, Cover Replaced, Rim Raised, Extension or Rim Sealed, Lining Completed. The number one (1) is entered into the appropriate columns for the type of repair. Benton Utilities can track the completed repairs and schedule new improvements for each basin.

The total number of manholes indicated as Unable to Access is most likely over estimated. The number total number of manholes for each basin is based off of old maps and unverified information. Some manholes listed may not actually exist. Appendix 6 shows a summary for each basin of the remaining 461 manholes to be inspected. A total of 119 manholes were located, however, they are inaccessible for the following reasons; Need to Camera, Debris or Deep, M.H. with Bolts, and Asphalt Over – Jackhammer. Five (5) manholes were verified that do not exist. 461 manholes are currently unaccounted for. It is estimated that approximately 50% of those unaccounted manholes do not exist in the system.

All of the information gathered from the Benton Utilities SS Manhole Repair Records for each basin is summarized in the Benton Utilities SS Manhole Repair Record Summary Spreadsheet, which is included at the front of Appendix 5. The summary spreadsheet allows managers to prioritize and schedule manhole repairs, prepare cost estimates for budgeting purposes, and determine how much progress has been made on completion of required repairs.

5.2 Benton Utilities Sanitary Sewer Gravity Main Repair Record

The information collected from each Smoke Test Field Inspection Form and actual CCTV results are summarized on the Benton Utilities Sanitary Sewer Gravity Main Repair Record (included in Appendix 7). The gravity main repair records are separated for each basin. The date each main was smoke tested and videoed is recorded. The location of each main is

identified by Street Address or Location Description, Grid Number, and Manhole to Manhole Number. The Surface Type above the main is indicated by the following subheadings; Storm Drain, Asphalt Pavement, Sidewalk Pavement, or Grass.

Main lines that have reoccurring maintenance issues or failed smoke testing are followed-up with a cleaning and video inspection. The results from CCTV results are recorded under the Cleaning and Video Inspection section. That section is divided into the following subheadings; Date, From Manhole, To Manhole, Pipe Depth (ft), Pipe Size (in) and Pipe Type.

Benton Utilities Personnel or the consulting engineer review the CCTV results to inspect the condition of the line to identify the pipe defects and determine the repair requirements. Inspection results and decisions concerning the proper repair method are recorded under the Pipe Defect/Repair Requirements Section. The pipe defects are divided into the following subheadings; Date Determined, Line Sag/Grease, Separation Joints/Roots, Objects Through Main. The number one (1) is entered into the appropriate columns that best describe the pipe defects. The recommended repair requirements are divided into the following subheadings; Replace Pipe Size (in), Length, Point Repair, and Pipe Burst Length (ft). The recommended pipe diameter (in) is entered into the Replace Pipe Size column. The number one (1) is entered into the Point Repair column. The recommended length of pipe to pipe burst is entered to replace defective pipe. If questions arise on a given repair, the original inspection forms and CCTV videos are reviewed again. Managers or the consulting engineer use data recorded under the Repair Requirements Section to estimate repair costs for budgeting funds and develop a schedule to complete repairs.

As repairs are completed, information is added to the Repair Completed Section that is divided into the following subheadings; Date, Line/Sag, Grease, Separation Joints/Roots, Objects Through Main, Replace Pipe Size, Point Repair, and Pipe Burst Length (ft). The number one (1) is entered into the Line Sag/Grease, Separation Joints/Roots, Objects Through Main, and Point Repair to indicate that the problem has been corrected and that the main is functioning properly. The actual diameter (in) of the pipe size installed, by pipe bursting, to replace the existing is entered into the Replace Pipe Size column. The field measured pipe burst length installed to correct the defective section of existing sewer main is entered into Pipe Burst Length (ft).

All of the information gathered from the Benton Utilities SS Gravity Main Repair Records for each basin is summarized in the Benton Utilities SS Gravity Main Repair Record Summary Spreadsheet that is included in the front of the Appendix 7. The summary spreadsheet allows managers to prioritize and schedule gravity main repairs, prepare cost estimates for budgeting purposes, and determine how much progress has been made on the completion of required repairs. All gravity mains for each basin have been smoke tested, but not all observed problem areas have been videoed. Benton Utilities has completed gravity main repair summary spreadsheets for Basins 2 through 10. They are continuing to update the spreadsheets for the remaining two basins.

5.3 Benton Utilities Service Line Repair Record

The information collected from each Smoke Test Field Inspection Form and visual observations for defective sanitary sewer service lines are summarized on the Benton Utilities Service Line Repair Record. The service line repair records are separated for each basin and are included in Appendix 8. The date the faulty service line was smoke tested is recorded. The location of each faulty service line is identified by Street Address or Location Description, and Grid Number.

The type of leak revealed during the smoke testing is identified as either a clean out or service line leak. The number one (1) is placed in one of the two columns. The date the Owner was notified of a repair to the service line is recorded. The form also has another column for the date the repair was inspected and was found to still be unacceptable. The final date recorded is the one where the repair has been completed. The number one (1) is then placed in the appropriate column where either the clean out or the service line is repaired.

Each type of leak or repair for each basin is totaled at the bottom line of the form. A summary sheet, included in Appendix 8, totals all the leaks and repairs and tracks when each leak is repaired.

The entire collection system has been smoke tested. A total of 399 cleanout leaks and 204 service line leaks were identified by smoke testing and visual observations. Repair of damaged cleanout openings and repair of service lines is the responsibility of the property owners. Certified notices were mailed to owners informing them of their responsibilities and allowed them 3 weeks to make the repairs.

6.0 Find and Fix

The Find and Fix concept provides a process by which critical system repairs are made in a more timely and cost-effective manner. Find and Fix methodology employs the concept that when critical failures or deficiencies warranting prompt repairs were found during condition assessment activities, actions were taken to correct the problems either by Benton Utilities personnel or on-call contractors. It was the responsibility of Benton Utilities' Managers to determine if a defect met the prompt repair criteria.

Prompt repairs of sanitary sewer infrastructure were warranted when critical defects were found. The components containing these critical defects, in most cases, were operable at the time of discovery but could have been at material risk of failure and had the potential for severe consequences. Defects found during the SSES investigation approach that warranted prompt repairs met one or more of the following criteria:

- Posed an immediate threat to the environment
- Posed an imminent threat to public safety
- Created problems that may have resulted in SSOs, or
- Contributed substantial inflow to the system

Types of repairs considered for Find and Fix concept include:

- Manhole lining
- Manhole reconstruction
- Point repairs
- Pipe bursting
- Service line repairs

Once a critical defect was identified, it was reported to Benton Utilities Wastewater Collections Manager, who then scheduled the repair. The manager either directed field crews to make a point repair or temporary fix, or notified the on-call contractor to complete the repair.

6.1 Service Line Repairs

Smoke testing revealed many missing or broken cleanout caps on sanitary sewer services. Benton Utilities used the Find and Fix approach to repair many of the cleanout leaks on the date of the smoke testing by replacing the missing or broken cleanout caps. Replacing the cleanout caps was more cost effective than paying postage on a certified letter to a homeowner and then sending city personnel to check to see if the cap had been replaced. To date, all 399 cleanout leaks have been repaired.

6.2 Pipe Bursting

Pipe bursting is a trenchless method of replacing sewer line without the need of a traditional construction trench. Pipe bursting is also used to expand the sewer line carrying capacity by replacing smaller mains with larger ones or "upsizing." Benton Utilities currently maintains a pipe bursting contract with an on-call contractor. The contract also includes a number of point repair and sag remediation work items. The budget for pipe bursting is approximately \$200,000 per year. The following table summarizes pipe bursting in the sanitary sewer collection system since 2005.

Table 2

Benton Wastewater Collections Pipe Bursting Summary		
Year	Linear Feet of Pipe Burst	Estimated Total
2005	5,137	\$251,555.71
2006	7,939	\$498,547.66
2007*	0	\$0.00
2008	2,028	\$164,177.00
2009	3,164	\$215,360.00
2010	2,147	\$363,032.00
2011	2,418	\$165,174.00
2012	3,041	\$194,883.00
2013	1,001	\$67,833.00
Total	26,875	\$1,920,562.37
* No Work Performed		

7.0 Recommended Rehabilitation Plan

The recommended rehabilitation plan consists of work to be performed to the gravity collection system. The plan includes inflow repairs, infiltration repairs, sewer line replacement/rehabilitation, and routine maintenance repairs. The costs to perform the recommended plan is given in capital cost which includes construction cost and a 30 percent additional cost which includes administrative cost, legal fees, engineering fees (if required), and contingencies.

The repair records quantify each type of repair for the different components of the gravity sewer system. The estimated costs are developed from the data collected in the repair records. Cost estimates are separated by basin in order to prioritize those improvements. The repairs identified through the SSES investigation that have already been completed are not reflected in the cost estimate. Those repairs are identified on the summary sheets as being complete.

7.1 Recommended Infiltration Removal

The recommended infiltration removal plan includes 3,634 identified repairs to manholes within the gravity sewer system. The estimated capital cost would be approximately \$1.78 million. Infiltration sources from manholes are corrected by the following repairs:

- Replace Manhole
- Replace Bench & Trough or Repair Around Pipe
- Remove Roots
- Replace Cover
- Raise Rim
- Seal Rim or Extension
- Cementitious Lining

A summary of the recommended plan for infiltration removal for each basin is given in Table 3.

Repair Description	Quantity of Repairs	Estimated Capital Cost (\$)	Repair Description	Quantity of Repairs	Estimated Capital Cost (\$)
Basin 1			Basin 3		
Replace Manhole	-	\$0	Replace Manhole	-	\$0
Bench & Trough or Around Pipe	3	\$3,600	Bench & Trough or Around Pipe	40	\$48,000
Remove Roots	2	\$1,600	Remove Roots	21	\$16,800
Replace Cover	-	\$0	Replace Cover	11	\$3,630
Raise Rim	4	\$4,400	Raise Rim	108	\$118,800
Seal Rim or Extension	14	\$3,990	Seal Rim or Extension	16	\$4,560
Cementitious Lining	15	\$3,000	Cementitious Lining	210	\$42,000
Subtotal	38	\$16,590	Subtotal	406	\$233,790
Basin 2			Basin 4		
Replace Manhole	-	\$0	Replace Manhole	-	\$0
Bench & Trough or Around Pipe	10	\$12,000	Bench & Trough or Around Pipe	3	\$3,600
Remove Roots	4	\$3,200	Remove Roots	1	\$800
Replace Cover	6	\$1,980	Replace Cover	1	\$330
Raise Rim	112	\$123,200	Raise Rim	16	\$17,600
Seal Rim or Extension	6	\$1,710	Seal Rim or Extension	2	\$570
Cementitious Lining	44	\$8,800	Cementitious Lining	100	\$20,000
Subtotal	182	\$150,890	Subtotal	123	\$42,900

Table 3 (Cont'd)

<u>Basin 5</u>			<u>Basin 9</u>		
Replace Manhole	-	\$0	Replace Manhole	-	\$0
Bench & Trough or Around Pipe	51	\$61,200	Bench & Trough or Around Pipe	15	\$18,000
Remove Roots	18	\$14,400	Remove Roots	4	\$3,200
Replace Cover	18	\$5,940	Replace Cover	1	\$330
Raise Rim	46	\$50,600	Raise Rim	5	\$5,500
Seal Rim or Extension	2	\$570	Seal Rim or Extension	18	\$5,130
Cementitious Lining	425	\$85,000	Cementitious Lining	32	\$6,400
Subtotal	560	\$217,710	Subtotal	75	\$38,560
<u>Basin 6</u>			<u>Basin 10</u>		
Replace Manhole	-	\$0	Replace Manhole	1	\$4,500
Bench & Trough or Around Pipe	26	\$31,200	Bench & Trough or Around Pipe	256	\$307,200
Remove Roots	5	\$4,000	Remove Roots	48	\$38,400
Replace Cover	3	\$990	Replace Cover	33	\$10,890
Raise Rim	24	\$26,400	Raise Rim	74	\$81,400
Seal Rim or Extension	27	\$7,695	Seal Rim or Extension	140	\$39,900
Cementitious Lining	125	\$25,000	Cementitious Lining	1,127	\$225,400
Subtotal	210	\$95,285	Subtotal	1,679	\$707,690
<u>Basin 7</u>			<u>Basin 11</u>		
Replace Manhole	-	\$0	Replace Manhole	1	\$4,500
Bench & Trough or Around Pipe	2	\$2,400	Bench & Trough or Around Pipe	32	\$38,400
Remove Roots	4	\$3,200	Remove Roots	5	\$4,000
Replace Cover	1	\$330	Replace Cover	2	\$660
Raise Rim	35	\$38,500	Raise Rim	47	\$51,700
Seal Rim or Extension	8	\$2,280	Seal Rim or Extension	71	\$20,235
Cementitious Lining	15	\$3,000	Cementitious Lining	33	\$6,600
Subtotal	65	\$49,710	Subtotal	191	\$126,095
<u>Basin 8</u>			Total Manhole Rehabilitation Cost		\$1,782,395
Replace Manhole	-	\$0			
Bench & Trough or Around Pipe	10	\$12,000			
Remove Roots	5	\$4,000			
Replace Cover	4	\$1,320			
Raise Rim	76	\$83,600			
Seal Rim or Extension	3	\$855			
Cementitious Lining	7	\$1,400			
Subtotal	105	\$103,175			

7.2 Recommended Inflow Removal

The recommended plan for inflow removal includes those sources that are cost effective to repair. Repairs to sources of inflow are identified in Basins 1 through 11 with an estimated capital cost of \$2.02 million. Sewer line replacement is recommended for approximately 1,400 LF, pipe bursting for approximately 20,000 LF, and point repairs at 81 locations.

Repairs for inflow removal are broken into the following three categories:

- Point Repair
- Line Replacement
- Pipe bursting

Point Repair includes the following repair requirements: Separation Joints/Roots and Object Through Main. Line Replacement includes the following repair requirements: Line Sag/Grease and in some cases Replace Pipe Size. Line replacement is the installation of new sewer pipe by means of excavating a construction trench. Depending on the length of the line sag, the line may be considered a point repair. The line may need to be replaced for grease depending on the pipe material. For example, grease tends to back up more frequently in concrete pipe due to the roughness; therefore, the line would be replaced with PVC that has a smooth wall.

A summary of the recommended plan for inflow removal for Basins 1 through 11 is given in Table 4.

Table 4

SUMMARY OF RECOMMENDED PLAN FOR INFLOW REMOVAL

Repair Description	Quantity of Repairs	Estimated Capital Cost (\$)	Repair Description	Quantity of Repairs	Estimated Capital Cost (\$)
Basin 1			Basin 4		
Point Repair	-	\$0	Point Repair	3	\$9,000
Line Replacement	-	\$0	Line Replacement	-	\$0
Pipe Bursting	-	\$0	Pipe Bursting	1,088	\$81,600
Subtotal	-	\$55,000 *	Subtotal	1,091	\$90,600
Basin 2			Basin 5		
Point Repair	2	\$6,000	Point Repair	19	\$57,000
Line Replacement	50	\$6,500	Line Replacement	700	\$91,000
Pipe Bursting	588	\$44,100	Pipe Bursting	4,367	\$327,525
Subtotal	640	\$56,600	Subtotal	5,086	\$475,525
Basin 3			Basin 6		
Point Repair	13	\$39,000	Point Repair	3	\$9,000
Line Replacement	100	\$13,000	Line Replacement	150	\$19,500
Pipe Bursting	1,601	\$120,075	Pipe Bursting	661	\$49,575
Subtotal	1,714	\$172,075	Subtotal	814	\$78,075

Table 4 (Cont'd)

<u>Basin 7</u>			<u>Basin 10</u>		
Point Repair	6	\$18,000	Point Repair	28	\$84,000
Line Replacement	-	\$0	Line Replacement	400	\$52,000
Pipe Bursting	1,261	\$94,575	Pipe Bursting	8,429	\$632,175
Subtotal	1,267	\$112,575	Subtotal	8,857	\$768,175
<u>Basin 8</u>			<u>Basin 11</u>		
Point Repair	5	\$15,000	Point Repair	-	\$0
Line Replacement	-	\$0	Line Replacement	-	\$0
Pipe Bursting	979	\$73,425	Pipe Bursting	-	\$0
Subtotal	984	\$88,425	Subtotal	-	\$65,000 *
<u>Basin 9</u>			Total Main Line Rehabilitation Cost		\$2,022,050
Point Repair	2	\$6,000			
Line Replacement	-	\$0			
Pipe Bursting	720	\$54,000			
Subtotal	722	\$60,000			

*Projected Cost

7.3 Summary of Recommended Plan

The SSES identified Basin 10 and 5 as the highest priority basins to begin the manhole and main line rehabilitation program. Benton Utilities has already begun scheduling and completing repairs in those basins. Table 5 shows the priority of each basin based on the greatest number of improvements and capital cost to complete those improvements.

Table 5

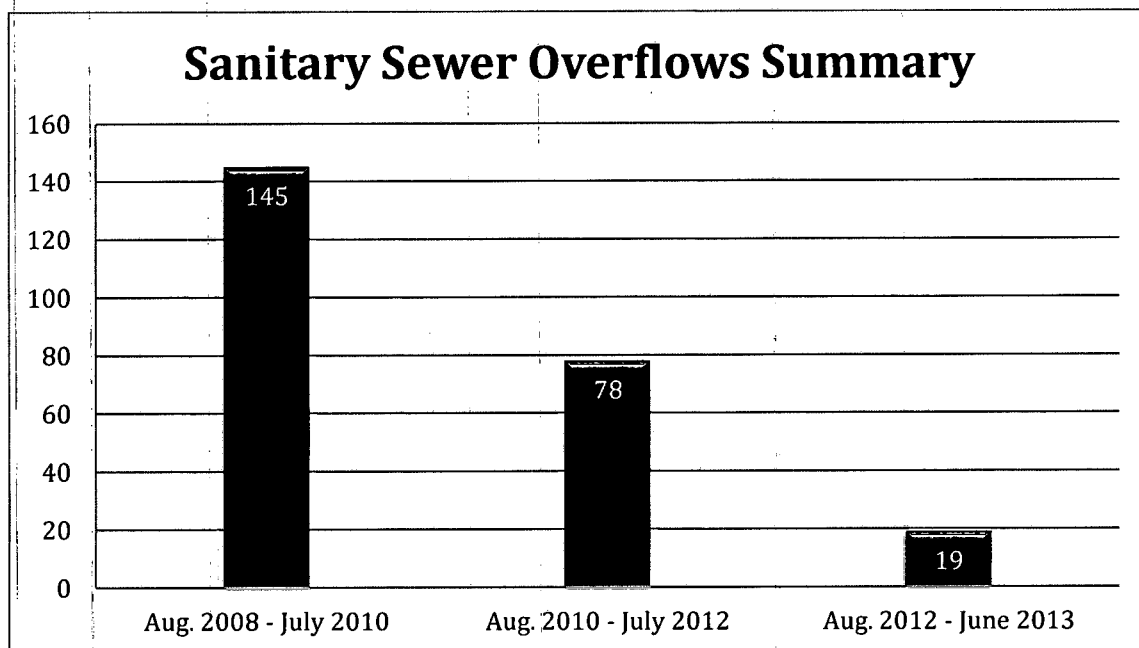
Priority No.	Basin No.	Infiltration Removal Capital Cost	Inflow Removal Capital Cost
1	10	\$707,690	\$768,175
2	5	\$217,710	\$475,525
3	3	\$233,790	\$172,075
4	2	\$150,890	\$56,600
5	11	\$126,095	\$65,000 *
6	8	\$103,175	\$88,425
7	6	\$95,285	\$78,075
8	7	\$49,710	\$112,575
9	4	\$42,900	\$90,600
10	9	\$38,560	\$60,000
11	1	\$16,590	\$55,000 *
Totals		\$1,782,395	\$2,022,050

*Projected Cost

The short term goals are for Benton Utilities Personnel to continue the manhole rehabilitation program and pipe bursting contract. As identified in the CMOM, the city owns the cementitious lining application equipment. They have the capability to cementitious line approximately 50 - 75 manholes per month during the months of March to October. It anticipated that Benton Utilities will complete, with their own forces, all 336 manhole rehabilitations by method of cementitious lining by October 2016. Also, as part of Benton Utilities' short term goals should be to keep the pipe bursting contract with the minimum budget that is currently in place of \$200,000 per year. The city would be able to pipe burst approximately 3,000 LF of sewer main per year. Long term goals include the possibility of passing a bond issue to take bids to complete a capital improvement sanitary sewer rehabilitation project. The rehabilitation project would make the final improvements that cannot be completed by the city or the on-call contractor.

8.0 Summary of Results

Since the beginning of the SSES investigation, Benton Utilities has been able to substantially reduce the number of SSOs recorded from August 2008 to June 2013. Graph 3 shows the decline of SSOs recorded from the sanitary sewer collection system. Benton Utilities recorded zero (0) SSOs for the months of May and June 2013. Significant reductions in I & I have been achieved through the "Find and Fix" approach employed during the SSES investigation and the many sanitary sewer rehabilitation and construction projects that have been completed over the past eight years. It is unrealistic to remove all I & I from the system, however, Benton Utilities can continue to follow the rehabilitation plan and schedule to improve and maintain the sanitary sewer collection system to prevent SSOs.



Graph 3

Appendix 1

Overflow Response Plan

Table of Contents

Title	Pages
Benton Public Utility Sanitary Sewer Overflow Response Plan.....	1-18
Appendix A SSO Action Plan.....	19-20
Appendix B Detecting Potential Explosive or Toxic Conditions.....	21-22
Appendix C SSO Flow and Volume Determination	23
Appendix D Signage for Overflows	24

**Benton Public Utility
SANITARY SEWER OVERFLOW RESPONSE PLAN**

I. AUTHORITY

- A. National Pollutant Discharge Elimination System ("NPDES")
NPDES Permit # AR0036498
Issued by Arkansas Department of Environmental Quality ("ADEQ")**

II. GENERAL

The Sanitary Sewer Overflow Response Plan ("SSORP") is designed to ensure that every report of a confirmed sewage overflow is immediately dispatched to the appropriate crew so that the effects of the overflow can be minimized with respect to impacts to public health, beneficial use, quality of surface waters, and customer service. The SSORP further includes provisions to ensure safety pursuant to the directions provided by the ADEQ and that notification and reporting is made to the appropriate local, state, and federal authorities. For purposes of this SSORP, "confirmed sewage spill" is also sometimes referred to as "sewer overflow," "overflow," or "SSO" sanitary sewer overflow.

A. Objectives

The primary objectives of the SSORP are to protect public health and the environment, satisfy regulatory agencies and waste discharge permit conditions, which addresses procedures for managing SSOs and minimize risk of enforcement actions action Benton Public Utility ("BPU").

Additional objectives of the SSORP are as follows:

- Provide appropriate customer service;
- Protect wastewater treatment plant and collection system personnel;
- Protect the collection system, wastewater treatment facilities, and all appurtenances; and
- Protect private and public property beyond the collection and treatment facilities.

B. Organization of Plan

The key elements of the SSORP are addressed individually as follows:

Section III	Overflow Response Procedure
Section IV	Public Advisory Procedure
Section V	Regulatory Agency Notification Plan
Section VI	Media Notification Procedure
Section VII	Distribution and Maintenance of SSORP

III. OVERFLOW RESPONSE PROCEDURE

The Overflow Response Procedure presents a strategy for BPU to mobilize labor, materials, tools, an equipment to correct or repair any condition which may cause or contribute to an unpermitted discharge. The plan considers a wide range of potential system failures that could create an overflow to surface waters, land, or buildings.

A. Receipt of Information Regarding an SSO

A SSO may be detected by Utility employees or by others. The Dispatcher is primarily responsible for receiving phone calls from the public of possible SSOs along with other departments, dispatch, then forwards service requests to the Wastewater Collection Department.

Generally, Dispatchers receive telephone calls from the public reporting possible SSOs. The emergency phone line is staffed 24 hours per day, every day of the year.

1. The Dispatcher obtains all relevant information available regarding The possible overflow including:
 - a. Time and date call was received;
 - b. Specific location;
 - c. Description of problem;
 - d. Time and date overflow was observed;
 - e. Caller's name and phone number;
 - f. Observations of the caller (e.g., odor, duration, back or Front of property); and
 - g. Other relevant information that will enable the responding Emergency crews to quickly locate, assess and stop the SSO.

The Dispatcher then records/inputs the possible SSO information and creates a service request for assignment to the Responding crew.

2. Pump station failures are monitored and received by operators on duty at the Wastewater Treatment Plant. The operator on duty immediately conveys all information regarding alarms to the Superintendent or the on call crew to initiate the investigation. Investigating crew determines if failure resulted in an overflow and reports if SSO has occurred. A completed overflow form shall be sent, via e-mail or interoffice mail to the Collection System Manager for documentation.
3. SSOs detected by any personnel in the course of their normal duties are reported immediately to the Dispatcher who records all relevant SSO information and dispatches an Emergency crew and additional response crews, as needed.
4. Maintenance emergency crew or response crew confirms the SSO. Until verified, the report of a possible spill will not be referred to as a "sewer overflow."

If an overflow has occurred, the crew leader completes the appropriate Overflow Report form. Overflow forms are completed on Red Forms if evidence

of human contact and/or environmental impact has occurred. All other incidents are recorded on a Black Form. Within 24 hours of the sewer investigator's confirmation, overflow report information is forwarded to the Collection System Manager, or designated back-up personnel. The Manager is responsible for complying with all ADEQ notification reporting requirements.

Benton Wastewater Utilities Sanitary Sewer Overflow Or Pump Station Failure Report...

Date _____ Location _____

Time Reported _____ Date Reported _____

Time Crew Arrived _____ Date Crew arrived _____

Time Worked Completed _____ Date Worked Completed _____

Description of problem:

____ Line Blockage ____ Line Break ____ Manhole Overflow ____ PumpStation Failure

____ Other

Explain What Blockage Material Was _____

of feet Rodded _____

Explain What Caused Manhole Overflow: _____

Explain What Caused Line Break: _____

Explain Pump Station Failure: _____

Other: / Notes: _____

Explain Steps or Repair Action to Correct, Reduce, Eliminate, And or Prevent Recurrence: _____

Where Did Overflow Go? ____ Yard ____ Ditch ____ Building ____ Storm Drain

____ Other what type of stream / Water way _____

Explain what steps were used for Environmental Clean up: _____

Employee's on Job _____

Cost of Parts for job: _____

TABLE III-1. SSO RESPONSE TRACKING PROTOCOL

1. Crew that locates overflow fills out overflow report (NOTE: Red Forms indicate Human contact and/or environmental impact was observed.)
2. Crew that locates overflow notifies Dispatch.
3. Crew cleans and sanitizes
4. Crew installs warning signs
5. Foreman and Manager verifies overflow report is correct
6. Crew takes photographs before cleanup
7. Foreman verifies cleanup is done correctly
8. Foreman removes warning signs
9. Foreman takes photographs after cleanup
10. Foreman verifies overflow reports and turned into Collection System Manager
11. Collection Manager reports SSO data to ADEQ and other departments as required By NPDES Permits

B. Dispatch of Appropriate Crews to Site of Sewer Overflow

Failure of any element within the wastewater collection system that threatens to cause or causes an SSO triggers an immediate response to isolate and correct the problem. Crews and equipment are available to respond to any SSO location 24-hours a day. Additional maintenance personnel are designated "on call" in the event extra crews are needed. Appendix A summarizes the SSO Action Plan.

1. Dispatching Crews

- Dispatchers receive notification of possible SSOs as Outlined in Section III.A "Receipt of Information Regarding an SSO" and dispatch an Emergency crew or the appropriate crews and resources as required.
- Dispatchers notify the appropriate Supervisor, or Foreman by phone or radio regarding SSOs and field crew locations.

2. Crew Instructions and Work Orders

- Dispatch responding crews by phone or radio. Dispatcher receives instructions from Responding crews or their supervisors regarding appropriate crews, materials, supplies, and equipment needed.
- Dispatchers verify that the entire message has been received and acknowledged by the crews who were dispatched. Follow all standard communications procedures. All employees being dispatched to the site of a SSO proceed immediately to the site of the overflow. Report any delays or conflicts in assignments immediately to the Supervisor for resolution.
- In all cases response crews report their findings, including possible damage to private and public property to Foreman immediately upon making their investigation. If Foreman has not received findings from the field crew within 1 hour, Foreman contacts the response crew to determine the status of the investigation.

3. Additional Resources

- Foreman receives and conveys to appropriate parties requests for additional personnel, material, supplies, and equipment from crews working at the site of a SSO.

4. Preliminary Assessment of Damage to Private and Public Property

- The focus is to resolve the problem. The response crews use discretion in assisting the property owner/occupant as

reasonably as they can. Be aware that BPU could face increased liability for any further damages inflicted to private property during such assistance. In the event the SSO occurs inside a structure, the Wastewater Collection Manager shall be notified. The Wastewater Collection Manager shall personally access and document all damages as well as notify Supervisor of event. The response crew shall enter private property for purposes of assessing damage. Crew shall notify Foreman to take appropriate still photographs, if possible, of the area of the SSO and impacted area in order to thoroughly document the nature and extent of impact.

5. Field Supervision and Inspection

- The Foreman of the Responding Crew or who confirmed the SSO, visits the site of the SSO, if possible, takes photos and installs warning sign to ensure that provisions of the overflow response plan and other directives are met.

6. Coordination with Hazardous Material Response

- Upon arrival at the scene of a SSO, should a suspicious substance (e.g., oil sheen, foamy residue) be found on the ground surface, or should a suspicious order (e.g., gasoline) not common to the sewer system be detected, the responding crew should secure the immediate area; then, contact Dispatcher or the Benton Fire Department. **Remember that any vehicle engine, portable pump or open flame (e.g., cigarette lighter) can provide the ignition for an explosion or fire should flammable fluids or vapors be present. Keep a safe distance and observe caution until assistance arrives.**
- Only when the Benton Fire Department determines is safe and appropriate for personnel to resume activities can they then proceed under the SSORP with the containment, clean-up activities and correction.

C. Overflow Correction, Containment, and Clean-Up

SSOs of various volumes occur from time to time in spite of concerted prevention efforts. Spills may result from blocked sewer lines, pipe failures, or mechanical malfunctions among other natural or man-made causes. BPU is constantly on alert and ready to respond upon notification and confirmation of an overflow.

The objectives of these actions are:

- To protect public health, environment and property from sewage overflows and restore surrounding area back to normal as soon as possible;
- To promptly notify the regulatory agency's communication center of Preliminary overflow information and potential impacts;
- To contain the SSO to the maximum extent possible including preventing the discharge of sewage into surface waters; and
- To minimize the BPU exposure to any regulatory agency penalties and fines.

Under most circumstances, BPU handles all response actions with its own maintenance forces. They have the skills and experience to respond rapidly and in the most appropriate manner. An important issue with respect to an emergency response is to ensure that the temporary actions necessary to divert flows and repair the problem do not produce a problem elsewhere in the system. For example, repair of a force main could require the temporary shutdown of the pump station and diversion of the flow at an upstream location. If the closure is not handled properly, sewage system backups may create other overflows.

Circumstances may arise when the BPU could benefit from the support of private-sector construction assistance. This may be true in the case of large diameter pipes buried to depths requiring sheet piling and dewatering should excavation be required. BPU may also choose to use private contractors for open excavation operations that might exceed one day to complete.

1. Responsibilities of Response Crew Upon Arrival

It is the responsibility of the first personnel who arrive at the site of a SSO to protect the health and safety of the public by mitigating the impact of the SSO to the extent possible. Should the SSO not be the responsibility of BPU, BPU shall notify Benton Code Enforcement of the incident.

Upon arrival at an SSO, the response crew:

- Determines the cause of the overflow, e.g. sewer line blockage, pump station mechanical or electrical failure, sewer line break, etc.;
- Identifies and requests, if necessary, assistance or additional resources to correct the overflow or to assist in the determination of its cause;
- Takes immediate steps to stop the overflow, e.g. relieves pipeline blockage, manually operates pump station controls, repairs pipe, etc. Extraordinary steps may be considered where overflows from private property threaten public health and safety (e.g., an overflow running off of private property into the public right-of-way); and
- Requests additional personnel, materials, supplies, or equipment that will expedite and minimize the impact of the SSO

2. Initial Measures for Containment

Initiate measures to contain and/or recover the overflowing sewage in order to minimize the impact to public health or the environment.

- Determine the immediate destination of the SSO, e.g. storm drain, street curb gutter, body of water, creek bed, etc.;
- Identify and request the necessary materials and equipment to contain or isolate the overflow, if not readily available; and
- Take immediate steps to contain the overflow, e.g., block or bag storm drains, recover through vacuum truck, divert into downstream manhole, etc. if conditions allow as determined by BPU Wastewater Department.

3. Additional Measures Under Potentially Prolonged Overflow Conditions

In the event of a prolonged sewer line blockage or a sewer line collapse, set up a portable bypass pumping operation around the obstruction.

- Take appropriate measures to determine the proper size and Number of pumps required to effectively handle the sewage flow.

- Implement continuous or periodic monitoring of the bypass pumping operation as required.
- Address regulatory agency issues in conjunction with emergency repairs.

4. Cleanup

SSO sites are to be thoroughly cleaned after an overflow. No readily identified residue (e.g., sewage solids, papers, rags, plastics, rubber products) is to remain.

- Where practical, thoroughly flush the area and clean of any sewage or wash-down water. Solids and debris are to be flushed, swept, raked, picked-up, and transported for proper disposal.
- Secure the overflow to prevent contact by members of the public until the site has been thoroughly cleaned. If posting is required, refer to Section IV.
- Where appropriate, disinfect and deodorize the overflow site.
- Where sewage has resulted in ponding, pump the pond dry and dispose of the residue in accordance with applicable regulations and policies.
- If a ponded area contains sewage which cannot be pumped dry, it may be treated with bleach. If sewage has discharged into a body of water that may contain fish or other aquatic life do not use bleach or other appropriate disinfectant and contact the Arkansas Game & Fish Commission for specific instruction.
- Use of portable aerators may be required where complete recovery of sewage is not practical and where severe oxygen depletion in existing surface water is expected.

D. Overflow Report

Emergency crew or response crew completes an Overflow Report Form. Emergency crew or response crew promptly notifies Dispatcher when the SSO is eliminated. Information regarding the SSO includes the following:

- Indication that the SSO reached surface waters, i.e., all SSO where sewage was observed running to surface waters, or there was obvious indication (e.g. sewage residue) that sewage flowed to surface waters.
- Indication that the SSO reached and discharged without containment into a storm drain, ditch, drip inlet, or catch basin.
- Indication that the SSO has not reached surface waters. Guidance in characterizing these overflows to include:
 - a. SSO to covered storm drains (with no public access) where personnel verify, by inspection, that the entire volume is contained in a sump or impoundment and where complete clean up occurs leaving no residue.
 - b. Preplanned or emergency maintenance jobs involving bypass pumping if access by the public to a bypass channel is restricted and subsequent complete clean up occurs leaving no residue. Any preplanned bypass under these circumstances will not be considered any overflow; and
 - c. SSOs where observation or on-site evidence clearly indicates all sewage was retained on land and did not reach a surface water and where complete cleanup occurs leaving no residue.
- Determine the start time of the SSO by one of the following methods:
 - a. Date and time information received and/or reported to have begun and later substantiated by the Emergency crew or response crew:
 - b. Visual observation; or
 - c. Pump station and lift station flow charts and other recorded data.
- Determine of the stop time of the SSO by one of the following methods:
 - a. When the blockage is cleared or flow is controlled or contained; or
 - b. The arrival time of the Emergency crew or response crew, if the SSO stopped between the time it was reported and the time of arrival.
- Visual observations

An estimation of the rate of SSO in gallons per minute (GPM) by one of the following criteria

- a. Direct observation of the overflow. See Appendix C for guidance on estimating sewer overflow rates.
- b. Measurement of actual overflow from the sewer main.
- Determination of the volume of the SSO:
 - a. When the rate of overflow is known, multiply the duration of the overflow by the overflow rate; or
 - b. When the rate of overflow is not known, investigate the surrounding area for evidence of ponding or other indications of overflow volume.
- Photographs of the event, before and after cleanup, when possible.
- Assessment of any damage to the exterior areas of public/private property. Personnel shall enter private property for purposes of estimating damage to structures, floor and wall coverings, and personal property.

IV. PUBLIC ADVISORY PROCEDURE

This section describes the actions BPU takes, in cooperation with ADEQ and the Arkansas Department of Health to limit public access to areas potentially impacted by unpermitted discharges of pollutants to surface water bodies from the wastewater collection system. Temporary and permanent public notice will be provided as indicated below. A sample of both notices is provided in Appendix D.

A. Temporary Public Notice

BPU has primary responsibility for determining when to post notices of polluted surface water bodies or ground surfaces that result from uncontrolled wastewater discharges from its facilities. The postings do not necessarily prohibit use of recreational areas, unless posted otherwise, but provide a warning of potential public health risks due to sewage contamination.

Table IV-1 outlines the decision process to recommend to the Manager that posting of a confirmed SSO be undertaken or that there is reasonable potential for an SSO to occur thus the need to post in advance. If posting is deemed necessary and the ADEQ shall be notified.

B. Permanent Public Notice

BPU shall place a permanent notice at manholes located on City owned property that may experience SSO's more than once in any twelve-month period. A list of applicable manholes has been provided in Appendix A, Table A-1.

**Table IV-1
Decision Process to Post Temporary Signage**

Category	Step	Event
Reported Overflow	1	Wastewater Collection Manager or Response Crew confirms SSO that is not posted has resulted in ponded wastewater (ground surface or ditch ponding), or direct discharge to body-contact recreational waters.
	2	Wastewater Collection Manager notifies General Manager and provides relevant SSO information. a) SSO Location b) Remedial action being taken
	3	Wastewater Collection Manager and General Manager determines the need and extend of posting.
	4	Warning sign(s) is/are posted by Wastewater Collection Manager.
Potential Overflow	1	Reasonable potential for SSO that will result in ponded wastewater (ground surface or ditch ponding), or direct discharge to body-contact recreational waters.
	2	Wastewater Collection Manager identifying potential SSO consults with General Manager for final decision on posting.
	3	General Manager directs Wastewater Collection Manager to post warning signs and notifies Communication Specialist of intent to post and location.

C. Other Public Notification

If the Manager determines additional public notification is needed, the Administration will make said notifications under the Manager's direction.

V. REGULATORY AGENCY NOTIFICATION PLAN

The Regulatory Agency Notification Plan establishes procedures that BPU follows to provide formal notice to the ADEQ as necessary in the event of SSOs. The reporting criteria below explains to whom various forms of notification should be made, and lists agencies/individuals to be contacted.

Agency notifications will be performed in parallel with other internal notifications. The procedures for providing notification to the media of an SSO is presented in Section VI – Media Notification Procedure. Internal notification and mobilization of personnel are detailed in Section III – Overflow Response Procedure.

A. Immediate Notification

The Wastewater Collection Manager notifies and reports the SSO to ADEQ in compliance with BPU Wastewater Plant NPDES Permit. For convenience, the applicable NPDES Permit reporting requirements are reprinted below:

"The permittee shall report all overflows with the Discharge Monitoring Report (DMR) submittal. These reports shall be summarized and reported in tabular format. The summaries shall include: The date, time, duration, location, estimated volume, and cause of overflow; observed environmental impacts from the overflow; action taken to address the overflow; and ultimate discharge location if not contained (e.g. storm sewer system, ditch, tributary). Overflows, which endanger health or the environment, shall be orally reported to this department (Enforcement Section of Water Division) within 24 hours from the time the permittee becomes aware of the circumstance. A written report of overflows which endanger health or the environment, shall be provided within 5 days of the time the permittee becomes aware of the circumstance."

The Operations Secretary is responsible for meeting the 24-hour oral or fax notification requirement. The name, mailing address, e-mail address, telephone and fax number for the primary ADEQ contact is provided below:

~~Ms. Lorraine Stewart~~
Arkansas Department of Environmental Quality
P. O. Box 8913
Little Rock, Arkansas 72219-8913
Telephone: 501.682.0633 0028 (0744) alt
Facsimile: 501.682.0910 0880

WATER DIVISION Enforcement Bm
5301 Northshore Dr
NLR, AR 72118-5317
www.Adeq.state.AR.US
water div - enforcement

B. Secondary Notifications

After those parties identified in Section A. Immediate Notification have been contacted, the General Manager will notify other federal, state, and local agencies, as well as other interested and possibly impacted parties as directed by the Manager.

VI. MEDIA NOTIFICATION PROCEDURE

When a SSO has been confirmed and is a threat to public health, take the following actions, if necessary to notify the media:

- A.** Sewer investigator or response crew verifies overflow and reports back to the Dispatcher.
- B.** The Dispatcher informs the General Manager. The primary contact should be the General Manager. Table VI-1 provides contact names and numbers for the General Manager.
- C.** After hours and weekend SSOs should also be reported to the General Manager at the numbers listed in Table VI-1.
- D.** All media requests received should be referred to the General Manager office.
- E.** The following personnel are authorized to be interviewed by the media and are the designated spokesperson:

Terry McKinney, General Manager

Table VI-1

Benton Public Utility Media Contact

Contact	Contact Name	Office	Mobile
Primary	Terry McKinney	501.776.5984	501.317.1223

VII. DISTRIBUTION AND MAINTENANCE OF SSORP

Annual updates to the SSORP reflect all changes in policies and procedures as may be required to achieve its objectives.

A. Submittal and Availability of SSORP

Distribute copies of the SSORP and any amendments to the following departments and functional positions:

<u>Departments</u>	<u>Functional positions</u>
Administration	General Manager
Engineering	Director

Familiarize all other personnel who may become incidentally involved in responding to overflows with the SSORP.

B. Review and Update of SSORP

Review the SSORP annually and amend as appropriate. BPU should:

- Update the SSORP with the issuance of a revised or new NPDES permit or state waste discharge permit;
- Conduct annual training sessions with appropriate personnel; and
- Review and update, as needed, the various contact person lists included in the SSORP.

C. Practical Resources

There will be small laminated pocket guides printed and furnished to all employees that are involved with the SSO Response Plan, which will provide an overview of the procedures as well as essential phone numbers. There will also be a quick reference for estimating sewer overflow volumes.

D. Training

Each division will be responsible for training their own personnel. The training should consist of any employee involved in or possible involvement in the SSO process is furnished a copy of the SSO Response Plan and said plan gone over in depth with them. This training should take place annually or when revisions occur, so that all personnel are brought up to date of any changes that may occur. Each division should also review their response efforts at these annual-training sessions and take suggestions to revise procedures. These suggestions will then be submitted to all divisions for review to determine if revisions are required.

APPENDIX A. SSO ACTION PLAN

Dispatching Crews

Dispatchers receive notification of possible SSOs from two sources public and internal crews.

Notification during working hours

Dispatchers receive notification of a possible SSO from public at which time they collect all relevant information as outlined in Section III A, which at this point they dispatch one of our Maintenance Crews to the site to verify if an SSO has occurred. Crew will report findings back to Dispatcher.

Responding Crew determines if SSO has occurred and attempts to resolve problem, then contacts the Area Foreman within 1-hour of being notified by dispatcher. The area Foreman goes to site takes photographs before clean-up is started and places warning sign at site as well as adjacent homes if required. Foreman also verifies that emergency crew has filled out SSO report and required information is on form.

Crews at this point start cleanup and sanitize site, which when complete, crew is to contact Area Foreman. Area Foreman is to go back to site and verify cleanup is completed, take photographs and remove warning signs.

Notification after hours

Emergency crews receive notification of possible SSO from public at which time they collect all relevant information as outlined in Section III. A. and proceed to location. (Emergency crew mans emergency phone after hours)

Emergency crew determines if SSO has occurred and attempts to resolve problem then takes photographs before cleanup and places warning signs at site as well as adjacent homes if required. Crew is to fill out SSO report and turn in with their paper work at the beginning of the next workday.

Emergency crew then starts clean-up and sanitize site, which when completed crew is to take photographs and remove warning signs.

If the SSO occurred within a structure the Area Foreman is to verify cleanup has been completed and all policies followed. Site visit is to be performed the first work day after the overflow occurrence.

APPENDIX A. SSO ACTION PLAN (continued)

Internal Notification

Personnel in the field find a SSO are to contact the Dispatcher and give him the relevant information as outlined in Section III. A. The same procedure as shown for public notification under working hours will be used.

During heavy rain events our crews will investigate possible recurring SSO sites to verify if any overflow has occurred. These crews will visit sites which has been determined as being locations that have potential to overflow. The Crew will follow the same procedure as outlined under public notification during working hours. After crews have gone through their list, then they will start clean-up at each site.

Crews will walk lines and open manholes to check for any blockage or surcharged lines before an SSO exist. The crew will address all stoppages immediately to restore service. Crew will fill out a hand written work orders for additional follow-up investigation and will be turned in the following workday. A cleaning and TV work is required on ALL main line sections where stoppages are found and where the work has not been performed during the initial investigation. If the crews find a SSO, then they follow the same procedure as shown in public notification during working hours.

Main line blockages will be cleaned within three (3) working days and follow-up TV work order to be completed within an additional two (2) working days. After TV work has been completed the Maintenance Coordinator will review the TV video to determine any subsequent appropriate action to prevent re-occurrence.

APPENDIX B DETECTING POTENTIAL EXPLOSIVE OR TOXIC CONDITIONS

Purpose:

To ensure that all affected BPU employees are notified of potential health or safety hazards in the BPU collection system.

Procedures:

The following procedures must be followed when detecting potential health or safety hazards in the BPU collection system:

Step 1

The BPU employee(s) or crew discovering the potential health or safety hazard must notify dispatch (via Radio or 776-5958) or the General Manager Department (776-5984) to report the potential problem.

A. Information included in the report:

1. Name of the employee making the report
2. Street address or location or potential hazard
3. Manhole number (if known)
4. Brief description of findings (see attached form)

B. If the health or safety hazard was reported to dispatch: dispatch should contact the General Manager and Benton Fire Department and report the above information.

Step 2

General Manager and Benton Fire Department will then investigate the report.

Step 3

If Safety confirms the report, Safety will notify dispatch to ALERT all affected field crews via RADIO that the reported area is "Off Limits" until further notified. Safety will notify ALL other affected BPU department supervisors of the reported area.

Step 4

Dispatch will draft a notice with the location of the ALERTED areas and place a copy on all Safety News Bulletin Boards and Backdoors at our Complex. Dispatch will also forward a copy of the notice to Safety for placement on other Safety News BB's throughout the utility.

Step 5

If the investigation suspects a Natural Gas Leak, Safety will contact Centerpoint Energy to report the situation.

Step 6

Dispatch will keep ALL affected BPU departments informed of the situation and monitor their (Centerpoint Energy) findings.

Step 7

Once the health or safety hazard has been corrected, crews will perform a follow-up investigation and when NO HAZARDOUS conditions exist, crews will remove the Safety ALERT and notify all affected departments.

Step 8

If gasoline, solvents, paint, or other foreign material is suspected and the hazardous area is located in an Industrial/Commercial Area, Dispatch will contact the Benton Fire Department and transfer the report for further action. 776-5960.

After Hours Reporting

If a hazardous atmosphere is detected after normal working hours, the employee must report the area the next working day prior to his/her normal working hours. After this report is made the process will begin with step one.

APPENDIX C SSO FLOW AND VOLUME DETERMINATION

As indicated previously in this SSORP, each SSO actively discharging during the investigation phase of this response plan's tasks shall be evaluated for flow and ultimately total volume discharged, each of which is to be included as part of the reporting requirements. The Engineering Department has defined a three tiered flow estimating system that is derived from the reaction of the manhole lid in relation to the flow existing the collection system. This system is easily field estimated without the need for measuring devices, which in most instances, would fail to achieve a proper signal due to the lack of sufficient depth of flow.

It has been determined that the majority of actively discharging SSOs reported by a response crew would be non-capacity related. Therefore criteria for determining flow should concentrate on these conditions for gravity sewer collection systems. The three-category rating system is outlined below:

0 – 10 gpm(gallons per minute)

This rate covers the light discharge experienced in the upper reaches of the collection system, usually with a small number of residential connections. The visual indicator would be a light flow (about the rate of a standard faucet) from around the manhole lid with no visible release of debris or solids, and no movement or lifting of the lid itself.

10 – 100 gpm

This rate covers the moderate discharge experienced in the lower reaches of the collection system, usually along the larger collector or outfall type sewer mains (typically 10" and larger mains) and in some capacity related SSOs. The visual indicator would be a noticeable flow from around the manhole lid, slight debris or solids release, and a rocking or slight lifting of the manhole lid.

> 100 (greater than 100 gpm)

This rate covers the heavy discharge experienced along the major outfall sewers and larger capacity related SSOs. The visual indicator is the definite release of debris or solids, and the complete lifting or displacement of the manhole lid.

SSO volumes are derived from the above category multiplied by the duration of discharge. If the exact length of discharge is unknown, criteria for determining an estimated time has been established in the Section III.D, Overflow Report.

**APPENDIX D
SIGNAGE FOR OVERFLOWS**

The following language shall be used on signs located on existing SSO sites during cleanup and on notices attached to homes adjacent to SSO sites:

**NOTICE OF
SANITARY SEWER OVERFLOW**

**Please avoid contact with this
sanitary sewer facility due to
the possibility of adverse health effects
until cleanup can be completed**

**For Additional Information
Contact 776-5955**

The following language shall be used on signs located on potential SSO sites that occur more than once in a twelve-month period:

**NOTICE OF
SANITARY SEWER OVERFLOWS
WHICH MAY OCCUR
AT THIS LOCATION**

**Please avoid contact with this
sanitary sewer facility during an
Overflow condition due to the
possibility of adverse health effects
until cleanup can be completed**

**For Additional Information
Contact 776-5955**

Appendix 2 Drainage Basin Map

Table of Contents

Title	Pages
Benton Public Utility Drainage Basin Map.....	1

**MAP(S)/PLAN(S) SCANNED IN
SEPARATE FILE**

Appendix 3 Smoke Test Field Inspection Form

Table of Contents

Title	Pages
Benton Public Utility Smoke Test Field Inspection Form	1

SMOKE TEST RECORD CITY OF BENTON

Street Name / Location 105 W. HAZEL

Grid Number P11

Size 4"

Basin Number 5

Material PVC

Downstream Manhole No. _____

Upstream Manhole No. _____

Date: 7/7/11 Crew Leader: To General Location: FRONT YARD / UNDER DECK

Area Cover: Concrete Pavement ___ Asphalt Pavement ___ Sidewalk ___ Gravel ___ Grass ___ Wooded ___

Defect Location: Main Line ___ Service Line ___ Clean Out Leak at Manhole # _____ Cross Connect ___
Other (describe) _____

Description and sketch:

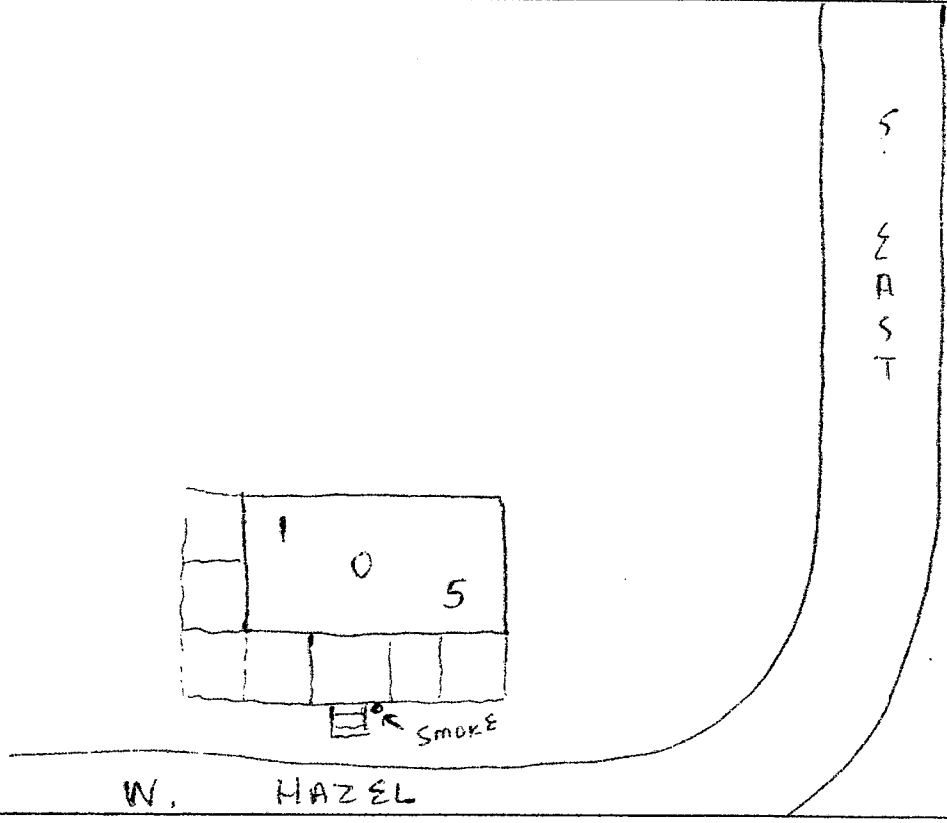
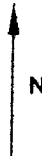


Photo # 100-0477

Comments: TOP OF CLEAN OUT BROKEN- NEEDS REPLACED

Benton Utilities

City of Benton: Smoke test

Basin # 5
Grid # P11
Photo # 100-0477

Date: 7/7/2011
Downstream manhole#
Upstream Manhole#



**Appendix 4
Manhole Repair Record**

Table of Contents

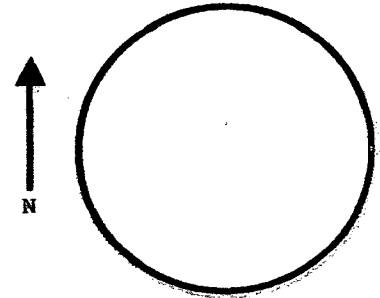
Title	Pages
Benton Public Utility Manhole Inspection / Daily Form	1

MANHOLE INSPECTION/ DAILY FORM

MANHOLE LOCATION

STREET _____ MANHOLE NUMBER _____
ADDRESS _____

- LOCATION:
- | | |
|-------------------------------------|---------------------------------------|
| <input type="checkbox"/> FRONT YARD | <input type="checkbox"/> PARKING LOT |
| <input type="checkbox"/> BACK YARD | <input type="checkbox"/> ALLEY |
| <input type="checkbox"/> SIDE YARD | <input type="checkbox"/> IN STREET |
| <input type="checkbox"/> DRIVEWAY | <input type="checkbox"/> INTERSECTION |
| <input type="checkbox"/> SIDEWALK | <input type="checkbox"/> BASEMENT |
| <input type="checkbox"/> CURB | <input type="checkbox"/> OTHER: _____ |



SKETCH INVERT CONFIGURATION
NOTE FLOW DIRECTION WITH ARROW

GENERAL

MANHOLE DIMENSIONS: DEPTH IN FT. _____ IN. _____ DIAMETER _____

STRUCTURE TYPE: BRICK BLOCK PRECAST

GROUNDWATER INFILTRATION: SEVERE 5 4 3 2 1 NONE

SULFIDE INDUCED CORROSION: SEVERE 5 4 3 2 1 NONE

MANHOLE PREPARATION

DATE WASHED: _____

WATER PRESSURE (PSI) _____

INVERT REPAIR: YES METHOD USED _____
 NO

BENCH REBUILD: YES METHOD USED _____
 NO

INFILTRATION CONTROL: MINOR PATCHING (HYDRAULIC CEMENT)
 MAJOR PATCHING (HYDRAULIC CEMENT)
 MINOR PATCHING (CHEMICAL GROUT)
 MAJOR PATCHING (CHEMICAL GROUT)

MANHOLE LINING

DATE SPRAYED: _____

LINER THICKNESS: 0.5 in
1.0 in
1.5 in
2.0 in

LINER MATERIAL USED: _____

NUMBER OF BAGS USED: _____

TROWEL FINISH YES NO

BRUSH FINISH YES NO

4 MIL PLASTIC PLACED BETWEEN FRAME AND COVER YES NO

QA/QC

COMPRESSIVE STRENGTH MATERIAL SPECIMEN: YES NO

NUMBER OF SPECIMEN CAST _____

MANHOLE VACUUM TESTING: YES NO

PASSED TESTING: YES NO

Appendix 5

Benton Utilities Sanitary Sewer Manhole Repair Record

Table of Contents

Title	Pages
Summary Sheet.....	1
Basin 1.....	1-4
Basin 2.....	1-15
Basin 3.....	1-19
Basin 4.....	1-7
Basin 5.....	1-18
Basin 6.....	1-7
Basin 7.....	1-4
Basin 8.....	1-12
Basin 9.....	1-4
Basin 10.....	1-28
Basin 11.....	1-16

BENTON UTILITIES SS MANHOLE REPAIR RECORD SUMMARY

Basin No.	Total No. Manholes	Unable to Access	Surface Above Manhole						Need for Repair					Repair Requirement						Manhole Replaced	Sealed at Pipe	Bench and Trough Repaired or Hole	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
			Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim	Seal Rim or Extension									Cementitious Lining		
BASIN NO. 1	110	10	0	3	0	3	76	18	79	2	3	14	10	0	3	2	0	4	14	3	0	0	0	0	0	0	0	0	0	0
BASIN NO. 2	495	116	12	96	9	0	221	57	351	0	14	14	116	0	10	4	6	112	6	7	0	0	0	0	0	0	0	0	0	
BASIN NO. 3	655	115	30	241	0	11	226	93	456	8	36	40	115	0	40	21	11	108	16	31	0	17	0	0	4	0	0	17	0	
BASIN NO. 4	217	15	3	125	6	7	63	7	182	0	13	5	15	0	3	1	1	16	2	11	0	0	0	1	1	0	0	0	0	
BASIN NO. 5	594	35	4	344	4	20	160	62	461	4	65	19	35	0	51	18	18	46	2	58	0	0	0	0	16	0	0	0	0	
BASIN NO. 6	210	14	2	75	0	16	78	37	129	0	18	48	14	0	26	5	3	24	27	20	0	0	0	1	8	0	0	0	0	
BASIN NO. 7	124	34	1	40	0	5	36	5	75	0	6	9	34	0	2	4	1	35	8	2	0	0	0	0	2	0	0	0	0	
BASIN NO. 8	386	72	2	134	0	12	183	37	291	0	6	11	72	0	10	5	4	76	3	1	0	0	0	0	12	0	0	0	0	
BASIN NO. 9	107	2	5	29	0	6	43	20	69	1	4	30	2	0	15	4	1	5	18	7	0	0	0	0	11	0	0	0	0	
BASIN No. 10	949	43	34	239	21	12	531	78	455	3	155	287	43	1	256	48	33	74	140	192	0	5	0	0	22	0	5	0	5	
BASIN NO. 11	540	5	26	54	94	15	337	12	406	1	7	117	5	1	32	5	2	47	71	4	0	0	0	0	21	0	0	0	0	
Totals	4,387	461	119	1,380	134	107	1,954	426	2,954	19	327	594	461	2	448	117	80	547	307	336	0	22	0	2	87	0	22	0	22	
Manholes Inspected	3,926								75.2%	0.5%	8.3%	15.1%		0.1%	11.4%	3.0%	2.0%	13.9%	7.8%	8.6%										
	89.5%	10.5%																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 1

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining		
River Oak Dr	J-10	8/26/2011		4'8"	J	10-23				1		1																					
River Oak Dr	J-10	8/26/2011		8'4"	J	10-24				1		1																					
River Oak Dr	J-10	8/26/2011		10'3"	J	10-25				1		1																					
River Oak Dr	J-10	8/26/2011	1		J	10-26				1					1				1														
River Oak Dr	J-10	8/26/2011		5'8"	J	10-27				1		1																					
River Oak Dr	J-10	8/26/2011		5'1"	J	10-28				1				1						1													
River Oaks Dr	J-10	8/26/11		4'5"	J	10-29				1		1																					
River Oaks Dr	J-10	8/26/2011		6'	J	10-30				1		1																					
River Oaks Dr	J-10	8/26/2011	1		J	10-30 A									1																		
Hwy 5	J-10	8/26/2011	1		J	10-31									1																		
River Oaks Dr	J-10	8/26/2011	1		J	10-36									1																		
Volcanic Dr	K-10	8/24/2011		8'5"	K	10-2	1				1																						
Volcanic Dr	K-10	8/24/2011		7'3"	K	10-3				1				1						1													
Volcanic Dr	K-10	8/24/2011	1		K	10-3 A									1																		
Twin Oaks Dr	K-10	8/24/2011		5'10"	K	10-3 B				1		1																					
Twin Oaks Dr	K-10	8/24/2011		5'4"	K	10-3 C	1					1																					
Volcanic Dr	K-10	8/24/2011		6'2"	K	10-4				1		1																					
Volcanic Dr	K-10	8/24/2011	1		K	10-6									1																		
River Oaks Pointe Ct	K-10	8/24/2011	1		K	10-8									1																		
Twin Oaks Dr	K-15	8/24/2011		5'1"	K	10-60				1		1				1	1				1												
TOTALS			24				0	3	0	4	70	16	67	2	3	14	24	0	3	2	0	5	14	3		0	0	0	0	0	0	0	0

Total No. Manholes 110

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining			
Shasta Trinity	G-12	9/11/12	1		G	12-1											1																	
Nature Way	G-12	9/11/12		6'6"	G	12-49													1															
Nature Way	G-12	9/11/12	1		G	12-50																												
Nature Way	G-12	9/11/2012		16'	G	12-51																												
Nature Way	H-12	9/11/2012		5'6"	H	12-1				1																								
Nature Way	H-12	9/11/2012		9'5"	H	12-2																												
Nature Way	H-12	9/12/2012	1		H	12-9																												
Nature Way	H-12	9/11/2012		6'5"	H	12-10																												
Nature Way	H-13	8/28/2012		10'9"	H	13-3																												
Nature Way	H-13	8/28/2012	1		H	13-4																												
Nature Way	H-13	8/28/2012		9'	H	13-5																												
Nature Way	H-13	8/28/2012		6'7"	H	13-6																												
Nature Way	H-13	8/28/2012		13'5"	H	13-7																												
St Francis Cv.	H-13	8/28/2012	1		H	13-8																												
St Francis Cv.	H-13	8/28/2012		9'	H	13-9																												
St Francis Cv.	H-13	8/28/2012		7'2"	H	13-10																												
Nature Way	H-13	8/28/2012	1		H	13-11																												
Nature Way	H-13	8/28/2012		12'7"	H	13-12																												
National Forest Dr	H-13	8/28/2012		9'9"	H	13-13																												
Quachita Cv	H-13	8/28/2012	1		H	13-14																												
Quachita Cv	H-13	8/28/2012		6'9"	H	13-15																												
Quachita Cv	H-13	8/28/2012		8'1"	H	13-16																												
National Forest Dr	H-13	9/11/2012		8'3"	H	13-17																												
National Forest Dr	H-13	9/11/2012		9'	H	13-18																												
National Forest Dr	H-13	9/11/2012		10'3"	H	13-19																												
Beaverhead Cv	H-13	9/11/2012		9'7"	H	13-21																												
Beaverhead Cv	H-13	9/11/2012	1		H	13-22																												
Beaverhead Cv	H-13	9/11/2012		8'6"	H	13-23																												
Salt Creek	I-11	10/18/2012		7'6"	I	11-1																												
Salt Creek	I-11	10/18/2012	1		I	11-1 A																												
Salt Creek	I-11	10/18/2012		7'9"	I	11-2																												
Britton Rd	I-11	10/12/2012		5'4"	I	11-6																												
Salt Creek	I-11	10/18/2012		7'3"	I	11-7																												
Britton Rd	I-11	10/12/2012		5'8"	I	11-8																												
Britton Rd	I-11	10/12/2012	1		I	11-9																												

Basin 2 Manhole Inspection Repairs 062713

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementious Lining					
Salt Creek	I-11	10/18/2012		5'11	I	11-10		1				1																								
Salt Creek	I-11	10/18/2012		6'2	I	11-10 A		1				1																								
Salt Creek	I-11	10/15/2012		6'10	I	11-10 B					1	1																								
Britton Rd	I-11	10/12/2012		7'4	I	11-12		1				1																								
Britton Rd	I-11	10/12/2012		5'10	I	11-13		1				1																								
Britton Rd	I-11	10/12/2012		6'2	I	11-14		1				1																								
Britton Rd	I-11	10/12/2012		6'5	I	11-15		1						1																						
Britton Rd	I-11	10/12/2012		5'1	I	11-16					1			1																						
Britton Rd	I-11	10/12/2012	1		I	11-17					1				1																					
Britton Rd	I-11	10/12/2012	1		I	11-18					1				1																					
Salt Creek	I-11	10/9/2012		7'	I	11-19					1	1																								
Pheasant	I-11	10/12/2012	1		I	11-19 A									1																					
Pheasant	I-11	10/12/2012		7'11	I	11-19 B					1	1																								
Salt Creek	I-11	10/18/2012		5'7	I	11-20		1				1																								
Salt Creek	I-11	10/18/2012		7'	I	11-21		1				1																								
Salt Creek	I-11	10/18/2012		8'5	I	11-22		1				1																								
Salt Creek	I-11	10/18/2012		6'6	I	11-23		1				1																								
Salt Creek	I-11	10/18/2012		4'9	I	11-23 A		1				1																								
Valley Vista	I-11	10/15/2012		4'6	I	11-24					1	1																								
Valley Vista	I-11	10/15/2012		5'10	I	11-25					1	1																								
Valley Vista	I-11	10/15/2012		4'10	I	11-26					1	1																								
Partridge	I-11	10/12/2012	1		I	11-27					1				1																					
Partridge	I-11	10/12/2012		7'1	I	11-27 B					1	1																								
Partridge	I-11	10/12/2012		12'	I	11-28					1			1																						
Valley Vista Cir.	I-11	10/15/2012		7'11	I	11-30		1				1																								
Valley Vista Cir.	I-11	10/15/2012		7'8	I	11-31					1	1																								
Duncan	I-11	10/15/2012		11'3	I	11-31 A		1				1																								
Valley Vista	I-11	10/15/2012		6'2	I	11-32					1	1																								
Valley Vista	I-11	10/15/2012		5'10	I	11-33					1	1																								
Valley Vista Cir.	I-11	10/15/2012		6'4	I	11-34					1	1																								
Valley Vista	I-11	10/15/2012		5'6	I	11-35					1	1																								
Salt Creek	I-11	10/15/2012	1		I	11-36									1																					
Partridge	I-11	10/12/2012		7'11	I	11-42					1	1																								
Partridge	I-11	10/12/2012		8'2	I	11-43					1				1																					
Clayton Oaks Dr	I-12	9/18/2012		9'1	I	12-1					1				1																					

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed												
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining								
Clayton Oaks Dr	I-12	9/18/2012		15'10	I	12-2	1					1																											
Sharon Rd	I-12	9/18/2012		3'10	I	12-3		1				1																											
Grand Oaks Dr	I-12	9/18/2012		9'1	I	12-4					1	1																											
Scarlet Oaks Dr	I-12	9/11/2012		7'4	I	12-4 A			1			1																											
Sterling Oaks Dr	I-12	9/11/2012		10'11	I	12-5					1	1																											
Sharon Rd	I-12	9/18/2012		4'10	I	12-6		1				1																											
Graceful Oaks Dr	I-12	9/11/2012		8'5	I	12-7			1			1																											
Sharon Rd	I-12	9/18/2012	1		I	12-8											1						1																
Mesa Bend	I-12	9/18/2012		7'	I	12-9		1				1																											
Mesa Bend	I-12	9/18/2012		9'8	I	12-10		1				1																											
Mesa Bend	I-12	9/18/2012		9'11	I	12-11		1				1																											
Graceful Oaks Dr	I-12	9/11/2012		8'7	I	12-12			1			1																											
Graceful Oaks Dr	I-12	9/11/2012		7'9	I	12-13			1			1																											
Scarlet Oaks Dr	I-12	9/11/2012		7'1	I	12-15			1			1																											
Sterling Oaks Dr	I-12	9/11/2012		5'10	I	12-16					1	1																											
Scarlet Oaks Dr	I-12	9/18/2012		7'	I	12-17					1	1																											
Scarlet Oaks Dr	I-12	9/18/2012		6'11	I	12-18					1	1																											
Sterling Oaks Dr	I-12	9/11/2012		6'	I	12-19					1	1																											
Sterling Oaks Dr	I-12	9/11/2012		7'8	I	12-20			1			1																											
Grand Oaks Dr	I-12	9/18/2012		13'11	I	12-21					1	1																											
Grand Oaks Dr	I-12	9/18/2012		9'7	I	12-22					1	1																											
Grand Oaks Dr	I-12	9/18/2012		8'11	I	12-23					1	1																											
Grand Oaks Dr	I-12	9/18/2012		7'10	I	12-24					1	1																											
Grand Oaks Dr	I-12	9/18/2012		7'8	I	12-25					1	1																											
Leigh	J-11	10/15/2012		7'5	J	11-1		1				1																											
Leigh	J-11	10/15/2012		7'4	J	11-2		1				1																											
Leigh	J-11	10/15/2012	1		J	11-3											1							1															
Leigh	J-11	10/15/2012		8'6	J	11-4		1				1																											
Leigh	J-11	10/15/2012		12'6	J	11-5					1	1																											
Leigh	J-11	10/15/2012		6'1	J	11-7							1		1										1														
Leigh	J-11	10/15/2012	1		J	11-7 A											1							1															
Leigh	J-11	10/15/2012	1		J	11-7 B											1							1															
Hwy 5	J-11	10/15/2012		6'3	J	11-10					1	1																											
Hwy 5	J-11	10/19/2012		5'11	J	11-11					1	1																											
Duncan	J-11	10/15/2012		8'1	J	11-12		1				1																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementitious Lining								
Duncan	J-11	10/19/2012		8'3	J 11-13		1					1																											
Duncan	J-11	10/19/2012		5'7	J 11-13 B		1					1																											
Duncan	J-11	10/15/2012		10'11	J 11-14						1	1																											
Duncan	J-11	10/15/2012		10'10	J 11-15						1	1																											
Duncan	J-11	10/15/2012	1		J 11-15 A												1																						
Duncan	J-11	10/15/2012		6'	J 11-15 B		1					1																											
Salt Creek	J-11	10/17/2012	1		J 11-18												1																						
Salt Creek	J-11	10/17/2012	1		J 11-19												1																						
Salt Creek	J-11	10/17/2012		4'3	J 11-23		1					1																											
Salt Creek	J-11	10/17/2012		6'10	J 11-24		1					1																											
Duncan	J-11	10/15/2012		5'2	J 11-24 A						1	1																											
Salt Creek	J-11	10/17/2012		8'	J 11-26		1					1																											
Salt Creek	J-11	10/18/2012	1		J 11-26 A												1																						
Salt Creek	J-11	10/8/2012		9'10	J 11-30						1	1																											
Salt Creek	J-11	10/18/2012		8'3	J 11-31		1					1																											
Shenandoah	J-11	10/8/2012	1		J 11-34																																		
Shenandoah	J-11	10/8/2012		7'7	J 11-35							1	1																										
Shenandoah	J-11	10/8/2012		8'2	J 11-36							1	1																										
Shenandoah	J-11	10/8/2012		7'4	J 11-38							1	1																										
Shenandoah	J-11	10/8/2012		5'11	J 11-39							1	1																										
Shenandoah	J-11	10/8/2012		9'8	J 11-40							1	1																										
Shenandoah	J-11	10/8/2012		12'1	J 11-43		1					1																											
Shenandoah	J-11	10/8/2012	1		J 11-43 A												1																						
Shenandoah	J-11	10/8/2012	1		J 11-43 B												1																						
Shenandoah	J-11	10/8/2012	1		J 11-43 C												1																						
Shenandoah	J-11	10/8/2012		8'9	J 11-44							1	1																										
Shenandoah	J-11	10/8/2012		6'3	J 11-44 A							1	1																										
Shenandoah	J-11	10/8/2012		10'6	J 11-45										1																								
Shenandoah	J-11	10/8/2012	1		J 11-45 A							1					1																						
Salt Creek	J-11	10/17/2012	1		J 11-46												1																						
Shenandoah	J-12	10/8/2012		6'6	J 12-2							1	1																										
Shenandoah	J-12	10/5/2012		8'11	J 12-3																																		
Shenandoah	J-12	10/9/2012	1		J 12-4																																		
Mountain Cv	J-12	10/4/2012		6'3	J 12-5		1					1																											
Mountain Cv	J-12	10/8/2012	1		J 12-8							1																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementious Lining					
Shenandoah	J-12	9/20/2012		4'5	J 12-9		1										1																			
Mountain Cv	J-12	10/8/2012	1		J 12-10					1										1																
Mountain Cv	J-12	10/8/2012	1		J 12-11																1															
Wright Ave	J-12	9/20/2012		5'1	J 12-12		1				1																									
Shenandoah	J-12	9/20/2012	1		J 12-13		1														1															
Shenandoah	J-12	9/20/2012		8'	J 12-14		1				1																									
Shenandoah	J-12	9/20/2012		13'2	J 12-15		1				1																									
Earle Dr	J-12	9/18/2012		3'7	J 12-28					1	1																									
Earle Dr	J-12	9/18/2012		4'2	J 12-30					1	1																									
Earle Dr	J-12	9/18/2012		5'7	J 12-31					1	1																									
Maia Lp	J-12	9/18/2012		6'7	J 12-32					1	1																									
Maia Lp	J-12	9/18/2012		3'7	J 12-33					1	1																									
Earle Dr	J-12	9/18/2012		8'4	J 12-34					1	1																									
Berwick Rd	J-12	9/18/2012		7'6	J 12-35		1				1																									
Berwick Rd	J-12	9/18/2012	1		J 12-35 A		1															1														
Berwick Rd	J-12	9/18/2012		6'2	J 12-37		1				1																									
Berwick Rd	J-12	9/18/2012	1		J 12-37 A																	1														
Berwick Rd	J-12	9/18/2012	1		J 12-37 B		1															1														
Berwick Rd	J-12	9/18/2012	1		J 12-37 C																	1														
Frendall	J-12	9/18/2012		14'2	J 12-40		1				1																									
Mesa Bend	J-12	9/20/2012	1		J 12-43																	1														
Mesa Bend	J-12	9/20/2012		6'8	J 12-44		1																1													
Mesa Bend	J-12	10/4/2012		12'7	J 12-45					1	1																									
Berwick Rd	J-12	9/18/2012		10'5	J 12-46		1				1																									
Mesa Bend	J-12	10/4/2012		9'	J 12-48					1	1																									
Mesa Bend	J-12	10/4/2012		6'11	J 12-48 A					1	1																									
Sharon Rd	J-12	9/20/2012		6'8	J 12-49		1				1																									
Sharon Rd	J-12	9/20/2012		5'10	J 12-49 A		1				1																									
Sharon Rd	J-12	9/20/2012	1	8'	J 12-50						1											1														
Sharon Rd	J-12	9/20/2012		6'1	J 12-51		1				1																									
Sharon Rd	J-12	10/4/2012		10'1	J 12-52		1				1																									
Sharon Rd	J-12	10/4/2012		5'7	J 12-54		1				1																									
Sharon Rd	J-12	10/4/2012		11'6	J 12-55					1	1																									
Berwick Rd	J-12	10/4/2012		7'9	J 12-56		1				1																									
Berwick Rd	J-12	10/4/2012		8'11	J 12-57		1				1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed																	
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementious Lining													
Berwick Rd	J-12	10/4/2012		6'4	J	12-58					1		1																															
Gage	J-12	10/4/2012		7'9	J	12-58 A	1						1																															
Gage	J-12	10/4/2012		7'6	J	12-58 B					1		1																															
Gage	J-12	10/4/2012		5'7	J	12-59					1		1																															
Gage	J-12	10/4/2012	1		J	12-60										1																												
Gage	J-12	10/4/2012	1		J	12-61										1																												
Greenfield	J-12	10/4/2012		8'	J	12-62					1		1																															
Greenfield	J-12	10/4/2012	1		J	12-62 A										1																												
Sharon Rd	J-12	10/4/2012		4'10	J	12-65	1						1																															
Greenfield	J-12	10/4/2012		7'2	J	12-65 A						1		1																														
Sharon Rd	J-12	10/4/2012		6'1	J	12-66	1						1																															
Sharon Rd	J-12	10/4/2012		4'7	J	12-67						1			1																													
Sharon Rd	J-12	10/4/2012		8'11	J	12-68	1						1																															
Greenfield	J-12	10/4/2012		7'1	J	12-69						1		1																														
Greenfield	J-12	10/4/2012		7'5	J	12-70						1		1																														
Greenfield	J-12	10/4/2012		8'4	J	12-70 A						1		1																														
Greenfield	J-12	10/4/2012		8'10	J	12-71	1						1																															
Sharon Oaks Ct	J-12	10/4/2012		6'	J	12-73						1		1																														
Sharon Oaks Ct	J-12	10/4/2012		7'	J	12-74	1						1																															
Sharon Oaks Ct	J-12	10/4/2012		6'1	J	12-75	1						1																															
Sharon Oaks Ct	J-12	10/4/2012		5'8	J	12-76						1		1																														
Gage	J-12	10/4/2012	1		J	12-77										1																												
Gage	J-12	10/4/2012		4'5	J	12-78						1		1																														
Sharon Oaks Ct	J-12	10/4/2012		6'9	J	12-79						1		1																														
Sharon Oaks Ct	J-12	10/4/2012		6'1	J	12-80	1						1																															
Sharon Oaks Ct	J-12	10/4/2012		5'5	J	12-81						1		1																														
Gage	J-12	10/4/2012	1		J	12-82										1																												
Hidden Valley Cv	K-10	10/29/2012		7'7	K	10-5						1		1																														
Twin Oaks Dr	K-10	10/19/2020		7'	K	10-5 A						1		1																														
Volcanic Dr	K-10	10/24/2012		5'11	K	10-7						1		1																														
River Point Ct	K-10	10/24/2012	1		K	10-8 A											1																											
Volcanic Dr	K-10	10/24/2012		6'6	K	10-9						1		1																														
Lyledale Rd	K-10	10/24/2012		4'9	K	10-10						1		1																														
Twin Oaks Dr	K-10	10/24/2012		9'8	K	10-11						1		1																														
Lyledale Rd	K-10	10/24/2012		5'10	K	10-12						1		1																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementious Lining					
Lyledale Rd	K-10	10/24/2012	1		K 10-13										1																					
Lyledale Rd	K-10	10/24/2012	1		K 10-14										1																					
Misty Dr	K-10	10/25/2012		4'10	K 10-16					1	1																									
Misty Dr	K-10	10/25/2012		6'	K 10-18					1	1																									
Misty Dr	K-10	10/24/2012		3'4	K 10-20					1	1																									
Misty Dr	K-10	10/24/2012		4'11	K 10-22		1				1																									
Misty Dr	K-10	10/25/2012		4'11	K 10-23	1					1																									
Banny Dr	K-10	10/25/2012		4'2	K 10-24					1	1																									
Banny Dr	K-10	10/25/2012		5'5	K 10-25					1	1																									
Misty Dr	K-10	10/25/2012		8'	K 10-26					1	1																									
Misty Dr	K-10	10/25/2012		5	K 10-27	1					1																									
Volcanic Dr	K-10	10/25/2012		3'2	K 10-29					1				1							1															
Volcanic Dr	K-10	10/25/2012		8'11	K 10-30	1					1																									
Volcanic Dr	K-10	10/25/2012		5	K 10-31					1	1																									
Volcanic Dr	K-10	10/25/2012		5'7	K 10-32					1				1												1										
Rock Creek Dr	K-10	10/25/2012		5'	K 10-33					1	1																									
Banny Dr	K-10	10/25/2012		5'2	K 10-34					1	1																									
Banny Dr	K-10	10/25/2012		5'8	K 10-35					1	1																									
Banny Dr	K-10	10/25/2012		5'5	K 10-35 A						1	1																								
Banny Dr	K-10	10/25/2012	1		K 10-36										1																					
Rock Creek Dr	K-10	10/25/2012		4'2	K 10-37					1	1																									
Volcanic Dr	K-10	10/26/2012		4'9	K 10-38					1	1																									
Volcanic Dr	K-10	10/26/2012		5'6	K 10-39					1	1																									
Volcanic Dr	K-10	10/25/2012		4'11	K 10-40					1	1																									
Rock Creek Dr	K-10	10/26/2012		5'6	K 10-41					1	1																									
Volcanic Dr	K-10	10/25/2012		4'10	K 10-42					1				1							1															
Misty Dr	K-10	10/29/2012		3'9	K 10-42 A					1					1																					
Misty Dr	K-10	10/29/2012		3'10	K 10-44										1																					
Misty Dr	K-10	10/29/2012		9'11	K 10-42 B					1	1																									
Chitwood	K-10	10/29/2012	1		K 10-45																1															
Chitwood	K-10	10/29/2012		6'4	K 10-46						1																									
Chitwood	K-10	10/29/2012		6'7	K 10-47					1	1																									
Misty Dr	K-10	10/29/2012		11'7	K 10-50					1	1																									
Hidden Valley Cv	K-10	10/29/2012		8'6	K 10-57					1	1																									
Misty Dr	K-10	10/26/2012		4'5	K 10-62					1	1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementitious Lining								
Misty Dr	K-10	10/29/2012		4'7"	K 10-63						1																												
Misty Dr	K-10	10/29/2012		3'9"	K 10-64					1					1							1																	
Lyledale Rd	K-10	10/26/2012	1		K 10-65										1								1																
Misty Cir	K-11	10/18/2012		5'	K 11-4		1				1																												
Misty Cir	K-11	10/24/2012		4'8"	K 11-4 A						1				1		1																						
Misty Cir	K-11	10/18/2012		5'8"	K 11-9	1																																	
Misty Cir	K-11	10/18/2012		7'5"	K 11-9 A					1						1																							
Misty Dr	K-11	10/18/2012		4'7"	K 11-10						1																												
Misty Dr	K-11	10/18/2012		4'1"	K 11-14					1																													
Misty Dr	K-11	10/18/2012	1		K 11-14 A												1																						
Lyledale Rd	K-11	10/18/2012		9'9"	K 11-20					1						1																							
Lyledale Rd	K-11	10/18/2012		7'	K 11-20 A	1																																	
Hwy 5	K-11	10/18/2012		4'6"	K 11-22					1						1																							
Jaylin	K-11	10/18/2012	1		K 11-22 A												1																						
Hwy 5	K-11	10/18/2012		10'	K 11-23					1																													
Hwy 5	K-11	10/18/2012		7'1"	K 11-23 A					1																													
Lyledale Rd	K-11	10/18/2012		7'10"	K 11-23 B		1																																
Hwy 5	K-11	10/24/2012	1		K 11-25												1																						
Charles Pl	K-11	10/24/2012	1		K 11-26																																		
Charles Pl	K-11	10/24/2012		6'9"	K 11-26 A						1																												
Charles Pl	K-11	10/19/2012		5'3"	K 11-27		1																																
Beverly Dr	K-11	10/24/2012		8'8"	K 11-29						1																												
Beverly Dr	K-11	10/24/2012	1		K 11-29 A												1																						
Beverly Dr	K-11	10/19/2012		5'2"	K 11-30											1																							
Beverly Dr	K-11	10/19/2012		5'2"	K 11-30 A						1																												
Beverly Dr	K-11	10/19/2012		10'1"	K 11-31		1																																
Jaylin Cv	K-11	10/24/2012	1		K 11-32												1																						
Beverly Dr	K-11	10/19/2012		9'3"	K 11-33																																		
Larsen Pl	K-11	10/24/2012	1		K 11-34																																		
Beverly Dr	K-11	10/19/2012		10'11"	K 11-35																																		
Larsen Pl	K-11	10/19/2012	1		K 11-36																																		
Beverly Dr	K-11	10/19/2012	1		K 11-37																																		
Larsen Pl	K-11	10/24/2012	1		K 11-38																																		
Beverly Dr	K-11	10/24/2012	1		K 11-39																																		
Beverly Dr	K-11	10/24/2012	1		K 11-40																																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining								
Larsen Pl	K-11	10/24/2011	1		K 11-41										1						1																		
Jaylin Cv	K-11	10/24/2012	1		K 11-42										1							1																	
Jaylin Cv	K-11	10/24/2012	1		K 11-42										1							1																	
Jaylin Cv	K-11	10/24/2012	1		K 11-43										1							1																	
Hwy 5	K-11	10/24/2012	1		K 11-44										1							1																	
Hwy 5	K-11	10/18/2012	1		K 11-45										1							1																	
Hwy 5	K-11	10/18/2012		7'10	K 11-46 A					1		1																											
Misty Cir	K-11	10/24/2012		3'7	K 11-48						1	1																											
Cotswald	K-11	10/18/2012		13'11	K 11-52		1																1																
Cotswald	K-11	10/18/2012		10'5	K 11-53					1		1																											
Sharon Rd	K-12	10/4/2012		12'8	K 12-4		1					1																											
Sharon Rd	K-12	10/4/2012		6'2	K 12-12		1					1																											
Sharon Rd	K-12	10/4/2012		9'4	K 12-13		1					1																											
Elaine	K-12	10/5/2012		7'10	K 12-20		1					1																											
Elaine	K-12	10/5/2012		5'11	K 12-21		1					1																											
Elaine	K-12	10/5/2012		11'6	K 12-22		1					1																											
Elaine	K-12	10/5/2012	1		K 12-23										1										1														
Sharon Rd	K-12	10/5/2012		5'1	K 12-24					1		1																											
Sharon Rd	K-12	10/5/2012		10'4	K 12-25					1		1																											
Sharon Rd	K-12	10/5/2012		16'8	K 12-26					1		1																											
Sharon Rd	K-12	10/5/2012	1	6'	K 12-27					1					1										1														
Sharon Rd	K-12	10/5/2012	1		K 12-28										1										1														
Mountain Cv	K-12	10/8/2012		8'6	K 12-29						1	1																											
Mountain Cv	K-12	10/8/2012		14'9	K 12-30						1	1																											
Mountain Cv	K-12	10/8/2012	1		K 12-31						1														1														
Elaine	K-12	10/5/2012		14'	K 12-32					1		1																											
Mountain Cv	K-12	10/5/2012		7'11	K 12-33						1																									1			
Mountain Cv	K-12	10/4/2012		7'10	K 12-33 A					1		1																											
Mountain Cv	K-12	10/5/2012		9'11	K 12-33 B					1		1																											
Wright Ave	K-12	9/20/2012		9'1	K 12-34		1					1																											
Misty	L-10	10/30/2012		6'1	L 10-1					1		1																											
Misty	L-10	10/30/2012		6'1	L 10-1 A					1		1																											
April Sound	L-10	10/30/2012		5'4	L 10-2					1		1																											
April Sound	L-10	10/30/2012		6'2	L 10-3					1		1																											
April Sound	L-10	10/30/2012		5'6	L 10-5		1					1																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining				
April Sound	L-10	10/30/2012		4'7"	L 10-6		1				1																								
April Sound	L-10	10/30/2012		5'1"	L 10-7					1		1																							
Scandi	L-10	10/30/2012		4'9"	L 10-8	1						1																							
Rock Creek Dr	L-10	10/30/2012		4'9"	L 10-10					1		1																							
Rock Creek Dr	L-10	10/29/2012		4'5"	L 10-11					1		1																							
Scandi	L-10	10/30/2012		4'	L 10-11 A					1		1																							
Scandi	L-10	10/30/2012		3'9"	L 10-11 B					1			1				1																		
Hidden Valley	L-10	10/30/2012		5'6"	L 10-14					1		1																							
Rock Creek Dr	L-10	10/29/2012		3'3"	L 10-16					1		1																							
Rock Creek Dr	L-10	10/29/2012		7'2"	L 10-17					1		1																							
Rock Creek Dr	L-10	10/30/2012		3'5"	L 10-18					1		1																							
Rock Creek Dr	L-10	10/30/2012	1		L 10-19													1																	
Rock Creek Dr	L-10	10/30/2012		5'7"	L 10-20						1	1																							
Rock Creek Dr	L-10	10/30/2012	1		L 10-23					1								1																	
Rock Creek Dr	L-10	10/30/2012		7'7"	L 10-24					1			1						1	1															
Hidden Valley	L-10	10/30/2012		7'10"	L 10-25						1	1																							
Hidden Valley	L-10	10/30/2012		4'6"	L 10-25 A						1		1																						
	L-10	10/29/2012		9'5"	L 10-28					1		1																							
Banny Dr	L-10	10/29/2012	1		L 10-28 A																														
Banny Dr	L-10	10/29/2012	1		L 10-28 B						1																								
Thomas Pasture	L-10	10/29/2012		9'8"	L 10-29					1		1																							
Thomas Pasture	L-10	10/29/2012		9'11"	L 10-30					1		1																							
Thomas Pasture	L-10	10/29/2012		9'11"	L 10-31					1		1																							
Thomas Pasture	L-10	10/29/2012		9'7"	L 10-32					1		1																							
Thomas Pasture	L-10	10/29/2012		10'	L 10-37 A							1																							
Thomas Pasture	L-10	10/29/2012		9'5"	L 10-38					1		1																							
Thomas Pasture	L-10	10/29/2012		3'9"	L 10-39					1		1																							
Thomas Pasture	L-10	10/29/2012	1		L 10-54																														
Rock Creek Dr	L-10	10/30/2012	1		L 10-55																														
Rock Creek Dr	L-10	10/30/2012	1		L 10-56																														
Rock Creek Dr	L-10	10/30/2012		3'4"	L 10-57						1	1																							
Rock Creek Dr	L-10	10/30/2012		6'3"	L 10-58					1		1																							
Rock Creek Dr	L-10	10/30/2012	1		L 10-59																														
Rock Creek Dr	L-10	10/30/2012		6'4"	L 10-60					1		1																							
Rock Creek Dr	L-10	10/30/2012		8'1"	L 10-62					1		1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementitious Lining			
April Sound	L-10	10/30/2012	1		L 10-64																													
Rock Creek Dr	L-10	10/30/2012		8'5"	L 10-65						1	1																						
Rock Creek Dr	L-10	10/30/2012		4'6"	L 10-66						1	1																						
	L-10	10/29/2012		11'7"	L 10-67						1	1																						
Thomas Pasture	L-10	10/29/2012		11'10"	L 10-68						1	1																						
Thomas Pasture	L-10	10/29/2012		10'	L 10-69						1	1																						
Thomas Pasture	L-10	10/29/2012		9'6"	L 10-70						1	1																						
Thomas Pasture	L-10	10/29/2012		9'7"	L 10-71						1	1																						
April Sound	L-10	10/30/2012		6'5"	L 10-72						1	1																						
April Sound	L-10	10/30/2012		8'4"	L 10-73						1	1																						
Miller Cv	L-11	10/25/2012		5'8"	L 11-2						1	1																						
Miller Cv	L-11	10/25/2012		11'10"	L 11-3						1	1																						
Miller Cv	L-11	10/25/2012		7'6"	L 11-4						1	1																						
Miller Cv	L-11	10/25/2012	1		L 11-5																													
Miller Cv	L-11	10/25/2012	1		L 11-6																													
Miller Cv	L-11	10/25/2012		5'8"	L 11-8							1	1																					
Miller Cv	L-11	10/25/2012		8'6"	L 11-8 A						1				1					1	1													
Miller Cv	L-11	10/25/2012	1		L 11-9																													
Miller Cv	L-11	10/25/2012	1		L 11-10																													
Miller Cv	L-11	10/25/2012		14'5"	L 11-11		1																											
Miller Cv	L-11	10/25/2012	1		L 11-13																													
Miller Cv	L-11	10/25/2012		5'3"	L 11-14						1	1																						
Miller Cv	L-11	10/25/2012	1		L 11-15																													
Miller Cv	L-11	10/25/2012	1		L 11-16																													
Miller Cv	L-11	10/25/2012		5'6"	L 11-17						1	1																						
Miller Cv	L-11	10/25/2012		5'7"	L 11-18						1	1																						
Miller Cv	L-11	10/25/2012		6'3"	L 11-19						1	1																						
Miller Cv	L-11	10/25/2012		4'10"	L 11-20						1	1																						
Miller Cv	L-11	10/25/2012		5'11"	L 11-21						1	1																						
Miller Cv	L-11	10/25/2012	1		L 11-22																													
Miller Cv	L-11	10/25/2012		3'7"	L 11-23																													
Greenhill	L-11	10/25/2012		6'3"	L 11-24		1																											
Greenhill	L-11	10/25/2012		5'10"	L 11-25		1																											
Greenhill	L-11	10/24/2012		5'	L 11-26		1																											
Greenhill	L-11	10/25/2012		10'	L 11-27		1																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementious Lining						
Greenhill	L-11	10/25/2012		5'8	L	11-28		1						1																							
Sherris	L-11	10/25/2012	1		L	11-29										1					1																
Sherris	L-11	10/25/2012		2'10	L	11-29 A					1			1																							
Sherris	L-11	10/25/2012		4'8	L	11-30		1						1																							
Sherris	L-11	10/25/2012		6'9	L	11-31		1						1																							
Sherris	L-11	10/25/2012		9'1	L	11-32					1			1																							
Sherris	L-11	10/25/2012		6'1	L	11-32 A		1						1																							
Sherris	L-11	10/25/2012		8'4	L	11-33					1			1																							
Dogwood	L-11	10/25/2012		5'11	L	11-34					1			1																							
Dogwood	L-11	10/25/2012		6'10	L	11-35					1			1																							
Greenhill	L-11	10/25/2012	1		L	11-37										1								1													
Greenhill	L-11	10/25/2012		6'8	L	11-38					1			1																							
Thomas Pasture	M-9	10/29/2012		24"	M	9-1					1			1																							
Thomas Pasture	M-9	10/29/2012		24"	M	9-2					1			1																							
Thomas Pasture	M-9	10/29/2012		10'	M	9-3					1			1																							
Thomas Pasture	M-9	10/29/2012		9'11	M	9-4					1			1																							
Thomas Pasture	M-9	10/29/2012		9'8	M	9-5					1			1																							
Thomas Pasture	M-10	11/1/2012		10'2	M	10-1					1			1																							
Thomas Pasture	M-10	11/1/2012		10'1	M	10-1 A					1			1																							
Thomas Pasture	M-10	11/1/2012		9'7	M	10-1 B					1			1																							
Downing	M-10	11/1/2012	1		M	10-2										1									1												
Downing	M-10	11/1/2012		8'3	M	10-3					1			1																							
Downing	M-10	11/1/2012	1		M	10-4					1					1									1												
Nottingham	M-10	10/30/2012		8'2	M	10-7					1			1																							
Downing	M-10	11/1/2012		3'6	M	10-8							1	1																							
Downing	M-10	11/1/2012	1		M	10-8 A																				1											
Cambridge Cir	M-10	10/31/2012	1		M	10-9										1									1												
Cambridge Cir	M-10	10/31/2012		5'3	M	10-10					1			1																							
Cambridge Cir	M-10	10/31/2012	1		M	10-11										1									1												
Cambridge Cir	M-10	10/31/2012		10'1	M	10-12					1			1																							
Cambridge Cir	M-10	10/31/2012	1		M	10-13										1									1												
Cambridge Cir	M-10	10/31/2012		5'5	M	10-14					1			1																							
Cambridge Ct	M-10	10/31/2012		5'7	M	10-15					1			1																							
Cambridge Ct	M-10	10/31/2012		7'8	M	10-16					1			1																							
Cambridge Ct	M-10	10/31/2012	1		M	10-17										1									1												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementious Lining				
Cambridge Cir	M-10	10/31/2012		8'2	M	10-18					1		1																						
Cambridge	M-10	10/31/2012		5'2	M	10-19					1		1																						
Downing	M-10	11/1/2012	1		M	10-20					1				1																				
Cambridge Cir	M-10	10/31/2012		7'1	M	10-21						1	1																						
Cambridge	M-10	11/1/2012	1		M	10-21 A						1																							
Cambridge	M-10	10/31/2012		6'	M	10-23						1	1																						
Cambridge	M-10	10/31/2012		5'6	M	10-23 A						1	1																						
Cambridge	M-10	10/31/2012		6'3	M	10-24						1	1																						
Charlsea	M-10	10/31/2012		7'2	M	10-25						1	1																						
Charlsea	M-10	10/31/2012		5'11	M	10-26						1	1																						
Charlsea	M-10	10/31/2012		5'5	M	10-37						1	1																						
English Oaks Dr	M-10	10/30/2012	1		M	10-38									1																				
Charlsea	M-10	10/31/2012		5'4	M	10-39						1				1																			
English Oaks Dr	M-10	10/30/2012		7'6	M	10-40						1	1																						
Charlsea	M-10	10/31/2012	1		M	10-41										1																			
Windsor Cv	M-10	10/31/2012		4'9	M	10-42	1						1																						
Windsor Cv	M-10	10/31/2012		4'11	M	10-43						1	1																						
English Oaks Dr	M-10	10/31/2012		4'9	M	10-44						1				1																			
English Oaks Dr	M-10	10/31/2012	1		M	10-45						1																							
English Oaks Dr	M-10	10/31/2012	1		M	10-45 A										1																			
English Oaks Dr	M-10	10/31/2012	1		M	10-45 B										1																			
English Oaks Dr	M-10	10/31/2012		7'7	M	10-45 C						1	1																						
English Oaks Dr	M-10	10/30/2012		9'	M	10-46						1	1																						
English Oaks Dr	M-10	10/30/2012	1		M	10-47										1																			
English Oaks Dr	M-10	10/30/2012		7'8	M	10-48						1	1																						
Buckingham Cv	M-10	10/31/2012		6'4	M	10-49						1	1																						
J W Cove	M-10	10/30/2012		8'4	M	10-50						1	1																						
J W Cove	M-10	10/30/2012		8'7	M	10-51						1	1																						
Heights	M-10	10/30/2012		5'4	M	10-52							1																						
McCurdy	M-10	10/30/2012	1		M	10-53										1																			
McCurdy	M-10	10/30/2012		8'8	M	10-54						1	1																						
English Oaks Dr	M-10	10/31/2012	1		M	10-56						1				1																			
Buckingham Cv	M-10	10/31/2012		5'4	M	10-57						1	1																						
Buckingham Cv	M-10	10/31/2012		5'4	M	10-58						1	1																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining							
Heights	M-10	10/30/2012	1		M	10-92																																
Heights	M-10	10/30/2012		6'11"	M	10-93				1	1																											
Heights	M-10	10/30/2012		6'11"	M	10-94				1	1																											
Heights	M-10	10/30/2012		5'3"	M	10-95				1	1																											
Heights	M-10	10/30/2012		7'8"	M	10-96				1	1																											
Thomas Pasture	N-9	10/29/2012		24"	N	9-23				1	1																											
Totals			116				12	96	9	0	221	57	351	0	14	14	###	0	10	4	6	112	6	7		0	0	0	0	0	0	0	0	0	0	0	0	

Total No. Manholes 495

Basin 3 Manhole Inspection Repairs 070213

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed											
								Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining								
Glenda Lane	H-14	8/28/2012		pvc	6'11"	H	14-1	1																																	
Congo Rd	H-14	6/6/2013		pvc	6'5"	H	14-18				1																														
Congo Rd	H-14	8/28/2012		pvc	6'3"	H	14-19				1																														
Troy	I-13	9/6/2012		pvc	5'7"	I	13-1																																		
Troy	I-13	9/6/2012		pvc	10'11"	I	13-2																																		
Troy	I-13	9/6/2012		pvc	15'11"	I	13-3																																		
Troy	I-13	9/6/2012		pvc	6'3"	I	13-4																																		
Troy	I-13	9/6/2012		pvc	6'10"	I	13-5																																		
Troy	I-13	6/6/2013		pvc	7'4"	I	13-6																																		
Copper Creek	I-13	9/10/2012		pvc	6'10"	I	13-7																																		
Copper Creek	I-13	6/6/2013		pvc	6'4"	I	13-8																																		
Troy	I-13	9/6/2012		pvc	4'1"	I	13-9																																		
Troy	I-13	9/6/2012		pvc	6'3"	I	13-10																																		
Troy	I-13	9/6/2012		pvc	3'7"	I	13-11																																		
Copper Creek	I-13	9/10/2012		pvc	7'3"	I	13-12																																		
Copper Creek	I-13	9/10/2012		pvc	6'10"	I	13-12 A																																		
Copper Creek	I-13	9/10/2012	1			I	13-12 B																																		
Summerwood Apt	I-13	9/10/2012		pvc	5'9"	I	13-14																																		
Summerwood Apt	I-13	9/10/2012		pvc	8'3"	I	13-14 A																																		
Summerwood Apt	I-13	9/10/2012		pvc	3'3"	I	13-14 B																																		
Summerwood Apt	I-13	9/10/2012		pvc	3'11"	I	13-14 C																																		
Orleans Ct	I-13	9/10/2012		pvc	4'12"	I	13-16																																		
Orleans Ct	I-13	9/10/2012		pvc	4'7"	I	13-21																																		
Copper Creek	I-13	9/10/2012		pvc	6'1"	I	13-22																																		
Congo Rd	I-13	9/10/2012		pvc	8'9"	I	13-24																																		
Congo Rd	I-13	9/10/2012	1			I	13-24 A																																		
Congo Rd	I-13	9/10/2012	1			I	13-25																																		
Troy	I-13	8/28/2012		pvc	4'9"	I	13-26																																		
Troy	I-13	4/11/2013		pvc	6'	I	13-27																																		
Troy	I-13	4/11/2013		pvc	7'	I	13-28																																		
Troy	I-13	8/28/2012		pvc	5'3"	I	13-29																																		
Troy	I-13	8/28/2012	1			I	13-30																																		
Leawood	I-13	8/28/2012	1			I	13-31																																		
Leawood	I-13	8/28/2012		pvc	5'6"	I	13-32																																		
Leawood	I-13	8/28/2012		pvc	6'6"	I	13-33																																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed						
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementitious Lining				
Leawood	I-13	8/28/2012	1			I 13-34																														
Pinecroft DR	I-13	3/2/2012	1			I 13-35																														
Pinecroft DR	I-13	3/2/2012		pvc	8'7"	I 13-36	1																													
Pinecroft DR	I-13	3/2/2012		pvc	4'5"	I 13-37							1																							
Pinecroft DR	I-13	3/2/2012		pvc	4'7"	I 13-38							1																							
Leawood	I-13	8/28/2012		pvc	10'8"	I 13-39	1						1																							
Leawood	I-13	8/28/2012		pvc	17'4"	I 13-39 A	1						1																							
Stockton	I-14	8/28/2012		Clay	5'1	I 14-1							1																							
Stockton	I-14	8/28/2012		Clay	5'2"	I 14-1 A							1																							
Stockton	I-14	8/28/2012		Clay	10'8"	I 14-2							1																							
Stockton	I-14	8/28/2012		Clay	6'3"	I 14-2 A							1																							
Troy	I-14	3/2/2012		pvc	6'5"	I 14-3							1																							
Troy cir	I-14	3/2/2012		pvc	6'3"	I 14-4	1																													
Troy cir	I-14	3/2/2012	1			I 14-5																														
Troy cir	I-14	3/2/2012		pvc	5'2"	I 14-6							1																							
Troy cir	I-14	3/2/2012		pvc	5'4"	I 14-7	1																													
Troy cir	I-14	3/2/2012		pvc	9'	I 14-8	1																													
Pinecroft Dr	I-14	3/2/2012		pvc	6'5"	I 14-13	1																													
Pinecroft Dr	I-14	3/2/2012	1			I 14-14																														
Congo	I-14	6/6/2013		pvc	5'	I 14-27 A																														
Shenandoah	J-12	9/18/2012		clay	8'11	J 12-17	1																													
Frendall	J-12	9/11/2012		pvc	17'9	J 12-18	1																													
Frendall	J-12	9/11/2012	1			J 12-19	1																													
Whittenburg cv	J-12	9/11/2012		pvc	9'6"	J 12-20	1																													
Frendall	J-12	9/11/2012		pvc	9'9"	J 12-21	1																													
Whittenburg cv	J-12	9/11/2012		pvc	10'1"	J 12-22							1																							
Whittenburg cv	J-12	9/11/2012		pvc	6'6"	J 12-23							1																							
Frendall	J-12	9/11/2012		pvc	5'5"	J 12-25	1																													
Frendall	J-12	9/11/2012	1			J 12-26																														
Earle Dr	J-12	9/11/2012		pvc	6'10"	J 12-27							1																							
Keese cv	J-12	9/11/2012		pvc	6'4"	J 12-29							1																							
Keese cv	J-12	9/11/2012		pvc	8'3"	J 12-38							1																							
Whittenburg cv	J-12	9/11/2012		pvc	10'3"	J 12-39	1																													
Shenandoah	J-13	6/17/2013		clay	5'10"	J 13-1																														
Shenandoah	J-13	6/17/2013		clay	8'5"	J 13-1 A																														
Shenandoah	J-13	9/11/2012		conc	9'10"	J 13-2																														

Basin 3 Manhole Inspection Repairs 070213

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed		
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementious Lining	
Bridgewater	J-13	9/11/2012		pvc	4'4"	J	13-3					1				1																
Congo	J-13	6/17/2013		clay	5'7"	J	13-4		1							1																
Shenandoah	J-13	6/17/2013		clay	4'10"	J	13-5		1							1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-7									1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-7 A									1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-9									1																
Ranchwood Dr	J-13	9/11/2012		clay	4'10"	J	13-10		1							1																
Ranchwood Dr	J-13	9/11/2012		pvc	9'3"	J	13-11		1							1																
Ranchwood Dr	J-13	9/11/2012		pvc	6'	J	13-12		1							1																
Congo	J-13	9/11/2012		pvc	6'10"	J	13-12 A						1			1																
Ranchwood Dr	J-13	9/11/2012		clay	5'3"	J	13-13		1							1																
Ranchwood Dr	J-13	9/11/2012		clay	6'4"	J	13-14		1							1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-15		1							1																
Ranchwood Dr	J-13	9/11/2012		clay	6'	J	13-16		1							1																
Ranchwood Dr	J-13	9/11/2012		pvc	4'5"	J	13-17								1																	
Thomas	J-13	9/10/2012		pvc	8'8"	J	13-18		1							1																
Congo	J-13	9/10/2012		pvc	11'5"	J	13-19						1			1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-23									1																
Ranchwood Dr	J-13	9/11/2012	1			J	13-24									1																
Summerwood Cv	J-13	6/7/2013		clay	7'7"	J	13-25									1																
Summerwood Cv	J-13	6/7/2013		clay	7'3"	J	13-26									1																
Summerwood Cv	J-13	9/10/2012		pvc	11'	J	13-27									1																
Summerwood Cv	J-13	9/10/2012		pvc	9'9"	J	13-28									1																
Summerwood Dr	J-13	9/10/2012	1			J	13-29																									
Summerwood Dr	J-13	9/10/2012	1			J	13-31									1																
Summerwood Cv	J-13	9/10/2012	1			J	13-32									1																
Summerwood cv	J-13	9/10/2012	1			J	13-34									1																
Congo	J-13	9/11/2012	1			J	13-35									1																
Summerwood cv	J-13	9/10/2012		clay	8'3"	J	13-36		1							1																
Summerwood Dr	J-13	9/10/2012		pvc	4'10"	J	13-37									1																
Deerfield	J-13	9/10/2012		clay	6'11"	J	13-38		1							1																
Deerfield	J-13	9/10/2012		pvc	3'1"	J	13-38 A									1																
Congo	J-13	9/10/2012	1			J	13-39									1																
Congo	J-13	9/10/2012		clay	10'	J	13-40									1																
Summerwood	J-13	9/10/2012		clay	9'	J	13-41									1																
Summerwood dr	J-13	9/10/2012		pvc	3'8"	J	13-43									1																

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed					
								Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining	
Summerwood ap	J-13	9/10/2012		pvc	6'4"	J	13-44					1							1															
Summerwood dr	J-13	9/10/2012		pvc	2'4"	J	13-46					1																						
Summerwood ap	J-13	9/10/2012	1			J	13-49					1																						
Summerwood cv	J-13	9/10/2012	1			J	13-50					1																						
Summerwood dr	J-13	9/10/2012	1			J	13-50 A																											
Summerwood cv	J-13	9/11/2012	1			J	13-51					1																						
Congo	J-13	9/10/2012	1			J	13-52					1																						
Deerfield	J-13	9/10/2012		clay	9'9"	J	13-53		1																									
Deerfield	J-13	9/10/2012		pvc	5'7"	J	13-53 A					1																						
Troy dr	J-13	9/11/2012		pvc	6'11"	J	13-54		1																									
Foxridge	J-13	9/11/2012		pvc	5'	J	13-55					1																						
Foxridge	J-13	9/11/2012		pvc	5'5"	J	13-56					1																						
Foxridge	J-13	9/11/2012		pvc	6'4"	J	13-57					1																						
Foxridge	J-13	9/11/2012		pvc	6'6"	J	13-58		1																									
Foxridge	J-13	9/11/2012		pvc	5'10"	J	13-59					1																						
Foxridge	J-13	9/11/2012		pvc	6'6"	J	13-60					1			1					1	1													
Bastogne way	J-13	9/11/2012	1			J	13-61					1																						
Bastogne way	J-13	9/11/2012		pvc	13'10"	J	13-62					1																						
Bastogne way	J-13	6/11/2013		pvc	11'	J	13-62 A		1																									
St. Ives	J-13	9/11/2012		pvc	7'1"	J	13-63					1																						
Bastogne way	J-13	9/11/2012		pvc	9'9"	J	13-64					1																						
Bastogne way	J-13	6/11/2013		pvc	8'1"	J	13-64 A					1																						
Bastogne way	J-13	9/11/2012		pvc	5'9"	J	13-65					1																						
Deerfield	J-14	9/10/2012		clay	10'8"	J	14-1		1																									
Fawn	J-14	9/10/2012		pvc	5'7"	J	14-1 A					1																						
Deerfield	J-14	9/10/2012		pvc	6'	J	14-2		1																									
Catherine	K-12	9/20/2012		pvc	7'	K	12-1					1																						
Catherine	K-12	9/20/2012		pvc	6'11"	K	12-2					1																						
Catherine	K-12	9/20/2012		pvc	5'4"	K	12-3					1																						
Wright Ave	K-12	9/18/2012		clay	12'3"	K	12-6					1																						
Wright Ave	K-12	9/18/2012		clay	10'5"	K	12-7					1																						
Wright Ave	K-12	6/10/2013		clay	6'9"	K	12-7 A		1																									
Wright Ave	K-12	9/18/2012	1			K	12-8					1																						
Wright Ave	K-12	9/18/2012		clay	9'	K	12-9					1																						
Wright Ave	K-12	9/18/2012		clay	5'6"	K	12-9 A					1																						
Hickory Ridge	K-12	9/24/2012		pvc	5'1"	K	12-10					1																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed		
								Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining	
Bridgewater	K-13	7/28/2011		pvc	8'3"	K	13-8						1						1														
Congo rd	K-13	7/28/2011	1			K	13-10															1											
Congo rd	K-13	7/28/2011	1			K	13-10A															1											
Congo rd	K-13	7/28/2011		clay	7'11"	K	13-11	1							1							1	1										
Congo rd	K-13	7/28/2011		clay	5'2"	K	13-12	1							1								1										
Congo rd	K-13	7/28/2011		clay	5'8"	K	13-13	1						1																			
Congo rd	K-13	6/17/2013		pvc	5'10"	K	13-14						1									1											
Congo rd	K-13	7/28/2011		clay	6'1"	K	13-15	1							1								1										
Congo rd	K-13	6/17/2013		pvc	5'6"	K	13-16							1																			
Congo rd	K-13	7/28/2011		clay	5'11"	K	13-18	1															1										
Congo rd	K-13	7/28/2011		clay	6'	K	13-19	1							1								1	1									
North Place	K-13	6/13/2013		pvc	13'6"	K	13-20							1																			
North Place	K-13	6/13/2013		clay	6'	K	13-21								1																		
North Place	K-13	7/28/2011	1			K	13-22																1										
North Place	K-13	7/28/2011		clay	8'	K	13-23	1																1	1								
Fleming Dr	K-13	6/17/2013		clay	2'6"	K	13-24	1						1																			
Bridgewater	K-13	7/28/2011	1			K	13-25																1										
Hurrican Lake Trunk Line	K-13	7/28/2011	1			K	13-26																1										
Hurrican Lake Trunk Line	K-13	7/28/2011	1			K	13-27																1										
Hurrican Lake Trunk Line	K-13	7/28/2011	1			K	13-28																1										
Hurrican Lake Trunk Line	K-13	7/28/2011	1			K	13-29																1										
Kelly	K-13	7/28/2011		clay	16'0"	K	13-31							1																			
Kelly	K-13	6/17/2013		clay	15'7"	K	13-31A							1	1																		
Odessa Dr	K-13	7/29/2011		clay	9'1"	K	13-33								1									1									
Kelly Dr	K-13	6/17/2013		clay	11'6"	K	13-34							1																			
Fleming Dr	K-13	7/29/2011		clay	5'11"	K	13-35	1							1									1	1								
Miller Loop	L-10	10/25/2012	1			L	10-33																1										
Miller Cove	L-10	10/25/2012	1			L	10-33A																	1									
Miller Cove	L-10	10/25/2012	1			L	10-33B																	1									
Miller Cove	L-10	10/25/2012	1			L	10-36																										
Miller Cove	L-10	10/25/2011		pvc	4'6"	L	10-36A							1	1																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed								
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementious Lining				
Thomas Pasture Row	L-10	10/25/2012		pvc	9'5"	L 10-37					1		1																							
Miller Loop	L-10	10/25/2012		pvc	5'2"	L 10-40							1	1																						
Miller Cove	L-10	10/25/2012		pvc	7'2"	L 10-41							1	1																						
Miller Cove	L-10	10/25/2012		pvc	5'9"	L 10-42							1	1																						
Miller Cove	L-10	10/25/2012		pvc	3'10"	L 10-43							1	1																						
Miller Cove	L-10	10/25/2012		pvc	7'5"	L 10-44							1	1																						
Miller Cove	L-10	10/25/2012	1			L 10-45							1																							
Miller Cove	L-10	10/25/2012	1			L 10-46							1																							
Miller Cove	L-10	10/25/2012	1			L 10-47							1																							
Miller Cove	L-10	10/25/2012	1			L 10-48							1																							
Miller Cove	L-10	10/25/2012		pvc	5'3"	L 10-49							1	1																						
Miller Cove	L-10	10/25/2012	1			L 10-50							1																							
Miller Cove	L-10	10/25/2012		pvc	5'10"	L 10-51							1																							
Greenhill	L-10	10/25/2012		conc	6'10"	L 10-52							1																							
McCurdy	L-10	10/25/2012		conc	9'9"	L 10-53							1																							
Sherris	L-10	10/25/2012		conc	6'4"	L 10-53A							1																							
Hwy 5	L-10	9/18/2012		clay	4'8"	L 11-39							1																							
Dogwood Dr	L-10	9/18/2012		pvc	3'8"	L 11-40							1	1																						
Dogwood Dr	L-10	9/18/2012		clay	6'1"	L 11-42							1	1																						
Dogwood Dr	L-10	9/18/2012		conc	3'8"	L 11-44							1																							
Dogwood Dr	L-10	9/18/2012		clay	6'8"	L 11-45							1	1																						
Dogwood Dr	L-10	9/17/2012		clay	6'7"	L 11-46							1																							
Dogwood Dr	L-10	9/17/2012		pvc	2'11"	L 11-46A							1	1																						
Dogwood Dr	L-10	9/17/2012		clay		L 11-47							1																							
Dogwood Dr	L-10	9/17/2012		clay	6'10"	L 11-49							1	1																						
Dogwood Dr	L-10	9/18/2012		clay	4'5"	L 11-50							1																							
Dogwood Dr	L-10	6/17/2013		clay	5'1"	L 11-52							1	1																						
Daffodil	L-10	6/17/2013		clay	5'4"	L 11-53							1	1																						
Azalea Cr.	L-10	9/17/2012		clay	6'11"	L 11-54							1	1																						
Azalea Cr.	L-10	9/17/2012		clay	6'8"	L 11-55							1	1																						
Daffodil	L-10	6/17/2013		clay	4'1"	L 11-56							1	1																						
Azalea Cr.	L-10	9/18/2012		clay	5'10"	L 11-57							1	1																						
Azalea Cr.	L-10	9/18/2012		pvc	3'7"	L 11-58							1																							
Azalea Cr.	L-10	9/18/2012		pvc	5'9"	L 11-59							1	1																						
Azalea Cr.	L-10	9/17/2012		pvc	3'4"	L 11-60							1	1																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed						
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining		
Azalea Cr.	L-10	9/17/2012	1			L 11-60A													1															
Beverly	L-10	10/25/2012		pvc	10'2"	L 11-61						1																						
Beverly	L-10	10/25/2012	1			L 11-63							1																					
Hwy 5	L-10	10/25/2012		pvc	10'0"	L 11-65							1																					
Dogwood Dr	L-10	9/18/2012		clay	5'9"	L 11-65A									1																			
Azalea Cr.	L-10	9/18/2012		pvc	4'11"	L 11-65A							1																					
Azalea Cr.	L-12	9/11/2012		pvc	3'5"	L 12-1								1			1																	
Sharron Rd	L-12	9/18/2012	1			L 12-2																												
Sharron Rd	L-12	9/18/2012		pvc	8'9"	L 12-4																												
Nalley	L-12	9/18/2012		pvc	5'3"	L 12-5																												
Dogwood Dr	L-12	9/17/2012		pvc	4'2"	L 12-6																												
Dogwood Dr	L-12	9/17/2012		pvc	6'5"	L 12-7																												
Sharron Rd	L-12	9/18/2012		pvc	6'1"	L 12-8																												
Sharron Rd	L-12	9/18/2012		pvc	6'6"	L 12-10																												
Wright Ave	L-12	9/18/2012		pvc	6'6"	L 12-13																												
Shenandoah	L-12	9/18/2012		pvc	4'8"	L 12-15A																												
Wright Ave	L-12	9/18/2012		clay	6'0"	L 12-16																												
Shenandoah	L-12	9/18/2012		clay	5'7"	L 12-16A																												
Wright Ave	L-12	9/18/2012		clay	7'4"	L 12-17																												
Hickory Ridge	L-12	9/20/2012	1			L 12-18																												
Nalley	L-12	9/20/2012		clay	9'9"	L 12-19																												
Nalley	L-12	9/20/2012		clay	6'0"	L 12-20																												
Nalley	L-12	9/18/2012		pvc	10'9"	L 12-21																												
Catherine	L-12	9/18/2012		pvc	5'0"	L 12-22																												
Catherine	L-12	9/18/2012		pvc	7'11"	L 12-23																												
Freeman	L-12	9/18/2012		pvc	8'2"	L 23-24																												
Freeman	L-12	9/18/2012		pvc	5'5"	L 12-25																												
Wright Ave	L-12	9/18/2012		clay	6'1"	L 12-26																												
Hickory Ridge	L-12	9/24/2012		pvc	3'11"	L 12-27																												
Wright Ave	L-12	9/24/2012		pvc	7'5"	L 12-27A																												
Wright Ave	L-12	9/24/2012	1			L 12-27B(NF)																												
Wright Ave	L-12	9/24/2012		pvc	7'7"	L 12-27C																												
Wright Ave	L-12	9/24/2012	1			L 12-28																												
Hickory Ridge	L-12	9/24/2012	1			L 12-29																												
Hickory Ridge	L-12	9/24/2012	1			L 12-30																												
Hickory Ridge	L-12	9/24/2012	1			L 12-31																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement																
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining	Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed	
Hickory Ridge	L-12	9/24/2012	1			L 12-32					1							1															
Hickory Ridge	L-12	9/20/2012	1			L 12-33												1															
Hickory Ridge	L-12	9/20/2012		pvc	8'5"	L 12-34					1	1																					
Hickory Ridge	L-12	9/20/2012		pvc	5'7"	L 12-35			1			1																					
Hickory Ridge	L-12	10/3/2012		pvc	6'1"	L 12-36	1					1																					
Sharon Ball Park	L-12	10/3/2012		clay	6'0"	L 12-37					1				1			1															
Sharon Ball Park	L-12	10/3/2012		clay	6'9"	L 12-38					1				1	1					1												
I-30 West	L-12	10/3/2012		pvc	6'4"	L 12-39					1				1																		
I-30 West	L-12	10/3/2012		clay		L 12-39A	1								1				1														
I-30 West	L-12	10/3/2012	1			L 12-40					1							1															
I-30 East	L-12	10/4/2012	1			L 12-42					1							1															
I-30 East	L-12	10/3/2012		pvc	12'5"	L 12-42A					1				1			1	1					1									
I-30 East	L-12	10/3/2012	1			L 12-43					1							1						1									
I-30 East	L-12	10/3/2012		pvc	7'11"	L 12-44					1				1			1	1					1									
I-30 East	L-12	10/3/2012		pvc	9'9"	L 12-45					1				1			1	1														
I-30 East	L-12	10/3/2012		pvc	11'5"	L 12-46	1					1																					
Wal-Mart	L-12	10/3/2012	1			L 12-47												1						1									
Wal-Mart	L-12	10/3/2012	1			L 12-47A												1						1									
Sharron Rd	L-12	9/18/2012		pvc	8'9"	L 12-48																											
Sharron Rd	L-12	9/18/2012		pvc	10'7"	L 12-49																											
Sharron Rd	L-12	9/18/2012		pvc	2'11"	L 12-50																											
Hickory Ridge	L-12	9/18/2012		pvc	3'3"	L 12-51																											
Hickory Ridge	L-12	9/18/2012		pvc	5'8"	L 12-52																											
Hickory Ridge	L-12	9/18/2012		pvc	11'1"	L 12-53						1																					
Hickory Ridge	L-12	9/18/2012		pvc	10'9"	L 12-54																											
Hickory Ridge	L-12	9/18/2012		pvc	11'1"	L 12-55																											
Hickory Square	L-12	9/18/2012		pvc	6'11"	L 12-56																											
Hickory Square	L-12	9/18/2012		pvc	12'5"	L 12-57																											
Nalley	L-12	9/18/2012		pvc	13'7"	L 12-58																											
Nalley	L-12	9/18/2012		pvc	13'11"	L 12-59																											
Nalley	L-12	9/18/2012		pvc	5'9"	L 12-60																											
Wal-Mart	L-12	9/18/2012	1			L 12-61																			1								
Wal-Mart	L-12	10/4/2012		pvc	19'6"	L 12-62																											
Wal-Mart	L-12	10/4/2012	1			L 12-62a(NF)																			1								
Kroger	L-12	10/4/2012		pvc	7'4"	L 12-63																											
Wal-Mart	L-12	10/4/2012	1			L 12-63A						1													1								

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed						
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining			
Kroger	L-12	10/4/2012		pvc	8'2"	L	12-64		1					1																					
Kroger	L-12	10/4/2012	1			L	12-64A						1									1													
Kroger	L-12	10/4/2012		pvc	6'0"	L	12-65		1					1																					
Kroger	L-12	10/4/2012		pvc	6'1"	L	12-66		1					1																					
Kroger	L-12	10/4/2012		pvc	6'0"	L	12-67		1						1		1																		
Backyard Burger	L-13	10/4/2012		pvc	5'8"	L	13-1		1					1																					
I-30 East	L-13	10/3/2012		pvc	5'7"	L	13-60				1			1																					
Landers	L-13	10/3/2012		clay	5'6"	L	13-61		1					1																					
Landers	L-13	10/3/2012		clay	7'10"	L	13-62				1			1																					
Landers	L-13	10/3/2012		pvc	15'8"	L	13-63	1						1																					
Landers	L-13	10/3/2012		clay	7'3"	L	13-65				1			1																					
Landers	L-13	10/3/2012		clay	3'1"	L	13-67		1					1																					
Landers	L-13	6/18/2013	1			L	13-64		1							1							1												
Landers	L-13	6/18/2013		clay	4'10"	L	13-66		1					1																					
Heights	M-11	10/22/2012		pvc	7'8"	M	11-1		1					1																					
Heights	M-11	10/22/2012		conc	8'3"	M	11-2		1					1																					
Holly	M-11	10/22/2012		conc	9'3"	M	11-3		1					1																					
Holly	M-11	6/18/2013		conc	4'6"	M	11-4				1			1									1					06/18/13						1	
Heights	M-11	10/22/2012		pvc	6'4"	M	11-5		1					1																					
Palmer Ave	M-11	10/23/2012			5'4"	M	11-6		1					1																					
I-30 West	M-11	10/23/2012		pvc	6'4"	M	11-6A				1			1																					
I-30 West	M-11	10/23/2012		conc	11'8"	M	11-7				1			1																					
Heights	M-11	6/18/2013		clay	4'1"	M	11-8		1						1			1	1																
I-30 West	M-11	10/23/2012		conc	8'11"	M	11-9		1					1																					
Heights	M-11	10/22/2012		pvc	4'5"	M	11-9A		1					1																					
Olive	M-11	10/22/2012		conc	3'8"	M	11-10				1			1																					
Forrest Lane	M-11	10/24/2012		conc	7'1"	M	11-11		1					1																					
Forrest Lane	M-11	10/24/2012		conc	6'10"	M	11-12		1					1																					
Forrest Lane	M-11	10/24/2012		conc	10'1"	M	11-13				1			1																					
Olive	M-11	10/24/2012		clay	4'11"	M	11-15		1					1																					
Forrest Lane	M-11	10/24/2012		conc	5'8"	M	11-18						1			1											1								
Forrest Lane	M-11	10/24/2012		conc	5'9"	M	11-19						1	1																					
KenWood	M-11	10/24/2012		conc	9'6"	M	11-20				1			1																					
KenWood	M-11	6/19/2013		clay	8'10"	M	11-20A						1	1																					
KenWood	M-11	10/24/2012		clay	8'7"	M	11-21				1			1																					
KenWood	M-11	10/24/2012		clay	4'7"	M	11-24						1			1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed		
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension
KenWood	M-11	6/19/2013		pvc	8'2"	M 11-25				1	1																				
KenWood	M-11	10/24/2012		conc	8'11"	M 11-28				1	1																				
KenWood	M-11	10/24/2012		pvc	10'5"	M 11-29				1	1																				
KenWood	M-11	10/24/2012		HDPE	6'10"	M 11-30				1	1																				
KenWood	M-11	10/24/2012		clay	6'6"	M 11-31				1				1			1														
KenWood	M-11	10/24/2012		clay	8'5"	M 11-31A				1	1																				
KenWood	M-11	10/24/2012		clay	6'1"	M 11-32				1				1			1					1									
KenWood	M-11	10/24/2012		clay	7'1"	M 11-33				1	1																				
Olive	M-11	10/24/2012	1			M 11-33A																									
KenWood	M-11	10/24/2012		clay	2'11"	M 11-34		1																							
KenWood	M-11	10/24/2012		pvc	7'11"	M 11-35		1		1																					
KenWood	M-11	10/24/2012		conc	6'5"	M 11-36		1				1																			
KenWood	M-11	10/24/2012		pvc	7'6"	M 11-37		1																							
KenWood	M-11	10/24/2012		pvc	7'9"	M 11-37A				1	1																				
KenWood	M-11	10/24/2012		conc	5'4"	M 11-38		1				1																			
KenWood	M-11	10/24/2012	1			M 11-39																									
Dogwood	M-11	10/24/2012		pvc	11'10"	M 11-41				1	1																				
Dogwood	M-11	10/24/2012		pvc	5'3"	M 11-41A				1	1																				
Sherris	M-11	10/24/2012		pvc	5'7"	M 11-41B					1	1																			
KenWood	M-11	10/24/2012	1			M 11-44																									
KenWood	M-11	10/24/2012	1			M 11-45																									
Hwy 5	M-11	10/23/2012	1			M 11-49																									
Hwy 5	M-11	10/23/2012		pvc	5'2"	M 11-49A		1				1																			
Hwy 5	M-11	10/23/2012	1			M 11-49B																									
KenWood	M-11	10/23/2012		pvc	8'2"	M 11-50		1				1																			
KenWood	M-11	10/23/2012		pvc	9'1"	M 11-51		1				1																			
Sharron Rd	M-11	10/23/2012		pvc	8'8"	M 11-52		1				1																			
KenWood	M-11	10/23/2012		pvc	11'10"	M 11-52A		1				1																			
I-30 West	M-11	10/23/2012	1			M 11-53																									
I-30 West	M-11	10/23/2012	1			M 11-54																									
I-30 West	M-11	10/23/2012		pvc	4'2"	M 11-54A		1				1																			
I-30 West	M-11	10/23/2012		pvc	8'7"	M 11-54B		1				1																			
I-30 West	M-11	10/23/2012		pvc	3'0"	M 11-54C		1				1																			
Hwy 5	M-11	10/23/2012		pvc	5'1"	M 11-55				1																					
Hwy 5	M-11	10/23/2012		pvc	6'7"	M 11-56		1				1																			
Hwy 5	M-11	10/23/2012	1			M 11-57																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed										
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining						
Hwy 5	M-11	10/23/2012	1			M 11-58																																
Sharron Rd	M-11	10/23/2012	1			M 11-59																																
Sharron Rd	M-11	10/23/2012		pvc	9'8"	M 11-60	1					1																										
I-30 West	M-11	10/23/2012	1			M 11-61																																
I-30 West	M-11	10/23/2012		pvc	10'8"	M 11-61A																																
Hwy 5	M-11	10/23/2012		pvc	14'9"	M 11-62																																
Hwy 5	M-11	10/23/2012		pvc	9'4"	M 11-63																																
I-30 East	M-11	10/9/2012	1			M 11-64																																
I-30 East	M-11	10/9/2012	1			M 11-65																																
I-30 East	M-11	10/9/2012		conc	7'10"	M 11-66																																
I-30 East	M-11	10/9/2012	1			M 11-68																																
I-30 East	M-11	10/9/2012	1			M 11-69																																
I-30 East	M-11	10/9/2012		conc	6'8"	M 11-69A																																
Main	M-11	10/4/2012		conc	14'0"	M 11-70	1																															
Main	M-11	10/4/2012		pvc	3'2"	M 11-71																																
Main	M-11	10/4/2012		clay	2'11"	M 11-72																																
Main	M-11	10/4/2012		clay	4'11"	M 11-73																																
Main	M-11	10/4/2012		conc	6'0"	M 11-73A																																
Main	M-11	10/4/2012	1			M 11-75																																
Main	M-11	10/4/2012	1			M 11-75A(NF)																																
Main	M-11	10/4/2012		conc	4'3"	M 11-76																																
Main	M-11	10/4/2012		pvc	4'4"	M 11-76A																																
Main	M-11	10/4/2012		conc	10'6"	M 11-79																																
Main	M-11	10/4/2012		conc	5'6"	M 11-79A																																
Main	M-11	10/4/2012		conc	5'2"	M 11-80																																
Market	M-11	10/4/2012		conc	6'9"	M 11-81A																																
McNeil	M-11	10/4/2012		conc	6'1"	M 11-82																																
Circle	M-11	10/4/2012		conc	4'4"	M 11-82A																																
Main	M-11	10/4/2012		conc	5'2"	M 11-82B																																
Circle Dr	M-11	10/4/2012		conc	5'2"	M 11-83																																
Carpenter	M-11	10/9/2012	1			M 11-84																																
I-30 East	M-11	10/9/2012	1			M 11-84A																																
Sharron Rd	M-11	10/23/2012		pvc	4'6"	M 11-86																																
Sharron Rd	M-11	10/23/2012		pvc	3'4"	M 11-87																																
I-30 West	M-11	10/23/2012	1			M 11-88																																
I-30 West	M-11	10/23/2012	1			M 11-88A																																

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed		
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension
Medical Park Dr	M-12	10/4/2012		conc	5'7"	M 12-1		1					1																		
Main	M-12	10/4/2012	1			M 12-M1B									1					1											
Freds	M-12	10/4/2012			6'5"	M 12-27		1					1																		
Freds	M-12	10/4/2012			6'5"	M 12-28		1					1																		
Murphy Oil	M-12	10/4/2012		pvc	23'1"	M 12-29		1						1							1										
Murphy Oil	M-12	10/4/2012		pvc	24'0"	M 12-30				1			1																		
Subway	M-12	10/4/2012		pvc	10'1"	M 12-31				1			1																		
Wal-Mart	M-12	10/4/2012		pvc	6'0"	M 12-32					1		1																		
Wal-Mart	M-12	10/4/2012	1			M 12-33									1						1										
Kroger	M-12	10/4/2012		pvc	13'6"	M 12-35					1		1																		
Kroger	M-12	10/4/2012		pvc	5'5"	M 12-36		1					1																		
Medical Park Dr	M-12	10/4/2012	1			M					1				1						1										
Medical Park Dr	M-12	10/4/2012	1			M 12-40A(NF)					1				1						1										
Medical Park Dr	M-12	10/4/2012		pvc	4'7"	M 12-41				1			1																		
Medical Park Dr	M-12	10/4/2012	1			M 12-41A									1																
Medical Park Dr	M-12	10/4/2012		pvc	2'9"	M 12-42				1			1																		
Medical Park Dr	M-12	10/4/2012		conc	5'3"	M 12-49		1					1																		
Main	M-12	10/4/2012		conc	5'11"	M 12-50							1																		
W. Saline Dr	N-9	10/18/2012		HDPE	4'8"	N 9-1		1					1													8/26/2010		1			1
W. Sevier	N-9	10/18/2012		conc	7'5"	N 9-1A		1					1																		
W. Sevier	N-9	10/18/2012	1			N 9-2									1									1							
Rio Grand	N-9	10/18/2012		conc	6'8"	N 9-3		1					1																		
Swanee Dr	N-9	10/18/2012		conc	5'1"	N 9-4		1					1												8/26/2010		1				1
E. Saline Cr	N-9	10/18/2012		conc	4'4"	N 9-7		1					1																		
W. Saline Cir	N-9	10/18/2012		conc	6'4"	N 9-9		1					1												8/26/2010		1				1
Swanee Dr	N-9	10/18/2012		conc	6'10"	N 9-10		1					1																		
E. Saline Cr	N-9	10/18/2012		conc	15'4"	N 9-11		1					1																		
E. Saline Cr	N-9	10/18/2012		conc	5'11"	N 9-12		1					1																		
E. Saline Cr	N-9	6/19/2013		conc	13'10"	N 9-13				1			1																		
W. Saline Cr	N-9	10/18/2012		conc	6'1"	N 9-14		1					1																		
W. Saline Cr	N-9	10/18/2012		conc	6'5"	N 9-15		1					1												8/26/2010		1				1
E. Saline Cr	N-9	10/18/2012		conc	3'4"	N 9-16		1					1												8/26/2010		1				1
E. Saline Cr	N-9	10/18/2012		conc	7'2"	N 9-17					1		1																		
Teresa Cr	N-9	10/18/2012		conc	6'1"	N 9-17A		1					1																		
Heritage Hills	N-9	6/27/2013		clay	12'6"	N 9-18					1		1																		
Heritage Hills	N-9	6/27/2013		clay	5'5"	N 9-19					1		1																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole				Need for Repair			Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed			
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole Around Pipe									Remove Roots	Replace Lid/Outside Rehab	Raise Rim
Heritage Hills	N-9	10/18/2012		clay	10'5"	N 9-19A	1							1							1								
Heritage Hills	N-9	10/18/2012		clay	8'4"	N 9-20					1	1																	
Heritage Hills	N-9	10/18/2012		clay	7'3"	N 9-21					1	1																	
Heritage Hills	N-9	6/27/2013		clay	7'7"	N 9-22					1	1																	
Brent Ford	N-9	10/18/2012		pvc	7'10"	N 9-24					1	1																	
Brent Ford	N-9	10/18/2012		pvc	7'9"	N 9-25					1	1																	
Brent Ford	N-9	10/18/2012				N 9-25A				1				Inactive		Fill In Manhole													
Brent Ford	N-9	10/18/2012		pvc	9'5"	N 9-26				1		1																	
Heritage Hills	N-10	10/18/2012		clay	6'2"	N 10-1					1	1																	
Heritage Hills	N-10	10/18/2012		clay	11'8"	N 10-2				1		1																	
Teresa	N-10	6/19/2013		pvc	7'3"	N 10-5					1	1																	
Teresa	N-10	10/15/2012		clay	6'6"	N 10-6	1					1																	
Teresa	N-10	10/15/2012		conc	9'4"	N 10-7	1					1																	
Pinewood	N-10	10/15/2012		conc	7'2"	N 10-8					1	1																	
Pinewood	N-10	10/15/2012		conc	6'4"	N 10-9	1					1																	
Pinewood	N-10	10/15/2012		conc	8'5"	N 10-12	1					1																	
Woodland	N-10	10/19/2012		HDPE	5'1"	N 10-13				1		1																	
Woodland	N-10	10/19/2012		HDPE	4'2"	N 10-14						1	1																
Woodland	N-10	10/19/2012		conc	6'0"	N 10-15					1	1																	
Woodland	N-10	10/19/2012		conc	4'9"	N 10-16					1		1								1	1							
Woodland	N-10	10/19/2012		conc	5'2"	N 10-17					1	1																	
Venturi	N-10	10/19/2012		conc	10'4"	N 10-18					1	1																	
Venturi	N-10	10/19/2012		conc	5'4"	N 10-19	1					1																	
Lenore	N-10	10/15/2012		conc	8'0"	N 10-21					1	1																	
Woodland	N-10	10/19/2012		conc	6'5"	N 10-23B	1					1																	
Woodland	N-10	10/19/2012		conc	5'2"	N 10-25					1	1																	
Woodland	N-10	10/19/2012		conc	5'1"	N 10-26					1	1																	
Woodland	N-10	6/20/2013		conc	5'2"	N 10-27					1	1																	
Woodland	N-10	6/20/2013		conc	5'1"	N 10-28					1	1																	
Woodland	N-10	6/20/2013		conc	4'11"	N 10-29					1	1																	
Pinewood	N-10	10/15/2012		conc	8'10"	N 10-35	1					1																	
Pinewood	N-10	10/15/2012		clay	4'6"	N 10-36					1	1																	
Edgemoor	N-10	10/15/2012		conc	8'9"	N 10-37	1					1																	
Woodland	N-10	10/15/2012		conc	3'7"	N 10-37A					1	1																	
Edgemoor	N-10	10/15/2012		conc	7'2"	N 10-38	1					1																	
Edgemoor	N-10	10/15/2012				N 10-39								Inactive															

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Repaired or Hole Sealed at Pipe	Bench and Trough	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed					
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab										Raise Rim	Seal Rim or Extension	Cementitious Lining		
Edgemoor	N-10	10/15/2012		conc	6'10"	N	10-40					1	1																						
Edgemoor	N-10	10/15/2012		conc	3'7"	N	10-42		1				1																						
I-30 West	N-10	6/20/2013		conc	6'4"	N	10-43					1	1																						
I-30 West	N-10	10/15/2012		conc	16'11"	N	10-43A						1	1																					
Venturi	N-10	10/19/2012	1			N	10-44(NF)									1								1											
Venturi	N-10	10/19/2012		conc	6'4"	N	10-45					1	1																						
Venturi	N-10	10/19/2012		conc	7'8"	N	10-46					1	1																						
Pinewood	N-10	10/15/2012		conc	3'11"	N	10-47					1	1																						
I-30 West	N-10	10/15/2012		conc	6'2"	N	10-47A					1	1																						
I-30 East	N-10	10/11/2012		conc	6'2"	N	10-48					1	1																						
Grapevine	N-10	10/11/2012		conc	6'1"	N	10-48A					1				1							1												
Grapevine	N-10	10/11/2012		clay	5'8"	N	10-48B					1	1																						
Whitewood	N-10	10/11/2012		conc	4'3"	N	10-50		1				1																						
Grapevine	N-10	10/11/2012		conc	6'0"	N	10-51		1							1							1												
Grapevine	N-10	10/11/2012		HDPE	3'9"	N	10-52					1	1																						
Whitewood	N-10	10/11/2012		conc	4'11"	N	10-54						1			1							1	1											
I-30 East	N-10	10/11/2012		conc	6'0"	N	10-54A(NF)					1	1																						
Whitewood	N-10	10/11/2012		conc	7'1"	N	10-55					1	1																						
I-30 East	N-10	10/22/2012	1			N	10-56(NF)									1								1											
Whitewood	N-10	10/11/2012		conc	5'9"	N	10-57		1				1																						
I-30 East	N-10	10/22/2012		conc	7'10"	N	10-58					1	1																						
I-30 East	N-10	10/12/2012		conc	5'2"	N	10-59					1				1																			
Venturi	N-10	10/19/2012		conc	4'9"	N	10-60						1	1																					
Venturi	N-10	6/20/2013		conc	4'7"	N	10-61						1	1																					
Venturi	N-10	10/19/2012		duct	4'1"	N	10-62									1																			
Venturi	N-10	10/19/2012		duct	4'10"	N	10-62A					1	1																						
Brent Ford	N-10	10/18/2012		clay	4'6"	N	10-63						1	1																					
Woodland	N-10	10/15/2012		duct	3'3"	N	10-63A					1	1																						
Brent Ford	N-10	10/18/2012		pvc	4'7"	N	10-64						1	1																					
Brent Ford	N-10	6/19/2013		pvc	12'5"	N	10-65A						1																						
Woodland	N-10	10/15/2012		conc	10'5"	N	10-67		1				1																						
Woodland	N-10	6/27/2013		clay	5'1"	N	10-68					1	1																						
Teresa	N-10	10/15/2012		conc	9'5"	N	10-70									1							1	1											
Teresa	N-10	10/15/2012		conc	11'4"	N	10-73						1	1																					
Woodland	N-10	10/15/2012		conc	6'1"	N	10-74					1	1																						
Woodland	N-10	10/15/2012		conc	4'10"	N	10-75					1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed								
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining					
Cross	N-11	10/8/2012	1			N 11-2(NF)		1							1																						
Evans	N-11	6/27/2013		clay	5'11"	N 11-7		1					1																								
Grapevine	N-11	6/27/2013		conc	5'6"	N 11-10					1		1																								
Grapevine	N-11	6/27/2013		conc	7'11"	N 11-10A(NF)						1	1																								
Grapevine	N-11	6/27/2013		conc	5'8"	N 11-10B(NF)						1	1																								
Narroway	N-11	10/8/2012		conc	5'1"	N 11-15						1			1						1																
Narroway	N-11	10/8/2012		conc	7'7"	N 11-15A						1									1																
Narroway	N-11	10/8/2012		clay	5'8"	N 11-16					1		1																								
Narroway	N-11	10/8/2012		clay	6'8"	N 11-16A						1	1																								
Narroway	N-11	10/8/2012		clay	6'6"	N 11-17					1		1																								
Narroway	N-11	10/8/2012		conc	7'9"	N 11-18									1						1																
Narroway	N-11	10/8/2012		conc	7'9"	N 11-19		1					1																								
Narroway	N-11	10/8/2012		conc	8'4"	N 11-21						1			1						1																
Narroway	N-11	10/8/2012		conc	6'0"	N 11-21A					1				1						1																
Narroway	N-11	10/8/2012		clay	6'10"	N 11-22					1		1																								
Dyer	N-11	10/8/2012		conc	9'10"	N 11-25		1					1																								
Dyer	N-11	10/8/2012		conc	5'5"	N 11-25A					1				1																						
Narroway	N-11	10/8/2012		clay	4'10"	N 11-26		1					1																								
Evans	N-11	10/5/2012		conc	4'9"	N 11-27		1					1																								
Narroway	N-11	10/5/2012	1			N 11-28																															
Dyer	N-11	10/8/2012		conc	6'1"	N 11-29		1					1																								
Woodlane	N-11	10/8/2012		clay	7'1"	N 11-32		1					1																								
Woodlane	N-11	10/8/2012		clay	5'6"	N 11-32A		1					1																								
Woodlane	N-11	10/8/2012		pvc	7'10"	N 11-32B						1			1						1																
Dyer	N-11	6/27/2013		conc	6'8"	N 11-34							1																								
Narroway	N-11	10/8/2012		conc	6'10"	N 11-34A						1		1																							
McCright	N-11	10/22/2012		conc	7'5"	N 11-34B		1					1																								
McCright	N-11	10/22/2012		conc	5'10"	N 11-34C						1		1																							
McCright	N-11	10/23/2012		conc	6'6"	N 11-34						1	1																								
Dryer	N-11	6/27/2013		conc	6'4"	N 11-35							1	1																							
Palmer Ave	N-11	10/22/2012		conc	7'7"	N 11-35A						1		1																							
Palmer Ave	N-11	10/23/2012	1			N 11-35B																															
Palmer Ave	N-11	10/23/2012	1			N 11-35C																															
Palmer Ave	N-11	10/23/2012		pvc	5'4"	N 11-35D		1					1																								
Woodlane	N-11	10/8/2012		pvc	7'9"	N 11-36		1							1																						
Woodlane	N-11	10/8/2012		clay	7'3"	N 11-36A		1					1																								

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed										
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining						
Woodlane	N-11	10/8/2012		clay	6'11"	N 11-39	1							1				1																				
Woodlane	N-11	10/8/2012		pvc	8'11"	N 11-39A				1				1				1				1																
Woodlane	N-11	10/8/2012		clay	3'7"	N 11-40	1					1																										
Woodlane	N-11	10/8/2012		clay	2'9"	N 11-42	1		1			1																										
Woodlane	N-11	10/9/2012		clay	4'10"	N 11-42A						1			1				1																			
Woodlane	N-11	10/8/2012		pvc	1'8"	N 11-42B	1					1																										
Woodlane	N-11	10/9/2012		pvc	4'7"	N 11-42C						1	1																									
I-30 East	N-11	10/9/2012		clay	5'8"	N 11-42D						1	1																									
Woodlane	N-11	6/27/2013		conc	7'6"	N 11-43						1	1																									
Woodlane	N-11	10/8/2012	1			N 11-43A						1																										
I-30 West	N-11	10/23/2012		pvc	9'0"	N 11-43B						1	1																									
I-30 East	N-11	10/9/2012	1			N 11-46						1													1													
I-30 East	N-11	10/9/2012	1			N 11-46A						1													1													
I-30 East	N-11	10/9/2012	1			N 11-47						1													1													
I-30 East	N-11	10/9/2012	1			N 11-56						1													1													
Woodlane	N-11	6/27/2013		Pvc	4'5"	N 11-59						1	1																									
Woodlane	N-11	6/27/2013		Pvc	4'1"	N 11-60						1	1																									
Crestwood	N-11	10/5/2012		conc	5'10"	N 11-62						1																										
Crestwood	N-11	10/5/2012		conc	6'4"	N 11-63	1																															
Crestwood	N-11	10/5/2012		conc	3'7"	N 11-65						1																										
Crestwood	N-11	10/5/2012	1			N 11-66(NF)	1																		1													
Crestwood	N-11	10/5/2012		conc	3'10"	N 11-67	1																															
Crestwood	N-11	10/5/2012		conc	9'1"	N 11-68	1																															
Carpenter	N-11	10/9/2012		conc	8'8"	N 11-69						1																										
Carpenter	N-11	10/5/2012		conc	8'11"	N 11-70	1																															
Market	N-11	10/5/2012		conc	3'7"	N 11-71	1																															
Carpenter	N-11	10/9/2012		pvc	7'9"	N 11-72	1																															
Market	N-11	10/5/2012		conc	5'10"	N 11-73	1																															
Market	N-11	10/5/2012		conc	2'11"	N 11-74	1																															
Hill Circle	N-11	10/9/2012		conc	5'2"	N 11-75						1																										
Market	N-11	10/4/2012		conc	4'2"	N 11-77						1																										
Market	N-11	10/4/2012		conc	2'11"	N 11-79						1																										
Main	N-11	10/4/2012		conc	10'2"	N 11-82						1																										
Short	N-11	10/5/2012		pvc	4'0"	N 11-83	1																															
Main	N-11	10/5/2012		conc	8'6"	N 11-83A						1																										
Crestwood	N-11	10/5/2012		conc	4'8"	N 11-84						1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed									
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining						
Crestwood	N-11	10/5/2012		conc	3'1"	N 11-85					1	1																										
Narroway	N-11	10/5/2012		conc	14'5"	N 11-86		1				1																										
Narroway	N-11	10/5/2012		conc	12'1"	N 11-87		1				1																										
Narroway	N-11	10/5/2012		HDPE	17'0"	N 11-88		1				1																										
Narroway	N-11	10/5/2012		conc	10'4"	N 11-103		1				1																										
East	N-12	10/9/2012		conc	5'11"	N 12-23		1				1																										
East	N-12	10/9/2012		conc	7'4"	N 12-24		1				1																										
East	N-12	10/9/2012		conc	5'7"	N 12-35		1				1																										
King L/S	O-9	10/19/2012		conc	7'5"	O 9-2					1	1																										
King Rd	O-9	10/22/2012		conc	3'8"	O 9-2A					1	1																										
King L/S	O-9	10/19/2012	1			O 9-2C											1																					
King L/S	O-9	10/19/2012		conc	5'11"	O 9-3					1	1																										
King Rd	O-9	10/19/2012		conc	3'7"	O 9-7		1				1																										
King Rd	O-9	10/19/2012		conc	4'11"	O 9-7A					1				1																							
Tyler	O-9	10/19/2012		conc	5'8"	O 9-8		1				1																										
King Rd	O-9	10/19/2012	1			O 9-8A(BR)											1																					
Tyler	O-9	10/19/2012		pvc	7'8"	O 9-9					1	1																										
Tyler	O-9	10/19/2012	1			O 9-9A											1																					
Enwood	O-9	10/19/2012		pvc	5'6"	O 9-10		1							1																							
King Rd	O-9	10/19/2012		pvc	2'8"	O 9-13					1	1																										
King Rd	O-9	10/19/2012		pvc	4'5"	O 9-14					1	1																										
King Rd	O-9	10/19/2012		pvc	2'10"	O 9-15					1	1																										
King Rd	O-9	10/22/2012		conc	3'7"	O 9-18		1							1																							
King Rd	O-9	10/22/2012		pvc	3'1"	O 9-19					1	1																										
West South	O-9	10/22/2012		pvc	7'10"	O 9-20					1	1																										
West South	O-9	10/22/2012		pvc	8'0"	O 9-21					1	1																										
West South	O-9	10/22/2012		pvc	8'4"	O 9-22					1	1																										
Troutt	O-9	10/19/2012		HDPE	11'3"	O 9-23					1	1																										
Troutt	O-9	10/19/2012		conc	8'9"	O 9-24		1				1																										
Troutt	O-9	10/19/2012		conc	6'8"	O 9-25		1				1																										
Troutt	O-9	10/19/2012		conc	5'2"	O 9-26		1				1																										
Troutt	O-9	10/19/2012	1			O 9-26A											1																					
Pike	O-9	10/19/2012		conc	8'6"	O 9-27		1				1																										
Pike	O-9	10/19/2012		conc	8'2"	O 9-28		1				1																										
West South	O-9	10/22/2012		conc	5'9"	O 9-28B						1																										
Bass Lane	O-9	10/19/2012		Vline	7'9"	O 9-30		1				1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Type of pipe	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Replace Lid/Outside Rehab	Rim Raised	Extension or Rim Sealed	Lining Completed					
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining				
Bass Lane	O-9	10/19/2012		Vline	7'9"	O 9-31		1					1													8/18/2010		1						1		
Bass Lane	O-9	10/19/2012		conc	7'6"	O 9-32		1					1													8/10/2010		1						1		
Pike	O-9	10/19/2012		conc	6'6"	O 9-33	1						1													8/18/2010		1						1		
Pike	O-9	10/19/2012		conc	6'3"	O 9-35	1						1													8/18/2010		1						1		
Troutt	O-9	10/19/2012		conc	5'1"	O 9-36	1						1																							
Troutt	O-9	10/19/2012		conc	6'1"	O 9-37	1						1																							
Bass Lane	O-9	10/19/2012		conc	5'8"	O 9-38	1						1													8/10/2010		1							1	
Bass Lane	O-9	10/19/2012		conc	3'2"	O 9-39	1						1													8/10/2010		1							1	
Crouch	O-9	10/19/2012		conc	4'1"	O 9-40	1						1													8/11/2010		1							1	
	O-9	10/19/2012		conc	5'4"	O 9-41	1						1													8/11/2010		1							1	
Crouch	O-9	10/19/2012		conc	9'2"	O 9-42	1						1													8/10/2010		1							1	
Leander	O-10	10/9/2012	1			O 10-15(NF)																														
Leander	O-10	10/10/2012		conc	3'7"	O 10-16	1						1																							
E. Sevier	O-10	10/10/2012		conc	6'5"	O 10-17	1						1																							
E. Sevier	O-10	10/10/2012	1			O 10-18																														
E. Sevier	O-10	10/11/2012		conc	9'0"	O 10-19	1							1		1																				
E. Sevier	O-10	10/11/2012		conc	9'10"	O 10-22	1						1																							
E. Sevier	O-10	10/11/2012		conc	5'3"	O 10-23	1						1																							
Total			115				30	241	0	11	226	93	456	8	36	40	115	0	40	21	11	108	16	31		0	17	0	0	4	0			17		

Total No. MH 655

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Gementious Lining							
McCright	N11	11/1/12		4'1"	N	11-1		1					1																										
Cross	N11	11/1/12		10'11"	N	11-3		1						1																									
Cross	N11	11/1/12		14'5"	N	11-4		1					1																										
Cross	N11	11/1/12	1		N	11-9										1																							
Cross	N11	11/1/12	1		N	11-9A										1																							
S. Main	N11	11/6/12	1		N			1																															
Market	N11	11/6/12	1		N	11-92		1																															
North	N11	11/1/12		6'10"	N	11-93		1					1																										
North	N11	11/1/12		12'11"	N	11-94		1						1																									
North	N11	11/1/12		6'4"	N	11-95		1					1																										
North	N11	11/1/12		7'10"	N	11-95A		1					1																										
Cross	N11	11/1/12		10'10"	N	11-96		1					1																										
Cross	N11	11/1/12	1		N	11-96 A		1																															
Market	N11	11/6/12		7'4"	N	11-99		1					1																										
S. Main	N11	11/6/12	1		N	11-100		1																															
Cross	N11	11/1/12		6'6"	N	11-102		1					1																										
Fairfield	O9	11/5/12		5'8"	O	9-41		1					1																										
Fairfield	O9	11/5/12		7'4"	O	9-42		1					1																										
I-30 Fairgrounds	O9	11/5/12	1		O	9-43																																	
I-30	O9	11/5/12		8'1"	O	9-44																																	
I-30 Fairgrounds	O9	11/5/12		8'3"	O	9-45																																	
I-30 Fairgrounds	O9	11/5/12		11'4"	O	9-46																																	
I-30 Holland Chapel	O9	11/5/12		11'11"	O	9-47																																	
Airlane	O9	11/5/12		14'6"	O	9-48																																	
Airlane	O9	11/5/12		11'2"	O	9-50																																	
Airlane	010	11/5/12		13'6"	O	10-4		1																															
Airlane	010	11/5/12		7'0"	O	10-4A																																	
Smith	010	11/5/12		7'11"	O	10-4B		1																															
Smith	010	11/5/12		5'6"	O	10-5		1																															
Smith	010	11/5/12	1		O	10-5 A																																	
Bird	010	11/9/12		5'9"	O	10-6		1																															
Maple	010	11/9/12		6'7"	O	10-7		1																															
Maple	010	11/9/12		6'5"	O	10-7A		1																															
Smith	010	11/5/12		5'9"	O	10-8		1																															

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining			
Smith	010	11/5/12		5'0"	O 10-8A				1			1																						
Smith	010	11/5/12		5'1"	O 10-8B					1		1																						
I-30 East	010	11/5/12	1		O 10-8C						1				1					1														
Smith	010	11/5/12		2'1"	O 10-9		1					1																						
Smith	010	11/5/12		4'5"	O 10-9A		1					1																						
Smith	010	11/5/12		6'7"	O 10-10		1					1																						
I-30 East	010	11/5/12		8'5"	O 10-11		1						1																					
Smith	010	11/5/12		8'10"	O 10-11 A		1					1																						
I-30 East	010	11/5/12		6'5"	O 10-12					1		1																						
Rasburry	010	11/5/12		7'7"	O 10-21		1					1																						
W. South	010	11/6/12		5'10"	O 10-27					1		1																						
W. South	010	11/6/12	1		O 10-28			1							1						1													
Conrad	010	11/6/12		13'11"	O 10-29		1					1																						
Conrad	010	11/6/12		3'10"	O 10-30		1							1																				
W. South	010	11/6/12		15'8"	O 10-31		1					1																						
W. South	010	11/6/12		8'10"	O 10-32A			1				1																						
Rasburry	010	11/6/12		8'6"	O 10-33		1						1																					
Ashley	010	11/6/12		10'4"	O 10-34		1						1																					
Ashley	010	11/6/12		7'9"	O 10-34A		1					1																						
Lake	010	11/5/12		3'2"	O 10-35		1					1																						
Ashley	010	11/6/12		9'4"	O 10-36		1						1																					
Conrad	010	11/6/12		4'8"	O 10-38					1		1																						
Dobbs	010	11/6/12		5'1"	O 10-39		1					1																						
Dobbs	010	11/6/12		5'2"	O 10-39A		1					1																						
Dobbs	010	11/9/12		7'10"	O 10-39B					1		1																						
Smith	010	11/6/12		4'2"	O 10-40					1		1																						
Robinette	010	11/9/12		4'7"	O 10-40A						1	1																						
Smith	010	11/5/12		8'11"	O 10-41					1		1																						
W. Smith	010	11/6/12		6'10"	O 10-41A					1		1																						
W. Smith	010	11/6/12		2'5"	O 10-41B	1						1																						
Jefferson	010	11/5/12		12'0"	O 10-42		1							1																				

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining			
Pine	010	11/9/12		4'6"	O	10-43				1	1																							
Robinette/Marion	010	11/9/12		5'2"	O	10-46							1																					
Robinette	010	11/9/12		3'5"	O	10-46A					1	1																						
Robinette	010	11/9/12	1		O	10-47	1													1														
Robinette	010	11/9/12		6'1"	O	10-47A				1	1																							
Robinette	010	11/9/12	1		O	10-48	1																											
Dobbs	010	11/6/12		13'6"	O	10-49	1				1																							
Dobbs	010	11/9/12	1		O	10-49 A																												
Dobbs	010	11/6/12		4'8"	O	10-50	1				1																							
W. South	010	11/6/12		5'10"	O	10-52	1				1																							
Smith	010	11/5/12		12'4"	O	10-56	1				1																							
Smith	010	11/5/12		14'5"	O	10-57					1	1																						
I-30 East	010	11/5/12		13'10"	O	10-58					1	1																						
S. Martin	011	11/1/12		3'9"	O	11-3	1				1																							
S. Martin	011	11/1/12		7'1"	O	11-4	1				1																							
Ashley	011	11/1/12		8'9"	O	11-8	1				1																							
Ashley	011	11/1/12		4'7"	O	11-9	1				1																							
W. South	011	11/6/12		6'11"	O	11-14	1				1																							
W. South	011	11/6/12		4'7"	O	11-15	1				1																							
W. South	011	11/6/12	1		O	11-15A																												
W. South	011	11/6/12		9'5"	O	11-16					1																							
West	011	11/1/12	1		O	11-19	1																											
N. Martin	011	11/1/12		5'3"	O	11-21	1				1																							
N. Olive	011	11/1/12		4'0"	O	11-22	1				1																							
N. Olive	011	11/1/12			O	11-23	1				1																							
West	011	11/1/12		9'5"	O	11-27	1				1																							
E. Sevier	011	11/1/12		13'2"	O	11-29	1																											
N. Richards	011	11/1/12		5'8"	O	11-31	1				1																							
E. Sevier	011	11/1/12		9'1"	O	11-33	1				1																							
E. Sevier	011	11/1/12		6'9"	O	11-34	1				1																							
E. Sevier	011	11/1/12		4'7"	O	11-35	1				1																							
Conway	011	11/1/12		3'3"	O	11-36A	1				1																							
Conway	011	11/1/12		3'11"	O	11-37	1				1																							
Conway	011	11/1/12		6'4"	O	11-37A	1				1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim	Seal Rim or Extension									Cementitious Lining					
N. Olive	011	11/1/12		8'7"	O	11-38		1					1																								
E. Sevier	011	11/1/12	1		O	11-39		1						1				1																			
Market	011	11/5/12		10'5"	O	11-44		1					1																								
Conway	011	11/1/12		3'3"	O	11-45		1					1																								
S. Main	011	11/6/12	1		O	11-46		1						1				1																			
Smith	011	11/1/12		4'7"	O	11-67		1					1																								
Fairfield	P9	11/5/12		10'6"	P	9-2		1					1																								
Fairfield	P9	11/5/12	1		P	9-3								1				1																			
Fairfield	P9	11/5/12		12'0"	P	9-4		1					1																								
Jackman	P9	11/5/12		11'7"	P	9-5		1					1																								
Jackman	P9	11/5/12		5'6"	P	9-6		1					1																								
Jackman	P9	11/5/12		15'8"	P	9-8		1					1																								
Tee	P9	11/5/12		8'4"	P	9-9		1					1																								
Henry	P9	11/5/12		7'6"	P	9-11		1					1																								
Fairfield	P9	11/5/12		5'5"	P	9-12		1					1																								
U Street	P9	11/5/12		6'6"	P	9-13		1					1																								
U Street	P9	11/5/12		8'5"	P	9-14		1					1																								
U Street	P9	11/5/12	1		P	9-15									1							1															
Fairfield	P9	11/5/12		12'4"	P	9-17					1				1																						
Fairfield	P9	11/5/12		11'8"	P	9-17B					1		1																								
Henry	P9	11/5/12	1		P	9-18									1																						
Fairfield	P9	11/5/12		9'0"	P	9-20					1		1																								
Henry	P9	11/5/12		9'3"	P	9-19		1					1																								
Henry	P9	11/5/12		7'0"	P	9-19B		1					1																								
Airlane	P9	11/5/12		7'6"	P	9-21					1		1																								
Fairfield	P9	11/5/12		8'11"	P	9-21A					1		1																								
Fairfield	P9	11/5/12		10'1"	P	9-22						1	1																								
Fairfield	P9	11/5/12		9'11"	P	9-23					1		1																								
Fairfield	P9	11/5/12	1		P	9-24					1				1																						
Fairfield	P9	11/5/12		8'8"	P9	9-25					1		1																								
Airlane	P9	11/5/12		8'6"	P9	9-27B					1		1																								
Airlane	P9	11/5/12		9'10"	P9	9-49					1		1																								
Airlane	P9	11/5/12		8'5"	P9	9-61					1		1																								
Bird	P10	11/5/12		10'8"	P10	1					1		1																								
Bird	P10	11/5/12		8'9"	P10	1A					1		1																								

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim	Seal Rim or Extension									Cementitious Lining					
Bird	P10	11/5/12		12'3"	P10	2					1																										
Henry	P10	11/5/12		18'9"	P10	3			1																												
Henry	P10	11/5/12		18'7"	P10	3A			1																												
Banner	P10	11/5/12		3'0"	P10	4			1																												
Ike	P10	11/5/12		17'11"	P10	4A			1																												
Henry	P10	11/5/12		4'6"	P10	5			1																												
Henry	P10	11/5/12	1		P10	6			1								1																				
Banner	P10	11/6/12		6'0"	P10	7			1																												
Rocky	P10	11/6/12		4'0"	P10	9			1																												
Bird	P10	11/5/12		4'3"	P10	10					1																										
Bird	P10	11/5/12		8'9"	P10	11					1																										
Spangle	P10	11/5/12		5'5"	P10	13			1																												
Hazel	P10	11/5/12		5'11"	P10	15			1						1																						
Hazel	P10	11/5/12		3'5"	P10	15A			1																												
Spangle	P10	11/5/12		5'9"	P10	18			1																												
Spangle	P10	11/5/12		8'5"	P10	14			1																												
Thelma	P10	11/6/12		5'11"	P10	19			1																												
Spangle	P10	11/5/12		4'8"	P10	20			1																												
Whispering Pines	P10	11/9/12		6'11"	P10	21					1																										
Dobbs	P10	11/6/12		3'0"	P10	21A					1																										
Whispering Pines	P10	11/9/12		7'0"	P10	22					1																										
Thelma	P10	11/6/12		4'8"	P10	22A			1																												
Dobbs	P10	11/6/12		5'0"	P10	23			1																												
Star	P10	11/6/12		8'4"	P10	24			1																												
Jackman	P10	11/6/12		13'7"	P10	25			1																												
Banner	P10	11/6/12		8'2"	P10	26			1																												
Jackman	P10	11/6/12		12'11"	P10	27			1																												
Jackman	P10	11/6/12		10'8"	P10	27A			1																												
Jackman	P10	11/6/12		1/8/00	P10	27B			1																												
Robinette	P10	11/9/12		17'5"	P10	28					1																										
Marion	P10	11/9/12		5'9"	P10	29					1																										
Jackman	P10	11/6/12		4'5"	P10	30			1																												
Jefferson	P10	11/9/12		4'4"	P10	31					1																										
Dobbs	P10	11/6/12		4'10"	P10	32			1																												
Dobbs	P10	11/6/12		7'7"	P10	32A			1																												

Basin 4 Manhole Inspection Repairs 062713

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining							
Robinette	P10	11/9/12		14'1"	P10	33	1					1																										
Robinette	P10	11/9/12	1		P10	33A									1																							
Marion	P10	11/9/12	1		P10	34									1																							
Jefferson	P10	11/9/12	1		P10	35									1																							
Jefferson	P10	11/9/12		6'2"	P10	36						1																										
Jefferson	P10	11/9/12	1		P10	37									1																							
Jefferson	P10	11/9/12		4'8"	P10	38						1		1																								
Pine	P10	11/9/12		3'10"	P10	40						1		1																								
Pine	P10	11/9/12		3'8"	P10	41						1		1																								
Pine	P10	11/9/12		4'9"	P10	41A				1				1																								
Pine	P10	11/9/12		3'5"	P10	42						1		1																								
Pine	P10	11/9/12		2'7"	P10	43						1		1																								
Jackman	P10	11/9/12		3'10"	P10	46						1				1																						
Bird	P10	11/9/12		3'7"	P10	44				1				1																								
Bird	P10	11/9/12	1		P10	45										1																						
Jackman	P10	11/6/12		6'1"	P10	48						1		1																								
Jackman	P10	11/6/12		9'7"	P10	49					1			1																								
Jackman	P10	11/6/12		5'2"	P10	50					1			1																								
Jackman	P10	11/6/12		7'5"	P10	51					1			1																								
Jackman	P10	11/6/12		14'1"	P10	51A						1		1																								
Bird	P10	11/5/12		13'5"	P10	52						1		1																								
Jackman	P10	11/6/12		10'6"	P10	53						1		1																								
Rocky	P10	11/6/12		3'10"	P10	54					1			1																								
Thelma	P10	11/6/12		10'2"	P10	55					1			1																								
Rocky	P10	11/6/12		4'0"	P10	56					1			1																								
Thelma	P10	11/6/12	1		P10	57																																
Rocky	P10	11/6/12		4'1"	P10	58					1			1																								
Bird	P10	11/5/12	1		P10	59						1																										
Jackman	P10	11/6/12		9'8"	P10	60							1	1																								
Spangle	P10	11/5/12		6'11"	P10	66					1			1																								
Niel	P10	11/5/12	1		P10	66(NF)A																																
Holland Park	Q9	11/5/12	1		Q	9-1 A																																
Holland Park	Q9	11/5/12		4'5"	Q	9-2							1																									
Dale Avenue	Q10	11/9/12		18'2"	Q10	7																																
River	Q10	11/9/12		19'10"	Q10	7B							1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining							
Dale Avenue	Q10	11/9/12		16'5"	Q10	7C				1		1																										
Dale Avenue	Q10	11/6/12		6'1"	Q10	13				1		1																										
Dale Avenue	Q10	11/6/12		6'2"	Q10	14				1		1																										
Dale Avenue	Q10	11/6/12		4'10"	Q10	15		1				1																										
Spangle	Q10	11/6/12		3'1"	Q10	16				1		1																										
Dale Avenue	Q10	11/9/12		4'2"	Q10	18		1				1																										
Ike	Q10	11/9/12		14'10"	Q10	19		1				1																										
Ike	Q10	11/9/12		14'9"	Q10	20		1				1																										
Dale Avenue	Q10	11/9/12		13'4"	Q10	21		1				1																										
Bird	Q10	11/5/12	1		Q10	24								1							1																	
Bird	Q10	11/5/12		3'3"	Q10	25		1					1										1															
Bird	Q10	11/5/12		5'6"	Q10	26				1		1																										
Totals																																						
Total No. Manholes				32			3	124	5	5	59	7	169	0	13	2	32	0	2	1	0	27	2	11		0	0	0	0	0	0	0	0	0	0	0		

Total No. Manholes 216

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining															
Green	L13	5/30/12		9'8"	L	13-7					1									1																	
Military	L13	5/30/12		5'1"	L	13-7A								1																							
Military	L13	5/30/12		6'8"	L	13-7B					1																										
Military	L13	5/30/12		4'8"	L	13-8					1											1															
Green	L13	5/30/12		5'11"	L	13-17					1																										
Ferguson	M12	5/31/12		7'1"	M	12-19	1																														
Alcoa	M12	5/31/12		5'	M	12-15A					1																										
Alcoa	M12	5/31/12		4'11"	M	12-15B					1																										
Military	M12	5/31/12		16'11"	M	12-16					1																										
Military	M12	5/31/12		6'9"	M	12-17					1																										
Military	M12	5/31/12		16'2"	M	12-19																															
Military	M12	5/31/12		5'10"	M	12-23																															
Military	M12	5/31/12		4'7"	M	12-23A									1																						
Candis Drive	M13	5/31/12		3'9"	M	13-1					1																										
Pine Circle	M13	5/31/12		4'9"	M	13-2																															
Doyle Drive	M13	5/31/12		3'6"	M	13-3																															
Doyle Drive	M13	5/31/12		4'9"	M	13-3A																															
Sunset	M13	5/31/12		4'10"	M	13-4																															
Sunset	M13	5/31/12		6'3"	M	13-5																															
Doyle Drive	M13	5/31/12		5'10"	M	13-6																															
Doyle Drive	M13	5/31/12		6'5"	M	13-7																															
Oakwood	M13	5/31/12		6'1"	M	13-8																															
Military	M13	5/31/12		16'11"	M	13-9																															
Military	M13	5/31/12	1		M	13-9A																															
Crystal	M13	5/31/12		8'1"	M	13-11																															
Sunset	M13	5/31/12		5'10"	M	13-13																															
Military	M13	5/31/12		7'11"	M	13-14																															
Crystal	M13	5/30/12		3'1"	M	13-18																															
Military	M13	5/30/12		9'3"	M	13-27																															
Crystal	M13	5/30/12		4'6"	M	13-24																															
Military	M13	5/30/12		6'5"	M	13-26																															
Jameson	M13	5/30/12		3'6"	M	13-22																															
Jameson	M13	5/30/12		3'2"	M	13-15																															
Jameson	M13	5/30/12		3'6"	M	13-19																															
Jameson	M13	5/30/12	1		M	13-20																															

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Repaired or Hole Sealed at Pipe	Bench and Trough Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
					M	N	Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining		
Crystal	M13	5/30/12	1		M	13-16															1													
Crystal	M13	5/30/12		3'7"	M	13-12						1																						
Crystal	M13	5/30/12		2'9"	M	13-21							1					1							1									
Conway	M13	5/31/12		6'2"	M	13-26A						1					1																	
Conway	M13	5/31/12		6'7"	M	13-31						1					1																	
Conway	M13	5/31/12		5'4"	M	13-31A						1		1																				
Hester	M13	5/31/12		9'4"	M	13-58						1		1																				
S. East	N12	8/21/12		6'3"	N	12-1						1																						
Paradise	N12	8/22/12		8'5"	N	12-1A							1					1			1													
Lillian	N12	7/11/12	1		N12	COA																												
Narrowway	N12	7/12/12	1		N12	COB						1																						
S. East	N12	8/21/12		5'1"	N	12-12						1																						
S. East	N12	8/21/12		5'1"	N	12-13						1																						
N. East	N12	8/21/12		4'1"	N	12-20						1																						
S. East	N12	8/21/12		4'5"	N	12-25						1																						
Paradise	N12	8/22/12		7'0"	N	12-33							1																					
Alcoa	N12	8/22/12		6'10"	N	12-36							1		1																			
Virginia	N12	8/22/12		4'	N	12-64B							1		1																			
Fourth	N12	8/22/12	1		N	12-65B							1																					
Paradise	N12	8/22/12		6'8"	N	12-68							1			1																		
Paradise	N12	8/22/12		7'3"	N	12-68A							1			1																		
Belair	N12	8/22/12		6'4"	N	12-70							1			1																		
Paradise	N12	8/22/12		5'11"	N	12-70A							1			1																		
Montclair	N13	8/6/12		6'0"	N	13-1							1		1																			
Cox	N13	8/6/12		14'1"	N	13-2							1		1																			
Montclair	N13	8/6/12		6'2"	N	13-3							1		1																			
Cox	N13	8/6/12		13'9"	N	13-4							1		1																			
Cox	N13	8/6/12		5'7"	N	13-5							1		1																			
Off Terry Dr	N13	8/6/12		4'2"	N	13-6							1		1																			
Border	N13	8/6/12		6'1"	N	13-7							1		1																			
Cox	N13	8/6/12		2'1"	N	13-13								1	1																			
Cox	N13	8/6/12		9'0"	N	13-14									1																			
McKelvy	N13	8/6/12		2'2"	N	13-14A																												
Cox	N13	8/6/12		7'0"	N	13-15									1																			
Cox	N13	8/6/12	1		N	13-16																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining		
North	N13	8/6/12		11'4"	N	13-17		1						1																				
Sunset	N13	7/26/12		5'4"	N	13-24A		1						1																				
Oakwood	N13	7/26/12		9'2"	N	13-24		1						1																				
Benbrook	N13	8/6/12		6'2"	N	13-27A							1																					
North	N13	8/6/12		4'11"	N	13-36		1						1										1										
Hiland Circle	N13	8/6/12		3'11"	N	13-41		1						1																				
Hiland Circle	N13	8/6/12		5'6"	N	13-55	1								1									1										
Hiland Circle	N13	8/6/12		3'8"	N	13-57		1						1																				
S. Richards	O11	8/21/12		4'8"	O	11-5		1							1																			
Maple	O11	8/21/12		10'10"	O	11-5A		1																										
S. Richards	O11	8/21/12		6'1"	O	11-6		1							1																			
Ashley	O11	8/8/12	1		O	11-10		1							1								1											
S. Richards	O11	8/8/12		6'5"	O	11-11		1						1																				
W. South	O11	8/21/12		4'5"	O	11-15		1																										
W. South	O11	8/21/12	1		O	11-17		1							1									1										
E. Sevier	O11	8/8/12		5'10"	O	11-31		1						1																				
Conway	O11	8/8/12	1		O	11-38		1							1									1										
E. Sevier	O11	8/8/12	1		O	11-39		1							1									1										
E. Sevier	O11	8/8/12		4'9"	O	11-41		1						1																				
E. Sevier	O11	8/8/12		5'2"	O	11-41A		1						1																				
Market	O11	8/21/12		4'2"	O	11-42		1						1																				
Market	O11	8/21/12		4'4"	O	11-43		1						1																				
Market	O11	8/21/12		10'6"	O	11-44		1						1																				
Conway	O11	8/8/12		3'5"	O	11-45		1							1									1										
S. Main	O11	8/21/12		3'9"	O	11-46		1						1																				
S. Main	O11	8/21/12		13'7"	O	11-47		1						1																				
S. Main	O11	8/21/12		14'0"	O	11-48		1							1																			
S. Main	O11	4/9/13		8'8"	O	11-48A		1															1						04/09/13					1
W.South&Market	O11	8/21/12		5'7"	O	11-49		1						1																				
Market	O11	8/21/12		3'11"	O	11-50		1						1																				
W. South	O11	8/21/12		4'10"	O	11-51		1						1																				
W. South	O11	8/21/12		5'7"	O	11-52		1							1																			
River St.	O11	8/8/12		5'2"	O	11-53		1																										
S. Main	O11	8/21/12		5'1"	O	11-55		1						1																				
Ashley	O11	8/8/12		4'4"	O	11-54		1						1																				

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementious Lining			
Market	O11	8/21/12		4'2"	O 11-56		1				1																							
River St.	O11	8/8/12		7'10"	O 11-57		1				1																							
River St.	O11	8/8/12		6'1"	O 11-58		1				1																							
Smith	O11	8/21/12		7'2"	O 11-59		1				1																							
S. Main	O11	8/21/12	1		O 11-60		1							1				1																
S. Main	O11	8/21/12		7'7"	O 11-60A		1						1				1																	
Market	O11	8/21/12	1		O 11-61									1					1															
UALR	O11	8/21/12	1		O 11-62		1							1						1														
River St.	O11	8/21/12		6'3"	O 11-63		1				1																							
River St.	O11	8/8/12		5'9"	O 11-64		1				1																							
Carter	O11	8/8/12		7'3"	O 11-65		1				1																							
Smith	O11	8/8/12	1		O 11-66		1							1						1														
UALR	O11	8/21/12		4'6"	O 66A					1	1																							
Ashley	O11	8/8/12		6'1"	O 11-68		1				1																							
Smith	O11	8/21/12		4'5"	O 11-69			1			1																							
Ashley	O11	8/8/12		4'11"	O 11-70		1				1																							
S. East	012	8/21/12		7'10"	O 12-1		1				1																							
S. East	012	8/21/12		4'7"	O 12-9		1				1																							
S. East	012	8/21/12		4'9"	O 12-15		1				1																							
S. East	012	8/21/12		2'10"	O 12-21		1				1																							
Fourth	012	8/22/12	1		O 12-26					1				1																				
E. Sevier	012	8/22/12		3'4"	O 12-27					1			1			1	1				1													
E. Sevier	012	8/22/12		6'10"	O 12-34		1				1																							
Princeton	012	8/22/12		6'5"	O 12-36					1			1												1									
Park Lane	013	8/7/12	1		O 13-1		1							1							1													
Park Lane	013	8/7/12		5'11"	O 13-2		1						1				1																	
Hoover	013	8/7/12		5'0"	O 13-2A		1				1																							
Hoover	013	8/7/12		6'4"	O 13-3		1						1													1								
Tyndall Park	013	8/7/12		13'4"	O 13-4					1	1																							
Border St.	013	8/7/12		9'1"	O 13-5		1				1																							
School Drive	013	8/7/12		4'5"	O 13-6					1	1																							
School Drive	013	8/7/12		5'4"	O 13-7					1	1																							
Cox	013	8/7/12		6'4"	O 13-8		1				1																							
Border St.	013	8/7/12	1		O 13-9		1							1							1													
Border St.	013	8/7/12	1		O 13-10		1							1							1													

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementitious Lining						
School Drive	013	8/7/12		7'2"	O	13-11					1		1																								
School Drive	013	8/7/12		6'9"	O	13-12	1							1				1																			
Tyndall Park	013	8/7/12		3'11"	O	13-13					1	1																									
Tyndall Park	013	8/7/12		8'1"	O	13-13A					1	1																									
E. Sevier	013	8/7/12		8'0"	O	13-14					1	1																									
Border	013	8/7/12		5'1"	O	13-15	1						1																								
E. Sevier	013	8/7/12		9'6"	O	13-16					1			1				1																			
E. Sevier	013	8/7/12		5'3"	O	13-17					1		1					1																			
E. Sevier	013	8/7/12		8'6"	O	13-17A					1	1																									
E. Sevier	013	7/24/12		6'10"	O	13-18	1					1																									
Second	013	7/24/12		8'5"	O	13-18A	1					1																									
Border Circle	013	8/7/12		5'8"	O	13-20					1	1																									
Border St.	013	8/7/12		4'11"	O	13-21	1						1					1																			
Border St.	013	8/7/12	1		O	13-21A									1				1																		
Border St.	013	8/7/12		5'5"	O	13-22	1					1																									
Border St.	013	8/7/12		8'11"	O	13-23	1					1																									
School Drive	013	8/7/12		4'2"	O	13-24	1					1																									
School Drive	013	8/7/12		3'5"	O	13-25	1					1																									
School Drive	013	8/7/12		3'8"	O	13-26	1					1																									
Village Drive	013	8/7/12		5'10"	O	13-32					1			1					1																		
Shirewood Court	013	8/6/12		5'4"	O	13-35					1	1																									
Shirewood Court	013	4/11/13		5'10"	O	13-35A					1	1							1																		
Shirewood Court	013	8/6/12		5'3"	O	13-35B					1	1																									
Winstone Avenue	013	8/6/12		5'7"	O	13-36					1	1																									
Cobblestone Court	013	8/6/12		4'9"	O	13-37					1	1																									
Winstone Avenue	013	4/11/13		6'	O	13-38					1	1								1																	
Winstone Avenue	013	4/11/13		6'2"	O	13-39					1	1								1																	
Winstone Avenue	013	8/6/12		6'5"	O	13-39A					1	1																									
Baywood Court	013	8/6/12		4'8"	O	13-40					1	1																									
Cox	013	8/6/12		3'8"	O	13-41	1							1					1																		
Cox	013	8/3/12		5'1"	O	13-42					1	1																									
Cox	013	4/11/13		4'8"	O	13-42A					1	1								1																	
Cox	013	8/6/12		5'3"	O	13-43	1					1																									
Village Drive	013	8/7/12		5'7"	O	13-44					1	1																									
Village Drive	013	8/7/12		4'0"	O	13-45					1	1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed													
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining												
Village Drive	013	8/7/12		4'6"	O	13-46					1		1																															
Village Drive	013	8/7/12	1		O	13-47					1																																	
Village Drive	013	8/7/12		4'6"	O	13-48					1		1																															
Village Drive	013	8/7/12		4'3"	O	13-49					1																																	
Hazel	P11	8/13/12		7'2"	P	11-1					1																																	
Hazel	P11	8/13/12		6'7"	P	11-2					1																																	
Hazel	P11	8/13/12		4'6"	P	11-3					1																																	
S. Richards	P11	8/13/12		7'3"	P	11-5					1																																	
S. Richards	P11	8/13/12		5'10"	P	11-6						1			1																													
Hazel	P11	8/13/12		5'4"	P	11-7						1			1																													
Hazel	P11	8/13/12		4'8"	P	11-7A						1			1																													
Burton	P11	8/8/12		11'7"	P	11-8						1			1																													
Burton	P11	8/8/12		10'8"	P	11-9						1			1																													
Burton	P11	8/8/12		5'11"	P	11-10							1																															
S. Richards	P11	8/8/12		4'3"	P	11-13								1																														
Westbrook	P11	8/8/12		12'10"	P	11-14						1			1																													
Parker	P11	8/8/12		3'2"	P	11-15							1																															
Parker	P11	8/8/12		14'10"	P	11-16								1																														
River St.	P11	8/8/12		20'9"	P	11-18									1																													
Jackman	P11	8/8/12		5'3"	P	11-19										1																												
Jackman	P11	8/8/12		14'9"	P	11-20							1																															
S. Richards	P11	8/8/12		11'8"	P	11-22										1																												
River St.	P11	8/13/12		24'9"	P	11-23								1																														
River St.	P11	8/13/12		25'4"	P	11-24							1																															
S. Richards	P11	8/8/12		10'1"	P	11-25								1																														
Pine	P11	8/8/12	1		P	11-27																																						
Pine	P11	8/8/12		4'8"	P	11-08								1																														
Pine	P11	8/8/12	1		P	11-29																																						
White	P11	8/8/12		6'1"	P	11-31										1																												
White	P11	8/8/12		7'0"	P	11-32										1																												
Pine	P11	4/12/13		4'7"	P	11-33																																						
Pine	P11	8/8/12	1		P	11-34																																						
Pine	P11	8/8/12		5'0"	P	11-35																																						
Pearl	P11	8/8/12		8'8"	P	11-36										1																												
S. Market	P11	8/13/12		4'4"	P	11-37																																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim								
S. Main	P11	8/13/12		4'10"	P	11-39	1												1										
S. Main	P11	8/13/12		4'5"	P	11-40	1													1									
S. Market	P11	4/12/13		3'2"	P	11-41	1				1														04/12/13				1
S. Main	P11	8/13/12		3'6"	P	11-42	1				1																		
Pearl	P11	8/13/12		4'11"	P	11-43	1				1																		
Pearl	P11	8/8/12		4'0"	P	11-44	1				1																		
Pearl	P11	8/8/12		7'6"	P	11-45	1				1																		
Elm	P11	8/13/12		3'0"	P	11-46	1				1																		
S. Market	P11	8/13/12		4'4"	P	11-47	1				1																		
S. Main	P11	8/13/12		4'9"	P	11-48	1				1																		
W. Walnut	P11	8/13/12	1		P	11-49									1														
S. Main	P11	8/13/12		5'3"	P	11-50	1						1																
S. Market	P11	8/13/12		7'2"	P	11-51	1						1																
Pearl	P11	8/8/12		7'7"	P	11-52A	1				1																		
Pearl	P11	8/8/12		5'1"	P	11-52	1				1																		
Hazel	P11	8/13/12		5'11"	P	11-55	1				1																		
Market	P11	8/13/12		6'11"	P	11-56	1				1																		
S. Market	P11	8/13/12		5'11"	P	11-57	1				1																		
Hazel	P11	8/8/12		6'9"	P	11-58	1				1																		
Walnut	P11	8/8/12	1		P	11-60								1															
Walnut	P11	8/8/12	1		P	11-61								1															
Walnut	P11	8/8/12		18'7"	P	11-62	1				1																		
Gaunt	P11	8/5/12		18'3"	P	11-63	1				1																		
S. Richards	P11	8/8/12		5'10"	P	11-64	1				1																		
S. Richards	P11	8/8/12	1		P	11-65	1								1														
Gaunt	P11	8/13/12		4'8"	P	11-66	1				1																		
River St.	P11	8/13/12		6'3"	P	11-67	1				1																		
Jackman	P11	8/8/12		4'2"	P	11-68	1				1																		
Gaunt	P11	8/8/12		7'0"	P	11-69	1				1																		
Jackman	P11	8/8/12		6'1"	P	11-70	1				1																		
Jackman	P11	8/8/12		6'5"	P	11-71	1				1																		
Hazel	P12	8/14/12		8'2"	P	12-1				1									1										
S. East	P12	8/14/12		9'6"	P	12-2				1	1																		
S. East	P12	8/14/12		9'8"	P	12-3	1				1																		
S. East	P12	8/14/12		8'10"	P	12-4	1				1																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
					P	12-6	Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension									Cementitious Lining				
S. East	P12	8/14/12		9'2"	P	12-6					1	1																								
Off Edison	P12	8/14/12		8'7"	P	12-9					1	1																								
S. East	P12	8/21/12		4'8"	P	12-10		1						1				1																		
S. East	P12	8/21/12		5'6"	P	12-11		1				1																								
Edison	P12	8/14/12		8'3"	P	12-12		1				1																								
Pearson	P12	8/14/12		7'6"	P	12-13		1				1																								
Edison	P12	8/14/12		8"0"	P	12-14		1				1																								
Edison	P12	8/21/12		12'10"	P	12-16		1				1																								
First	P12	8/14/12		5'9"	P	12-18		1						1																						
S. East	P12	8/21/12		2'8"	P	12-20		1				1																								
First	P12	8/14/12		6'4"	P	12-22		1						1																						
First	P12	8/14/12	1		P	12-23		1							1																					
Maple	P12	8/14/13		4'3"	P	12-24		1				1																								
Maple	P12	8/14/12		5'11"	P	12-25		1				1																								
Maple	P12	8/14/12		4'5"	P	12-27		1				1																								
S. East	P12	8/21/12	1		P	12-28		1						1																						
Second	P12	8/14/12		8'8"	P	12-30		1				1																								
Schley	P12	8/14/12		6'7"	P	12-31		1				1																								
Third	P12	8/14/12		12'7"	P	12-32		1				1																								
Fourth	P12	8/14/12		7'3"	P	12-33		1				1																								
Columbia	P12	8/15/12		5'1"	P	12-34		1				1																								
Second	P12	8/14/12		4'2"	P	12-35		1				1																								
Fifth	P12	8/14/12		6'2"	P	12-37		1				1																								
Columbia	P12	8/15/12		4'11"	P	12-39		1				1																								
Columbia	P12	8/15/12		6'10"	P	12-40		1				1																								
Edison	P12	8/15/12		6'5"	P	12-41		1				1																								
Neeley	P12	8/14/12		8'0"	P	12-42		1				1																								
Park Lane	P12	8/14/13		8'0"	P	12-42A					1	1				1																				
Neeley	P12	8/14/12		5'4"	P	12-43		1				1																								
Schley	P12	8/15/12		10'11"	P	12-43A		1				1																								
Columbia	P12	8/15/12		6'3"	P	12-44		1				1																								
Edison	P12	4/17/13		11'4"	P	12-46		1				1							1							04/17/13									1	
Neeley	P12	8/21/12		11'8"	P	12-47		1				1																								
Edison	P12	4/16/13		9'2"	P	12-48		1				1														04/16/13										
Edison	P12	8/21/12		9'5"	P	12-49		1				1																								

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Cover Replaced	Roots Removed	Rim Raised	Extension or Rim Sealed	Lining Completed			
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	LOW	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementitious Lining	
Edison	P12	8/21/12		4'6"	P	12-50	1					1																				
Edison	P12	8/21/12		7'2"	P	12-52	1					1																				
Neeley	P12	8/14/12		13'3"	P	12-53						1																				
Center	P12	8/14/12		4'5"	p	12-53A	1						1																			
Center	P12	8/14/12		9'2"	p	12-53B	1							1						1												
Edison	P12	8/14/12		11'0"	P	12-54						1		1																		
Edison	P12	8/14/12		9'6"	P	12-55						1		1																		
Second	P12	8/14/12		8'10"	P	12-56						1		1																		
Second	P12	8/14/12		12'3"	p	12-57						1		1																		
Second	P12	8/14/12		6'1"	P	12-58							1	1																		
Second	P12	8/14/12		8'8"	P	12-58A						1		1																		
Second	P12	8/14/12		5'11"	P	12-58B							1	1																		
Second	P12	8/14/12		7'10"	P	12-62						1		1																		
Second	P12	8/14/12		8'2"	P	12-63						1		1																		
Maple	P12	8/14/12		6'4"	P	12-63A							1	1																		
Second	P12	8/14/12		8'4"	P	12-64						1		1																		
S. East	P12	8/15/12		8'8"	P	12-65							1	1																		
S. East	P12	8/15/12		5'9"	P	12-66							1	1																		
Wassau Plant	P12	8/14/12		5'5"	P	12-67							1	1																		
Stewart&Palm	P12	8/15/12		5'1"	P	12-68								1																		
Neeley	P12	8/15/12		4'10"	P	12-69							1	1																		
Palm/Neeley	P12	8/15/12		4'6"	P	12-70							1	1																		
Center	P12	8/15/12		7'3"	P	12-71	1							1																		
Edison	P12	8/21/12		7'8"	P	12-72	1							1																		
Edison	P12	4/16/13		11'1"	P	12-73						1		1						1								04/16/13				
Colombia	P12	8/15/12		5'2"	P	12-74	1							1																		
Schley	P12	8/15/12		8'7"	P	12-75	1							1																		
Park	P12	8/15/12		8'5"	P	12-76	1							1																		
Railroad	P13	8/15/12		10'1"	P	13-1								1																		
Gray	P13	8/22/12		7'9"	P	13-1A	1							1																		
Gray	P13	8/22/12		10'3"	P	13-2							1	1																		
Gray	P13	8/22/12		6'0"	P	13-4							1	1																		
Gray	P13	8/22/12		5'11"	p	13-5	1							1																		
Border	P13	8/22/12		9'5"	P	13-6	1							1																		
Teakwood	P13	8/22/12		9'1"	P	13-6A							1	1																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining									
Normandy	P13	8/22/12		7'11"	P	13-6B					1			1																	
Edison	P13	8/21/12		11'5"	P	13-12	1							1								1									
Edison	P13	8/21/12		10'11"	P	13-14	1							1																	
Edison	P13	8/21/12		11'2"	P	13-15	1							1																	
Edison	P13	8/21/12		7'5"	P	13-16	1							1																	
Edison	P13	8/22/12		10'9"	p	13-17	1							1																	
Edison	P13	8/22/12		10'5"	P	13-18	1							1																	
Edison	P13	8/21/12		17'9"	P	13-19	1							1																	
Schely	P13	8/15/12		5'8"	P	13-21	1							1																	
Schley	P13	8/15/12		4'10"	P	13-22				1				1																	
Schley	P13	8/15/13		6'7"	P	13-23				1				1			1														
Cox	P13	8/15/12		13'9"	P	13-24	1							1																	
Edison	P13	8/21/12		7'6"	P	13-25	1							1																	
Edison	P13	8/21/12		6'8"	P	13-25A	1							1																	
Edison	P13	8/21/12		10'3"	P	13-26	1							1																	
Border	P13	8/15/12		4'11"	P	13-27	1							1																	
Border	P13	8/15/12		5'11"	P	13-28	1							1																	
Cherry	P13	8/15/12		5'3"	p	13-29	1							1																	
Cherry	P13	8/15/12		4'7"	P	13-30	1							1																	
Cox	P13	8/15/12		5'8"	P	13-31	1							1																	
Gibson	P13	8/15/12		5'0"	P	13-32	1							1																	
Columbia	P13	8/15/12		3'4"	P	13-33	1							1																	
Columbia	P13	8/15/12		2'10"	P	13-33A	1							1																	
Cox	P13	8/15/12		9'4"	P	13-34	1							1																	
Gibson	P13	8/15/12		5'4"	P	13-35	1							1																	
Sidell	P13	8/15/12		6'10"	P	13-37				1				1																	
Sidell	P13	8/15/12		10'9"	P	13-37A			1					1																	
Sidell	P13	8/15/12		11'	P	13-37B	1							1																	
Gibson	P13	8/15/12		5'1"	P	13-38	1							1																	
Algood	P13	8/15/12		4'11"	P	13-40	1							1																	
Hudson	P13	8/15/12		1'2"	P	13-41	1							1																	
Algood	P13	8/15/12		4'8"	P	13-42	1							1																	
Edison	P13	8/21/12		8'8"	P	13-43	1							1																	
Sidell	P13	8/15/12		6'1"	P	13-45	1							1																	
Edison	P13	8/22/12		19'	P	13-46	1							1																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementitious Lining							
Edison	P13	8/22/12		19'10"	P	13-48				1			1																										
Gray	P13	8/22/12		7'10"	P	13-49		1					1																										
Edison	P13	8/22/12		8'1"	P	13-50				1			1																										
Edison	P13	8/21/12		8'8"	p	13-51				1			1																										
Edison	P13	8/21/12		6'4"	p	13-51A		1					1																										
Sidell	P13	8/15/12	1		P	13-36				1						1																							
Railroad	P13	8/15/12		9'	P	13-56				1			1																										
Railroad	P13	8/15/12		9'2"	P	13-57				1			1																										
Gray	P13	8/22/12		8'1"	P	13-58		1					1																										
Gray	P13	8/22/12		8'4"	P	13-59		1					1																										
Border	P13	8/22/12		9'10"	P	13-60		1					1																										
Border	P13	8/21/12		10'4"	P	13-61		1					1																										
Edison	P13	8/22/12		8'2"	P	13-66						1	1																										
Railroad	P13	8/15/12		9'10"	P	13-66A					1		1																										
Railroad	P13	8/15/12		10'	P	13-66B					1		1																										
Cox	P13	8/15/12	1		P	13-67				1						1																						1	
Cox	P13	8/15/12	1		P	13-68		1								1																						1	
Edison	P13	8/15/12	1		P	13-69						1				1																						1	
Edison	P13	8/15/12		14'4"	P	13-70					1		1																										
Sidell	P13	8/15/12		14'0"	P	13-71				1			1																										
River St.	Q10	8/22/12		7'2"	Q	10-1		1					1																										
Mary Kay	Q10	8/22/12		8'7"	Q	10-1A		1					1																										
River St.	Q10	8/22/12		7'9"	Q	10-2		1					1																										
River St.	Q10	8/22/12		6'2"	Q	10-3		1					1																										
River St.	Q10	8/22/12		4'9"	Q	10-3A					1		1																										
River St.	Q10	8/22/12		5'9"	Q	10-4		1					1																										
River St.	Q10	8/22/12		8'5"	Q	10-4A				1			1																										
River St.	Q10	8/22/12		8'7"	Q	10-5					1		1																										
River St.	Q10	4/17/13		9'	Q	10-5A				1			1																										
River St.	Q10	8/22/12		17'2"	Q	10-6					1		1																										
River St.	Q10	8/22/12		19'8"	Q	10-7					1		1																										
River St.	Q10	8/22/12		19'2"	Q	10-7A				1			1																										
River St.	Q10	4/17/13		14'	Q	10-8					1					1																					04/17/13		1

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed	
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining									
River St.	Q10	4/17/13		2'10"	Q	10-9						1		1						Cap ped	off												
River St.	Q10	8/22/12		13'11"	Q	10-11						1		1																			
River St.	Q10	8/22/12		15'2"	Q	10-11A						1		1																			
River St.	Q10	8/22/12		6'4"	Q	10-12						1		1																			
River St.	Q10	8/22/12		7'2"	Q	10-23						1		1																			
Willow	Q11	8/23/12		7'10"	Q	11-10						1		1																			
Market	Q11	8/22/12		8'10"	Q	11-11						1		1																			
Market	Q11	8/23/12		7'3"	Q	11-11A						1		1																			
Market	Q11	8/23/12		7'	Q	11-11B						1		1																			
Willow	Q11	8/23/12		9'8"	Q	11-12						1		1																			
Willow	Q11	4/17/13		5'7"	Q	11-13						1		1																			
Willow	Q11	8/23/12		5'3"	Q	11-17						1		1																			
Market	Q11	8/22/12		8'5"	Q	11-18						1									1												
Willow	Q11	8/22/12		4'3"	Q	11-20						1		1																			
Johnson	Q11	8/23/12		7'5"	Q	11-20A						1		1																			
Johnson	Q11	8/23/12		4'0"	Q	11-20B						1		1																			
Willow	Q11	8/22/12		4'4"	Q	11-21						1		1																			
Willow	Q11	8/22/12		6'0"	Q	11-22						1		1																			
East	Q11	8/23/12		10'9"	Q	11-22A						1		1																			
East	Q11	4/17/13		6'9"	Q	11-22B						1		1																			
Willow	Q11	8/23/12		7'1"	Q	11-38						1		1																			
Willow	Q11	4/17/13		6'2"	Q	11-38A						1		1																			
Willow	Q11	4/17/13		6'	Q	11-38B						1		1																			
Willow	Q11	8/23/12		7'8"	Q	11-39						1		1																			
River St.	Q11	8/22/12		14'7"	Q	11-40						1		1																			
Willow	Q11	8/23/12		7'2"	Q	11-41						1		1																			
Willow	Q11	4/17/13		6'10"	Q	11-42						1		1																			
River St.	Q11	8/22/12		14'2"	Q	11-43						1		1																			
Willow	Q11	8/23/12		8'1"	Q	11-44						1		1																			
Market	Q11	4/17/13		6'8"	Q	11-45						1		1																			
Market	Q11	4/17/13		5'2"	Q	11-46						1		1																			
Market	Q11	8/22/12		4'1"	Q	11-47						1		1																			
Market	Q11	8/22/12		2'2"	Q	11-48						1		1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining				
Market	Q11	8/22/12		2'1"	Q 11-49					1		1																							
Market	Q11	8/22/12		2'3"	Q 11-50					1		1																							
Market	Q11	8/22/12		2'3"	Q 11-51					1		1																							
Market	Q11	8/22/12		2'5"	Q 11-52					1		1																							
Market	Q11	8/22/12		2'1"	Q 11-53					1		1																							
Market	Q11	8/22/12		4'11"	Q 11-54					1		1																							
Market	Q11	8/22/12		14'5"	Q 11-55				1			1																							
Market	Q11	8/22/12		13'4"	Q 11-56					1		1																							
Willow	Q12	8/23/12		5'2"	Q 12-4		1							1																					
East	Q12	8/23/12		6'3"	Q 12-5		1							1																					
East	Q12	8/23/12		8'4"	Q 12-6		1									1																			
Palm	Q12	8/23/12		7'4"	Q 12-7		1																												
Palm	Q12	8/23/12		9'10"	Q 12-8		1																												
Clark	Q12	4/22/13		9'5"	Q 12-8A		1																												
Palm	Q12	8/23/12		6'5"	Q 12-10		1																												
Webster	Q12	8/23/12		3'7"	Q 12-11		1																												
Palm	Q12	4/22/13		4'11"	Q 12-12						1		1																						
Second	Q12	8/24/12		15'6"	Q 12-13																														
Second	Q12	4/22/13		15'1"	Q 12-13A																														
Second	Q12	4/22/13		12'	Q 12-14						1		1																						
Second	Q12	8/23/12		12'4"	Q 12-15						1		1																						
Willow	Q12	4/22/13		5'6"	Q 12-16		1																												
Willow	Q12	8/23/12		5'6"	Q 12-17		1																												
Willow	Q12	4/22/13		5'4"	Q 12-18		1									1													04/22/13						1
Stewart	Q12	8/23/12		12'5"	Q 12-19		1																												
Willow	Q12	8/23/12		5'2"	Q 12-20						1		1																						
Palm	Q12	4/22/13		9'7"	Q 12-21							1																							
Palm	Q12	8/24/12		5'6"	Q 12-22									1																					
Palm	Q12	8/24/12		5'0"	Q 12-23									1																					
Palm	Q12	8/24/12		9'3"	Q 12-24								1																						
Palm	Q12	4/22/13		9'5"	Q 12-24A							1																	04/22/13						1
Palm	Q12	4/22/13		9'6"	Q 12-24N							1																	04/22/13						1
Palm	Q12	8/23/12		8'4"	Q 12-26						1		1																						
Palm	Q12	4/22/13		4'7"	Q 12-26A							1																							
Palm	Q12	4/22/13		10'	Q 12-27							1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining							
Neeley	Q12	4/22/13		9'8"	Q	12-28					1	1																										
Neeley	Q12	8/24/12		12'9"	Q	12-29		1						1						1																		
Palm	Q12	4/22/13		12'5"	Q	12-31		1											1																			
Palm	Q12	8/24/12		12'3"	Q	12-32		1						1						1																		
Gravel	Q12	8/24/12		8'2"	Q	12-34		1																														
Cedar	Q12	8/24/12		12'1"	Q	12-35						1	1																									
Central	Q12	8/24/12		7'6"	Q	12-36		1																														
Neeley	Q12	8/24/12		10'10"	Q	12-37		1																														
Neeley	Q12	8/24/12		7'10"	Q	12-38						1																										
Central	Q12	8/24/12		9'1"	Q	12-40		1																														
Central	Q12	8/24/12		8'11"	Q	12-41		1																														
Liberty	Q12	8/24/12		5'6"	Q	12-43		1																														
Liberty	Q12	4/22/13		5'7"	Q	12-44		1																														
Liberty	Q12	8/24/12		5'7"	Q	12-44A		1																														
Reed	Q12	4/22/13		12'11"	Q	12-45						1	1																									
Reed	Q12	8/24/12		13'3"	Q	12-46		1																														
Reed	Q12	8/24/12		6'7"	Q	12-47		1																														
Reed	Q12	8/24/12		10'2"	Q	12-48		1																														
Reed	Q12	4/22/13		7'9"	Q	12-49		1																														
Central	Q12	4/22/13		9'3"	Q	12-50		1																														
Liberty	Q12	8/24/12		10'5"	Q	12-51		1																														
Reed	Q12	8/24/12		8'8"	Q	12-52		1																														
Liberty	Q12	8/24/12		4'9"	Q	12-53		1																														
Stewart	Q12	8/24/12		5'1"	Q	12-54		1																														
Reed	Q12	8/24/12		6'2"	Q	12-55		1																														
Reed	Q12	4/25/13		14'2"	Q	12-56							1																									
Liberty	Q12	8/24/12		5'8"	Q	12-57		1																														
Liberty	Q12	8/24/12		4'11"	Q	12-57A		1																														
Ridge	Q12	8/24/12		14'5"	Q	12-58		1																														
Neeley	Q12	8/24/12		14'11"	Q	12-59		1																														
Cedar	Q12	4/23/13		9'1"	Q	12-61		1																														
Cedar	Q12	4/23/13		8'11"	Q	12-62		1																														
Stewart	Q12	8/24/12		5'4"	Q	12-63		1																														
Gum	Q12	4/25/13		7'4"	Q	12-64		1																														
Gum	Q12	8/24/12		6'3"	Q	12-65		1																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement													
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim	Seal Rim or Extension	Cementitious Lining	Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised
Johnson	Q12	8/24/12		5'2"	Q	12-66		1					1																
Dixie	Q12	8/23/12		10'10"	Q	12-67		1					1																
Johnson	Q12	8/23/12		14'9"	Q	12-68		1					1																
Dixie	Q12	4/25/13		5'6"	Q	12-69		1					1																
Dixie	Q12	8/23/12		5'3"	Q	12-69A		1					1																
Reed	Q12	8/23/12		5'9"	Q	12-70						1	1																
Reed	Q12	4/25/13		5'4"	Q	12-70A					1	1																	
Johnson	Q12	8/23/12		11'1"	Q	12-71		1					1																
East	Q12	8/23/12		7'2"	Q	12-74		1					1																
Reed	Q12	4/25/13		7'5"	Q	12-75		1					1																
Dixie	Q12	4/25/13		13'2"	Q	12-77		1					1																
Dixie	Q12	8/23/12		12'6"	Q	12-78		1						1		1					1								
Reed	Q12	8/24/12		4'4"	Q	12-79		1					1																
Reed	Q12	8/24/12		4'5"	Q	12-80		1					1																
Reed	Q12	8/24/12		5'8"	Q	12-81		1					1																
Hill	Q12	8/23/12		7'4"	Q	12-82		1						1		1													
Hill	Q12	4/23/13		7'	Q	12-83		1					1																
Stewart	Q12	4/17/13		6'9"	Q	12-84					1	1																	
Clark	Q12	8/23/12		5'9"	Q	12-85		1						1		1													
Clark	Q12	8/23/12		4'5"	Q	12-85A		1						1															
Clark	Q12	8/23/12		8'2"	Q	12-85B					1			1		1					1								
Clark	Q12	4/23/13		3'7"	Q	12-86		1					1																
Clark	Q12	8/23/12		4'0"	Q	12-87		1					1																
East	Q12	8/23/12		7'6"	Q	12-88		1					1																
S. Railroad Ave.	Q13	4/23/13		7'8"	Q	13-22					1	1																	
S. Railroad Ave.	Q13	4/23/13		7'6"	Q	13-23					1	1																	
S. Railroad Ave.	Q13	4/23/13		7'2"	Q	13-24					1	1																	
S. Railroad Ave.	Q13	4/23/13		6'5"	Q	13-25					1	1																	
S. Railroad Ave.	Q13	4/25/13		5'11"	Q	13-26					1	1																	
S. Railroad Ave.	Q13	4/25/13		6'11"	Q	13-36					1	1																	
S. Railroad Ave.	Q13	4/25/13		6'7"	Q	13-37					1	1																	
S. Railroad Ave.	Q13	4/25/13		6'9"	Q	13-38					1	1																	
S. Railroad Ave.	Q13	4/25/13		9'6"	Q	13-42					1	1																	
S. Railroad Ave.	Q13	4/25/13		9'8"	Q	13-43					1	1																	
River St.	R10	8/23/12		5'7"	R	10-2		1					1																

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab									Raise Rim	Seal Rim or Extension	Cementitious Lining						
River St.	R10	8/23/12		6'0"	R	10-3	1					1																									
River St.	R10	8/23/12		8'1"	R	10-4	1					1																									
River St.	R10	8/23/12		11'0"	R	10-5	1					1																									
Bradbury	R10	8/23/12		7'2"	R	10-6					1	1																									
Bradbury	R10	8/23/12		4'4"	R	10-7					1			1		1								1													
River St.	R10	8/23/12		11'8"	R	10-8	1					1																									
River St.	R10	8/23/12		7'7"	R	10-9	1					1																									
River St.	R10	8/23/12		7'1"	R	10-10	1					1																									
River St.	R10	4/25/13		6'10"	R	10-11	1					1																									
Dale	R10	8/23/12		3'11"	R	10-12	1							1		1																					
River St.	R10	8/23/12		5'11"	R	10-13					1					1																					
River St.	R10	8/23/12		5'11"	R	10-14					1					1																					
Bradshaw	R10	8/23/12		4'11"	R	10-14A					1					1																					
River St.	R10	8/23/12		7'0"	R	10-16	1					1																									
River St.	R10	8/23/12		7'2"	R	10-17	1					1																									
River St.	R10	4/25/13		6'10"	R	10-17A	1					1																									
W. Hillside	R11	8/24/12		5'9"	R	11-1	1					1																									
W. Hillside	R11	8/24/12		5'5"	R	11-2	1					1																									
W. Hillside	R11	8/24/12		6'4"	R	11-3	1					1																									
S. Richards	R11	8/24/12		7'9"	R	11-4					1																										
W. Hillside	R11	4/25/13		6'3"	R	11-5					1																										
W. Hillside	R11	4/25/13		4'5"	R	11-5A					1																										
S. Richards	R11	8/24/12		4'4"	R	11-6					1																										
S. Richards	R11	4/25/13		6'10"	R	11-7	1					1																									
S. Richards	R11	8/24/12		7'2"	R	11-8	1							1																							
W. Woodlawn	R11	8/24/12		5'11"	R	11-9	1					1																									
W. Woodlawn	R11	8/24/12		6'0"	R	11-10	1					1																									
S. Richards	R11	8/24/12		5'1"	R	11-11					1																										
W. Woodlawn	R11	8/24/12		6'4"	R	11-12	1					1																									
W. Woodlawn	R11	8/24/12		8'3"	R	11-13	1					1																									
S. Market	R11	8/24/12		6'6"	R	11-14					1																										
1811 S. Market	R11	8/24/12		4'7"	R	11-15					1																										
S. Market	R11	8/24/12		4'0"	R	11-16					1																										
S. Market	R11	8/24/12		5'7"	R	11-17	1					1																									
Thompson St.	R11	8/24/12		4'6"	R	11-19						1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab	Raise Rim									Seal Rim or Extension	Cementitious Lining					
Thompson St.	R11	8/24/12		6'9"	R	11-20					1																									
Thompson St.	R11	8/24/12		8'5"	R	11-21					1		1																							
Valley	R11	8/23/12		5'2"	R	11-22		1					1																							
Valley	R11	8/23/12		4'9"	R	11-22A		1					1																							
Market	R11	8/24/12		13'4"	R	11-23							1																							
Market	R11	8/24/12		9'7"	R	11-24							1																							
Market	R11	8/24/12		11'4"	R	11-25			1																											
Market	R11	4/17/13		9'6"	R	11-26				1																										
W. Woodlawn	R11	8/24/12		7'2"	R	11-28		1																												
Hope Lane	R11	8/24/12		5'7"	R	11-29						1																								
Hope Lane	R11	8/24/12		5'8"	R	11-30						1																								
Glory Cove	R11	8/24/12		6'8"	R	11-31						1																								
Glory Cove	R11	8/24/12		6'0"	R	11-32						1																								
Glory Cove	R11	8/24/12		4'8"	R	11-33						1																								
E. Woodlawn	R12	8/22/12		5'7"	R	12-3		1																												
Woodlawn	R12	8/22/12		7'5"	R	12-4						1																								
Dixie	R12	4/17/13		9'	R	12-6				1																										
Little	R12	8/22/12		2'5"	R	12-7						1																								
Grove	R12	8/22/12		2'0"	R	12-8						1																								
Little	R12	8/22/12		4'4"	R	12-9		1																												
Dixie	R12	8/22/12		12'4"	R	12-10		1						1																						
Dixie	R12	8/22/12		15'7"	R	12-11								1																						
Thompson St.	R12	8/22/12		6'10"	R	12-13						1																								
Thompson St.	R12	8/22/12		4'10"	R	12-14						1																								
Thompson St.	R12	8/22/12		4'4"	R	12-15						1																								
Thompson St.	R12	8/22/12		4'4"	R	12-16						1																								
Thompson St.	R12	4/17/13		4'9"	R	12-17						1																								
Valley	R12	8/23/12		5'0"	R	12-19		1																												
Valley	R12	8/23/12		8'6"	R	12-20		1																												
Valley	R12	8/23/12		7'4"	R	12-21		1						1																						
Dixie	R12	8/22/12		8'10"	R	12-21A		1																												
Thompson St.	R12	8/22/12		10'10"	R	12-22		1																												
Thompson St.	R12	8/22/12		3'10"	R	12-23						1																								
Dixie	R12	8/22/12		16'9"	R	12-24						1																								
Gum	R12	8/22/12	1		R	12-29																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed				
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Lid/Outside Rehab								Raise Rim	Seal Rim or Extension	Cementitious Lining	
Totals						4	344	4	20	160		461	4	165		35	0	51	18	18	46	2	58		0	0	0	0	16	0	0

Total No. Manholes 565

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Concrete Replace									Raise Rim	Seal Rim or Extension	Cementitious Lining		
Reed	Q13	9/7/11		3'9.5"	Q13					1							1					1											
Ridge Rd & Crest	Q13	9/9/11		5'5"	Q13	1								1			1																
Reed	Q13	9/12/11		8'5"	Q13	1A					1																						
Ridge Road	Q13	9/9/2011	1		Q13	2						1										1											
Reed	Q13	9/12/2011		7'0"	Q13	3										1						1											
Reed & Concord	Q13	9/12/2011		8'10"	Q13	4		1								1								1									
922 Reed	Q13	9/9/2011	1		Q13	5										1						1											
922 Reed	Q13	9/9/2011		5'6"	Q13	6										1						1											
922 Reed	Q13	9/9/2011		5'0"	Q13	7													1														
Across from 920 Reed	Q13	9/11/2011		4'4"	Q13	8											1							1									
1315 Ridge Road	Q13	9/8/2011		8'1.5"	Q13	9											1																
Highway 35	Q13	9/13/2011		8'7"	Q13	11																											
Apostle Cove	Q13	9/12/2011		9'3"	Q13	12																											
Concord	Q13	9/12/2011		5'5"	Q13	13		1																		1							
Highway 35	Q13	9/13/2011		6'7.5"	Q13	14																											
Highway 35	Q13	9/12/2011		5'9"	Q13	15																											
Highway 35	Q13	9/13/2011		7'5"	Q13	16																											
Reed	Q13	9/12/2011	1		Q13	17																		1									
1305 Ridge Road	Q13	9/8/2011		5'0"	Q13	18																											
Reed	Q13	9/12/2011	1		Q13	19																											
Concord	Q13	9/12/2011	1		Q13	20																											
Concord (ROW)	Q13	9/12/2011	1		Q13	21																											
Concord (ROW)	Q13	9/12/2011	1		Q13	21A																											
Concord (ROW)	Q13	9/12/2011	1		Q13	21B																											
Sorrell (ROW)	Q13	9/12/2011	1		Q13	27																											
Highway 35 (Kidd Lane)	Q13	9/13/2011		3'2"	Q13	28																											
Highway 35 (Kidd Lane)	Q13	9/13/2011		7'6"	Q13	30																											
Sorrell (ROW)	Q13	9/12/2011		4'4"	Q13	31																											
Sorrell (ROW)	Q13	9/12/2011		4'6"	Q13	32																											
Sorrell (ROW)	Q13	9/12/2011		5'9"	Q13	33																											
Sorrell (ROW)	Q13	9/12/2011		5'9"	Q13	34																											
Highway 35 (Kidd Lane)	Q13	9/13/2011	1		Q13	45																											

Basin 6 Manhole Inspection Repairs 062713

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Concrete									Raise Rim	Seal Rim or Extension	Cementitious Lining					
Highway 35 (Kidd Lane)	Q13	9/13/2011	1		Q13 46					1					1																					
Highway 35 (Kidd Lane)	Q13	9/13/2011		6'10"	Q13 47					1						1																				
Sorrell	Q13	9/12/2011		5'10"	Q13 50					1						1																				
Sorrell	Q13	9/8/2011		6'5"	Q13 51							1																								
1318 Sorrell	Q13	9/8/2011		4'7"	Q13 52					1																										
Sorrell	Q13	9/8/2011		6'8"	Q13 52A					1																										
Reed	Q13	9/12/2011		5'8"	Q13 53					1		1																								
Reed	Q13	9/12/2011	1		Q13 54							1																								
Apostle Cove	Q13	9/12/2011		8'5"	Q13 55					1																										
Sorrell	Q13	9/8/2011	1		Q13 56							1																								
Reed	Q13	9/9/2011	1		Q13 57							1																								
Reed	Q13	9/9/2011	1		Q13 58							1																								
Reed	Q13	9/9/2011	1		Q13 59							1																								
1717 Reed	Q13	9/7/2011		10'11"	Q13 60					1																										
1407 Reed	Q13	9/7/2011		8'5"	Q13 61					1		1																								
1615 Reed	Q13	9/7/2011		9'9"	Q13 62							1																								
Reed & Sorrell	Q13	9/8/2011		9'4"	Q13 64					1																										
Sorrell	Q13	9/8/2011		6'6"	Q13 65							1																								
Sorrell	Q13	9/8/2011	1		Q13 66					1																										
1311 Ridge Road	Q13	9/8/2011		3'11.5"	Q13 67							1																								
Highway 35	Q13	9/13/2011	1		Q13 68							1																								
Reed	Q14	2/28/2012		7'0"	Q14 1					1		1																								
Reed	Q14	2/28/2012	1		Q14 1A (NF)																															
Reed	Q14	2/28/2012		6'8"	Q14 2					1																										
Reed	Q14	2/28/2012	1		Q14 3																															
Reed	Q14	2/28/2012		5'9"	Q14 4					1		1																								
Highway 35	Q14	2/28/2012		7'0"	Q14 9							1																								
Highway 35	Q14	2/28/2012		7'2"	Q14 10							1																								
Highway 35	Q14	2/28/2012	1		Q14 11																															
Silica Heights	Q14	2/28/2012		4'6"	Q14 16					1		1																								
Silica Heights	Q14	2/28/2012		4'20"	Q14 16A					1		1																								
Silica Heights	Q14	2/28/2012		7'4"	Q14 17					1		1																								
Highway 35	Q14	2/28/2012		4'6"	Q14 17A							1	1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Concrete	Replace	Raise Rim	Seal Rim or Extension	Cementious Lining											
Reed	Q14	2/28/2012		7'2"	Q14	22					1		1																					
Oak	R12	2/1/2012		2'1"	R12	1					1		1																					
End of South Hillside	R12	9/13/2011		5'5"	R12	2							1																					
Corner of Dixie/E. Woodlawn	R12	9/13/2011		5'5"	R12	3			1				1																					
Dixie/Woodlawn	R12	9/13/2011		7'4"	R12	4					1		1																					
Dixie	R12	9/13/2011		8'11"	R12	6					1					1																		
Dixie	R12	9/13/2011		12'1"	R12	10			1							1																		
Dixie	R12	9/13/2011		15'6"	R12	11					1					1																		
Intersection of Thompson	R12	9/13/2011			R12	25			1							1																		
Intersection of Thompson/Gum	R12	9/13/2011		6'5"	R12	26			1							1																		
Thompson	R12	9/13/2011		7'2"	R12	27			1							1																		
Thompson	R12	1/27/2012		7'1"	R12	31			1				1																					
Oak	R12	2/1/2012		4'3"	R12	32			1				1																					
Cedar	R12	1/27/2012		5'7"	R12	33			1				1																					
Cedar	R12	1/27/2012		7'3"	R12	34			1				1																					
Cedar	R12	1/27/2012		12'3"	R12	35			1						1																			
Liberty	R12	1/27/2012		5'5"	R12	36A			1						1																			
Liberty	R12	1/27/2012		6'2"	R12	36B			1						1																			
Liberty	R12	1/27/2012		5'0"	R12	37 (BR)			1				1																					
Neeley	R12	1/27/2012		4'8"	R12	40			1				1																					
Neeley	R12	1/27/2012	1		R12	41 (BR)			1							1																		
Neeley	R12	1/27/2012		5'8"	R12	42			1																									
Neeley	R12	1/27/2012		7'8"	R12	43			1				1																					
Hickory	R12	1/27/2012		5'8"	R12	44					1		1																					
Neeley	R12	1/27/2012	1		R12	45 (BR)			1							1																		
Neeley	R12	1/27/2012		5'3"	R12	46			1						1																			
Neeley	R12	1/27/2012	1		R12	47			1							1																		
Neeley	R12	1/27/2012		7'2"	R12	48			1				1																					
Neeley	R12	1/27/2012		7'1"	R12	48A					1				1																			
Neeley	R12	1/27/2012		7'4"	R12	49					1																							
Neeley	R12	1/26/2012		6'7"	R12	50					1		1																					
Oak	R12	2/1/2012	1		R12	51 (BR)					1					1																		
Oak	R12	2/1/2012		7'0"	R12	53					1																							

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Concrete	Raise Rim	Seal Rim or Extension									Cementitious Lining					
Oak	R12	2/1/2012	1		R12 54											1			1																	
Neeley	R12	1/27/2012		9'0"	R12 60		1						1				1				1															
Neeley	R13	1/25/2012		7'6"	R13 2		1						1																							
Neeley	R13	1/25/2012		7'11"	R13 3		1						1				1				1															
Sorrell	R13	1/25/2012	1		R13 8											1																				
Sorrell	R13	1/25/2012	1		R13 8A (NF)											1																				
Neeley	R13	1/26/2012	1		R13 8B											1																				
Neeley	R13	1/26/2012	1		R13 8C											1																				
Sorrell	R13	1/25/2012		5'1"	R13 9							1		1																						
Sorrell	R13	1/25/2012		8'9"	R13 10		1																													
Sorrell	R13	1/26/2012		6'9"	R13 11		1						1																							
Huntley	R13	1/25/2012		4'1"	R13 12	1																														
Huntley	R13	1/25/2012		11'9"	R13 13		1									1																				
Huntley	R13	1/25/2012		12'3"	R13 14		1							1																						
Sorrell	R13	1/25/2012	1		R13 15 (BR)											1																				
Huntley	R13	1/25/2012		12'2"	R13 16		1						1																							
Huntley	R13	1/25/2012		7'6"	R13 18		1						1																							
Bennett	R13	1/25/2012	1		R13 18A											1																				
Bennett	R13	1/25/2012		7'0"	R13 19		1									1																				
Bennett	R13	1/25/2012		7'8"	R13 20		1									1																				
Bennett	R13	1/25/2012		6'9"	R13 21		1									1																				
Bennett	R13	1/25/2012		5'9"	R13 21A		1									1																				
Bennett	R13	1/25/2012		10'11"	R13 22								1			1																				
Highway 35	R13	2/27/2012	1		R13 23											1																				
Sorrell	R13	1/26/2012		6'4"	R13 24A		1						1																							
Highway 35	R13	2/27/2012		5'6"	R13 24B		1						1																							
Sorrell	R13	1/26/2012		7'6"	R13 25A		1						1																							
Highway 35	R13	2/27/2012	1		R13 25B											1																				
Sorrell	R13	1/26/2012		6'1"	R13 26		1						1																							
Sorrell	R13	1/26/2012		9'4"	R13 27								1			1																				
Highway 35	R14	2/27/2012	1		R14 14											1																				
Highway 35	R14	2/27/2012	1		R14 15											1																				
Highway 35	R14	2/27/2012		5'3"	R14 16								1			1																				
Highway 35	R14	2/27/2012	1		R14 17											1																				
New Hope	R14	2/27/2012		6'0"	R14 18										1																					

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Concrete Replace									Raise Rim	Seal Rim or Extension	Cementious Lining						
New Hope	R14	2/27/2012		6'7"	R14	19					1		1																									
Austin Lane	R14	2/27/2012		9'7"	R14	20A					1		1																									
New Hope	R14	2/27/2012		4'11"	R14	20B	1						1																									
Austin Lane	R14	2/27/2012	1		R14	22																																
Highway 35	R14	2/27/2012	1		R14	23																																
Bennett	R14	2/27/2012	1		R14	24 (BR)																																
Highway 35/Bennett	R14	2/27/2012		6'8"	R14	25	1						1																									
Austin Lane	R14	2/27/2012		10'6"	R14	27					1		1																									
Austin Lane	R14	2/27/2012		6'3"	R14	28	1						1																									
Austin Lane	R14	2/27/2012	1		R14	29					1																											
Austin Lane	R14	2/27/2012		8'8"	R14	30					1		1																									
Austin Lane	R14	2/27/2012		7'6"	R14	31					1		1																									
Austin Lane	R14	2/27/2012		5'9"	R14	32					1		1																									
Highway 35	R14	2/27/2012	1		R14	33																																
New Hope	R14	2/27/2012	1		R14	38																																
Highway 35	R14	2/27/2012		4'5"	R14	55					1		1																									
Milburn Drive	R14	2/27/2012		5'9"	R14	56					1		1																									
Bennett	R14	2/27/2012	1		R14	67 (BR)																																
Huntley	R17	1/25/2012		10'11"	R17	17					1		1																									
Lilac Circle	S10	2/28/2012		9'4"	S10	2					1		1																									
Lilac Circle	S10	2/28/2012		5'5"	S10	3					1		1																									
Lilac Circle	S10	2/28/2012		10'6"	S10	4					1		1																									
Lilac Circle	S10	2/28/2012		9'9"	S10	5					1																											
Lilac Circle	S10	2/28/2012		8'2"	S10	6					1		1																									
Christy Lane	S10	2/28/2012		9'0"	S10	7					1		1																									
Latimer	S11	2/28/2012		9'5"	S11	1					1		1																									
Latimer	S11	2/28/2012	1		S11	2																																
Latimer	S11	2/28/2012		3'8"	S11	3					1		1																									
Latimer	S11	2/28/2012	1		S11	4					1																											
Latimer	S11	2/28/2012		6'8"	S11	5					1		1																									
Latimer	S11	2/28/2012	1		S11	6																																
Market	S11	2/28/2012		4'6"	S11	7	1						1																									
Christy Lane	S11	2/28/2012		7'7"	S11	8					1																											
Christy Lane	S11	2/28/2012		9'2"	S11	9					1		1																									
Christy Lane	S11	2/28/2012		7'5"	S11	10					1		1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed				
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Concrete Replace	Raise Rim	Seal Rim or Extension	Cementious Lining												
Christy Lane	S11	2/28/2012		7'11"	S11	11					1		1																					
Christy Lane	S11	2/28/2012		6'3"	S11	12					1		1																					
Christy Lane	S11	2/28/2012		5'1"	S11	13					1		1																					
Market	S11	2/28/2012		5'0"	S11	15					1		1																					
Morningstar Circle	S11	2/28/2012		5'5"	S11	16					1		1																					
Morningstar Circle	S11	2/28/2012		8'5"	S11	17					1		1																					
Morningstar Circle	S11	2/28/2012		13'1"	S11	19					1		1																					
Morningstar Circle	S11	2/28/2012		10'7"	S11	20					1		1																					
Morningstar Circle	S11	2/28/2012		8'6"	S11	21					1		1																					
Neeley	S13	1/25/2012		5'7"	S13	1A									1																			
Neeley	S13	1/24/2012	1		S13	1B										1																		
Neeley	S13	1/24/2012	1		S13	2										1																		
Neeley	S13	1/24/2012	1		S13	3A										1																		
Neeley	S13	1/24/2012	1		S13	3										1																		
Neeley	S13	1/24/2012	1		S13	4							1																					
Guilford L/S (ROW)	S13	1/24/2012		5'11"	S13	5						1	1																					
Guilford L/S (ROW)	S13	1/24/2012	1		S13	6							1																					
Guilford L/S (ROW)	S13	1/24/2012	1		S13	7							1																					
Guilford	S13	1/24/2012		8'5"	S13	8							1																					
Guilford	S13	1/24/2012		5'7"	S13	9							1																					
Guilford	S13	1/24/2012		15'5"	S13	10											1																	
Sorrell	S13	1/24/2012		3'8"	S13	12							1																					
Sorrell	S13	1/24/2012	1		S13	13																												
Sorrell	S13	1/24/2012		9'9"	S13	14A							1																					
Neeley	S13	1/24/2012	1		S13	15 (BR)																												
Neeley	S13	1/25/2012		6'5"	S13	15A							1																					
Sorrell	S13	1/24/2012		7'0"	S13	16							1																					
Bennett	S13	1/24/2012		6'8"	S13	19																												
Bennett	S13	1/24/2012		19'6"	S13	19A																												
Bennett	S13	1/24/2012		12'9"	S13	20																												
Bennett	S13	1/24/2012		16'4"	S13	21																												
Bennett	S13	1/24/2012		5'10"	S13	22																												
Bennett	S13	1/24/2012		5'8"	S13	23																												
Kay Road	S14	1/24/2012		8'6"	S14	3																												
Kay Road	S14	1/24/2012		14'10"	S14	4																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed						
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Concrete	Raise Rim	Seal Rim or Extension	Cementious Lining														
Kay Road	S14	1/24/2012	1		S14	5				1							1																			
Kay Road	S14	1/24/2012		9"	S14	6					1		1																							
Prysock	S14	1/24/2012		7'0"	S14	14		1																												
Bennett	T13	1/24/2012		10'11"	T13	1		1																												
Bennett	T13	1/24/2012		8'8"	T13	2		1																												
Bennett	T13	1/24/2012		6'5"	T13	3		1						1									1													
Prysock	T14	1/24/2012		7'2"	T14	6		1																												
Totals			57				1	72	0	14	72	34	101	0	17	35	57	0	0	24	3	3	53	27	18		0	0	0	0	0	0	0	0	0	0

Total No. Manholes 210

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 7

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining						
Oak Crest Cove	Q14	8/30/11		5'11"	Q	14-40				1	1																										
Overview Dr	Q14	8/30/11		3'7"	Q	14-41				1	1																										
Overview Dr	Q14	8/30/11		8'4"	Q	14-42				1	1																										
Oak Crest Dr	Q14	8/30/11		6'8"	Q	14-46		1			1																										
Overview Dr	Q14	8/30/11		8'1"	Q	14-45		1			1																										
Overview Dr	Q15	8/30/11		5'10"	Q	15-3		1			1																										
Overview Cove	Q15	8/30/11		6'6"	Q	15-4				1	1																										
Cedar Crest	Q15	8/30/11		8'8"	Q	15-5				1	1																										
Hickory Crest	Q15	8/30/11		7'9"	Q	15-6				1	1																										
Overview Dr	Q15	8/30/11		5'9"	Q	15-7		1			1																										
Ridgecrest Cove	Q15	8/30/11		10'5"	Q	15-32		1			1																										
Ridgecrest Cove	Q15	8/30/11		7'3"	Q	15-33				1	1																										
Ridgecrest Cove	Q15	8/30/11		11'0"	Q	15-34				1	1																										
Overview Dr	Q15	8/30/11		9'3"	Q	15-48		1			1																										
Country Oaks Dr	Q16	8/29/2011		8'4"	Q	16-1		1						1									1														
Country Oaks Dr	Q16	8/29/2011		4'5"	Q	16-2				1	1																										
Country Oaks Dr	Q16	8/29/2011	1		Q	16-3(NF)									1										1												
Summit	Q16	8/29/2011	1		Q	16-4									1											1											
Summit	Q16	6/12/2013		6'8"	Q	16-5(BR)		1			1																										
Summit	Q16	8/29/2011	1		Q	16-6(BR)									1																						
Summit	Q16	6/12/2013		8'7"	Q	16-7		1			1																										
Summit	Q16	8/29/2011		13'9"	Q	16-8		1			1																										
Summit	Q16	8/29/2011		9'3"	Q	16-9		1			1																										
Silica Heights	Q16	8/29/2011	1		Q	16-26(BR)									1																						
Silica Heights	Q16	8/29/2011		12'8"	Q	16-40		1			1																										
Silica Heights	Q16	8/29/2011	1		Q	16-41									1																						
Silica Heights	Q16	8/29/2011		13'10"	Q	16-42		1			1																										
Summit	Q16	8/29/2011		6'5"	Q	16-44		1			1																										
Summit	Q16	8/29/2011		9'3"	Q	16-45		1			1																										
Silica Heights	Q16	8/29/2011		14'4"	Q	16-46		1			1																										
Silica Heights	Q16	8/29/2011	1		Q	16-47(BR)									1																						
Summit	Q16	8/29/2011	1		Q	16-56									1																						
Hwy 35	R14	6/10/2013		4'4"	R	14-6				1	1																										
Summit	R14	8/30/2011		5'1"	R	14-42		1			1																										
Chatfield	R14	8/30/2011		9'8"	R	14-42A		1			1																										
Chatfield	R14	8/30/2011	1		R	14-44									1																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 7

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementious Lining							
Chatfield	R14	8/30/2011	1		R 14-45										1						1																	
Summit	R14	8/30/2011		5'11"	R 14-46						1																											
Chatfield	R14	8/30/2011	1		R 14-47										1																							
Summit	R14	8/30/2011		6'6"	R 14-48		1				1																											
Summit	R14	8/30/2011		8'6"	R 14-49								1				1							1														
Pine Valley Cove	R14	8/30/2011		3'6"	R 14-52						1	1																										
Pine Valley Cove	R14	8/30/2011		7'3"	R 14-53						1	1																										
Chatfield	R14	8/30/2011	1		R 14-54																																	
Millburn	R14	8/30/2011		7'6"	R 14-57						1	1																										
Millburn	R14	8/31/2011		5'8"	R 14-58						1	1																										
Millburn	R14	8/31/2011		10'3"	R 14-59						1	1																										
Auburn Hills	R14	8/31/2011	1		R 14-61																																	
Auburn Hills	R14	8/31/2011		6'1"	R 14-62						1	1																										
Auburn Hills	R14	8/31/2011		7'2"	R 14-63						1	1																										
Hwy 35	R14	8/31/2011	1		R 14-63A																																	
Auburn Hills	R14	8/31/2011		8'9"	R 14-64						1	1																										
Auburn Hills	R14	8/31/2011	1		R 14-64A																																	
Auburn Hills	R14	8/31/2011		6'2"	R 14-65						1	1																										
Auburn Hills	R14	8/31/2011		7'4"	R 14-66						1	1																										
Pine Valley Cove	R15	8/30/2011		11'0"	R 15-1						1	1																										
Pine Valley Cove	R15	8/30/2011		4'1"	R 15-2						1	1																										
Country Oaks Dr	R16	8/26/2011		7'4"	R 16-1		1																															
Summit	R16	8/29/2011		7'5"	R 16-2						1	1																										
Summit	R16	8/29/2011		6'10"	R 16-3																																	
Summit	R16	8/29/2011		14'9"	R 16-4																																	
Summit	R16	8/29/2011		7'4"	R 16-5																																	
Summit	R16	8/29/2011		8'7"	R 16-6		1																															
Summit	R16	8/29/2011		6'4"	R 16-7																																	
Country Oaks Dr	R16	8/26/2011		5'9"	R 16-8						1																											
Country Oaks Dr	R16	8/29/2011		8'8"	R 16-9																																	
Country Oaks Dr	R16	8/29/2011		4'9"	R 16-10																																	
Summit	R16	8/29/2011	1		R 16-13																																	
Hwy 35	S14	6/10/2013		3'	S 14-7						1																											
Hwy 35	S14	6/10/2013		6'	S 14-7A																																	
Hwy 35	S14	8/31/2011	1		S 14-15																																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 7

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementious Lining		
S Chatfield	S14	8/31/2011	1		S 14-8											1																	
Apache	S14	8/31/2011		10'2"	S 14-7B					1						1						1											
S Chatfield	S14	8/31/2011		7'9"	S 14-9		1					1																					
S Chatfield	S14	8/31/2011		6'9"	S 14-10					1																							
S Chatfield	S14	8/31/2011		7'8"	S 14-11		1					1																					
Prysock/Chatfield	S14	8/31/2011	1		S 14-12											1						1											
Prysock	S14	8/31/2011		7'10"	S 14-13		1								1																		
Prysock	S14	8/31/2011		6'10"	S 14-14A		1								1																		
Hwy 35	S14	6/10/2013		7'	S 14-16				1			1																					
Golden Dr	S14	8/31/2011	1		S 14-17											1																	
Golden Dr	S14	8/31/2011		4'9"	S 14-17A		1								1							1											
Prysock	S14	9/7/2011		5'10"	S 14-18					1					1																		
Prysock	S14	9/7/2011		6'3"	S 14-18A					1					1																		
Prosock	S14	9/7/2011	1		S 14-19											1																	
Prosock	S14	9/7/2011	1		S 14-19A											1																	
Prosock	S14	9/7/2011	1		S 14-20											1																	
Kay Rd	S14	9/7/2011	1		S 14-21											1																	
Hwy 35	S14	9/7/2011	1		S 14-22											1																	
Prosock	S14	9/7/2011	1		S 14-22A											1																	
Hwy 35	S14	9/7/2011	1		S 14-23											1																	
Hwy 35	S14	9/7/2011	1		S 14-24											1																	
Auburn Hills	S14	9/7/2011		7'6"	S 14-25					1																							
Auburn Hills	S14	9/7/2011		8'7"	S 14-25A							1																					
Auburn Hills	S14	9/7/2011		6'11"	S 14-26					1																							
Hwy 35	S14	9/8/2011		9'7"	S 14-27				1						1																		
Hwy 35	S14	9/8/2011		8'	S 14-28					1					1																		
Social Hill	S14	9/8/2011		6'11"	S 14-29		1																										
Hwy 35	S14	8/31/2011	1		S 14-31(NF)											1																	
Hwy 35	S14	8/31/2011		6'6"	S 14-32					1																							
Hwy 35	S14	8/31/2011		5'10"	S 14-33					1																							
Hwy 35	S14	8/31/2011	1		S 14-34											1																	
Hwy 35	S14	8/31/2011		4'10"	S 14-35					1																							
Hwy 35	S14	8/31/2011		15'4"	S 14-36				1																								
Hwy 35	S14	8/31/2011		12'6"	S 14-36A					1																							
Chatfield	S14	9/8/2011	1		S 14-37											1																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 7

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementitious Lining								
Chatfield	S14	9/8/2011		9'3"	S	14-38		1													1																		
Chatfield	S14	9/8/2011	1		S	14-39								1								1																	
Chatfield	S14	9/8/2011		8'1"	S	14-40		1																															
Chatfield	S14	9/8/2011		4'7"	S	14-41				1																													
Social Hill	S14	9/8/2011		6'4"	S	14-41A				1																													
Social Hill	S14	9/8/2011		5'5"	S	14-42		1																															
Social Hill	S14	9/8/2011		16'0"	S	14-42A		1																															
Social Hill/Chatfield	S14	9/8/2011		5'6"	S	14-43		1																															
Social Hill	S14	9/8/2011		8'10"	S	14-44		1																															
Chatfield	S14	9/9/2011	1		S	14-45(BR)								1								1																	
Chatfield	S14	9/9/2011		9'4"	S	14-45A		1																															
Social Hill	S15	8/29/2011		4'3"	S	15-4		1																															
Carma	T14	8/29/2011		3'8"	T	14-1		1																															
Carma	T14	8/29/2011		9'4"	T	14-2		1																															
S Chatfield	T14	8/29/2011	1		T	14-3								1								1																	
S Chatfield	T14	8/29/2011		10'1"	T	14-4		1																															
S Chatfield	T14	8/29/2011		6'7"	T	14-7		1																															
S Chatfield	T14	8/29/2011	1		T	14-8								1																									
Totals			34				1	40	0	5	36	5	75	0	6	9	34	0	2	4	1	35	8	2				0	0	0	0	2	0	0					

Total No. Manholes 124

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining											
Church	P16	11/26/2012		14'3"	P16	28		1							1																		
Cole	P16	11/26/2012		6'6"	P16	29		1							1																		
Church	P16	11/26/2012	1		P16	30					1											1											
Spurlock	P16	11/26/2012		10'7"	P16	31				1					1								1	1									
Edison	P16	11/26/2012		5'6"	P16	32					1																						
Gattin Road	P16	11/16/2012	1		P16	33																											
Madison Village Dr.	P16	11/26/2012	1		P16	34																											
Gattin Road	P16	11/16/2012	1		P16	35																											
Madison Place	P16	11/16/2012	1		P16	36																											
Madison Place	P16	11/27/2012	1		P16	37																											
Madison Place	P16	11/27/2012	1		P16	38																											
Madison Place	P16	11/27/2012		9'0"	P16	39		1																									
Chambray	P16	11/26/2012	1		P16	40																											
Chambray	P16	11/27/2012		7'3"	P16	41					1																						
Madison Place	P16	11/27/2012		6'1"	P16	42																											
Spears	P16	11/27/2012	1		P16	43																											
Madison Village Dr.	P16	11/26/2012		7'1"	P16	44																											
Madison Village Dr.	P16	11/26/2012		7'6"	P16	45																											
Madison Village Dr.	P16	11/26/2012	1		P16	46																											
Madison Place	P16	11/27/2012		9'6"	P16	47		1																									
Madison Village Dr.	P16	11/27/2012	1		P16	48																											
Madison Village Dr.	P16	11/27/2012	1		P16	49																											
Madison Village Dr.	P16	11/27/2012	1		P16	50																											
Aaronfield Circle	P16	11/20/2012		6'8"	P16	51																											
Aaronfield Circle	P16	11/20/2012		9'10"	P16	51B																											
Edison	P16	11/26/2012		3'10"	P16	52																											
Faye Circle	P16	11/16/2012		6'0"	P16	53																											
Faye Circle	P16	11/16/2012		6'0"	P16	54																											
Faye Circle	P16	11/16/2012	1		P16	55																											
Montgomery Drive	P16	11/16/2012	1		P16	56																											
Montgomery Drive	P16	11/26/2012		6'10"	P16	57																											
Faye Circle	P16	11/16/2012		5'2"	P16	58																											
Faye Circle	P16	11/16/2012		4'11"	P16	59																											
Aaronfield	P16	11/16/2012		7'3"	P16	60A		1																									
N. Aaronfield	P16	11/16/2012	1		P16	60 (NF)																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining					
Faye Circle	P16	11/16/2012	1		P16	61													1																		
Faye Circle	P16	11/16/2012		5'10"	P16	62					1	1																									
Aaronfield	P16	11/16/2012	1		P16	62A																															
Madison Place	P16	11/16/2012	1		P16	64					1																										
Aaronfield Circle	P16	11/20/2012		11'3"	P16	66					1																										
Aaronfield Circle	P16	11/20/2012	1		P16	66A (NF)					1																										
Aaronfield	P16	11/16/2012		11'1"	P16	67					1	1																									
Aaronfield	P16	11/20/013	1		P16	68																															
Aaronfield	P16	11/20/012	1		P16	69																															
Hobbs	P16	11/26/2012		5'6"	P16	70					1																										
Hobbs	P16	11/26/2012		6'0"	P16	71					1																										
Aaronfield Circle	P16	11/20/2012		7'0"	P16	72					1																										
Madison Village Dr.	P16	11/27/2012	1		P16	73																															
Hobbs	P16	11/26/2012	1		P16	74					1																										
Hobbs	P16	11/26/2012	1		P16	75																															
Summit	P16	11/20/2012		6'4"	P16	76					1																										
Summit	P16	11/20/012	1		P16	76A					1																										
Edison	P16	11/20/012	1		P16	78																															
Edison	P16	11/20/012		6'5"	P16	79					1																										
Edison	P16	11/20/2012		17'8"	P16	80					1	1																									
Aaronfield	P16	11/16/2012		13'9"	P16	81					1	1																									
Aaronfield	P16	11/16/2012		6'9"	P16	83					1	1																									
Aaronfield	P16	11/16/2012		7'3"	P16	84					1																										
Aaronfield	P16	11/16/2012		11'10"	P16	85					1																										
Aaronfield Circle	P16	11/20/012		5'4"	P16	86					1	1																									
Aaronfield Circle	P16	11/20/012		5'10"	P16	87					1	1																									
Aaronfield	P16	11/20/012		5'10"	P16	88					1	1																									
Aaronfield	P16	11/20/012		5'4"	P16	89					1	1																									
Aaronfield	P16	11/20/012		6'7"	P16	90					1	1																									
Aaronfield Circle	P16	11/20/012		8'0"	P16	91					1	1																									
Silica Heights	Q14	11/14/2012		7'5"	Q14	17					1																										
Silica Heights	Q14	11/14/2012		8'7"	Q14	18					1																										
Silica Heights	Q14	11/14/2012	1		Q14	19																															
Silica Heights	Q14	11/14/2012	1		Q14	20																															
Silica Heights	Q14	11/14/2012		9'5"	Q14	21					1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair				Repair Requirement												
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim	Seal Rim or Extension	Cementitious Lining	Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed
Blaylock	Q14	11/14/2012		5'0"	Q14	23		1					1																
Blaylock	Q14	11/14/2012		5'8"	Q14	24		1					1																
Blaylock	Q14	11/14/2012		4'1"	Q14	25		1					1																
Blaylock	Q14	11/14/2012		6'7"	Q14	27					1		1																
Blaylock	Q14	11/14/2012		5'8"	Q14	28					1		1																
Blaylock	Q14	11/14/2012	1		Q14	29						1											1						
Blaylock	Q14	11/14/2012	1		Q14	31						1											1						
Blaylock	Q14	11/14/2012	1		Q14	32 (NF)						1											1						
Silica Heights	Q14	11/14/2012		13'5"	Q14	33		1					1																
Silica Heights	Q14	11/14/2012	1		Q14	34		1															1						
Silica Heights	Q14	11/14/2012		5'2"	Q14	35		1					1																
Silica Heights	Q14	11/14/2012		10'9"	Q14	36		1					1																
Bristol	Q14	11/14/2012		4'0"	Q14	38					1		1																
Silica Heights	Q14	11/14/2012	1		Q14	38A		1															1						
Chatfield	Q14	11/14/2012		7'8"	Q14	39		1					1																
Huk	Q14	11/14/2012		3'7"	Q14	40					1		1																
Silica Heights	Q14	11/14/2012		8'4"	Q14	47		1					1																
Silica Heights	Q15	11/13/2012		3'8"	Q15	13		1					1																
Silica Heights	Q15	11/13/2012		5'0"	Q15	14					1		1																
Canterbury	Q15	11/13/2012		14'8"	Q15	15		1					1																
Bristol	Q15	11/13/2012		8'1"	Q15	17		1					1																
Bristol	Q15	11/13/2012		7'4"	Q15	18					1		1																
Bristol	Q15	11/13/2012		6'9"	Q15	18A		1					1																
Bristol	Q15	11/13/2012	1		Q15	19		1															1						
Chipley	Q15	11/13/2012	1		Q15	20A																	1						
Silica Heights	Q15	11/13/2012		8'1"	Q15	20		1					1																
Canterbury	Q15	11/13/2012		6'11"	Q15	21		1					1																
Bristol	Q15	11/13/2012		5'10'	Q15	21B					1		1																
Bristol	Q15	11/13/2012		6'5"	Q15	21C					1		1																
Canterbury	Q15	11/13/2012		4'3"	Q15	22		1					1																
Silica Heights	Q15	11/13/2012		16'4"	Q15	23		1					1																
Silica Heights	Q15	11/13/2012		4'3"	Q15	23A		1					1																
Silica Heights	Q15	11/13/2012	1		Q15	24		1															1						
Silica Heights	Q15	11/13/2012		8'10"	Q15	25		1					1																
Silica Heights	Q15	11/13/2012		6'10"	Q15	27		1					1																

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover									Raise Rim	Seal Rim or Extension	Cementitious Lining						
Silica Heights	Q15	11/13/2012		8'6"	Q15 28		1				1																										
Silica Heights	Q15	11/13/2012	1		Q15 29		1							1				1																			
Silica Heights	Q15	11/13/2012	1		Q15 30		1							1				1																			
Myers	Q15	11/13/2012		5'5"	Q15 31		1				1																										
Silica Heights	Q15	11/13/2012	1		Q15 36		1							1				1																			
Silica Heights	Q15	11/13/2012		7'2"	Q15 37		1				1																										
Coral Cove	Q15	11/13/2012	1		Q15 38				1					1				1																			
Silica Heights	Q15	11/14/2012		7'1"	Q15 39		1				1																										
Coral Cove	Q15	11/13/2012		6'0"	Q15 40					1	1																										
Coral Cove	Q15	11/13/2012		6'11"	Q15 42					1	1																										
Silica Heights	Q15	11/14/2012		6'7"	Q15 49		1				1																										
Silica Heights	Q15	11/14/2012		7'1"	Q15 49A		1				1																										
Cole	Q15	11/14/2012		7'2"	Q15 50		1				1																										
Silica Heights	Q16	11/14/2012		7'5"	Q16 13		1				1																										
Athens	Q16	11/14/2012		6'7"	Q16 15		1				1																										
Athens	Q16	11/14/2012		5'0"	Q16 16				1			1				1	1																				
Church	Q16	11/14/2012		6'5"	Q16 17		1				1																										
Church	Q16	11/14/2012		5'10"	Q16 18					1	1																										
Church	Q16	11/14/2012		5'2"	Q16 19					1	1																										
Silica Heights	Q16	11/14/2012		9'5"	Q16 21		1				1																										
Silica Heights	Q16	11/14/2012		10'1"	Q16 22		1				1																										
Silica Heights	Q16	11/14/2012		6'7"	Q16 23 (BR)		1				1																										
Silica Heights	Q16	11/14/2012	1		Q16 24									1					1																		
Huckaby	Q16	11/14/2012	1		Q16 25									1					1																		
Huckaby	Q16	11/14/2012	1		Q16 26									1					1																		
Silica Heights	Q16	11/14/2012		8'6"	Q16 27		1				1																										
Church	Q16	11/14/2012		8'9"	Q16 29		1				1																										
Cole	Q16	11/14/2012		10'8"	Q16 30		1				1																										
Cole	Q16	11/14/2012		13'3"	Q16 30A		1				1																										
Athens	Q16	11/14/2012		9'5"	Q16 31		1				1																										
Athens	Q16	11/14/2012		6'11"	Q16 32		1				1																										
Church	Q16	11/14/2012	1		Q16 34		1							1					1																		
Athens	Q16	11/14/2012	1		Q16 35		1							1					1																		
Huckaby	Q16	11/14/2012		9'2"	Q16 36		1				1																										
Summit	Q16	11/14/2012	1		Q16 37		1							1					1																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
							Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover	Raise Rim									Seal Rim or Extension	Cementious Lining						
Summit	Q16	11/14/2012		6'1"	Q16	38		1					1																									
Summit	Q16	11/14/2012		6'2"	Q16	39		1					1																									
Totals			115				2	130	0	10	160	37	254	0	6	11	115	0	10	5	6	104	3	1		0	0	0	0	0	0	0	0	0	0	0	0	

Total No. Manholes 386

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 9

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed		
						Concrete Pavement	Asph Pav	Sidewalk Pav	Grav	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/ outside	Raise Rim	Seal Rim or Extension									Cementious Lining	
Jill Dr	M15	4/16/13		4'3"	M	15-35				1		1			1			1														
Jill Dr	M15	6/17/11		5'9"	M	15-36	1					1																				
Jill Dr	M15	6/17/11		8'4"	M	15-37	1					1																				
Jill Dr	M15	6/17/2011		8'5"	M	15-38	1					1																				
Coats Rd	M15	6/17/2011		5'9"	M	15-39					1			1			1															
Coats Rd	M15	4/16/2013		4'6"	M	15-40					1																					
Coats Rd	M15	6/17/2011		9'7"	M	15-43	1					1																				
Shady Lane	M15	6/17/2011		5'4"	M	15-44	1					1																				
Coats Rd	M15	6/17/2011		7'10"	M	15-45	1					1																				
Coats Rd	M15	6/17/2011	1		M	15-46								1																		
Coats Rd	M15	7/15/2011		4'9"	M	15-47					1				1																	
Shady Lane	M15	7/15/2011		8'7"	M	15-48	1					1																				
Shady Lane	M15	7/15/2011		5'6"	M	15-49				1																						
Coats Rd	M15	6/17/2011		6'10"	M	15-49A					1																					
Shady Lane	M15	7/15/2011		6'2"	M	15-50					1																					
Shady Lane	M15	7/15/2011		10'0"	M	15-51	1																									
Shady Lane	M15	7/15/2011		7'3"	M	15-52					1																					
Jill Dr	M15	6/17/2011		7'1"	M	15-53	1																									
Alcoa	M15	7/15/2011		9'10"	M	15-54					1																					
Alcoa	M15	7/15/2011		10'11"	M	15-55					1																					
Coats Rd	M16	8/22/2011		11'2"	M	16-1	1							1																		
Coats Rd	M16	8/22/2011		5'11"	M	16-2					1																					
Coats Rd	M16	8/22/2011		3'9"	M	16-4	1																									
Sams Way	M16	8/22/2011		9'9"	M	16-7					1																					
Sams Way	M16	8/22/2011		9'1"	M	16-8					1																					
Sams Way	M16	8/22/2011		10'11"	M	16-9					1																					
Sams Way	M16	8/22/2011		6'9"	M	16-10	1																									
Waverly Heights	M16	8/22/2011		5'11"	M	16-11					1																					
Waverly Heights	M16	8/22/2011		8'10"	M	16-12	1							1																		
Waverly Heights	M16	8/22/2011		5'10"	M	16-13	1																									
Waverly Heights	M16	8/22/2011		6'9"	M	16-16					1																					04/16/13
Jill Dr	M16	8/22/2011		7'1"	M	16-17	1																									
Jill Dr	M16	8/22/2011		6'9"	M	16-18	1																									
Benton Parkway	M16	4/16/2013		8'	M	16-19					1																					
Weatherford	N15	8/16/2011		7'4"	N	15-2					1																					

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 9

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed																		
						Concrete Pavement	Asph Pave	Sidewalk Pave	Grav	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/ outside	Raise Rim	Seal Rim or Extension									Cementitious Lining																	
Edison Ave	P14	8/23/2011		13'3"	P 14-8					1		1																																				
Totals			2		0	5	29	0	6	43	20	69	1	4	30	2	0	15	4	1	5	18	7												0	0	0	0	1	0	0							

Total No. Manholes 106

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	LOW	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim	Seal Rim or Extension									Cementitious Lining							
Glenda Ln/Sandra	H14	7/15/11		6'-2"	1	H14-1		1												1																		
Glenda Ln	H14	7/15/11		8'-11"	1	H14-3		1													1																	
Glenda Ln	H14	7/15/11		6'-4"	1	H14-4		1													1																	
Glenda Ln	H14	7/15/2011		9'-9"	1	H14-5		1													1																	
Glenda Cove	H14	7/27/2011	1			H14-6															1																	
Glenda Ln	H14	7/15/2011		6'-11"	1	H14-7		1														1																
Angela	H14	7/6/2011		8'-8"	1	H14-8					1											1																
Glenda Ln	H14	7/15/2011		5'-3"	1	H14-9					1											1																
4227 Ginger Dr	H14	7/27/2011		4'-8"	1	H14-10					1											1																
4219 Ginger Dr	H14	7/27/2011		20'-2"	1	H14-10A		1														1																
Ginger Dr	H14	7/27/2011		5'-0"	1	H14-11		1														1																
Ginger Dr	H14	7/27/2011		5'-4"		H14-11A						1																										
Glenda Ln	H14	7/15/2011		8'-2"	1	H14-12					1											1																
Michael Ave	H14	7/6/2011		9'-7"	1	H14-13		1														1																
Michael Ave	H14	7/6/2011		10'-8"	1	H14-14		1														1																
Michael Ave	H14	7/16/2011		9'-2"	1	H14-15					1												1															
Empty Lot Michael/Ginger	H14	7/27/2011	1			H14-16																1																
Sandra	H14	7/15/2011		9'-0"	1	H14-17		1														1																
Congo Road	H14	7/27/2011		6'-3"	1	H14-18							1										1															
1403 Congo Road	H14	7/27/2011		6'-2"		H14-19					1												1															
Sandra	H14	7/15/2011		8'-4"	1	H14-20		1															1															
Ginger Cove	H14	7/15/2011		4'-11'	1	H14-21		1															1															
Ginger Dr	H14	7/27/2011	1			H14-22		1															1															
Ginger	H14	7/15/2011		6'-0"	1	H14-23		1															1															
Sandra	H14	7/15/2011		5'-5"	1	H14-24		1															1															
Cul De Sac Sandra	H14	7/15/2011		5'-0"	1	H14-25		1															1															
Glenda Lane	H14	7/15/2011		10'-6"	1	H14-26		1						1										1														
Ginger	H14	7/15/2011		11'-7"	1	H14-27		1																1														
ROW off Ginger	H14	7/27/2011		6'-11.5"		H14-28					1	1																										
Row betw Ginger & Mink	H14	7/27/2011	1			H14-29																	1															
ROW N of Longhills	H14	7/27/2011		8'-3"		H14-30					1	1																										
ROW N of Longhills	H14	7/27/2011		8'-1"		H14-31					1	1																										
Glenda Lane	H14	7/15/2011		5'-8"	1	H14-32					1												1															
Ginger	H14	7/15/2011		15'-5"	1	H14-33		1															1															
Stockon	I14	8/16/2011		5'-2"		I14-1					1	1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Cover/Outside Replace	Raise Rim	Seal Rim or Extension	Cementitious Lining					
Stockon	I14	8/16/2011		5'-3"	I14-1A					1	1																									
Stockon	I14	8/16/2011		10'-9"	I14-2					1																										
Stockon	I14	8/16/2011		6'-3"	I14-2A					1	1																									
Stockon	I14	8/16/2011	1		I14-28									1																						
Troy	I14	8/16/2011	1		I14-3										1																					
Stockon	I14	8/16/2011		3'-9"	I14-3A					1																										
Troy Cir.	I14	8/16/2011		6'-2"	I14-4		1																													
Troy Cir.	I14	8/16/2011	1		I14-5		1																													
Troy	I14	8/16/2011		5'-1"	I14-6					1	1																									
Troy/Diana	I14	8/16/2011		5'-5"	I14-7		1																													
Troy	I14	8/16/2011		8'-11"	I14-8		1																													
Pelton Rd	I14	8/17/2011		5'-7"	I14-9					1	1																									
Pelton Rd	I14	8/17/2011		5'-9"	I14-10					1																										
Pelton Rd	I14	8/17/2011	1		I14-11						1																									
Pinccroft Dr	I14	8/16/2011		6'4"	I14-13		1				1																									
Pinccroft Dr	I14	8/16/2011	1		I14-14		1																													
Pinccroft Dr	I14	8/16/2011		5'-1"	I14-15		1				1																									
Pelton Rd	I14	8/16/2011		5'-10"	I14-16		1																													
Turkey Track	I14	8/15/2011		8'-8"	I14-18					1																										
Fox Trail	I14	8/15/2011		7'-10"	I14-19					1																										
Leawood	I14	8/16/2011		8'6"	I14-20		1				1																									
Leawood	I14	8/16/2011		11'0"	I14-21		1																													
Corner of Pelton/Leawood	I14	8/16/2011		7'5"	I14-23		1				1																									
Corner of Pelton/Leawood	I14	8/16/2011	1		I14-24					1																										
Fox Trail	I14	8/15/2011		6'6"	I14-25					1	1																									
W. Longhills	I14	8/17/2011		5'0"	I14-27					1	1																									
Congo Road	I14	8/17/2011		5'0"	I14-27A					1																										
W. Longhills	I14	8/17/2011		9'6"	I14-29		1																													
W. Longhills	I14	8/17/2011		11'0"	I14-30		1																													
W. Longhills	I14	8/17/2011		7'5"	I14-31		1																													
Ginger	I14	8/17/2011		7'0"	I14-31A		1				1																									
W. Longhills	I14	8/17/2011		7'10"	I14-32		1				1																									
W. Longhills	I14	8/17/2011		6'6"	I14-33		1				1																									
W. Longhills	I14	8/17/2011	1		I14-34		1																													
W. Longhills	I14	8/17/2011		8'6"	I14-35		1																													

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed		
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim									Seal Rim or Extension	Cementitious Lining
W. Longhills	I14	8/17/2011		6'8"	I14-35A					1				1			1														
Deer Drive	I14	8/15/2011		8'11"	I14-37	1						1																			
North Fox Trail	I14	8/16/2011		8'10"	I14-38					1		1																			
North Fox Trail	I14	8/16/2011	1		I14-39					1					1																
Fox Trail	I14	8/16/2011		5'3"	I14-40A					1		1																			
Fox Trail	I14	8/16/2011		17'9"	I14-40A					1		1																			
1901 N Fox Trail	I14	8/16/2011	1		I14-41					1					1																
Dark Forest Drive	I14	8/15/2011		5'4"	I14-43		1				1																				
Longhills	I14	8/15/2011		4'3"	I14-43A						1	1																			
Dark Forest Place	I14	8/15/2011		8'4"	I14-44		1							1								1									
Dark Forest Place	I14	8/15/2011		3'5"	I14-45		1							1		1						1									
Longhills	I14	8/15/2011		3'4"	I14-45A					1		1																			
Dark Forest Place	I14	8/15/2011		10'2"	I14-46					1				1								1	1								
Deer Drive	I14	8/15/2011		14'8"	I14-47		1				1																				
Dark Forest Place	I14	8/15/2011		9'1"	I14-48					1				1		1						1									
Deer Drive	I14	8/15/2011		5'7"	I14-49					1		1																			
Deer Drive	I14	8/15/2011	1		I14-50										1																
Deer Drive/Fox Trail	I14	8/15/2011		8'11"	I14-51					1		1																			
Fox Trail	I14	8/15/2011		8'2"	I14-52					1		1																			
Bear Cove	I14	8/15/2011		8'8"	I14-53					1				1		1															
Bear Cove	I14	8/15/2011		6'6"	I14-54	1								1											1						
Fox Trail	I14	8/15/2011		11'0"	I14-55					1		1																			
Beaver Cr.	I14	8/16/2011		10'7"	I14-56					1				1		1															
Deer	I14	8/15/2011		10'11"	I14-57					1		1																			
Deer	I14	8/15/2011		11'6"	I14-57A					1		1																			
Deer	I14	8/15/2011		11'9"	I14-57B					1		1																			
I30 West Service Road	I14	8/15/2011		2'2"	I14-58					1				1									1								
I30 West Service Road	I14	8/15/2011	1		I14-59										1																
I30 West Service Road	I14	8/15/2011		3'0"	I14-60					1		1																			
Access Road (East) Exit 121	I14	8/17/2011	1		I14-61										1										1						
Access Road (East) Exit 121	I14	8/17/2011	1							1					1										1						
Fox Trail	I14	8/15/2011		6'0"	I14-63					1		1																			
Military Road	I15	7/27/2011		5'9"	I15-1									1											1						
Military Road	I15	7/27/2011		5'10"	I15-2							1																			
Military Road	I15	7/27/2011		6'8.5"	I15-3					1		1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim									Seal Rim or Extension	Cementitious Lining							
Military Road	I15	7/27/2011		16'7"	I15-4					1	1																											
Military Road	I15	7/27/2011		10"	I15-5						1	1																										
Military Road	I15	7/27/2011		20'0"	I15-6						1	1																										
Military Road	I15	7/27/2011		15'0"	I15-7						1	1																										
Everett Form	I15	7/27/2011		12'1"	I15-9					1	1																											
I-30 East Service Road	I15	7/27/2011		5'8"	I15-10						1	1																										
I-30 East Service Road	I15	7/27/2011		6'2.5"	I15-11						1	1																										
I-30 East Service Road	I15	7/27/2011		8'7"	I15-12						1	1																										
I-30 East Service Road	I15	7/27/2011		7'7"	I15-13						1	1																										
I-30 East Service Road	I15	7/27/2011		8'4"	I15-14						1	1																										
I-30 East Service Road	I15	7/27/2011		8'3"	I15-15		1					1																										
I-30 East Service Road	I15	7/27/2011		7'6"	I15-16						1																											
I-30 West Service Road	I15	7/27/2011		8'10"	I15-17						1	1																										
I-30 East Service Road	I15	7/27/2011		7'4"	I15-18						1																											
I-30 East Service Road	I15	7/27/2011	1		I15-19																																	
I-30 East Service Road	I15	7/27/2011		9'6"	I15-20		1					1																										
Boone Road	I15	7/27/2011		4'8"	I15-21		1					1																										
Boone Road	I15	7/27/2011		5'10"	I15-22		1					1																										
Forge Dr.	I15	7/29/2011		7'0"	I15-23A			1																														
Dark Forest	I15	7/29/2011		3'10"	I15-23B						1	1																										
Dark Forest	I15	7/29/2011		4'8"	I15-24						1	1																										
Deerfield/Fawn	J14	6/16/2011		10'3"	J14-1		1					1																										
Fawn Drive	J14	6/16/2011		5'7"	J14-1A							1	1																									
Deerfield Drive	J14	8/17/2011	1		J14-2																																	
Deerfield	J14	6/3/2011		6'6.5"	J14-3		1					1																										
Deerfield Drive	J14	8/17/2011	1		J14-4																																	
Deerfield Drive	J14	6/3/2011		5'10"	J14-5		1					1																										
3213 Drake Drive	J14	6/3/2011		7'11.5"	J14-6		1					1																										
Deerfield Drive	J14	8/16/2011	1		J14-7 (BR)																																	
Arch/Deerfield	J14	6/3/2011		10'1"	J14-8		1																															
Service Road/North of Brown Law Firm	J14	6/3/2011		11'0"	J14-12							1	1																									
Service Road/NE of Brown Law Firm	J14	6/3/2011		6'3"	J14-13							1	1																									
Arch/Dead End Side	J14	6/3/2011		4'8"	J14-14		1					1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement								Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim	Seal Rim or Extension	Cementious Lining								
Arch/Dead End Side	J14	6/3/2011		6'10"	J14-15		1					1																			
Arch/Back of Brown's Kitchen	J14	6/3/2011		8'9"	J14-16		1					1																			
3011 Congo/Back of Fountain Lakes	J14	6/16/2011		23'3"	J14-16A						1	1																			
3011 Congo/Fountain Lakes	J14	6/16/2011		7'3"	J14-16B						1	1																			
3011 Congo/Fountain Lakes	J14	6/16/2011		8'4"	J14-16C						1	1																			
Deerfield	J14	6/3/2011		5'3.5"	J14-17		1							1		1															
West I30 Service Road	J14	5/16/2011	1		J14-18										1																
Service Road/RV City	J14	6/3/2011		9'2.5"	J14-19		1					1																			
Service Road/RV City Back Lot	J14	6/3/2011		8'5.5"	J14-20						1	1																			
Service Road/Front of I-30 Sales	J14	6/3/2011		6'1"	J14-21	1								1							1										
Service Road/Front of I-30 Courts	J14	6/3/2011		4'6"	J14-21A				1					1									1								
Military Behind I-30 Courts	J14	6/3/2011		5'2"	J14-21B				1					1									1								
Military	J14	6/3/2011		7'6"	J14-26		1					1																			
Military	J14	6/3/2011		8'7"	J14-27	1						1																			
Denise	J14	5/26/2011		3'4.5"	J14-35A						1			1			1														
Denise	J14	5/26/2011		4'2"	J14-35				1					1			1														
Denise	J14	5/26/2011		4'0"	J14-36				1					1			1														
Pamela	J14	5/26/2011		4'2"	J14-37				1						1		1														
Pamela	J14	5/26/2011		4'5"	J14-38				1					1			1														
Pamela	J14	5/26/2011		5'4"	J14-42				1					1			1														
Pamela	J14	5/26/2011		5'2.5"	J14-43				1					1			1														
Pamela	J14	5/26/2011		3'4"	J14-45				1					1			1														
Pamela	J14	5/26/2011		5'6"	J14-46				1					1			1														
Pamela	J14	5/26/2011		5'7.5"	J14-47				1					1			1														
Janet	J14	5/26/2011		7'2"	J14-48						1			1			1														
Janet	J14	5/26/2011		7'2.5"	J14-49A				1					1			1	1													
Janet	J14	5/26/2011		6'4"	J14-49B				1					1			1														
Thomas	J14	6/3/2011		6'1"	J14-54		1					1																			
Thomas	J14	6/3/2011		7'6"	J14-55		1							1						1											
Thomas	J14	6/3/2011		5'11"	J14-56		1					1																			
Thomas/North side of I-30	J14	6/16/2011		8'8"	J14-59		1					1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim	Seal Rim or Extension									Cementitious Lining						
Thomas Drive	J14	6/16/2011		6'4"	J14-60		1							1				1																			
Thomas Drive	J14	6/16/2011		6'11"	J14-60A					1				1				1	1																		
Thomas	J14	8/16/2011	1		J14-61										1																						
West I30 Service Road	J14	8/16/2011	1		J14-62										1																						
Winchester	J14	6/3/2011		5'11.5"	J14-62A					1				1																							
W. Service Road in front of old BP	J14	6/16/2011		4'11"	J14-64					1	1																										
Janet	J15	6/29/2011		5'7"	J15-2					1				1				1							1												
Janet	J15	8/17/2011	1		J15-3										1																						
Janet	J15	6/29/2011		5'6.5"	J15-4					1				1				1																			
Janet	J15	6/29/2011		5'7"	J15-5				1					1				1																			
Primrose/Janet	J15	7/1/2011		3'4"	J15-6					1	1																										
Primrose	J15	7/1/2011		4'2"	J15-7					1	1																										
Primrose	J15	7/1/2011		3'9"	J15-8						1			1				1																			
Karen	J15	6/17/2011		4'11.5"	J15-11					1				1				1						1													
Karen	J15	8/17/2011	1		J15-11A										1																						
Karen	J15	6/17/2011		5'0"	J15-12					1				1				1																			
Karen	J15	8/17/2011	1		J15-12A										1																						
Denise	J15	6/17/2011		5'0"	J15-13					1				1				1	1						1												
Denise	J15	6/17/2011		7'6.5"	J15-14					1				1																							
Denise	J15	8/16/2011	1		J15-4A										1																						
Denise	J15	6/17/2011		7'3"	J15-15					1				1				1																			
Denise	J15	6/17/2011		3'3.5"	J15-16					1				1				1	1						1												
Tara	J15	8/17/2011	1		J15-16A										1																						
Tara	J15	6/29/2011		5'3"	J15-16B					1				1				1							1												
Tara	J15	6/29/2011		6'8"	J15-16C					1				1				1							1												
Tara	J15	6/29/2011		3'8"	J15-17					1				1				1							1												
Tara	J15	6/29/2011		3'2.5"	J15-17A					1				1				1							1												
Primrose	J15	8/17/2011	1		J15-17B										1																						
Denise	J15	6/29/2011		5'9"	J15-18					1				1				1																			
Tara	J15	8/17/2011	1		J15-19										1																						
Denise	J15	7/1/2011		5'5.5"	J15-21		1							1				1							1												
Denise	J15	7/1/2011		5'2"	J15-24					1				1				1							1												
Denise	J15	7/1/2011		3'11.5"	J15-24A					1	1																										
Winchester	J15	8/17/2011	1		J15-26										1																						

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed				
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace									Raise Rim	Seal Rim or Extension	Cementitious Lining	
Browning	J15	7/6/2011		4'11"	J15-26A					1							1															
Military	J15	7/6/2011		13'6"	J15-27					1							1															
Military	J15	7/6/2011		6'4"	J15-27A		1					1																				
Denise	J15	6/29/2011		5'9"	J15-28					1							1						1									
Denise	J15	6/29/2011		5'7"	J15-29					1						1	1															
Denise	J15	7/1/2011		6'2"	J15-30					1						1							1									
Denise	J15	7/1/2011		4'0"	J15-31					1						1						1										
Denise	J15	8/17/2011	1		J15-31A											1																
Breckenridge	J15	7/1/2011		4'9"	J15-31B					1						1							1									
Denise	J15	7/1/2011		4'1"	J15-32					1						1							1									
Primrose	J15	6/29/2011		2'9.5"	J15-33					1						1	1						1									
Primrose	J15	6/29/2011		2'9"	J15-34					1						1							1									
Primrose	J15	6/29/2011		4'8"	J15-35					1						1							1									
Primrose Circle	J15	8/17/2011	1		J15-36											1																
Denise	J15	7/1/2011		4'3"	J15-38					1						1							1									
Oakwood	J15	7/5/2011		4'6.5"	J15-37					1						1							1									
Oakbrook	J15	7/5/2011		4'10.5"	J15-39A					1						1						1										
Breckenridge	J15	7/1/2011		4'5"	J15-40					1						1							1									
Janet/Primrose	J15	7/1/2011		3'7"	J15-41					1						1							1									
Primrose	J15	6/29/2011		3'8"	J15-42					1						1						1										
Janet	J15	6/29/2011		4'2"	J15-45					1	1												1									
Janet	J15	6/29/2011		5'0"	J15-48					1						1						1										
Oakbrook	J15	7/1/2011		6'1"	J15-51					1	1												1									
Oakbrook	J15	7/1/2011		5'10.5"	J15-52					1	1												1									
Oakbrook	J15	7/1/2011		7'5"	J15-53					1	1												1									
Oakbrook	J15	7/1/2011		7'5.5"	J15-54					1						1							1									
Oakbrook	J15	7/1/2011		3'3"	J15-55					1	1												1									
Peachtree Lane	J15	7/5/2011		6'6"	J15-57					1						1							1									
Stonewall Drive	J15	7/5/2011		7'1.5"	J15-58			1		1	1																					
Stonewall Drive	J15	7/6/2011		3'11.5"	J15-58A					1	1																					
Stonewall Drive	J15	7/6/2011		6'7.5"	J15-58B					1	1																					
Stonewall Drive	J15	7/5/2011		10'2"	J15-58C					1	1																					
Peachtree Lane	J15	7/5/2011		6'6"	J15-59		1									1							1									
Hemlock Cove-West Side	J15	7/6/2011		10'8"	J15-60					1	1																					
Hemlock Cove-West Side	J15	7/6/2011		8'6"	J15-61					1	1																					

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim	Seal Rim or Extension									Cementitious Lining							
Forge Drive West Side	J15	7/6/2011		7'2"	J15-62					1		1																										
Winchester	J15	7/6/2011		4'6"	J15-64					1		1																										
Winchester	J15	7/6/2011		4'4"	J15-65					1		1																										
Winchester	J15	7/6/2011		5'9.5"	J15-66					1		1																										
Winchester	J15	7/6/2011		6'4"	J15-67				1			1																										
Browning	J15	7/6/2011		6'10.5"	J15-68		1					1																										
Winchester	J15	7/6/2011		6'6"	J15-69				1						1		1																					
Browning	J15	7/6/2011		5'8"	J15-70						1	1																										
Briarstone Drive	J15	7/5/2011		7'4.5"	J15-71			1				1																										
Briarstone Drive	J15	7/5/2011		5'11.5"	J15-72			1				1																										
Millbrook Drive	J15	7/5/2011		4'10"	J15-73					1		1																										
Millbrook Drive	J15	7/5/2011		9'2"	J15-74			1				1																										
Denise	J15	7/5/2011		5'7"	J15-75			1				1																										
Denise	J15	7/5/2011		8'4.5"	J15-76			1				1																										
Millbrook Drive	J15	7/5/2011		11'6.5"	J15-77			1				1																										
Millbrook Drive	J15	7/5/2011		12'5"	J15-78			1				1																										
Hamilton Cove	J15	7/5/2011		11'11.5"	J15-79			1							1		1																					
I30 East Service Road	K13	7/28/2011		5'6"	K13-39					1				1			1	1	1																			
I30 East Service Road	K13	7/28/2011		7'4"	K13-40			1							1					1																		
Military Road	K13	7/29/2011		7'5"	K13-41					1					1																							
Military Road	K13	7/29/2011		5'1"	K13-42					1		1																										
Congo Road	K13	7/29/2011		8'10"	K13-42A						1			1																								
Military Road	K13	7/29/2011		4'7"	K13-43					1		1																										
Military Road	K13	7/29/2011		2'6"	K13-44									1																								
Military Road	K13	7/29/2011		3'9"	K13-46					1		1																										
Military Road	K13	7/29/2011		3'10"	K13-49					1				1																								
Military Road	K13	7/29/2011	1		K13-51						1					1																						
Durwood	K14	12/21/2010		5'3"	K14-1			1				1																										
Durwood	K14	12/21/2010		4'8"	K14-2			1				1																										
Military Road	K14			2'6"	K14-6			1				1																										
Military Road	K14		1		K14-6A										1																							
Military Road	K14	5/20/011		8'7.5"	K14-7					1			1																									
Military Road	K14	12/17/2010		6'10"	K14-8						1	1																										
Military Road	K14	12/17/2013		4'9"	K14-10					1		1																										
Military Road	K14	12/17/2010		6'2"	K14-11					1		1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed													
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Cover/Outside Replace	Raise Rim	Seal Rim or Extension	Cementitious Lining									
East of Cody	K14	12/20/2010		6'6"	K14-38					1	1																													
East of Cody	K14	12/21/2010		6'4"	K14-39					1	1																													
East of Cody	K14	12/20/2010		3'9"	K14-39A					1	1																													
Northshore	K14	12/14/2010		2'3"	K14-40					1	1																													
Northshore	K14	12/14/2010		6'9"	K14-43					1						1																								
Northshore	K14	12/14/2010		5'5"	K14-44				1		1																													
N. Lakeview Drive	K14	12/16/2010		3'11"	K14-45				1		1																													
N. Lakeview Drive	K14	12/16/2010			K14-46					1	1																													
Brookview	K14	12/16/2010		3'10"	K14-46A					1	1																													
Brookview	K14	12/16/2010		4'8"	K14-46B					1						1																								
Eldonwood	K14	12/16/2010		9'11"	K14-47	1										1																								
Brookwood/Meadow Lane	K14	12/17/2010		6'5"	K14-48					1						1																								
Brookwood	K14	12/16/2010		6'2"	K14-49					1	1																													
Brookwood	K14	12/17/2010		6'4"	K14-50					1	1																													
Brookwood	K14	12/17/2010		4'11"	K14-51					1	1																													
Carwin Drive	K14	12/17/2010		5'3"	K14-53					1	1																													
Brookwood	K14	12/17/2010		5'3"	K14-54					1	1																													
Carwin Drive	K14	12/17/2010		4'4"	K14-55					1	1																													
East Of Meadow Ln	K14		1		K14-56											1																								
East Of Meadow Ln	K14	12/20/2010		6'1"	K14-57					1	1																													
Carwin (ROW)	K14	12/22/2010		7'8"	K14-57A					1	1																													
East Of Meadow Ln	K14	12/20/2010		7'8"	K14-58					1	1																													
Meadow Lane	K14	12/17/2010		5'6"	K14-59					1	1																													
Meadow Lane	K14	12/20/2010		8'	K14-60					1	1																													
Carwin (ROW)	K14	12/27/2010		6"	K14-62					1						1																								
Cody Dr	K14	12/20/2010		5'5"	K14-63	1					1																													
Cody Dr	K14	12/20/2010		6'4"	K14-64	1					1																													
Donald	K14	12/16/2010		5'9"	K14-65	1										1																								
Janet	K14	12/27/2010		7'10"	K14-66					1						1																								
Eldonwood	K14	8/30/2011	1		K14-70						1																													
I30 East Service Road	K14	12/27/2010		2'9"	K14-72					1	1																													
I30 East Service Road	K14	12/27/2010		4'	K14-73					1	1																													
I30 East Service Road	K14	12/27/2010		7'1"	K14-74	1					1																													
I30 East Service Road	K14	12/27/2010		9'6"	K14-75		1				1																													
Northshore	K14	12/20/2010		5'6"	K14-76					1	1																													

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair					Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed													
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace									Raise Rim	Seal Rim or Extension	Cementitious Lining										
Carwin	K15	5/20/2011		11'4"	K15-20		1					1																													
	K15	5/20/2011		6'1"	K15-21					1																															
Carwin	K15	5/20/2011		5'7.5"	K15-22					1	1																														
N Greenbrier	K15	8/18/2011		8'3"	K15-23					1							1																								
Woodvale Lane	K15	8/22/2011		6'0"	K15-24					1							1																								
N Greenbrier	K15	8/18/2011		2'10"	K15-25	1							1				1																								
Janet	K15	8/18/2011	1		K15-25A					1																															
E. Greenbrier	K15	8/18/2011		5'0"	K15-26	1											1																								
Janet	K15	8/18/2011		4'6"	K15-26A					1				1			1	1																							
Intersection E Greenbriar/Rollingbrook	K15	8/18/2011		5'7"	K15-28		1					1																													
E. Greenbrier	K15	8/18/2011	1		K15-28A					1																															
E. Greenbrier	K15	8/18/2011		3'7"	K15-28B					1	1																														
Janet	K15	8/18/2011		4'7"	K15-28C					1	1																														
Rollingbrook	K15	8/22/2011		6'6"	K15-29		1										1																								
Rollingbrook	K15	8/22/2011		3'6"	K15-30		1										1																								
Rollingbrook	K15	8/22/2011	1		K15-30A						1																														
E. Greenbrier	K15	8/18/2011		4'1"	K15-31					1							1																								
E. Greenbrier	K15	8/18/2011		4'5"	K15-33					1							1																								
Oakbrook Cove	K15	8/23/2011	1		K15-33A						1																														
E. Greenbrier	K15	8/18/2011		4'1"	K15-34					1							1																								
Corner of Janet/Breckenridge	K15	8/18/2011		4'3"	K15-34A	1											1																								
Janet	K15	8/18/2011		5'0"	K15-34B					1	1																														
Janet	K15	8/18/2011		8'9"	K15-34C					1							1																								
Corner of Oakbrook/E. Greenbriar	K15	8/18/2011		5'3"	K15-36	1						1																													
Oakbrook Drive	K15	8/18/2011		4'6"	K15-36A					1							1																								
Oakbrook Drive	K15	8/23/2011		5'7"	K15-37A					1	1																														
Oakbrook Drive	K15	8/23/2011		7'9"	K15-37B						1			1				1	1																						
E. Greenbrier	K15	8/22/2011		5'1"	K15-38	1						1																													
Millbrook Drive	K15	8/22/2011		6'2"	K15-39					1	1																														
E. Greenbrier	K15	8/22/2011		4'6"	K15-39A					1	1																														
Stonewall Drive	K15	8/22/2011		6'7"	K15-40					1	1																														
Stonewall Drive	K15	8/22/2011		12'1"	K15-40A					1	1																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	LOW	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim									Seal Rim or Extension	Cementitious Lining						
Cedarhurst	L13	1/26/2011		5'4"	L13-55					1				1					1																		
Durwood	L14	5/26/2011	1		L14-CO										1																						
South of Cedarhurst	L14	5/26/2011		4'1"	L14-1								1				1																				
Melrose	L14	5/20/2011		4'4"	L14-2								1				1																				
Melrose & Brookview	L14	5/20/2011		4'1"	L14-3									1				1																			
Brookview & Cedarhurst	L14	5/20/011		3'8"	L14-4								1					1																			
South of Cedarhurst	L14	5/20/2011		4'7"	L14-5								1					1																			
2012 Cedarhurst	L14	5/20/2011		4'8"	L14-7									1					1																		
Cedarhurst	L14	5/20/2011		6'6"	L14-8								1						1																		
2009 Cedarhurst	L14	5/20/2011		4'9"	L14-9								1						1																		
End of Sagecrest	L14	5/26/2011		8'5"	L14-16						1	1																									
Watts Road	L14	5/26/2011	1		L14-17														1																		
Watts Road	L14	5/26/2011		3'0"	L14-17A		1				1																										
Watts Road	L14	5/26/2011		4'11"	L14-18						1	1																									
Watts Road	L14	5/26/2011		5'9"	L14-19						1	1																									
End of Sagecrest	L14	5/26/2011		7'11"	L14-20						1	1																									
Durwood	L14	5/26/2011		3'4"	L14-21						1			1					1																		
Durwood	L14	5/26/2011		3'8"	L14-22						1			1						1																	
Watts Road	L14	5/26/2011		5'2"	L14-23						1	1																									
Durwood	L14	5/26/2011		5'3"	L14-24		1					1																									
Durwood	L14	5/26/2011	1		L14-25														1																		
Durwood	L14	5/26/2011		5'3"	L14-26		1							1						1																	
Durwood	L14	5/26/2011	1		L14-27		1												1																		
West Lakeview	L14	5/26/2011		6'6"	L14-28		1							1					1																		
West Lakeview	L14	5/26/2011		5'3"	L14-29		1							1																							
Durwood	L14	5/26/2011		5'5"	L14-30		1							1																							
Southshore Dr.	L14	5/26/2011	1		L14-31		1													1																	
West Lakeview	L14	5/26/2011		2'10"	L14-32		1							1																							
West Lakeview	L14	5/26/2011		3'10"	L14-33		1						1							1																	
East Lakeview	L14	5/25/2011		7'2"	L14-34						1			1						1																	
East Lakeview	L14	5/25/2011	1		L14-35															1																	
East Lakeview	L14	5/25/2011	1		L14-36																1																
East Lakeview	L14	5/25/2011	1		L14-37																1																
East Lakeview	L14	5/25/2011		8'8"	L14-38						1	1																									
East Lakeview	L14	5/25/2011		9'11"	L14-38A						1	1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim									Seal Rim or Extension	Cementitious Lining							
Southshore Dr.	L14	5/26/2011		5'4"	L14-39		1								1					1																		
East Lakeview	L14	9/6/2011		6'4"	L14-40					1										1																		
East Lakeview	L14	9/6/2011	1							1																												
East Lakeview	L14	5/24/2011		7'10"	L14-42 (BR)										1		1																					
Chris Drive	L14	5/25/2011		4'4"	L14-43					1					1		1																					
Cedarhurst	L14	5/20/011		4'5"	L14-44					1																												
East Lakeview	L14	5/25/2011	1		L14-45																1																	
East Lakeview	L14	5/25/2011	1		L14-46					1											1																	
East Lakeview	L14	5/25/2011		10'3"	L14-47					1							1																					
East Lakeview	L14	5/25/2011		10'2"	L14-48					1							1																					
East Lakeview	L14	5/24/2011		11'9"	L14-49					1																												
East Lakeview	L14	5/24/2011	1		L14-50					1											1																	
Chris Drive	L14	5/25/2011		3'10"	L14-51					1							1																					
East Lakeview	L14	5/24/2011		11'4"	L14-52					1											1																	
East Lakeview	L14	5/24/2011		11'0"	L14-53					1																												
East Lakeview	L14	5/24/2011		6'2"	L14-54																1																	
East Lakeview	L14	5/25/2011	1		L14-55					1											1																	
East Lakeview	L14	5/25/2011		9'0"	L14-55A					1																												
East Lakeview	L14	5/25/2011		9'7"	L14-56					1											1																	
East Lakeview	L14	5/25/2011		8'4"	L14-57					1											1																	
Cary Road	L14	5/25/2011		9'6"	L14-58					1											1																	
Chris Drive	L14	5/26/2011		3'11"	L14-59					1																												
Chris Drive	L14	5/25/2011		4'1"	L14-60					1											1		1															
Chris Drive	L14	5/25/2011		4'2"	L14-61					1											1		1															
East Lakeview	L14	5/24/2011		4'2"	L14-62																1																	
Chris Drive	L14	5/25/2011		4'0"	L14-63																																	
East Lakeview	L14	5/24/2011		6'3"	L14-61																																	
East Lakeview	L14	5/24/2011		6'2"	L14-65																																	
East Lakeview	L14	5/24/2011		9'2"	L14-66																																	
Cary Road	L14	5/25/2011		8'6"	L14-67					1											1																	
Cary Road	L14	5/25/2011		4'2"	L14-67A																1																	
Cary Road	L14	5/25/2011	1		L14-68																																	
Cary Road	L14	5/25/2011	1		L14-69																																	
Cary Road	L14	5/25/2011		7'3"	L14-70																																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace	Raise Rim									Seal Rim or Extension	Cementitious Lining					
296 Hiland	N13	12/8/2010		3'	N13-57	1							1																							
Whitlock	N13	5/16/2011		5'2"	N13-58		1							1									1	05/20/11		1							1			
Whitlock	N13	5/16/2011		4'10"	N13-59		1							1																						
Whitlock	N13	5/16/2011		10'2"	N13-60		1						1																							
Houston/Whitlock	N13	5/16/2011		7'	N13-61		1						1																							
Newcomb	N13	5/16/2011		2'11"	N13-62		1							1									1													
509 Houston	N13	12/10/2010		3'6"	N13-64					1					1		1																			
Across from 501 Houston in field	N13	12/16/2010		5'10"	N13-65						1	1																								
511 Bowes	N13	12/16/2010		3'5"	N13-66					1	1																									
Whitlock & Bowers Drive	N13	12/15/2010		8'6"	N13-67		1						1									1	05/05/11		1										1	
Carson & Whitlock	N13	12/16/2010		6'	N13-68		1						1																							
614 Doris Cove	N13	12/15/2010		5'	N13-69		1							1								1														
800 Ryan	N13	12/10/2010		9'2"	N13-70					1	1																									
Corner of North & Fernwood	N13	12/8/2010		4'	N13-71									1							1															
900 Fernwood	N13	12/8/2010		4'3"	N13-72					1	1																									
921 Benbrook	N13	12/10/2010		5'8"	N13-72A					1	1																									
Hicks Road	N14			5'	N14-1	1					1																									
Brookfield	N14	5/19/2011		4'4"	N14-2					1				1							1	1														
Whitlock	N14	5/17/2011		4'8"	N14-3		1				1																									
Whitlock	N14	5/19/2011		6'5"	N14-4					1				1								1														
Whitlock	N14	8/17/2011	1		N14-5										1						1															
Whitlock	N14	5/17/2011		5'0"	N14-6		1							1									1													
Rosewood	N14	5/17/2011		4'10"	N14-7	1								1									1													
Wanda	N14	5/17/2011		4'5"	N14-8					1				1									1													
Wanda	N14	5/17/2011		4'6"	N14-8A					1				1																						
Cherry Crossing	N14	5/18/2011		5'3"	N14-9						1	1																								
Cherry Crossing	N14	5/18/2011		5'	N14-9A					1	1																									
Cherry Crossing	N14	5/19/2011		5'7.5"	N14-10																	1														
Fernwood	N14	5/17/2011		8'10"	N14-11					1				1									1													
Fernwood	N14	5/16/2011		6'7"	N14-11A					1	1																									
Fernwood Cove	N14	5/17/2011		5'4"	N14-12		1																													
Fernwood Cove	N14	5/17/2011		5'6"	N14-13					1				1									1													
Fernwood Cove	N14	5/17/2011		2'11"	N14-14					1				1							1	1														
Fernwood	N14	5/17/2011		5'10"	N14-15					1	1																									

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair			Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Cover/Outside Replace	Raise Rim	Seal Rim or Extension	Cementitious Lining			
Fernwood	N14	5/17/2011		7'6"	N14-16		1							1					1															
Fernwood	N14	5/17/2011		7'11"	N14-17		1								1																			
Rosewood	N14	5/17/2011		6'4"	N14-18					1					1																			
Doris	N14	5/17/2011		5'5"	N14-19	1						1																						
Desoto Place	N14	5/17/2011		4'2"	N14-20	1						1																						
Rosewood/Doris Drive	N14	5/17/2011		8'5"	N14-21		1					1																						
Doris Cove	N14	5/18/2011		3'10"	N14-22		1					1																						
Doris	N14			4'7"	N14-23		1								1																			
Doris	N14	5/18/2011		9'4"	N14-24		1								1																			
Brookfield	N14	5/19/2011		5'0"	N14-25					1					1					1														
Doris	N14		1		N14-26					1									1															
Rosewood	N14	5/18/2011		6'2"	N14-27					1					1						1													
Rosewood	N14	5/17/2011		6'10"	N14-28				1						1					1														
Desoto Place	N14	5/18/2011		6'1"	N14-29				1		1																							
Fernwood	N14	5/18/2011		5'4"	N14-30				1						1					1														
Rosewood	N14	5/17/2011		6'4"	N14-31				1		1																							
Edgehill	N14	5/17/2011		10'3"	N14-32		1																											
Edgehill	N14	5/20/2011		5'1"	N14-33A					1	1																							
Rosewood	N14	5/17/2011		5'6"	N14-35				1						1						1													
Edgehill	N14	5/18/2011		4'9"	N14-39				1						1					1														
Alcoa	N14	5/18/2011		6'9.5"	N14-39A				1						1																			
Edgehill	N14	5/18/2011		7'6"	N14-40				1						1																			
Edgehill	N14	5/18/2011		5'1"	N14-41				1						1																			
Edgehill	N14	5/18/2011		10'3"	N14-42				1						1					1														
Cherry Crossing	N14	5/18/2011		6'0"	N14-46										1																			
Cherry Crossing	N14	5/18/2011		4'6"	N14-47					1																								
Shaker Ridge	N14	5/19/2011		4'8"	N14-48				1						1																			
Shaker Ridge	N14	5/19/2011		4'11.5"	N14-49				1		1										1													
Brookfield	N14	5/19/2011		6'1.5"	N14-50				1						1																			
Brookfield	N14	5/19/2011		8'0"	N14-51				1						1																			
Stoneleigh	N14	5/19/2011		5'4.5"	N14-52				1		1																							
Shaker Ridge	N14	5/19/2012		6'3"	N14-53				1						1																			
Shaker Ridge	N14	5/19/2011		5'1"	N14-54				1						1																			
Cherry Crossing	N14	5/18/2011		5'1"	N14-55										1		1																	
Cherry Crossing	N14	5/18/2011		5'10.5"	N14-57				1						1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace									Raise Rim	Seal Rim or Extension	Cementious Lining							
Cherry Crossing	N14	5/19/2011		5'11.5"	N14-58						1																											
Cherry Crossing	N14	5/19/2011	1		N14-59																																	
Cherry Crossing	N14	5/16/2011		6'5"	N14-61					1																												
Cherry Crossing	N14	5/19/2011		5'10"	N14-62					1																												
Cherry Crossing	N14	5/18/2011		6'10"	N14-63					1																												
Great Hill	N14	5/19/2011		5'11"	N14-64					1																												
Great Hill	N14	5/19/2011		5'1"	N14-65					1																												
Cherry Crossing	N14	5/19/2011		5'10"	N14-66	1																																
Cherry Crossing	N14	5/19/2011		6'11"	N14-67					1																												
Brookfield	N14	5/19/2011		5'2"	N14-68					1																												
Edgehill	N14	5/19/2011		7'9"	N14-70					1																												
Edgehill	N14	5/19/2011		6'4"	N14-71					1																												
Edgehill	N14	5/20/2011		8'9"	N14-72					1																												
North off of North Street	N16	12/8/2010		4'	N16-63					1																												
Harmon ROW (8)	O14	12/10/2010		4'5"	O14-?					1																												
Harmon	O14	12/10/2010		3"	O14-1					1																												
NONE	O14	12/6/2010		6'10"	O14-2					1																												
	O14		1		O14-2A																																	
Harmon ROW (8)	O14	12/10/2010		7'5"	O14-3					1																												
Harmon ROW (8)	O14	12/13/2010		4'7"	O14-5					1																												
	O14	12/10/2010		6'10"	O14-6					1																												
Harmon Dr/Shari	O14	12/10/2010		3'10"	O14-7					1																												
Shari	O14	12/10/2010		4'5"	O14-8					1																												
Shari	O14	12/10/2010		6'9"	O14-9					1																												
Harmon	O14			5'9"	O14-10					1																												
Harmon Dr/Harmon ROW	O14	12/10/2010		4'1"	O14-11					1																												
Harmon ROW (8)	O14			6"	O14-12					1																												
Harmon ROW (21)	O14	12/9/2010		7'	O14-13					1																												
Harmon ROW (21)	O14	12/10/2010		6'4"	O14-13A					1																												
Harmon ROW (21)	O14	12/10/2010		UTO	O14-13B					1																												
Harmon ROW (21)	O14	12/9/2010		6'9"	O14-14					1																												
Pleasant Holly Drive	O14			6'3"	O14-15					1																												
Harmon ROW	O14	5/20/2011		7"	O14-16					1																												
Harmon ROW (21)	O14	12/9/2010		5'3"	O14-17					1																												
Benton Parkway	O14	12/6/2010		10'10"	O14-18					1																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole						Need for Repair					Repair Requirement								Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed				
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim	Seal Rim or Extension	Cementitious Lining															
Worth Ave	A-18	1/8/12		8'3"	A	18-1					1																										
Worth Ave	A-18	1/8/12		9'7"	A	18-2					1																										
Nassau	A-18	1/8/12		7'	A	18-3					1																										
Nassau	A-18	1/8/2012		6'9"	A	18-4		1																													
Worth Ave	A-18	1/6/2012		8'6"	A	18-5					1																										
Worth Ave	A-18	1/6/2012		8'8"	A	18-5A					1																										
Atlantic	A-18	1/6/2012		6'11"	A	18-6					1																										
Atlantic	A-18	1/6/2012		5'8"	A	18-7		1																													
Pierce Manse	A-18	1/6/2012		9'2"	A	18-8					1																										
Pierce Manse	A-18	1/6/2012		7'7"	A	18-8A						1																									
Wheatland Cove	A-18	3/25/2013		7'7"	A	18-9						1																									
Wheatland Cove	A-18	1/6/2012		9'8"	A	18-10						1																									
Wheatland Cove	A-18	1/6/2012		6'5"	A	18-11						1																									
Peacefield Cove	A-18	1/6/2012		18'6"	A	18-12						1																									
Peacefield Cove	A-18	1/6/2012		11'2"	A	18-13						1																									
Pierce Manse	AA-18	1/6/2012		10'1"	AA	18-1						1																									
Pierce Manse	AA-18	1/6/2012		15'3"	AA	18-2						1																									
Pierce Manse	AA-18	1/6/2012		6'11"	AA	18-3																															
Pierce Manse	AA-18	1/6/2012		18'2"	AA	18-4						1																									
Pierce Manse	AA-18	1/6/2012		6'	AA	18-5																															
Moticello Dr	AA-18	1/6/2012		7'	AA	18-6																															
Pierce Manse	AA-18	1/6/2012		16'3"	AA	18-7																															
Pierce Manse	AA-18	1/6/2012		13'8"	AA	18-8																															
Wheatland Cove	AA-18	1/6/2012		5'9"	AA	18-9																															
Wheatland Cove	AA-18	1/6/2012		5'11"	AA	18-10																															
Wheatland Cove	AA-18	1/6/2012		5'10"	AA	18-11																															
Pierce Manse	AA-18	1/6/2012		5'8"	AA	18-13																															
Pierce Manse	AA-18	1/6/2012		6'3"	AA	18-14																															
Pierce Manse	AA-18	1/6/2012		6'11"	AA	18-12																															
Pierce Manse	AA-18	1/6/2012		5'8"	AA	18-15																															
Moticello Dr	AA-18	1/6/2012		6'3"	AA	18-16																															
Moticello Dr	AA-18	1/6/2012		6'8"	AA	18-17																															
Mt McGregor	AA-18	1/6/2012		6'5"	AA	18-18																															
Pierce Manse	AA-18	1/6/2012		9'11"	AA	18-21																															
Hermitage Dr	AA-18	1/6/2012		3'11"	AA	18-22																															

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair			Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside									Raise Rim	Seal Rim or Extension	Cementitious Lining					
Hermitage Dr	AA-18	1/6/2012		8'8"	AA	18-23					1									1																
Pierce Manse	AA-19	1/6/2012		13'3"	AA	19-1					1											1														
Pierce Manse	AA-19	1/6/2012		9'11"	AA	19-2	1																													
Pierce Manse	AA-19	1/6/2012		3'3"	AA	19-3						1																								
Pierce Manse	AA-19	1/6/2012		6'4"	AA	19-5		1				1																								
Pierce Manse	AA-19	1/6/2012		6'	AA	19-6		1															1													
Pierce Manse	AA-19	1/6/2012		7'1"	AA	19-7																	1													
Springhill	AA-19	1/6/2012		4'7"	AA	19-8																														
Worth Ave	B-18	1/10/2012		7'3"	B	18-1		1																												
Worth Ave	B-18	1/8/2012		7'	B	18-2																														
Worth Ave	B-18	1/8/2012		6'9"	B	18-3																														
Worth Ave	B-18	1/8/2012		7'4"	B	18-6																														
Pacific	B-18	3/25/2013		8'1/2"	B	18-7																														
Pacific	B-18	1/8/2012		8'2"	B	18-8																														
Worth Ave	B-18	1/8/2012		7'4"	B	18-9																														
Palisades	B-18	3/27/2013		5'6"	B	18-10																														
Palisades	B-18	1/8/2012		8'6"	B	18-11																														
Worth Ave	B-18	1/8/2012		7'8"	B	18-12																														
Palm Beach	C-18	10/11/2011		6'	C	18-1																														
Palm Beach	C-18	10/11/2011		9'10"	C	18-2																														
Palm Beach	C-18	4/17/2013		6'8"	C	18-3																														
Palm Beach	C-18	10/11/2011		7'2"	C	18-4																														
Palm Beach	C-18	10/11/2011		9'9"	C	18-5																														
Palm Beach	C-18	10/10/2011		6'8"	C	18-6																														
Palm Beach	C-18	10/10/2011		9'7"	C	18-7																														
Palm Beach	C-18	10/11/2011		7'6"	C	18-7B																														
Palm Beach	C-18	10/10/2011		6'3"	C	18-8																														
Palm Beach	C-18	10/11/2011		5'4"	C	18-9																														
Worth Ave	C-18	3/26/2013		7'8"	C	18-10																														
Worth Ave	C-18	10/11/2011		9'7"	C	18-10A																														
Worth Ave	C-18	10/10/2011		8'1"	C	18-11																														
Union Square	C-18	10/10/2011		6'4"	C	18-12																														
Palm Beach	C-18	10/10/2011		7'3"	C	18-13																														
Palm Beach	C-18	10/10/2011		8'2"	C	18-14																														
Palm Beach	C-18	10/10/2011		10'1"	C	18-15																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim									Seal Rim or Extension	Cementitious Lining								
Palm Beach	C-18	10/10/2011		10'	C	18-16					1		1																										
Palm Beach	C-18	10/10/2011		6'5"	C	18-17	1						1																										
Palm Beach	C-18	10/10/2011		9'7"	C	18-18									1																								
Worth Ave	C-18	10/10/2011		6'2"	C	18-19																																	
Palm Beach	C-18	10/10/2011		8'7"	C	18-20																																	
Worth Ave	C-18	10/10/2011		11'3"	C	18-21																																	
Palm Beach	C-18	10/10/2011		9'6"	C	18-22																																	
Worth Ave	C-18	10/10/2011		8'9"	C	18-23	1																																
Worth Ave	C-18	10/10/2011		8'10"	C	18-24																																	
Lexington	C-18	10/7/2011		7'5"	C	18-25																																	
Worth Ave	C-18	10/10/2011		9'8"	C	18-26																																	
Lexington	C-18	3/26/2013		5'2"	C	18-27																																	
Lexington	C-18	10/7/2011		6'1"	C	18-28																																	
Union Square	C-18	10/7/2011		6'1"	C	18-29																																	
Union Square	C-18	10/7/2011		8'10"	C	18-30																																	
Worth Ave	C-18	10/10/2011		13'8"	C	18-31																																	
Union Square	C-18	10/7/2011		10'5"	C	18-32																																	
Worth Ave	C-18	10/10/2011		13'7"	C	18-33																																	
Lexington	C-18	10/7/2011		10'	C	18-34																																	
Union Square	C-18	10/7/2011		11'1"	C	18-35																																	
Union Square	C-18	10/7/2010		3'8"	C	18-36																																	
Union Square	C-18	10/10/2011		7'3"	C	18-37																																	
Peach Blossom Dr	C-18	10/7/2011		6'5"	C	18-38																																	
Peach Blossom Dr	C-18	10/7/2011		4'4"	C	18-39																																	
Peach Blossom Dr	C-18	10/7/2011		6'11"	C	18-40																																	
Village Loop	C-18	1/5/2012		6'4"	C	18-40A																																	
Village Trace	C-18	1/5/2012		6'9"	C	18-40B																																	
Peach Blossom Dr	C-18	10/6/2011		8'2"	C	18-41																																	
Peach Blossom Dr	C-18	10/7/2011		4'10"	C	18-42																																	
Peach Blossom Dr	C-18	10/7/2011		5'10"	C	18-43																																	
Lexington	C-18	10/6/2011		8'5"	C	18-44																																	
Lexington	C-18	10/7/2011		3'11"	C	18-45																																	
Lexington	C-18	10/7/2011		7'	C	18-45A																																	
Peach Blossom Dr	C-18	3/26/2013		7'7"	C	18-46																																	
Palm Beach	C-18	10/11/2011		7'7"	C	18-47																																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed				
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Cover/Outside Replace	Raise Rim	Seal Rim or Extension	Cementitious Lining
Palm Beach	C-18	10/11/2011		9'4"	C	18-48					1	1																			
Palm Beach	C-18	4/5/2013		8'7"	C	18-49							1										1								04/05/13
Palm Beach	C-18	10/11/2011		9'7"	C	18-50					1	1																			
Palm Beach	C-18	10/11/2011		8'7"	C	18-51					1	1																			
Palm Beach	C-18	10/11/2011		9'9"	C	18-52					1	1																			
Palm Beach	C-18	10/11/2011		9'3"	C	18-53					1	1																			
Palm Beach	C-18	1/5/2012		8'2"	C	18-54					1	1																			
St Regis Sub	C-18	1/5/2012		8'5"	C	18-55	1								1								1								
St Regis Sub	C-18	1/5/2012		4'10"	C	18-56		1				1																			
St Regis Sub	C-18	1/5/2012		5'2"	C	18-57		1				1																			
Village Dr	C-19	1/5/2012		12'	C	19-4				1		1																			
Village Dr	C-19	1/5/2012		13'3"	C	19-5				1		1																			
Village Loop	C-19	1/5/2012		11'10"	C	19-6				1		1																			
Village Loop	C-19	1/5/2012		10'6"	C	19-7				1		1																			
Village Loop	C-19	1/5/2012		8'8"	C	19-8					1	1																			
St Regis Sub	C-19	1/5/2012		9'	C	19-8A		1				1																			
St Regis Sub	C-19	1/5/2012		5'1"	C	19-8B					1	1																			
Village Loop	C-19	1/5/2012		7'1"	C	19-9					1	1																			
Village Loop	C-19	1/5/2012		8'8"	C	19-10					1	1																			
St Regis Sub	C-19	1/5/2012		14'6"	C	19-11					1	1																			
Village Dr	C-19	1/5/2012		7'3"	C	19-43A				1					1																
Village Dr	C-19	1/5/2012		10'1"	C	19-43B				1																					
Westminster	D-16	10/3/2011		9'	D	16-1					1	1																			
Westminster	D-16	3/28/2013		11'8"	D	16-2									1																
Westminster	D-16	10/3/2011		7'3"	D	16-3					1	1																			
Westminster	D-16	10/3/2011		8'5"	D	16-4					1	1																			
Westminster	D-16	10/3/2011		7'3"	D	16-5					1	1																			
Westminster	D-16	10/3/2011		7'5"	D	16-6					1	1																			
Courtney	D-16	10/3/2011		8'1"	D	16-7					1	1																			
Courtney	D-16	10/3/2011		6'10"	D	16-8					1	1																			
Garvin	D-16	10/3/2011		9'4"	D	16-9					1	1																			
Grayson	D-16	10/3/2011		7'5"	D	16-10					1	1																			
Westminster	D-16	10/3/2011		4'7"	D	16-11					1	1																			
Westminster	D-16	10/3/2011		5'3"	D	16-12					1	1																			
Westminster	D-16	10/3/2011		7'2"	D	16-13					1	1																			

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover/Outside	Raise Rim	Seal Rim or Extension
Westminster	D-16	10/3/2011		9'1"	D	16-14						1	1																	
Westminster	D-16	10/3/2011		5'3"	D	16-15						1	1																	
Westminster	D-16	10/3/2011		5'10"	D	16-16						1	1																	
Westminster	D-16	10/3/2011		8'6"	D	16-17						1	1																	
Westminster	D-16	10/3/2011		14'7"	D	16-18						1	1																	
Westminster	D-16	10/3/2011		16'6"	D	16-19						1	1																	
Westminster	D-16	10/3/2011		16'6"	D	16-21						1	1																	
Kensington	D-17	10/13/2011		6'7"	D	17-7						1	1																	
Kensington	D-17	10/13/2011		7'3"	D	17-8	1						1																	
Worth Ave	D-18	10/12/2011		8'	D	18-2						1		1						1	1									
Kensington	D-18	10/12/2011		7'8"	D	18-3						1	1																	
Kensington	D-18	10/12/2011		8'4"	D	18-3A						1	1																	
Worth Ave	D-18	10/12/2011		8'1"	D	18-4						1	1																	
Worth Ave	D-18	10/12/2011		11'	D	18-5						1	1																	
Worth Ave	D-18	10/12/2011		6'5"	D	18-7						1	1																	
Worth Ave	D-18	10/12/2011		8'11"	D	18-8						1	1																	
Kensington	D-18	10/12/2011		9'11"	D	18-9						1	1																	
Worth Ave	D-18	10/12/2011		9'10"	D	18-10	1						1																	
Worth Ave	D-18	10/12/2011		5'5"	D	18-11						1	1																	
Kensington	D-18	10/12/2011		7'8"	D	18-12						1	1																	
Kensington	D-18	10/12/2011		9'10"	D	18-13					1		1																	
Kensington	D-18	10/12/2011		8'4"	D	18-14						1	1																	
Kensington	D-18	3/27/2013		7'10"	D	18-15						1		1					1			03/27/13				1				
Worth Ave	D-18	10/12/2011		5'7"	D	18-16						1	1																	
Worth Ave	D-18	10/11/2011		6'2"	D	18-17						1	1																	
Worth Ave	D-18	10/11/2011		9'5"	D	18-18						1	1																	
Worth Ave	D-18	10/11/2011		9'9"	D	18-19						1	1																	
Worth Ave	D-18	10/11/2011		8'3"	D	18-20				1			1																	
Worth Ave	D-18	10/11/2011		6'2"	D	18-21						1	1																	
Worth Ave	D-18	10/11/2011		6'	D	18-21B						1	1																	
Worth Ave	D-18	10/11/2011		7'5"	D	18-22						1	1																	
Worth Ave	D-18	10/11/2011		4'	D	18-23						1	1																	
Worth Ave	D-18	10/11/2011		9'7"	D	18-24						1	1																	
Worth Ave	D-18	10/11/2011		8'4"	D	18-25						1	1																	
Worth Ave	D-18	10/11/2011		7'	D	18-26						1	1																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed												
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough on Around Pipe	Remove Roots	Replace Cover/Outside									Raise Rim	Seal Rim or Extension	Cementitious Lining									
Westminster	E-16	10/4/2011	1		E	16-3																																		
Westminster	E-16	3/28/2013		9'	E	16-4					1																													
Westminster	E-16	10/4/2011		8'8"	E	16-5					1	1																												
Westminster	E-16	10/4/2011		9'1"	E	16-6					1	1																												
Westminster	E-16	10/4/2011		8'10"	E	16-8					1	1																												
Westminster	E-16	10/4/2011	1		E	16-9					1																													
Westminster	E-16	10/4/2011		9'	E	16-10					1	1																												
Grayson	E-16	10/3/2011		4'8"	E	16-11					1																													
Grayson	E-16	10/3/2011		6'1"	E	16-12					1																													
Grayson	E-16	10/3/2011		5'11"	E	16-13					1																													
Rolla	E-16	10/3/2011		5'9"	E	16-14					1																													
Kimberly	E-16	10/3/2011		7'9"	E	16-15	1																																	
Courtney	E-16	10/3/2011		4'9"	E	16-16					1	1																												
Garvin	E-16	10/3/2011		9'7"	E	16-18					1	1																												
Kimberly	E-16	10/3/2011		5'2"	E	16-19					1	1																												
Kimberly	E-16	10/3/2011		5'9"	E	16-20																																		
Grayson	E-16	10/3/2011		7'2"	E	16-21					1	1																												
Grayson	E-16	10/3/2011		6'9"	E	16-22					1	1																												
Westminster	E-17	10/5/2011		6'	E	17-1					1	1																												
Westminster	E-17	10/5/2011		7'4"	E	17-2					1	1																												
Westminster	E-17	10/5/2011		10'9"	E	17-3					1	1																												
Rivera	E-17	10/5/2011		6'10"	E	17-4					1	1																												
Rivera	E-17	10/5/2011		11'	E	17-5					1	1																												
Pebble Beach	E-17	10/13/2011		8'6"	E	17-12					1	1																												
Pebble Beach	E-17	10/13/2011		6'6"	E	17-13					1	1																												
Pebble Beach	E-17	10/13/2011		3'10"	E	17-14					1	1																												
Pebble Beach	E-17	10/13/2011		10'2"	E	17-15					1	1																												
Caribbean	E-17	10/13/2011		6'9"	E	17-19					1	1																												
Caribbean	E-17	10/13/2011		8'	E	17-20					1	1																												
Westminster	E-17	10/5/2011		10'3"	E	17-21					1	1																												
Westminster	E-17	10/5/2011		9'11"	E	17-21A					1	1																												
Tahoe	E-17	4/1/2013		6'7"	E	17-21B					1																													
Malibu	E-17	10/5/2011		4'8"	E	17-22																																		
Caribbean	E-17	10/13/2011		9'2"	E	17-24					1	1																												
Caribbean	E-17	10/13/2011		5'11"	E	17-25					1	1																												

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	LOW	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim									Seal Rim or Extension	Cementitious Lining					
Caribbean	E-17	10/13/2011		6'	E 17-26					1		1																								
Manhattan	E-17	4/1/2013		4'10"	E 17-27					1			1																							
Wall St	E-18	10/13/2011		5'5"	E 18-1					1		1																								
Wall St	E-18	10/13/2011		5'6"	E 18-2					1		1																								
Wall St	E-18	4/1/2013		5'5"	E 18-3					1				1																						
Wall St	E-18	10/13/2011		5'	E 18-4					1		1																								
Wall St	E-18	10/13/2011		5'7"	E 18-5					1		1																								
Wall St	E-18	10/13/2011		6'2"	E 18-7					1		1																								
Caribbean East	E-18	10/13/2011		7'3"	E 18-9					1		1																								
Manhattan	E-18	10/13/2011		5'	E 18-10	1						1																								
Michigan	E-18	10/13/2011		6'7"	E 18-11A					1		1																								
Worth Ave	E-18	10/13/2011		9'8"	E 18-12					1		1																								
Worth Ave	E-18	10/13/2011		13'6"	E 18-13		1					1																								
Carribbean	E-18	10/13/2011		11'1"	E 18-15					1		1																								
Worth Ave	E-18	10/13/2011		15'6"	E 18-17					1		1																								
Congressional	F-15	1/17/2012		7'	F 15-1			1				1																								
Scott Salem	F-15	1/17/2012	1		F 15-2									1																						
Murifield	F-15	1/17/2012		6'4"	F 15-3	1						1																								
Valhalla	F-15	1/17/2012		5'4"	F 15-4			1				1																								
Scott Salem	F-15	1/17/2012		6'2"	F 15-5			1				1																								
Salem Hills	F-15	1/17/2012	Under	Drive	F 15-6			1																												
Salem Hills	F-15	1/17/2012		7'8"	F 15-7			1				1																								
Dogwood Lake Apts	F-17	10/25/2011		10'1"	F 17-1					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		9'5"	F 17-2					1																										
Dogwood Lake Apts	F-17	10/25/2011		10'4"	F 17-3					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		7'4"	F 17-4					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		6'10"	F 17-5					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		8'1"	F 17-6					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		8'1"	F 17-6A					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		6'8"	F 17-10					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		7'2"	F 17-11					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		5'3"	F 17-12					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		7'2"	F 17-13					1																										
Dogwood Lake Apts	F-17	10/25/2011		6'3"	F 17-13A					1		1																								
Dogwood Lake Apts	F-17	10/25/2011		7'4"	F 17-14	1																														

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement					Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed			
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots									Replace Cover/Outside	Raise Rim	Seal Rim or Extension
Boardwalk	F-17	10/6/2011		11'2"	F	17-15				1			1																	
Boardwalk	F-17	10/6/2011		6'9"	F	17-16				1			1																	
Boardwalk	F-17	10/6/2011		7'5"	F	17-17				1			1																	
Boardwalk	F-17	10/6/2011		8'3"	F	17-18	1						1																	
Boardwalk	F-17	10/6/2011	1		F	17-19										1			1											
Westminster	F-17	10/6/2011		14'11"	F	17-20				1			1																	
Westminster	F-17	10/6/2011		11'9"	F	17-22				1			1																	
Westminster	F-17	10/6/2011		6'3"	F	17-23				1			1																	
Westminster	F-17	10/6/2011		6'8"	F	17-24				1			1																	
Westminster	F-17	10/6/2011		10'6"	F	17-24A				1			1																	
Westminster	F-17	10/6/2011		8'5"	F	17-24B				1			1																	
Westminster	F-17	10/6/2011		6'9"	F	17-26				1			1																	
Westminster	F-17	10/6/2011		8'11"	F	17-27				1					1				1											
Rivera	F-17	10/5/2011		5'11"	F	17-28				1			1																	
Rivera	F-17	10/5/2011		7'11"	F	17-29				1				1			1				1									
Rivera	F-17	10/5/2011		6'	F	17-30				1			1																	
Rivera	F-17	10/5/2011		9'	F	17-31				1			1																	
Westminster	F-17	10/5/2011		6'11"	F	17-31A				1			1																	
Westminster	F-17	10/5/2011		6'4"	F	17-32				1			1																	
Westminster	F-17	10/5/2011		6'4"	F	17-34				1			1																	
Westminster	F-17	10/6/2011		13'3"	F	17-34A				1			1																	
Boardwalk	F-17	10/6/2011		13'10"	F	17-35				1			1																	
Boardwalk	F-17	10/6/2011		7'9"	F	17-36				1			1																	
Boardwalk	F-17	10/6/2011		7'3"	F	17-37				1			1																	
Hurricane lk Main sta	F-17	10/6/2011		14'9"	F	17-38				1			1																	
Hurricane lk Main sta	F-17	10/6/2011		15'11"	F	17-39				1			1																	
Rio De Janiero Blvd	F-17	10/6/2011		12'9"	F	17-42				1			1																	
Rio De Janiero Blvd	F-17	10/6/2011		4'7"	F	17-43				1			1																	
Catalina	F-17	10/6/2011		11'5"	F	17-45				1			1																	
Catalina	F-17	10/6/2011		4'10"	F	17-46				1			1																	
Rio De Janiero Blvd	F-17	10/6/2011		12'8"	F	17-49				1			1																	
Worth Ave	F-17	10/6/2011		9'	F	17-50				1			1																	
Rivera	F-17	4/3/2013		9'7"	F	17-53				1					1						1							04/03/13		
Westminster	F-17	10/6/2011		7'6"	F	17-54				1			1																	
Dogwood Lake Apts	F-17	10/25/2011		5'3"	F	17-12				1			1																	

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed									
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim	Seal Rim or Extension	Cementitious Lining																	
Mediterranean	F-18	10/13/2011		6'7"	F	18-2					1		1																										
Mediterranean	F-18	10/13/2011		6'4"	F	18-3					1		1																										
Wall st	F-18	10/13/2011		10'2"	F	18-4					1		1																										
Wall St	F-18	10/13/2011		9'9"	F	18-5					1		1																										
Dogwood Lake Apts	F-17	10/25/2011		5'3"	F	17-12					1		1																										
Pinehurst Cr	G-15	1/23/2011		7'11"	G	15-2		1								1			1																				
Congressional	G-15	1/17/2012		7'4"	G	15-3			1							1						1																	
Congressional	G-15	1/17/2012		7'6"	G	15-4			1																														
Castle Valley Rd	G-15	1/17/2012		6'1"	G	15-5			1							1																							
Murifield	G-15	1/17/2012		7'8"	G	15-6		1					1																										
Pinehurst cv	G-15	1/23/2012		12'3"	G	15-7					1					1						1																	
Pinehurst cv	G-15	1/23/2011		6'5"	G	15-8					1					1																							
Pinehurst cv	G-15	1/23/2011		2'11"	G	15-9		1					1																										
Valhalla	G-15	1/17/2012		8'	G	15-10			1				1																										
Dogwood Lake Apts	F-17	10/25/2011		5'3"	F	17-12					1		1																										
Winged Foot	G-15	4/5/2013		7'4"	G	15-11A					1					1													04/05/13								1		
Castle Valley Rd	G-15	1/17/2011		9'4"	G	15-12			1				1																										
Castle Valley Rd	G-15	1/17/2012		6'10"	G	15-13					1		1																										
St. Andrews Dr	G-15	1/17/2012		9'4"	G	15-14			1							1						1																	
Dogwood Lake Apts	F-17	10/25/2011		5'3"	F	17-12					1		1																										
St Andrews Dr	G-15	1/17/2012		4'10"	G	15-16			1							1																							
Congressional	G-15	1/17/2012		5'	G	15-17			1				1																										
Congressional	G-15	1/23/2012		8'3"	G	15-18			1				1																										
Colonial	G-15	1/23/2012		4'10"	G	15-19					1					1						1		1															
Shadow Creek	G-15	1/17/2012		5'	G	15-20					1		1																										
Shadow Creek	G-15	1/17/2012		3'4"	G	15-21			1				1																										
Shadow Creek	G-15	1/23/2012		5'4"	G	15-22			1				1																										
Crooked Stick	G-15	1/23/2012		5'11"	G	15-23			1				1																										
Crooked Stick	G-15	1/23/2012		7'5"	G	15-24			1				1																										
Shoel Creek	G-15	1/17/2012		4'2"	G	15-25			1				1																										
Shadow Creek	G-15	1/23/2012		8'10"	G	15-26			1				1																										
Shadow Creek	G-15	1/23/2012		7'6"	G	15-27					1		1																										
Shoel Creek	G-15	1/17/2012		10'8"	G	15-28			1				1																										
Shoel Creek	G-15	1/17/2012		5'10"	G	15-29			1				1																										
Cypress Point	G-15	1/17/2012		5'9"	G	15-30					1		1																										

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed											
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside									Raise Rim	Seal Rim or Extension	Cementitious Lining								
Cypress Point	G-15	1/17/2012		7'	G 15-31			1				1																											
Cypress Point	G-15	1/17/2012		7'4"	G 15-32			1				1																											
Cypress Point	G-15	1/23/2012		6'	G 15-33			1				1																											
Shadow Creek	G-15	1/23/2012		6'8"	G 15-34			1				1																											
Shadow Creek	G-15	1/23/2012		7'4"	G 15-35			1				1																											
Cypress Point	G-15	1/23/2012	Clean	Out	G 15-36					1																													
Spyglass	G-15	1/17/2012		3'5"	G 15-37			1				1																											
Cypress Point	G-15	1/23/2012		7'10"	G 15-38			1				1																											
Cypress Point	G-15	1/23/2012		5'11"	G 15-39					1				1																									
Augusta	G-15	1/23/2012		12'	G 15-40			1						1																									
Crooked Stick	G-15	4/5/2013		6'5"	G 15-41			1						1																									
Crooked Stick	G-15	1/23/2012	under	drive	G 15-42	1																																	
Augusta	G-15	1/23/2012		7'1"	G 15-43					1		1																											
Oak Tree Cv	G-15	1/23/2012		5'	G 15-44					1				1																									
Oak Tree Cv	G-15	1/23/2012		11'8"	G 15-45			1				1																											
Pinehurst Cv	G-15	1/23/2012		10'6"	G 15-46					1		1																											
Augusta	G-15	1/23/2012		9'4"	G 15-47			1				1																											
Pinehurst Cr	G-15	1/23/2012		7'1"	G 15-48					1		1																											
Salem Hills	G-15	1/17/2012		7'8"	G 15-49		1					1																											
Salem Hills	G-15	4/8/2013		9'3"	G 15-50					1				1																									
Salem Hills	G-15	1/17/2012		7'6"	G 15-51		1					1																											
Oak Forrest Lane	G-16	9/13/2011		5'6"	G 16-1					1		1																											
Oak Forrest Lane	G-16	9/13/2011		4'	G 16-2					1		1																											
Oak Forrest Lane	G-16	9/13/2011		5'9"	G 16-3					1		1																											
Oak Forrest Lane	G-16	9/13/2011	under	house	G 16-4					1																													
Oak Forrest Lane	G-16	9/13/2011		5'5"	G 16-5					1		1																											
Oak Forrest Lane	G-16	9/13/2011		2'7"	G 16-6					1		1																											
Oak Forrest lane	G-16	9/13/2011		3'	G 16-7					1				1																									
Oak Forrest lane	G-16	9/13/2011		2'11"	G 16-8					1		1																											
Oak Forrest Lane	G-16	9/13/2011		3'10"	G 16-10					1		1																											
Oak Forrest Lane	G-16	9/13/2011		4'11"	G 16-11					1		1																											
Oak Forrest Lane	G-16	9/13/2011		5'7"	G 16-12					1		1																											
Salem-Congo	G-16	9/13/2011		4'7"	G 16-13					1		1																											
Salem-Congo	G-16	9/13/2011		4'8"	G 16-14					1		1																											
Salem-Congo	G-16	9/13/2011		4'	G 16-15					1		1																											

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair			Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed												
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside									Raise Rim	Seal Rim or Extension	Cementitious Lining									
Salem-Congo	G-16	9/13/2011		2'7"	G	16-16				1			1																											
Pilot L/S	G-17	1/24/2012		8'1"	G	17-1							1																											
Pilot L/S	G-17	1/24/2012		8'2"	G	17-2							1																											
Pilot L/S	G-17	1/24/2012		8'2"	G	17-3							1																											
Pilot L/S	G-17	1/24/2012		7'5"	G	17-4							1																											
Pilot L/S	G-17	1/24/2012		9'6"	G	17-5							1																											
Pilot L/S	G-17	1/24/2012		7'5"	G	17-6							1																											
Pilot L/S	G-17	1/24/2012		7'4"	G	17-7						1																												
Pilot L/S	G-17	1/24/2012		13'4"	G	17-8						1																												
Dogwood Lake Apts	G-17	10/25/2011		9'1"	G	17-9				1						1																								
Dogwood Lake Apts	G-17	10/25/2011		11'10"	G	17-10				1																														
Dogwood Lake Apts	G-17	10/25/2011		9'7"	G	17-11	1									1																								
Dogwood Lake Apts	G-17	10/25/2011		10'11"	G	17-12					1					1																								
Dogwood Lake Apts	G-17	10/25/2011		5'3"	G	17-12A					1					1																								
Dogwood Lake Apts	G-17	10/25/2011		5'3"	G	17-13					1																													
Dogwood Lake Apts	G-17	10/25/2011		9'11"	G	17-14					1					1																								
Alcoa Rd	G-17	1/24/2012		7'4"	G	17-15		1																																
I-30 West Service rd	G-17	1/24/2012		10'4"	G	17-16					1																													
Glenda Ln	H-14	1/12/2012		8'11"	H	14-3					1																													
Glenda Ln	H-14	1/12/2012		6'6"	H	14-4		1																																
Glenda Ln	H-14	1/12/2012		9'9"	H	14-5		1																																
Glenda Ln	H-14	1/12/2012		7'6"	H	14-6		1																																
Glenda Ln	H-14	1/12/2012		6'11"	H	14-7		1								1																								
Angela Ave	H-14	1/12/2012		8'6"	H	14-8					1																													
Angela Ave	H-14	1/12/2012		5'3"	H	14-9					1																													
Ginger	H-14	1/12/2012		4'9"	H	14-10					1																													
Ginger	H-14	1/12/2012		20'	H	14-10A		1																																
Ginger	H-14	1/12/2012		5'1"	H	14-11		1																																
Ginger	H-14	1/12/2012		5'6"	H	14-11A					1																													
Glenda Ln	H-14	1/12/2012		8'3"	H	14-12					1																													
Michael Ave	H-14	1/12/2012		10'6"	H	14-14		1								1																								
Michael Ave	H-14	1/12/2012		9'1"	H	14-15					1																													
Ginger	H-14	1/12/2012		6'11"	H	14-16					1																													
Ginger	H-14	1/12/2012		5'	H	14-21		1																																
Ginger	H-14	1/12/2012		13'4"	H	14-22		1																																

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair					Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed					
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim	Seal Rim or Extension									Cementitious Lining				
Wild Rose	I-16	11/9/2011		7'5"	I	16-8A					1		1																						
Bay Meadows	I-16	1/4/2012		8'7"	I	16-9			1			1																							
Bay Meadows	I-16	1/4/2012		5'5"	I	16-9A			1					1											1										
Bay Meadows	I-16	1/4/2012	under	drive	I	16-10	1																												
Wild Rose	I-16	11/9/2011		12'3"	I	16-11		1				1																							
Mockingbird Cv	I-16	10/27/2011		5'6"	I	16-12	1					1																							
Hummingbird Cv	I-16	10/28/2011		6'5"	I	16-13			1			1																							
Hummingbird Cv	I-16	10/28/2011		7'8"	I	16-13A		1				1																							
Wildflower Ln	I-16	10/28/2011		6'6"	I	16-14			1			1																							
Wild Rose	I-16	11/9/2011		8'	I	16-15		1				1																							
Hazelwood Dr	I-16	10/28/2011		6'4"	I	16-16		1						1													1								
Hazelwood Dr	I-16	10/28/2011		7'1"	I	16-17			1			1																							
Bay Meadows	I-16	11/9/2011		7'	I	16-18			1			1																							
Bay Meadows	I-16	11/9/2011		6'5"	I	16-19	1					1																							
Butterfly Cv	I-16	11/9/2011		5'8"	I	16-20			1					1																					
Boone Rd	I-16	11/9/2011		7'6"	I	16-21					1	1																							
Legacy Village Dr	I-16	11/9/2011		7'8"	I	16-22		1				1																							
Legacy Village Dr	I-16	11/9/2011		9'10"	I	16-23		1				1																							
Legacy Village Dr	I-16	11/9/2011		6'6"	I	16-24					1	1																							
Patriot Cv	I-16	11/9/2011		7'	I	16-25					1	1																							
Legacy Village Dr	I-16	11/9/2011		4'11"	I	16-26			1			1																							
liberty Cv	I-16	11/9/2011		6'1"	I	16-27			1					1																					
Legacy Village Dr	I-16	11/9/2011		5'8"	I	16-28			1			1																							
Freedom Cv	I-16	11/9/2011		5'2"	I	16-29			1					1																					
Legacy Village Dr	I-16	11/9/2011		6'	I	16-30			1			1																							
Legacy Village Dr	I-16	11/9/2011		5'10"	I	16-31		1						1																					
Legacy Village Dr	I-16	11/9/2011		6'2"	I	16-32			1			1																							
Heritage Oaks Dr	I-16	11/9/2011		5'10"	I	16-33			1			1																							
Heritage Farms Dr	I-16	11/9/2011		8'2"	I	16-34			1			1																							
Heritage Oaks Dr	I-16	11/9/2011		10'3"	I	16-35			1					1																					
Royal Oaks Circle	I-16	11/9/2011		8'	I	16-36			1					1																					
Royal Oaks Circle	I-16	11/9/2011		9'6"	I	16-37		1				1																							
Royal Oaks Circle	I-16	11/9/2011		10'4"	I	16-38	1							1																					
Royal Oaks Circle	I-16	11/9/2011		9'8"	I	16-39			1					1																					
Royal Oaks Circle	I-16	11/9/2011		11'7"	I	16-40					1			1																					

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole						Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed										
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim									Seal Rim or Extension	Cementitious Lining								
Peach Tree Ln	J-15	1/4/2012		6'7"	J 15-57					1																													
Stonewall Dr	J-15	1/4/2012		10'1"	J 15-58C					1																													
Peach Tree Ln	J-15	1/4/2012		6'6"	J 15-59		1										1																						
Hemlock Cv	J-15	1/4/2012		10'9"	J 15-60			1																															
Hemlock Cv	J-15	1/4/2012		8'5"	J 15-61					1																													
Forge Dr	J-15	1/4/2012		7'2"	J 15-62					1																													
Stonewall Dr	J-16	1/4/2012		6'4"	J 16-2			1																															
Stonewall Dr	J-16	1/4/2012		6'11"	J 16-3																																		
Clover Hill Ln	J-16	1/4/2012		6'	J 16-4																																		
Buckeye Cv	J-16	1/4/2012		8'2"	J 16-5																																		
Heritage Farms Dr	J-16	4/10/2013		9'4"	J 16-6																																		
Clover Hill Ln	J-16	1/4/2012		7'5"	J 16-7																																		
Heritage Farms Dr	J-16	1/4/2012		7'1"	J 16-8		1																																
Peach Tree Ln	J-16	1/4/2012		10'1"	J 16-9																																		
Clover Hill Ln	J-16	1/4/2012		8'6"	J 16-10																																		
Clover Hill Ln	J-16	1/4/2012		6'6"	J 16-11																																		
Hemlock Cv	J-16	1/4/2012		7'11"	J 16-12																																		
Heritage Farms	J-16	1/4/2012		10'5"	J 16-13		1																																
Heritage Farms Dr	J-16	1/4/2012		5'2"	J 16-14																																		
Forge Dr	J-16	1/4/2012		6'8"	J 16-15																																		
Forge Dr/Clover hill	J-16	1/4/2012		6'8"	J 16-16																																		
Crepe Myrtel Cove	J-16	1/4/2012		8'3"	J 16-17																																		
Bay Meadow	J-16	10/26/2011		10'2"	J 16-18																																		
Bay Meadow	J-16	10/26/2011		10'6"	J 16-19																																		
Bay Meadow	J-16	10/26/2011		5'2"	J 16-20																																		
Bay Meadow	J-16	10/26/2011		6'7"	J 16-21																																		
Crepe Myrtel Cove	J-16	1/4/2012		6'	J 16-22																																		
Heritage Farm Dr	J-16	1/4/2012		7'2"	J 16-23																																		
Heritage Farms Dr	J-16	1/4/2012		6'6"	J 16-24																																		
Crepe Myrtel Cove	J-16	1/4/2012		7'9"	J 16-25																																		
Millwood Dr	J-16	1/5/2012		6'6"	J 16-26																																		
Evergreen Dr	J-16	1/4/2012		12'4"	J 16-28																																		
Evergreen Dr.	J-16	1/4/2012		7'10"	J 16-28A																																		
Mockingbird Cv	J-16	10/27/2011		6'8"	J 16-30																																		
Mockingbird Cv	J-16	10/27/2011		8'	J 16-31																																		

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number	Surface Above Manhole					Need for Repair				Repair Requirement						Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed								
						Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Cover/Outside Replace									Raise Rim	Seal Rim or Extension	Cementitious Lining					
Mockingbird Cv	J-16	10/27/2011		7'7"	J	16-33		1				1																								
Cottonwood	J-16	10/26/2011		5'9"	J	16-34			1					1																						
Hazelwood Dr	J-16	10/26/2011		12'3"	J	16-35		1						1																						
Hazelwood Dr	J-16	1/5/2012		8'4"	J	16-36								1		1																				
Evergreen Dr	J-16	1/5/2012		9'	J	16-37			1			1																								
Millwood Dr	J-16	1/5/2012		5'10"	J	16-38		1				1																								
Hazelwood Dr	J-16	1/5/2012		4'10"	J	16-38A			1					1																						
Shelby Dr	J-16	10/26/2011		12'11"	J	16-39					1	1																								
Shelby Dr	J-16	10/26/2011		10'1"	J	16-40					1	1																								
Butterfly Cv	J-16	10/26/2011		11'1"	J	16-41					1	1																								
Butterfly Cv	J-16	10/26/2011		7'5"	J	16-42					1			1																						
Butterfly Cv	J-16	10/26/2011		8'3"	J	16-42A					1	1																								
Shelby Dr	J-16	10/26/2011		10'3"	J	16-43	1					1																								
Shelby Dr	J-16	4/10/2013		12'2"	J	16-44					1			1																						
Donna Dr	J-16	4/10/2013		12'10"	J	16-45					1			1																						
Brenda Dr	J-16	10/26/2011	1		J	16-46									1																					
Donna Dr	J-16	10/26/2011		11'9"	J	16-47				1		1																								
Brenda Dr	J-16	10/26/2011		13'8"	J	16-48	1					1																								
Shelby Dr	J-16	10/26/2011		5'10"	J	16-49					1	1																								
Brenda Dr	J-16	10/26/2011		6'5"	J	16-50	1							1																						
Brook Ln	J-16	10/26/2011		7'2"	J	16-51					1	1																								
Brook Ln	J-16	10/26/2011		7'1"	J	16-52					1	1																								
Shelby Dr	J-16	10/26/2011		6'10"	J	16-53	1					1																								
Darla Dr	J-16	10/26/2011		6'7"	J	16-54	1							1																						
Darla Dr	J-16	10/26/2011		5'1"	J	16-55					1			1																						
Maggie Dr	J-17	10/26/2011		6'	J	17-1					1			1																						
Brandy Dr	J-17	10/26/2011		7'9"	J	17-2					1	1																								
Loretta Ln	J-17	10/26/2011		7'6"	J	17-3					1	1																								
Loretta Ln	J-17	10/26/2011		5'9"	J	17-4					1	1																								
Maggie Dr	J-17	10/26/2011		8'7"	J	17-5					1	1																								
Leanna Ln	J-17	4/11/2013		6'5"	J	17-6					1			1																						
Maggie Dr	J-17	10/26/2011		10'9"	J	17-7					1	1																								
Leanna Ln	J-17	10/26/2011		8'5"	J	17-8					1	1																								
Donna Dr	J-17	10/26/2011		7'10"	J	17-9					1	1																								
Donna Dr	J-17	10/26/2011		8'6"	J	17-10	1					1																								

BENTON UTILITIES SS MANHOLE REPAIR RECORD BASIN 11

STREET ADDRESS	Grid No.	Date Visually Inspected	Unable to Access	Depth	Leak at Manhole Number		Surface Above Manhole					Need for Repair				Repair Requirement							Date Repair Completed	Manhole Replaced	Bench and Trough Repaired or Hole Sealed at Pipe	Roots Removed	Cover Replaced	Rim Raised	Extension or Rim Sealed	Lining Completed							
					Concrete Pavement	Asphalt Pavement	Sidewalk Pavement	Gravel	Grass	Wood	None	1st	2nd	Low	No Access	Replace Manhole	Bench & Trough or Around Pipe	Remove Roots	Replace Cover/Outside	Raise Rim	Seal Rim or Extension	Cementitious Lining															
Chapel Ridge Apt	J-17	10/26/2011		5'10"	J	17-11				1									1																		
Chapel Ridge Apt	J-17	10/26/2011		4'7"	J	17-12				1		1																									
Chapel Ridge Apt	J-17	10/26/2011		5'3"	J	17-13				1		1																									
Chapel Ridge Apt	J-17	10/26/2011		5'9"	J	17-14				1				1																							
Chapel Ridge Apt	J-17	10/25/2011		5'1"	J	17-15				1		1																									
Chapel Ridge Apt	J-17	10/25/2011		4'6"	J	17-16				1				1																							
Chapel Ridge Apt	J-17	10/25/2011		7'11"	J	17-17	1					1																									
Chapel Ridge Apt	J-17	10/25/2011		5'	J	17-18				1		1																									
Chapel Ridge Apt	J-17	10/25/2011		5'	J	17-19				1		1																									
Chapel Ridge Apt	J-17	10/25/2011		4'9"	J	17-21				1		1																									
Chapel Ridge Apt	J-17	10/26/2011		5'8"	J	17-22				1				1																							
Brandy Dr	K-16	1/23/2012		5'3"	K	16-1			1					1																							
Brandy Dr	K-16	1/23/2012		4'8"	K	16-2				1		1																									
Alcoa Rd	K-17	1/23/2012		10'5"	K	17-1				1		1																									
Alcoa Rd	K-17	1/23/2012		7'4"	K	17-2				1		1																									
Mandy	K-17	1/23/2012		4'5"	K	17-3				1		1																									
Brandy Dr	K-17	1/23/2012		6'1"	K	17-4				1		1																									
Maggie Dr	K-17	1/23/2012		7'10"	K	17-5				1		1																									
Totals			5				26	54	94	15	337	12	406	1	7	117	5	1	32	5	2	47	71	4		0	0	0	0	21	0	0					

Total No. Manholes 536

Appendix 6
Summary of Unaccounted Manholes
Table of Contents

Title	Pages
Spreadsheet.....	1

Basin #	Original Number of Unaccounted for Manholes	Manholes Remaining Unaccounted
1	24	10
2	116	116
3	176	115
4	32	15
5	173	35
6	57	14
7	40	34
8	115	72
9	15	2
10	124	43
11	68	5
Total	940	461
Need to Camera		
Basin 10		12
Basin 5		4
Basin 3		11
Basin 1		4
Total		31
Debris or Deep		
Basin 11		5
Basin 10		5
Basin 6		11
Basin 4		1
Basin 3		8
Basin 1		6
Total		36
Never Found		
Basin 6		4
Basin 5		1
Total		5
M.H with Bolts		
Basin 10		5
Basin 3		4
Total		9
Asphalt Over-Jackhammer		
Basin 10		7
Basin 7		10
Basin 6		7
Basin 5		4
Basin 4		12
Basin 2		3
Total		43
Total Number of Manholes Located but not inspected		124

Appendix 7
Benton Utilities Sanitary Sewer Gravity Main Repair Record

Table of Contents

Title	Pages
Summary Sheet.....	1
Basin 2.....	1
Basin 3.....	1
Basin 4.....	1
Basin 5.....	1
Basin 6.....	1
Basin 7.....	1
Basin 8.....	1
Basin 9.....	1
Basin 10.....	1-2

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD SUMMARY

Basin No.	Gravity Main Leaks				Pipe Defect/Repair Requirement					Repair Completed				
	Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Point Repair (each)	Pipe Burst Length (ft)	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Point Repair (each)	Pipe Burst Length (ft)
1	---	---	---	---	---	---	IP	---	---	---	---	---	---	---
2	0	1	0	2	1	3	0	0	945	0	1	0	0	357
3	0	6	0	10	2	13	0	5	2903	0	5	0	0	1302
4	0	3	0	6	0	6	2	3	2279	0	3	2	3	1191
5	2	11	0	12	16	19	4	0	5195	2	3	1	0	828
6	0	0	0	6	6	6	0	0	965	3	3	0	0	304
7	0	6	0	0	0	6	0	0	1261	0	0	0	0	0
8	0	0	0	5	0	5	0	0	979	0	0	0	0	0
9	0	2	0	0	0	2	0	0	720	0	0	0	0	0
10	0	19	1	24	14	36	1	1	10560	6	8	1	1	2131
11	---	---	---	---	---	---	IP	---	---	---	---	---	---	---
Totals	2	48	1	65	39	96	7	9	25,807	11	23	4	4	6,113

IP - Basin in Progress

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 2

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed										
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)
Misty	K11	6/7/12	K11-10	K10-35A				1	11/12/12	K11-10	K10-35A	6	6	Conc	8/5/12		1		8"		357	11/12/12		1		8"		357
Misty & Banny	K-10	6/7/12	K10-20	EOL				1	3/21/13	K10-20	EOL	3	6	Conc	3/21/13	1	1		8"		115							
Sherris	L-11	6/8/12	L10-53	L11-29		1			3/21/13	L10-53	L11-29	3	6	Conc	3/21/13		1		8"		473							
Totals							0	1	0	2						1	3	0	0	945		0	1	0	0	357		

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 3

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed									
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Mair	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Mair	Replace Pipe Size	Point Repair (each)
511 Woodland	N10	6/20/12	N10-75	EOL			1	3/25/13	N10-75	EOL	5'	6"	conc	3/25/13		1		8"	80								
1411 Lenore	N10	6/20/12	N10-25	N10-26			1	3/25/13	N10-25	N10-26	5'	6"	conc	3/25/13		1		8"	5								
1711 Teresa	N10	6/20/12	N9-17A	EOL		1	1	3/21/13	N9-17A	EOL	6'	6"	conc	3/21/13		1		8"	350								
Grapevine	N10	6/14/11	N10-51	N10-52		1	1	12/8/11	N10-51	N10-52	5'	6"	conc	12/8/11		1		8"	130	12/14/11		1		8"	130		
W. Saline Cir	N9	6/14/11	N9-1	N9-2			1	12/8/11	N9-1	N9-2	3'	6"	conc	12/8/11		1		8"	300	12/12/11		1			300		
Forrest Ln	M11	8/12/11	M11-13	EOL			1	11/12/12	M11-13	EOL	5'	6"	conc	11/12/12		1		8"	342	12/12/12		1		8"	342		
Pinewood Dr	N10	8/12/11	N10-31	N10-33			1	11/12/12	N10-31	N10-33	6'	6"	conc	11/12/12		1		8"	175	12/12/12		1		8"	175		
Pinewood Dr	N10	8/12/11	N10-33	N10-35			1	3/4/13	N10-33	N10-35	5'	6"	conc	3/11/13		1		8"	355	3/11/13		1		8"	355		
Edgemoor	N10	8/12/11	N10-33	N10-37		1		11/12/12	N10-33	N10-37	5'	6"	conc	11/12/12		1		8"	296								
McNeil	M11	6/4/11	M11-82	M11-82A		1	1	12/8/11	M11-82	M11-82A	4'	6"	conc	12/8/11		1		8"	320								
Circle Dr	M11	6/4/11	M11-82A	M11-83		1		12/8/11	M11-82A	M11-83	3'	6"	conc	12/8/11		1		8"	130								
Lenore/Pinewood Cv	N10-M10	8/12/11	N10-11	M10-31			1	11/12/12	N10-11	M10-31	8'	6"	conc	11/12/12	1	1		8"	286								
Lenore/Pinewood Dr	N10	8/12/11	N10-11	N10-12		1		11/12/12	N10-11	N10-12	8'	6"	conc	11/12/12	1	1		8"	139								
Totals						0	6	0	10						2	13	0		5	2903		0	5	0		0	1302

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 4

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed							
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main
1101 W Smith	O10	6/27/11	O10-41	O10-38			1	11/12/12	O10-41	O10-38	6'	6"	conc	8/5/11			1	8"	260	11/12/12			1	8"	260
South Stree	O10	6/27/11				1	1							8/5/11			1		3	8/7/12			1	3	
424 Jefferson	P10	6/28/11	P10-36	O10-43A			1	11/12/12	P10-36	O10-43A	4'	6"	conc	8/5/11		1		8"	347	11/12/12		1		8"	347
609 Jefferson	P10	6/28/11	P10-38	P10-31			1	11/12/12	P10-38	P10-31	3'	6"	conc	8/5/11		1		8"	306	11/12/12		1		8"	306
Robinett	P10	6/28/11	P10-33A	O10-49			1	12/1/11	P10-33A	O10-49	6'	6"	conc	8/5/11		1		8"	278	12/7/11		1		8"	278
Dale Ave	O10	6/28/11	O10-18	O10-15		1			O10-18	O10-15	4'6"	6"		2/23/12		1		8"	274						
Banner	O10	6/28/11	P10-4A	O10-18		1			P10-4A	O10-18	17'	6"	conc	2/23/12		1		8"	430						
Thelma	P10	6/28/11	P10-22	P10-15			1		P10-22	P10-15	7'	6"	conc	2/23/12		1		8"	384						
Totals						0	3	0	6						0	6	2	3	2279		0	3	2	3	1191

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 5

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks				Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed									
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)
Watson Place	N12	6/21/11	N12-54	N12-61				1	Heller	Sept-2013		12'	8"	conc	6/21/13		1		8"	483								
Terry Circle	N12/13	6/22/11	N13-8	N12-74				1	6/22/11	N13-8	N12-74	5'	6"	conc	6/22/11	1	1		8"	252								
Terry Circle	N12	6/22/11	N12-74	N12-73		1		1	6/22/11	N12-74	N12-73	5'	6"	conc	6/22/11	1	1		8"	137								
Terry Circle	N12	6/22/11	N12-73	Ductle				1	6/22/11	N12-73	Ductle	6'	6"	conc	6/22/11	1	1		8"	115								
Short & Conway	O11	6/27/11	O11-45	EOL	1				6/27/11	O11-45	EOL	3'5"	6"	Clay	6/27/11	1	1		8"	182								
E Sevier/Lillian	O12	6/21/11	O12-17	EOL	1	1			Dye Test	O12-17	EOL	5'	6"	conc	6/21/11		1	1	8"	224								
Tulane	O12	6/23/11	O12-37	EOL		1			6/23/11	O12-37	EOL	6'5"	6"	conc	6/23/11		1		8"	271								
S Richards/N Walnut	P11	6/27/11	P11-13	P11-64		1			11/16/11	P11-13	P11-64	4'	8"	conc	11/16/11	1	1		8"	298	11/16/11	1	1		8"	298		
West Hazel	P11	7/13/11	P11-7A	P11-8				1	3/14/13	P11-7A	P11-8	5'	12"	conc	3/14/13	1	1	1	12"	195								
Burton	P11	6/22/11	P11-10	P11-8				1	3/13/13	P11-10	P11-8	6'	6"	conc	3/13/13	1	1		6"	130	3/13/13	1	1		6"	130		
Park Ln	O13	6/23/11	O13-3	O13-1		1			9/16/11	O13-3	O13-1	6'	6"	conc	9/16/11	1	1			212								
S.Richards st	P11	6/22/11	P11-13	P11-64		1			11/16/11	P11-13	P11-64	5'	8"	conc	11/16/11		1		8"	300	11/17/11		1		8"	300		
Lillian St & Conway	O11	6/23/11	O11-23					1	11/16/11	O11-23		4'	6"	conc	11/16/11			1	6"	100	11/16/11			1	6"	100		
Fourth st	P12	6/21/11	P12-35	P12-50		1				P12-35	P12-50	6'	8"	conc	6/21/13	1	1		8"	380								
Columbia/Fourth	P12	6/21/11	P12-40	EOL		1				P12-40	EOL	8'	6"	conc	6/21/13		1		8"	232								
Columbia/cox	P13	6/21/11	P13-33A	P13-34		1				P13-33A	P13-34	2'	6"	conc	6/21/13	1	1		8"	203								
Columbia/Revis	P13	6/21/11	P13-33	P13-33A		1				P13-33	P13-33A	4'	6"	conc	6/21/13	1	1		8"	263								
Hiland to Cox	N13	6/21/11	N13-54	N13-13A				1		N13-54	N13-13A	8'	6"	duct	8/25/11	1			8"	242								
Hiland to Cox	N13	6/21/11	N13-13A	N13-13				1		N13-13A	N13-13	8'	6"	duct	8/25/11	1			8"	189								
Hiland to Cox	N13	6/21/11	N13-13	N13-14				1		N13-13	N13-14	5'	6"	duct	8/25/11	1			8"	121								
Hiland	N13	6/21/11	N13-53	N13-54				1		N13-53	N13-54	8'	6"	conc	8/25/11	1	1		8"	296								
Hiland	N13	6/21/13	N13-54	N13-55		1				N13-54	N13-55	4'	6"	conc	8/25/11		1		8"	270								
Lillian	O12	6/21/11	N/A	EOL				1		N/A	EOL	3'	6"	conc	8/5/11	1	1	1	8"	100								
Totals					2	11	0	12							16	19	4		0	5195		2	3	1		0	828	

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 6

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks				Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed								
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)
Hwy 35	Q13	8/2/11	Q13-16	Q14-9				1	12/11/12	Q13-16	Q14-9	9'	8"	clay	8/5/11	1	1		8"	100	12/11/12	1	1		8"		100
Hwy 35	Q14	8/2/11	Q14-9	Q14-10				1	12/11/12	Q14-9	Q14-10	8'	8"	clay	8/5/11	1	1		8"	154	12/11/12	1	1		8"		154
Hwy 35	Q14	8/2/11	Q14-10	Q14-11				1	12/12/12	Q14-10	Q14-11	7'	8"	clay	8/5/11	1	1		8"	50	12/12/12	1	1		8"		50
Reed st	Q14	8/2/11	Q14-2	Q14-3				1		Q14-2	Q14-3	8'	8"	Clay	8/14/11	1	1		8"	208							
Reed st	Q14	8/2/11	Q14-3	Q14-4				1		Q14-3	Q14-4	6'	8"	clay	8/14/11	1	1		8"	92							
Reed st	Q14	8/2/11	Q14-4	Q14-11				1		Q14-4	Q14-11	6'	8"	clay	8/14/11	1	1		8"	361							
Totals								0							6	6	0		0	965		3	3	0		0	304

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 7

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed										
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)
Silica Heights	Q15	11/13/12	Q15-23	Q15-24	1					Q15-23	Q15-24	16'4"	8"	clay	11/15/12		1		8"		118							
Silica Heights	Q15	11/13/12	Q15-24	Q15-25	1					Q15-24	Q15-25	8'10"	8"	clay	11/15/12		1		8"		200							
Silica Heights	Q15	11/13/12	Q15-25	Q15-26	1					Q15-25	Q15-26	6'8"	8"	clay	11/15/12		1		8"		77							
Silica Heights	Q16	11/13/12	Q16-23BR	Q16-27	1					Q16-23 BR	Q16-27	8'6"	8"	clay	11/16/12		1		8"		405							
Silica Heights	Q16	11/13/12	Q16-27	Q16-26	1					Q16-27	Q16-26	8'9"	8"	clay	11/16/12		1		8"		105							
Silica Heights	Q16	11/13/12	Q16-26	Q16-40	1					Q16-26	Q16-40	12'8"	8"	clay	11/16/12		1		8"		356							
Totals					0	6	0	0								0	6	0	0	0	1261		0	0	0	0	0	0

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 8

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks				Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed										
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	
Blaylock Line	Q-14	8/2/11	Q14-27	P14-22				1	11/26/12	Q14-27	P14-22	6'7"	8"	clay	11/26/12		1		12"	233									
Blaylock Line	P-14	8/2/11	P14-22	P14-21				1	11/26/12	P14-22	P14-21	7'6"	8"	clay	11/26/12		1		12"	102									
Blaylock Line	P-14	8/2/11	P14-21	P14-20				1	11/26/12	P14-21	P14-20	7'3"	8"	clay	11/26/12		1		12"	143									
Edison/Blaylock line	P-14	8/2/11	P14-20	P14-12				1	11/26/12	P14-20	P14-12	7'9"	8"	clay	11/26/12		1		12"	399									
Edison/Blaylock line	P-14	8/2/11	P14-12	P14-15				1	11/26/12	P14-12	P14-15	7'7"	8"	clay	11/26/12		1		12"	102									
Totals																	0	5	0	0	0	0	979		0	0	0	0	0

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 9

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed																					
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)											
Algood	P13	6/22/11	P13-42	P13-40	1						P13-42	P13-40	4'8"	6"	conc	8/15/12		1		8"		450																	
Algood	P13	6/22/11	P13-40	P13-37	1						P13-40	P13-37	4'10"	6"	conc	8/15/12		1		8"		270																	
Totals					0	2	0	0										0	2	0	0	0	720		0	0	0	0	0	0	0	0	0	0	0	0	0		

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks				Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed																			
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)										
3801 - 3805 Deer Trail, Deer/Dark Forest	I14	5/31/11	I14-42	I14-37	1	1			11/14/12	I14-42	I14-37	8'	8"	conc	11/14/13	1			8"		330																	
Rollingbrook	K-15	6/6/11	K15-29	K15-30A			1		8/25/13	K15-29	K15-30A	5'	8"	conc	08/25/11		1		8"		267																	
Rollingbrook	K-15	6/6/11	K15-52	K15-52A			1		8/25/11	K15-52	K15-52A	7'	8"	conc	08/25/11		1		8"		254																	
Rollingbrook	K-15	6/6/11	K15-47	K15-42			1		8/25/11	K15-47	K15-42	7'	8"	conc	08/25/11		1		8"		205																	
Rollingbrook	K-15	6/6/11	K15-30A	K15-47			1		8/25/11	K15-30A	K15-47	5'	8"	conc	08/25/11		1		8"		129																	
Pamela	J14	6/6/13	J14-38	J14-45			1			J14-38	J14-45	4'	6"	conc	07/05/12		1		8"		140																	
Pamela	J14	6/1/11	J14-42	J14-48			1			J14-42	J14-48	5'	6"	conc	07/05/12		1		8"		310																	
Pamela	J14	6/1/11	J14-45	J14-46			1			J14-45	J14-46	5'	6"	conc	07/05/12	1			8"		200																	
Pamela	J14	6/1/11	J14-48	J14-49A			1			J14-48	J14-49A	6'	6"	conc	07/05/12		1		8"		168																	
2009 Cedarhurst	L14	6/9/11	L14-9	EOL			1		12/8/11	L14-9	EOL	6'	6"	conc	12/08/11	1	1		8"		220	12/14/11	1	1		8"											220	
Melrose	L13	6/9/11	L13-36	L13-43			1		12/8/11	L13-36	L13-43	8	8"	conc	12/08/11	1	1		8"		232	12/14/11	1	1		8"											232	
Melrose	L14	6/9/11	L14-3	L14-2			1		10/12/12	L14-3	L14-2	5'	6"	conc	10/12/12	1	1		8"		260	10/12/12	1	1		8"											260	
Melrose	L13	6/9/11	L13-42	L14-3			1		10/17/12	L13-42	L14-3	4'	8"	conc	10/17/12	1	1		8"		202	10/17/12	1	1		8"											202	
Kyle	L13	6/10/11	L13-26	L13-28		1			10/17/12	L13-26	L13-28	8'	6"	conc	10/17/12	1	1		8"		138	10/17/12	1	1		8"											138	
Longview	L13	6/10/11	L13-19	EOL			1		12/8/11	L13-19	EOL	6'	6"	conc	12/08/11		1		8"		308	12/14/11		1		8"											308	
Longview	L13	6/10/11	L13-29	L13-32			1		12/8/11	L13-29	L13-32	9'	8"	conc	12/08/11	1	1		8"		550	12/14/11	1	1		8"											550	
1714-1723 W Lakeview	L14	6/8/11	L14-39	EOL		1			3/28/13	L14-39	EOL	5"	6"	conc	03/28/13	1			8'		485																	
Lynnwood Dr	M14	6/9/11	M14-66	EOL		1				M14-66	EOL	4'	6"	conc	08/25/11		1		8"		220																	
Lynnwood Dr	M14	6/9/11	M14-66	M14-65		1				M14-66	M14-65	7'	6"	conc	08/25/11		1		8"		386																	
Brookview	M14	6/9/11	M14-16	M14-13			1			M14-16	M14-13	5'	6"	conc	08/25/11		1		8"		303																	
Brookview	M14	6/9/11	M14-21	M14-28		1	1			M14-21	M14-28	3'	6"	conc	11/14/11	1	1		8"		140																	
Brookview	M14	6/9/11	M14-38	EOL			1		3/4/13	M14-38	EOL	3'	6"	conc	03/04/13		1		8"		221	03/04/13		1		8"											221	
Shadow Ln	M14	6/9/11	M14-28	M14-22A		1			3/4/13	M14-28	M14-22A	7'	6"	conc	09/30/11	1	1		8"		220																	
Adrian	N13	6/14/11	N13-21	N13-22			1			N13-21	N13-22	6'	6"	conc	09/30/11		1		8"		255																	
Houston-Newcomb cv	O13	6/14/11	N13-65	O13-19			1			N13-65	O13-19	5'	6"	conc	09/30/11		1		8"		250																	
624 - 626 Newcomb	N13	6/14/11	N13-50	N13-51		1			9/30/11	N13-50	N15-51	4'	6"	PVC	09/30/11			1	8"	1		09/30/11			1		1											
401 Rosewood	O14	6/14/13	O14-9	N14-7		1			8/25/11	O14-9	N14-7	8'	6"	clay	08/25/11		1		8'		500																	
Rosewood	O14	6/14/13	O14-9	O14-8		1			8/25/11	O14-9	O14-8	7'	8"	clay	08/25/11		1		8"		244																	
Rosewood	O14	6/14/11	O14-8	O14-7		1			8/25/11	O14-8	O14-7	5'	8"	clay	08/25/11		1		8"		172																	
1627 Harmon	O13	6/14/11	O13-34	O13-31		1	1		3/27/13	O13-34	O13-31	5'	8"	conc	03/27/13	1	1		8'		304																	
Harmon	O14	6/14/11	O14-7	O14-13A		1				O14-7	O14-13A	3'	8"	conc	08/25/11		1		8"		390																	

BENTON UTILITIES SS GRAVITY MAIN REPAIR RECORD BASIN 10

STREET ADDRESS	Grid No.	Date Smoke Tested	From M.H.	To M.H.	Gravity Main Leaks			Cleaning and Video Inspection					Pipe defect/ Repair Requirements					Repair Completed										
					Storm Drain	Asphalt Pavement	Sidewalk Pavement	Grass	Date	From Manhole	To Manhole	Pipe Depth (ft)	Pipe Size (in)	Pipe Type	Date Determined	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)	Date	Line Sag/Grease	Separation Joints/Roots	Objects Through Main	Replace Pipe Size	Point Repair (each)	Pipe Burst Length (ft)
Harmon	O13	6/14/11	O14-1	O13-34		1		1	3/27/13	O14-1	O13-34	6'	8"	conc	03/27/13	1	1		8'		315							
Desoto	N14	6/9/11	N14-29	N14-20				1		N14-29	N14-20	4'	6"	conc	08/25/11		1		8"		225							
Fernwood	N14	6/9/11	N14-71	N14-15		1				N14-71	N14-15	5'	6"	conc	08/25/11		1		8"		310							
Fernwood	N14	6/9/11	N14-15	N14-16		1				N14-15	N14-16	7'	6"	conc	08/25/11		1		8"		358							
Fernwood	N14	6/9/11	N14-16	N14-17		1				N14-16	N14-17	7'	6"	conc	08/25/11		1		8"		207							
Fernwood cove	N14	6/9/11	N14-14	N14-17				1		N14-14	N14-17	5'	6"	conc	08/25/11		1		8"		171							
Rosewood	N14	6/9/11	N14-16	N14-18		1				N14-16	N14-18	6'	6"	conc	08/25/11		1		8"		320							
Rosewood	N14	6/9/11	N14-18	N14-21				1		N14-18	N14-21	8'	6"	conc	08/25/11		1		8"		205							
Jameson Ave	M13	6/9/11	M13-22	M13-19		1				M13-22	M13-19	4'	6"-4"	conc	08/25/11	1	1		8"		446							
Totals						0	19	1	24							14	36	1		1	10,560		6	8	1		1	2,131

Appendix 8
Benton Utilities Service Line Repair Record

Table of Contents

Title	Pages
Summary Sheet.....	1
Basin 1.....	2
Basin 2.....	3-4
Basin 3.....	5-6
Basin 4.....	7-8
Basin 5.....	9-19
Basin 6.....	20
Basin 7.....	21
Basin 8.....	22-23
Basin 9.....	24
Basin 10.....	25-30
Basin 11.....	31

BENTON UTILITIES SERVICE LINE REPAIR RECORD SUMMARY

Basin No.	Clean Out Leaks	Service Line Leaks	Clean Out Repaired	Service Line Repaired
1	7	0	7	0
2	18	7	18	7
3	43	8	43	8
4	36	10	36	10
5	140	121	140	121
6	6	7	6	7
7	4	6	4	6
8	29	2	29	2
9	6	2	6	2
10	96	41	96	41
11	14	0	14	0
Totals	399	204	399	204

W:\2011\11-5723 Benton Utilities - SSES Assistance\Project Documentation\Service Line Repair Record\
 Tracking Service Line Repair 020113

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 1

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
2521 Durango Drive	1	G-9	08/10/11	1		11/29/11		01/06/12	1	
1109 Stamford Dr	1	H-10	08/12/11	1		12/08/11		01/06/12	1	
1103 Oxford Ave	1	H-10	08/12/11	1		12/02/11		12/07/11	1	
1004 Norwich	1	H-10	08/12/11	1		11/29/11		12/16/11	1	
4005 Norwich	1	H-10	08/12/11	1		11/29/11		01/07/12	1	
922 Stamford	1	H-10	08/12/11	1		11/29/11		12/06/11	1	
1115 River Oaks	1	J-10	08/10/11	1		11/29/11		12/08/11	1	
Total for Basin				7	0				7	0

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 2

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
#7 Pheasant dr.	2	I-11	06/05/12	1		06/11/12		06/20/12	1	
#4 Pheasant dr.	2	I-11	06/05/12	1		06/11/12		06/19/12	1	
3010 Salt Creek rd	2	J-11	06/05/12	1		06/11/12		06/28/11	1	
816 Leigh st	2	J-11	06/05/12	1		06/11/12		06/26/12	1	
215 Sharon Oaks ct	2	J-12	06/06/12	1		06/11/12		06/25/12	1	
815 Misty dr	2	K-11	06/07/12	1		06/11/12		06/19/12	1	
1606 McCurdy cv	2	L-11	06/08/12	1		06/11/12		06/29/12	1	
909 Greenhill rd	2	L-11	06/08/12	1		06/11/12		07/09/12	1	
609 Miller cv	2	L-11	06/07/12	1		06/11/12		09/19/12	1	
924 Nottingham	2	M-10	06/08/12	1		06/11/12		06/22/12	1	
1104 Kenwood	2	M-10	06/08/12	1		06/11/12		06/20/12	1	
1113 Nature Way	2	G-12	06/05/12	1		ourselves		06/05/12	1	
1220 Nature Way	2	G-12	06/05/12	1		ourselves		06/05/12	1	
208 Greenfield	2	J-12	06/05/12	1		ourselves		06/05/12	1	
1706 Volcanic	2	K-10	06/14/12	1		ourselves		06/14/12	1	
2502 Twin Oaks	2	K-10	06/06/12	1		ourselves		06/06/12	1	
222 Elaine	2	K-12	06/06/12	1		ourselves		06/06/12	1	
1300 Cambridge rd	2	M-10	06/08/12	1		ourselves		06/08/12	1	
3505 Valley Vista Cir	2	I-11	06/05/12		1	06/11/12		06/26/12		1
3206 Salt Creek rd	2	I-11	06/05/12		1	06/11/12		07/03/12		1
3516 Salt Creek	2	I-11	06/05/12		1	06/11/12		07/05/12		1
3217 Sharon	2	J-12	06/06/12		1	06/11/12		06/22/12		1
305 Beverly dr	2	K-11	06/07/12		1	06/11/12		06/26/12		1
1121 McCurdy	2	M-10	06/08/12		1	06/11/12		06/21/12		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 2

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1100 Cambridge dr	2	M-10	06/08/12		1	06/11/12		07/18/12		1
Total for Basin				18	7				18	7

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 3

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
Summerwood Apt	3	I-13	06/14/12	6		06/21/12		06/25/12	6	
#9 Summerwood Dr	3	J-13	06/14/12	1		06/21/12		07/11/12	1	
411 Elaine	3	K-12	06/15/12	1		06/21/12		07/03/12	1	
1320 Sharon rd	3	M-11	06/15/12	1		06/21/12		06/29/12	1	
#1 Medical Park dr	3	M-12	06/18/12	1		06/21/12		06/26/12	1	
114 Trout	3	O-9	06/22/12	1		ourself		06/22/12	1	
302 Pike	3	O-9	06/21/12	1		ourself		06/21/12	1	
15228 I-30	3	O-9	06/21/12	4		ourself		06/21/12	4	
#6 Azalea	3	L-11	06/20/12	1		ourself		06/20/12	1	
28 Azela cir	3	L-11	06/20/12	1		ourself		06/20/12	1	
411 Woodland	3	N-10	06/20/12	1		ourself		06/20/12	1	
311 Crouch	3	O-9	06/20/12	1		ourself		06/20/12	1	
2012 W. Sevier	3	M-9	06/20/12	1		ourself		06/20/12	1	
711 N. Market	3	N-11	06/19/12		1	ourself		06/19/12		1
822 Main	3	M-11	06/19/12	1		ourself		06/19/12	1	
108 Dogwood	3	L-11	06/19/12	1		ourself		06/19/12	1	
711 N. Market	3	N-11	06/18/12	2		ourself		06/18/12	2	
917 Heights	3	M-11	06/19/12	1		ourself		06/19/12	1	
909 Heights	3	M-11	06/19/12	1		ourself		06/19/12	1	
1210 Old Hotsprings hy	3	M-11	06/19/12	3		ourself		06/19/12	3	
1229 Old Hotsprings hy	3	M-11	06/19/12	1		ourself		06/19/12	1	
823 Heights	3	M-11	06/19/12	1		ourself		06/19/12	1	
17916 B I-30	3	K-13	06/18/12	1		ourself		06/18/12	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 3

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
815 Crestwood	3	N-11	06/18/12	1		ourself		06/18/12	1	
1500 Sharon rd	3	M-11	06/15/12	1		ourself		06/15/12	1	
1037 Kelly dr	3	K-13	06/15/12	1		ourself		06/15/12	1	
1500 Kelly dr	3	K-13	06/15/12	1		ourself		06/15/12	1	
1320 Sharon rd	3	M-11	06/15/12	1		ourself		06/15/12	1	
2522 Old Congo rd	3	K-13	06/14/12	1		ourself		06/14/12	1	
1311 Orleans court	3	I-13	06/14/12	1		ourself		06/14/12	1	
1718 Deerfield	3	J-13	06/14/12	1		ourself		06/14/12	1	
1617 Deerfield	3	J-13	06/14/12	1		ourself		06/14/12	1	
1427 Orleans ct	3	I-13	06/14/12	1		ourself		06/14/12	1	
1209 Coper Creek	3	I-13	06/14/12		1	06/21/12		07/05/12		1
619 Woodland dr	3	N-10	09/12/12		1	09/12/12		09/21/12		1
419 Maryland dr	3	N-10	06/18/12		1	06/21/12		06/29/12		1
809 Crestwood dr	3	N-11	06/18/12		1	06/21/12		07/05/12		1
121 Crouch	3	O-9	06/20/12		1	06/25/12		06/28/12		1
15228 I-30	3	O-9	06/21/12		1	06/25/12		08/03/12		1
1024 W. Sevier st	3	O-10	06/18/12		1	06/26/12		07/24/12		1
Total for Basin				43	8				43	8

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 4

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1321 W. Maple st	4	O-10	06/28/12	1		07/06/12		07/13/12	1	
1410 W. South st	4	O-10	06/28/12	3		07/06/12		07/25/12	3	
1310 Commerce st	4	Q-10	06/29/12	1		07/06/12		07/10/12	1	
615 Conway	4	N-11	06/27/12	1		ourselves		06/27/12	1	
915 Banner	4	P-10	06/29/12	1		ourselves		06/29/12	1	
1224 Jackman	4	P-10	06/29/12	1		ourselves		06/29/12	1	
1305 W. Maple st	4	O-10	06/28/12	1		ourselves		06/28/12	1	
81 Whispering Pines	4	P-10	06/28/12	1		ourselves		06/28/12	1	
23 Whispering Pines	4	P-10	06/28/12	1		ourselves		06/28/12	1	
34 Whispering Pines	4	P-10	06/28/12	1		ourselves		06/28/12	1	
408 Robinette	4	O-10	06/28/12	1		ourselves		06/28/12	1	
68 Whispering Pines	4	P-10	06/28/12	1		ourselves		06/28/12	1	
609 Jefferson	4	P-10	06/28/12	1		ourselves		06/28/12	1	
1000 Ashley	4	O-10	06/27/12	1		ourselves		06/27/12	1	
204 Dobbs	4	O-10	06/27/12	1		ourselves		06/27/12	1	
201 Conrad	4	O-10	06/27/12	1		ourselves		06/27/12	1	
311 McCright	4	N-11	06/27/12	1		ourselves		06/27/12	1	
315 W. North st	4	N-11	06/27/12	1		ourselves		06/27/12	1	
500 Market	4	N-11	06/27/12	1		ourselves		06/27/12	1	
225 W. Cross	4	O-11	06/27/12	2		ourselves		6/27/2012	2	
818 Cross	4	O-09	6/27/2012	1		ourselves		6/27/2012	1	
709 South st	4	O-11	6/27/2012	1		ourselves		6/27/2012	1	
625 Evans st	4	N-11	6/27/2012	1		ourselves		6/27/2012	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 4

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
802 Cross	4	N-11	6/27/2012	1		ourself		6/27/2012	1	
613 Conway	4	N-11	6/27/2012	1		ourself		6/27/2012	1	
1922 "U"	4	P-09	6/29/2012	1		ourself		6/29/2012	1	
718 Fairfield	4	P-09	6/29/2012	1		ourself		6/29/2012	1	
1111 Banner	4	Q-10	6/29/2012	1		ourself		6/29/2012	1	
911 Banner	4	P-10	6/29/2012	1		ourself		6/29/2012	1	
Jackman	4	Q-09	6/29/2012	1		ourself		6/29/2012	1	
805 Tee	4	P-09	6/29/2012	1		ourself		6/29/2012	1	
Fair Grounds I-30	4	P-09	6/29/2012	1		ourself		6/29/2012	1	
407 W. Cross	4	N-11	6/27/2012	1	1	7/6/2012		7/18/2012	1	1
1309 W Maple	4	O-10	6/28/2012		1	7/6/2012		7/13/2012		1
1301 Maple	4	O-10	6/28/2012		1	7/6/2012		7/13/2012		1
704 W. Ashley	4	O-10	6/27/2012		1	7/6/2012		8/13/2012		1
121 N. Martin	4	O-11	6/27/2012		1	7/6/2012		8/2/2012		1
517 Jefferson	4	P-10	6/28/2012		1	7/6/2012		7/10/2012		1
1421 Jackman st	4	P-10	6/29/2012		1	7/6/2012		7/13/2012		1
1023 Jackman	4	P-10	6/29/2012		1	7/6/2012		7/20/2012		1
1224 Jackman	4	P-10	6/29/2012		1	7/6/2012		7/26/2012		1
1106 Banner	4	Q-10	6/29/2012		1	7/6/2012		7/26/2012		1
Total for Basin				36	10				36	10

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
917 Park	5	M12	06/20/11	1		11/29/11		01/09/12	1	
1215 Military Suite #3	5	M13	06/20/11	1		11/29/11		01/09/12	1	
1019 Candis	5	M13	06/20/11	1		11/29/11		12/12/11	1	
1122 Sunset	5	M13	06/20/11	1		11/29/11		11/30/11	1	
619 Gertrude	5	N12	06/21/11	1		ourself		01/14/12	1	
605 Gertruce	5	N12	06/21/11	1		11/29/11		01/04/12	1	
631 Denton	5	N12	06/21/11	1		ourself		11/29/11	1	
617 Poplar	5	N12	06/20/11	1		11/29/11		11/30/11	1	
715 Watson Lane	5	N12	06/21/11	1		11/29/11		01/04/12	1	
509 Oak Hill	5	N12	06/20/11	1		ourself		06/20/11	1	
504 Oak Hill	5	N12	06/20/11	1		11/29/11		01/04/12	1	
818 Belaire	5	N12	06/22/11	1		ourself		06/22/11	1	
707 Belaire	5	N12	06/22/11	2		11/29/11		01/12/12	2	
112 Fourth	5	N12	06/23/11	1		ourself		12/21/11	1	
915 Montclair	5	N12	06/23/11	1		ourself		06/23/11	1	
868 Montclair	5	N12	06/23/11	1		11/29/11		01/09/12	1	
822 Belair	5	N12	06/22/11	2		11/29/11		12/21/11	2	
304 North	5	N12	06/21/11	1		11/29/11		01/04/12	1	
Empty lot SW of 616 Denton	5	N12	06/21/11	1		ourself		06/21/11	1	
624 North	5	N12	06/21/11	1		11/29/11		12/01/11	1	
818 North	5	N12	06/21/11	1		11/29/11		01/04/12	1	
921 Poplar	5	N12	06/20/11	1		11/29/11		01/04/12	1	
117 E. Cross	5	N12	06/21/11	1		ourself		11/29/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
721 Denton	5	N12	06/21/11	1	1	09/16/11		09/22/11	1	1
NE of 400 Fourth	5	N12	06/23/11		1	ourself		07/11/11		1
703 Belaire	5	N12	06/23/11		1	09/16/11		09/20/11		1
221 Fourth	5	N12	06/23/11		1	09/16/11		09/20/11		1
227 Fourth	5	N12	06/23/11		1	09/16/11		09/27/11		1
108 Fourth	5	N12	06/23/11		1	09/16/11		09/27/11		1
501 Virginia	5	N12	06/24/11		1	06/16/11		09/21/11		1
404 Denton	5	N12	06/24/11		1	09/16/11		09/26/11		1
402 E Carpenter	5	N12	06/21/11		1	09/16/11		09/20/11		1
E Carpenter/Lillian	5	N12	06/21/11		1	09/16/11		09/21/11		1
925 Poplar	5	N12	06/20/11		1	09/16/11		09/22/11		1
309 Lillian	5	N12	06/21/11	1		09/16/11		09/21/11	1	
812 Dalewood	5	N13	06/20/11	1		09/16/11		01/04/12	1	
805 Hester	5	N13	06/20/11	1		09/16/11		01/09/12	1	
11A/11B Hiland	5	N13	06/20/11	1		09/16/11		12/16/11	1	
37A Hiland	5	N13	06/20/11	1		09/16/11		01/20/12	1	
35 Hiland	5	N13	06/20/11	1		09/16/11		11/23/11	1	
609 Terry Circle	5	N13	06/22/11	1		ourself		06/22/11	1	
1000 Montclair	5	N13	06/23/11		1	09/16/11		09/19/11		1
Highland/Whitlock Empty lot	5	N13	06/20/11		1	ourself		06/20/11		1
707 Couch Empty lot to North	5	N13	06/21/11	1		10/07/11		10/13/11	1	
706 Couch	5	N13	06/21/11	1		09/16/11		09/30/11	1	
818 Dalewood	5	N13	06/20/11		1	10/14/11		01/13/12		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
211 Ashley	5	O11	06/27/11	3		09/16/11		11/29/11	3	
219 Smith	5	O11	06/27/11	1		09/16/11		01/06/12	1	
500 Conway	5	O11	06/27/11	1		10/07/11		11/22/11	1	
Ringold Elementary Parking Lot	5	O11	06/27/11	2		10/07/11		11/29/11	2	
210 Carter	5	O11	06/27/11	1		10/07/11		12/27/11	1	
501 West Sevier	5	O11	06/27/11	1		10/07/11		01/04/12	1	
330 Ashley	5	O11	06/27/11	1		09/16/11		09/28/11	1	
617 Maple	5	O11	06/27/11	1		10/07/11		10/13/11	1	
614 Maple	5	O11	06/27/11	1		09/16/11		09/26/11	1	
609 E Sevier	5	O11	06/27/11	1	1	10/07/11		10/28/11	1	1
619 Smith	5	O11	06/27/11		1	09/16/11		10/21/11		1
305 Richards	5	O11	06/27/11	1		09/16/11		09/19/11	1	
Phone Co S Main & W Maple	5	O11	07/07/11	1	2	09/16/11		11/25/11	1	2
301/305 S Main	5	O11	07/07/11	1	1	10/07/11		10/25/11	1	1
225 First	5	O12	06/21/11	1		ourself		06/01/11	1	
220 Conway	5	O12	06/21/11	1		09/16/11		11/30/11	1	
904 Tulane	5	O12	06/23/11	1		09/16/11		01/09/12	1	
115 Fourth	5	O12	06/23/11	1		ourself		06/23/11	1	
310 Firth	5	O12	06/23/11	1		09/16/11		11/29/11	1	
218 Princeton	5	O12	06/12/11	1		ourself		09/20/11	1	
228 Fourth	5	O12	06/23/11	1		09/16/11		12/19/11	1	
307 Fourth	5	O12	06/23/11	1		ourself		12/14/11	1	
203 Third	5	O12	06/24/11	1		ourself		12/05/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
612 E Sevier	5	O12	06/24/11	2		ourself		01/04/12	2	
518 E Sevier	5	O12	06/24/11	1		ourself		01/04/12	1	
226 First	5	O12	06/27/11	1		09/16/11		09/26/11	1	
304 East st	5	O12	06/27/11	1		ourself		01/18/12	1	
206 E. Smith	5	O12	07/20/11	1		ourself		11/22/11	1	
221 East	5	O12	07/20/11		1	09/16/11		11/30/11		1
127 First	5	O12	06/21/11		1	09/16/11		09/20/11		1
218 Princeton	5	O12	06/23/11		1	09/16/11		09/21/11		1
310 Third	5	O12	06/24/11		1	09/16/11		10/05/11		1
515 Second	5	O12	06/24/11		1	09/16/11		09/21/11		1
305 Third	5	O12	06/24/11		1	09/16/11		09/21/11		1
110 Third	5	O12	06/24/11	1		09/16/11		09/21/11	1	
210 Gunn	5	O12	06/27/11		1	09/16/11		09/27/11		1
206 First	5	O12	06/27/11		1	09/16/11		10/04/11		1
East & Conway	5	O12	07/20/11		1	ourself		09/18/11		1
103 N. East	5	O12	07/20/11		1	10/07/11		10/12/11		1
121 E Conway	5	O12	07/20/11	1		10/07/11		10/12/11	1	
519 S East	5	O12	07/20/11	1	1	09/16/11		11/22/11	1	1
1305 Baywood	5	O13	06/22/11	1		09/18/11		01/04/12	1	
1302 Baywood	5	O13	06/22/11	1		09/16/11		11/22/11	1	
116 Winstone	5	O13	06/22/11	1		09/16/11		11/22/11	1	
1300 Baywood	5	O13	06/22/11	1		09/16/11		11/22/11	1	
126 Cox	5	O13	06/22/11	1		ourself		06/22/11	1	
1311 Shirewood	5	O13	06/22/11	1		09/16/11		11/16/11	1	
110 Cox	5	O13	06/22/11	1		ourself		06/22/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
124 Border Circle	5	O13	06/23/11	1		09/22/11		01/04/12	1	
Border/Border Cir	5	O13	06/23/11	1		ourself		06/23/11	1	
Border/Hoover	5	O13	06/22/11		1	09/18/11		10/04/11		1
808 Park	5	O13	06/23/11		1	09/18/11		10/04/11		1
1014 E Sevier	5	O13	06/23/11		1	09/16/11		10/04/11		1
1018 E. Sevier	5	O13	06/23/11		1	09/16/11		09/28/11		1
618 West Brook	5	P11	06/28/11	1		11/18/11		12/21/11	1	
524 Pearl	5	P11	06/27/11	1		11/18/11		11/22/11	1	
619 Pearl	5	P11	06/28/11	1		ourself		06/28/11	1	
406 S Market	5	P11	07/07/11	1		12/13/11		01/04/12	1	
410 S Market	5	P11	07/07/11	1		ourself		07/07/11	1	
813 S Main	5	P11	07/07/11	1		ourself		07/07/11	1	
706 W Hazel	5	P11	07/07/11	1		11/21/11		11/28/11	1	
717 W Hazel	5	P11	07/07/11	1		11/19/11		12/01/11	1	
105 W Hazel	5	P11	07/07/11	1		11/19/11		12/21/11	1	
719 S Market	5	P11	07/07/11	1		10/12/11		12/13/11	1	
810 Guant	5	P11	07/07/11	1		11/22/11		12/21/11	1	
715 Pearl	5	P11	06/28/11		1	10/18/11		12/16/11		1
721 Market	5	P11	06/28/11	1	1	10/17/11		12/13/11	1	1
620 West Brook	5	P11	06/27/11		1	09/28/11		10/28/11		1
309 Pine	5	P11	06/27/11	1		10/07/11		10/11/11	1	
803 Pearl	5	P11	06/28/11		1	10/18/11		11/01/11		1
724 Pearl	5	P11	06/28/11		1	10/25/11		10/25/11		1
710 Pearl	5	P11	06/28/11		1	09/28/11		01/19/12		1
523 W Walnut	5	P11	06/27/11		1	09/28/11		10/07/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
305 Pine	5	P11	06/27/11		1	09/28/11		10/03/11		1
301 Pine	5	P11	6'27/11		1	09/28/11		01/31/12		1
619 Richards	5	P11	06/27/11		1	09/28/11		10/12/11		1
515 Pearl	5	P11	06/27/11		1	09/28/11		10/23/11		1
Burton/Westbrook	5	P11	06/28/11		1	10/07/11		02/07/12		1
703 Pearl	5	P11	06/28/11		1	09/28/11		10/10/11		1
524 S Market	5	P11	06/28/11		1	09/28/11		10/28/11		1
530 S. Main	5	P11	07/07/11	1	1	09/28/11		11/02/11	1	1
530/608 S Main	5	P11	07/07/11		1	09/28/11		10/23/11		1
103 E Elm	5	P11	07/07/11	1	1	09/28/11		10/11/11	1	1
704 S Main	5	P11	07/07/11		1	09/28/11		10/07/11		1
518 S Market	5	P11	07/07/11		1	09/28/11		10/19/11		1
1306 River	5	P11	07/08/11		1	09/28/11		10/19/11		1
208 Lot 3 Elm	5	P11	07/07/11		1	09/28/11		12/13/11		1
719 S Market	5	P11	07/07/11		1	10/12/11		12/13/11		1
804 S Main	5	P11	07/07/11		1	09/28/11		11/02/11		1
719 S Market # 2	5	P11	07/07/11		1	11/16/11		12/13/11		1
210 E. Maple	5	P12	06/22/11	1		11/19/11		11/30/11	1	
516 First	5	P12	06/27/11	1		11/22/11		01/20/12	1	
519 Pearson	5	P12	06/27/11	1		ourself		11/29/11	1	
910 Columbia	5	P12	06/23/11	1		11/14/11		01/09/12	1	
503 Neeley	5	P12	06/23/11	1		ourself		01/09/12	1	
313 Neeley	5	P12	06/23/11	1		ourself		12/21/11	1	
325 Fifth	5	P12	06/23/11	1		ourself		12/21/11	1	
624 Columbia	5	P12	06/24/11		1	11/28/11		12/06/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
507 Second	5	P12	06/24/11	1		11/21/11		12/21/11	1	
221 E Maple	5	P12	06/27/11		1	09/28/11		10/19/11		1
408 First	5	P12	06/27/11		1	09/28/11		10/19/11		1
414 S. First	5	P12	06/27/11		1	10/07/11		10/17/11		1
608 S. First	5	P12	06/27/11		1	10/03/11		10/28/11		1
722 Columbia	5	P12	06/23/11		1	ourself		10/17/11		1
318 Edison	5	P12	06/23/11		1	10/07/11		11/01/11		1
326 Fifth	5	P12	06/23/11		1	09/28/11		11/07/11		1
407 Fourth	5	P12	06/24/11	1	1	10/07/11		01/13/11	1	1
420 2nd st	5	P12	06/24/11		1	09/28/11		10/07/11		1
424 Schely	5	P12	06/24/11		1	09/28/11		10/11/11		1
Third/Columbia	5	P12	06/24/11		1	ourself		10/28/11		1
706 Center	5	P12	07/07/11		1	09/28/11		11/04/11		1
1616 Hudson	5	P13	06/22/11	1		09/28/11		11/28/11	1	
512 Border	5	P13	06/22/11	1		ourself		01/05/12	1	
1411 Columbia	5	P13	06/22/11	1		11/18/11		11/29/11	1	
420 Algood	5	P13	06/22/11	1		09/28/11		01/09/12	1	
1119 Cherry	5	P13	06/22/11	1		01/04/12		01/11/12	1	
406 South Border	5	P13	06/22/11	1		11/18/11		11/28/11	1	
1218 Cherry	5	P13	06/22/11	1		12/05/11		12/06/11	1	
1102 Gray	5	P13	07/08/11	1		12/15/11		01/09/12	1	
614 Revis	5	P13	06/22/11		1	10/19/11		10/25/11		1
1602 Hudson	5	P13	06/22/11	1		09/28/11		10/03/11	1	
510 Algood	5	P13	06/22/11		1	09/28/11		10/03/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
Empty lot north of 503 Cox	5	P13	06/22/11		1	ourself		10/07/11		1
1223 Cherry	5	P13	06/22/11		1	09/28/11		10/03/11		1
1303 Gray st	5	P13	07/08/11		3	10/07/11		10/28/11		3
211 Johnson	5	Q12	07/12/11	1		ourself		01/06/12	1	
328 Clark	5	Q12	07/13/11		1	ourself		11/01/11		1
316 Reed St	5	Q12	07/12/11	1		ourself		12/07/11	1	
211 Reed St	5	Q12	07/12/11	1		ourself		01/06/12	1	
1215 Liberty	5	Q12	07/11/11	1		ourself		11/18/11	1	
Vacant house next to 219 Clark	5	Q12	07/13/11	1		ourself		11/18/11	1	
303 Palm	5	Q12	07/13/11	1		11/21/11		01/11/12	1	
Old Shop behind 303 Palm	5	Q12	07/13/11	1		ourself		11/30/11	1	
1507 Oak	5	Q12	07/12/11	1		11/23/11		12/14/11	1	
916 Ridge	5	Q12	07/13/11	1		11/18/11		12/02/11	1	
1411 Neely	5	Q12	07/13/11	1		ourself		11/23/11	1	
Open Lot on Gravel/Liberty	5	Q12	07/11/11		1	ourself		01/04/12		1
Across from 1315 Stewart	5	Q12	07/11/11		1	ourself		01/27/12		1
1418 Cedar	5	Q12	07/12/11		1	10/07/11		10/28/11		1
1300 Liberty	5	Q12	07/11/11	1		09/28/11		10/03/11	1	
2nd Open Lot on Gravel/Liberty	5	Q12	07/11/11		1	10/07/11		11/02/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
303 Reed St	5	Q12	07/12/11	1	1	11/25/11		11/30/11	1	1
103 Johnson	5	Q12	07/12/11		1	ourself		12/07/11		1
115 Johnson	5	Q12	07/12/11		1	10/07/11		10/12/11		1
1420 Cedar	5	Q12	07/12/11		1	09/28/11		10/04/11		1
Vacant lot Liberty/Palm	5	Q12	07/13/11	1	1	11/18/11		11/30/11	1	1
Vacant lot Stewart/Palm	5	Q12	07/13/11		1	11/18/11		11/30/11		1
328 Clark	5	Q12	07/13/11		1	ourself		01/04/12		1
Abandoned House Place Next to 1307 Liberty	5	Q12	07/11/11		1	11/18/11		11/30/11		1
1307 Liberty	5	Q12	07/11/11		1	09/28/11		10/03/11		1
1304 Cedar	5	Q12	07/11/11	2		09/28/11		10/03/11	2	
Vacant Lot Palm/Webster	5	Q12	07/13/11	1		11/18/11		11/30/11	1	
1111 Stewart	5	Q12	07/11/11		1	09/16/11		01/27/12		1
1107 Stewart	5	Q12	07/11/11		2	09/16/11		10/25/11		2
608 Gravel st	5	Q12	07/11/11		1	10/07/11		10/27/11		1
near 1101 East	5	Q12	07/12/11		1	ourself		11/30/11		1
Clark/East	5	Q12	07/12/11		1	ourself		11/30/11		1
Abandoned House place corner Oak/Reed	5	Q12	07/12/11		1	ourself		11/30/11		1
Palm/Webster	5	Q12	07/13/11		1	ourself		11/30/11		1
Palm - Lot 1/2 way bet Stewart & Liberty	5	Q12	07/13/11		1	ourself		11/02/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1505 Oak	5	Q12	07/12/11		1	09/16/11		09/21/11		1
1406 Cedar	5	Q12	07/12/11		1	10/07/11		10/28/11		1
2018 River	5	R10	07/08/11	1		11/21/11		12/20/11	1	
419 S Richards	5	R11	07/08/11	1		11/19/11		12/21/11	1	
417 S Richards	5	R11	07/08/11	1		11/19/11		12/21/11	1	
520 Woodlawn	5	R11	07/08/11		2	10/19/11		11/02/11		2
1712 Liberty	5	R12	07/12/11	1		11/18/11		12/21/11	1	
1517 Stewart	5	R12	07/12/11	1		09/16/11		10/03/11	1	
1316 Reed	5	R12	07/12/11	1		ourself		07/12/11	1	
309 Valley	5	R12	07/11/11	1		ourself		11/16/11	1	
1413 Dixie	5	R12	07/11/11	1		11/21/11		11/30/11	1	
Woodlawn & Dixie	5	R12	07/11/11		1	ourself		11/18/11		1
1616 Grove	5	R12	07/11/11		1	10/19/11		11/25/11		1
1718 Dixie	5	R12	07/11/11	1	1	10/19/11		11/16/11	1	1
2nd Dixie & Woodlawn	5	R12	07/11/11		1	ourself		11/18/11		1
311 Woodlawn	5	R12	07/11/11		1	10/07/11		11/01/11		1
300 Valley	5	R12	07/11/11		1	10/07/11		10/25/11		1
1502 Dixie	5	R12	07/11/11		1	09/28/11		10/25/11		1
1417 Gum	5	R12	07/12/11		1	10/07/11		10/19/11		1
Vacant lot near 1614 Liberty	5	R12	07/12/11		1	ourself		11/18/11		1
Vacant lot across from 1608 Gum	5	R12	07/12/11		1	ourself		11/18/11		1
1519 Stewart	5	R12	07/12/11		1	11/21/11		11/28/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 5

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
Old house place on Stewart	5	R12	07/12/11		1	ourself		11/18/11		1
223 Thompson	5	R13	07/11/11	1		09/28/11		11/18/11	1	
Old house place near 1601 Dixie	5	R13	07/11/11	1		09/28/11		11/18/11	1	
Benton Child Development on Dixie	5	R13	07/11/11	1		09/28/11		11/18/11	1	
Benton Child Dev on DixieThompson	5	R13	07/11/11	1		09/28/11		10/11/11	1	
End of Thompson	5	R13	07/11/11		1	09/28/11		10/11/11		1
Abandoned House Pl Woodlawn No Address	5	R13	07/11/11		1	09/28/11		11/18/11		1
2nd Abandoned House Place Woodlawn	5	R13	07/11/11		1	09/28/11		10/11/11		1
228 Valley	5	R13	07/11/11		1	09/28/11		10/11/11		1
Total for Basin				140	121				140	121

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 6

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1117 Hwy 35	6	Q-13	08/10/11	1		11/29/11		12/13/11	1	
1420 Crest	6	Q-13	08/10/11	1		11/29/11		01/07/12	1	
1818 Bennett	6	R-13	08/10/11	1		11/29/11		01/07/12	1	
1605 Sorrell	6	R-13	08/08/11	1		11/29/11		12/16/11	1	
922 Reed	6	Q-13	08/09/11	1		11/29/11		12/12/11	1	
0600 Cedar	6	R-12	08/08/11		1	ourself		12/02/11		1
Corner of Thompson & Cedar	6	R-12	08/08/11		1	ourself		12/02/11		1
1606 Neeley	6	R-12	08/08/11		1	ourself		12/02/11		1
608 Hickory	6	R-12	08/08/11		1	ourself		12/02/11		1
1706 Neely	6	R-12	08/08/11		3	ourself		12/02/11		3
2122 Kay st	6	S-14	08/10/11	1		12/02/11		12/12/11	1	
Total for Basin				6	7				6	7

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 7

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1814 Chatfield	7	R14	08/03/11		1	11/29/11		12/19/11		1
1507 Country Oaks	7	R16	08/03/11	1		11/29/11		12/08/11	1	
1328 Oakview	7	Q14	08/02/11	1		ourselves		08/02/11	1	
1725 Overview	7	Q15	08/02/11	1		11/29/11		12/07/11	1	
3825 Silica Heights	7	Q16	08/03/11		1	11/29/11		12/13/11		1
1126 Summit	7	Q16	08/03/11		1	ourselves		12/20/11		1
Empty Lot North of 1208 Summit	7	Q16	08/03/11		1	ourselves		12/20/11		1
2315 Prysock	7	S14	08/08/11	1	1	11/29/11		01/09/12	1	1
2209 Kay Rd	7	S14	08/08/11		1	11/29/11		12/05/11		1
Total for Basin				4	6				4	6

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 8

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
413 Damon	8	P-15	07/15/12	1		07/27/12		08/02/12	1	
4220 Edison Ave	8	P-16	07/16/12	1		07/27/12		07/30/12	1	
1015 Blaylock	8	Q-14	08/16/12	1		ourself		08/16/12	1	
Corner of Yuma/Bristol	8	Q-15	07/18/12		1	ourself		07/18/12		1
3904 Edison	8	P-16	07/19/12	3		ourself		07/19/12	3	
3704 Chamray Pl	8	P-16	07/17/12	1		ourself		07/17/12	1	
3706 Edison Ave	8	P-16	07/16/12	1		ourself		07/16/12	1	
3019 Silica Heights	8	Q-15	07/20/12	1		ourself		07/20/12	1	
1002 Canterbury	8	Q-15	07/20/12	1		ourself		07/20/12	1	
2120 Silica Heights	8	Q-14	07/19/12	1		ourself		07/19/12	1	
2320 Silica Heights	8	Q-15	07/19/12	1		ourself		07/19/12	1	
1002 Canterbury	8	Q-15	07/18/12	2		ourself		07/18/12	2	
507 Pope st	8	P-15	07/18/12	1		ourself		07/18/12	1	
822 Church st	8	Q-15	07/18/12	2		ourself		07/18/12	2	
2711 Bristol	8	Q-15	07/18/12	2		ourself		07/18/12	2	
#9 N. Summit	8	O-16	07/16/12	1		ourself		07/16/12	1	
#5 N. Summit	8	O-16	07/16/12	1		ourself		07/16/12	1	
N. Summit	8	O-16	07/16/12	1		ourself		07/16/12	1	
323 Autumn	8	N-16	07/16/12	1		ourself		07/16/12	1	
4462 Aronfield	8	P-16	07/16/12	1		ourself		7/16/2012	1	
300 Aronfield	8	P-16	7/16/2012	1		ourself		7/16/2012	1	
3510 Hampton dr	8	P-16	7/16/2012	1		ourself		7/16/2012	1	
3715 Edison Ave	8	P-16	7/17/2012	1		ourself		7/17/2012	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 8

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
414 Pope	8	P-15	7/18/2012	1		ourself		7/18/2012	1	
507 Shady	8	P-15	7/18/2012	1		ourself		7/18/2012	1	
3723 Fernwood	8	N-16	7/16/2012		1	7/27/2012		8/28/2012		1
Total for Basin				29	2				29	2

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 9

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1120 N Shady Lane	9	M15	08/01/11	1		11/29/11		12/09/11	1	
3215 Coats Rd	9	M15	08/01/11	1		11/29/11		12/13/11	1	
1120 Shady Lane	9	M15	08/01/11	1		11/29/11		08/01/11	1	
1005 Shady Lane	9	N15	08/01/11	1		11/29/11		12/07/12	1	
2989 Wildwood	9	N15	08/01/11	1		08/01/11		01/12/12	1	
2607 Cherry Crossing	9	N15	08/01/11	1		11/29/11		12/19/11	1	
3515 Coats	9	M15	08/01/11		1	12/02/11		01/17/12		1
3003 Wildwood Dr	9	O15	08/01/11		1	12/07/11		01/09/12		1
Total for Basin				6	2				6	2

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
3913 Sandra	10	H14	05/31/11	1		09/01/11		10/12/11	1	
4206 Glenda Lane	10	H14	05/31/11	1		ourselves		05/31/11	1	
4325 Angela Circle	10	H14	05/31/11		1	08/29/11		09/07/11		1
1922 E. Longhills	10	H14	05/31/11		1	08/29/11		09/23/11		1
1708 Long hills	10	I13	05/31/11		1	08/29/11		09/13/11		1
1821Pinecroft	10	I14	05/31/11	1		09/01/11		09/09/11	1	
2200 Fox Trail	10	I14	05/31/11	1		09/01/11		09/19/11	1	
1614 Thomas	10	I14	06/01/11	1		09/01/11		09/26/11	1	
1620 Leawood	10	I14	05/31/11	1		09/01/11		09/28/11	1	
Dark Forrest Condos Apt #1	10	I14	05/31/11	1		09/01/11		05/31/11	1	
1815 Longhills	10	I14	05/31/11	1		09/01/11		09/28/11	1	
4230 Ginger	10	I14	05/31/11	1		09/01/11		09/07/11	1	
1820 Pinecroft	10	I14	05/31/11		1	08/21/11		09/09/11		1
Dark Forrest Place Apt #19	10	I14	05/31/11		1	09/01/11		09/29/11		1
2112 Thomas	10	I14	06/01/11		3	09/01/11		ourselves		3
3114 Arch	10	I14	06/01/11		1	08/29/11		09/21/11		1
1822 Leawood	10	I14	05/31/11		1	08/29/11		09/13/11		1
BP Car Wash	10	I14	06/01/11		1	08/29/11		09/28/11		1
2008 Longhills	10	I14	05/31/11		1	08/29/11		09/06/11		1
Old Malco Motors 19711 i30 Service Road	10	I15	06/02/11	1		09/01/11		09/28/11	1	
Lander's Ford, I-30 East	10	I15	06/02/11	1		09/01/11		09/12/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
Congo Stove Works	10	I15	06/02/11	1		09/01/11		09/13/11	1	
I-30 E Service Rd	10	I15	06/02/11	2		ourself		06/02/11	2	
2909 Military	10	J14	06/01/11	1		09/01/11		09/14/11	1	
Co-Op I-30 Service Road	10	J14	06/01/11	1		09/01/11		09/12/11	1	
W of 1708 Thomas Rd	10	J14	06/01/11		1	09/01/11		09/14/11		1
1919 Deerfield Rd	10	J14	06/01/11	1		08/29/11		09/08/11	1	
3250 Drake Dr	10	J14	06/01/11	1		09/01/11		09/30/11	1	
I-30 Courts, Storage 133	10	J14	06/01/11	1		09/01/11		9/12/11	1	
I-30 Courts, Storage 119	10	J14	06/01/11	1		09/01/11		09/12/11	1	
3222 Arch (Side)	10	J14	06/01/11	1		09/01/11		09/29/11	1	
Across from 2017 Thomas	10	J14	06/01/11	1	1	08/29/11		09/28/11	1	1
1916 Deerfield	10	J14	06/01/11	1				06/01/11	1	
18828 I30	10	J14	06/01/11		1	08/29/11		09/08/11		1
3222 Arch St (Back)	10	J14	06/01/11	1	1	08/29/11		09/30/11	1	1
2802 Millbrook	10	J15	06/06/11	1				06/06/11	1	
3007 Tara	10	J15	06/02/11	1		09/01/11		09/16/11	1	
1314 Green	10	K13	06/08/11	1				06/08/11	1	
14146 Kyle/Longview	10	K13	06/08/11	1		09/01/11		09/30/11	1	
2101 Old Congo	10	K13	06/08/11	1		09/01/11		09/23/11	1	
2410 Military	10	K14	06/08/11	1		09/01/11		09/29/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
2624 Meadow Lane	10	K14	06/06/11	1		09/01/11		09/16/11	1	
Wright Produce 2421 Military Rd	10	K14	06/06/11	1		09/01/11		06/06/11	1	
2212 East Lake View	10	K14	06/07/11	1		08/29/11		09/08/11	1	
2709 Military	10	K14	06/07/11	1		08/29/11		09/28/11	1	
2627 Meadow Lane	10	K14	06/07/11		1	08/29/11		09/26/11		1
AGM 18525 I-30	10	K14	06/07/11		1	08/29/11		09/28/11		1
Across from 2419 Carwin	10	K15	06/06/11	1		09/01/11		09/07/11	1	
2523 North Shore	10	K15	06/06/11	1		09/01/11		10/14/11	1	
2201 North Shore	10	K15	06/06/11	1	1	08/29/11		09/08/11	1	1
2600 Greenbrier	10	K15	06/06/11		1	08/29/11		09/08/11		1
1314 Green	10	L13	06/20/11	4		09/01/11		09/13/11	4	
1604 Cedar Hurst	10	L13	06/09/11	1		09/01/11		09/15/11	1	
2006 East Lakeview	10	L14	06/07/11	1		09/01/11		09/12/11	1	
1908 East Lakeview	10	L14	06/07/11	1		09/01/11		09/14/11	1	
2106 Cedar Ridge	10	L14	06/08/11	1		09/01/11		10/12/11	1	
1811 East Lakeview	10	L14	06/07/11	1		ourself		06/07/11	1	
1922 East Lakeview	10	L14	06/07/11		1	08/29/11		09/09/11		1
2015 Southshore	10	L14	06/08/11		1	08/29/11		12/24/11		1
Between 1714 & 1723 West Lakeview	10	L14	06/08/11		1	09/01/11		09/14/11		1
1806 Eagle Point Way	10	L15	06/07/11	1		09/01/11		09/19/11	1	

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
2605 Mt Vernon	10	L15	06/08/11	1		09/01/11		06/08/11	1	
3073 Galloway Dr	10	L15	06/08/11	1		09/01/11		09/22/11	1	
2112 Redwood	10	L15	06/08/11	1		09/01/11		09/14/11	1	
1418 Leon	10	M13	06/13/11	1		09/01/11		09/08/11	1	
1111 Griffey	10	M13	06/09/11	1		09/01/11		09/13/11	1	
1013 Shangrila	10	M13	06/13/11	1		09/01/11		06/13/11	1	
1402 Alcoa (Hester)	10	M13	06/13/11	1		09/01/11		09/28/11	1	
1406 Jameson	10	M13	06/20/11	1		09/01/11		09/08/11	1	
1201 Jameson	10	M13	06/20/11	1		09/01/11		06/20/11	1	
1219 Jameson	10	M13	06/20/11	1		09/01/11		09/08/11	1	
1006 Hester	10	M13	06/13/11	1		08/29/11		09/19/11	1	
1705 Jameson	10	M13	06/09/11		1	08/29/11		09/14/11		1
1402 Cornett	10	M13	06/13/11		1	08/29/11		09/21/11		1
1724 Lynwood	10	M13	06/13/11	2		08/29/11		09/14/11	2	
1309 Brookview	10	M14	06/09/11	1		09/01/11		09/22/11	1	
2014 Linwood	10	M14	06/09/11	1		09/01/11		09/15/11	1	
1010 Edgehill	10	M14	06/09/11	1		ourself		06/09/11	1	
1014 Edgehill	10	M14	06/09/11	1		ourself		06/09/11	1	
1504 Chris	10	M14	06/13/11	2		ourself		06/13/11	2	
1210 Chris	10	M14	06/13/11	1	1	08/29/11		10/10/11	1	1
1623 Brookview	10	M14	06/09/11	1	1	08/29/11		09/15/11	1	1
1113 Edgehill	10	M14	06/09/11		1	08/29/11		09/14/11		1
1119 Edgehill	10	M14	06/09/11		1	08/29/11		09/23/11		1
1003 Watson	10	M14	06/09/11		1	08/29/11		09/06/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
2305 Westbury	10	M15	06/13/11	1		ourself		06/13/11	1	
2521 Alcoa (2609?)	10	M15	06/13/11	1		09/01/11		09/19/11	1	
1125 Hicks	10	M15	06/13/11	1		09/01/11		09/28/11	1	
618 Newcomb	10	N13	06/14/11	1		ourself		06/14/11	1	
616 Newcomb Circle	10	N13	06/14/11	1		ourself		06/14/11	1	
622 Newcomb	10	N13	06/14/11	1		09/01/11		09/12/11	1	
626 Newcomb Circle	10	N13	06/14/11	2		09/01/11		09/26/11	2	
705 Ryan	10	N13	06/14/11	2		09/01/11		9/23/11	2	
521 Newcomb	10	N13	06/14/11		2	08/29/11		09/26/11		2
622 Houston	10	N13	06/14/11	1	1	08/29/11		09/23/11	1	1
402 Wanda	10	N14	06/15/11	1		09/01/11		09/06/11	1	
1906 Harmon	10	N14	06/15/11	1		09/01/11		09/12/11	1	
712 Fernwood	10	N14	06/14/11	1		09/01/11		09/07/11	1	
823 Edgehill	10	N14	06/14/11	1		09/01/11		09/19/11	1	
820 Rosewood	10	N14	06/14/11	1		09/01/11		09/28/11	1	
801 Fernwood	10	N14	06/14/11	1		09/01/11		09/19/11	1	
715 Fernwood	10	H14	05/31/11		1	09/01/11		09/30/11		1
608 Fernwood	10	N14	06/14/11	1		09/01/11		09/08/11	1	
819 Edgehill	10	N14	06/14/11	1		09/01/11		09/12/11	1	
410 Wanda	10	N14	06/14/11	1		09/01/11		09/09/11	1	
500 Rosewood	10	N14	06/14/11	1		ourself		06/14/11	1	
511 Rosewood	10	N14	06/15/11		1	09/01/11		10/12/11		1
821 Edgehill	10	N14	06/14/11		1	09/01/11		10/12/11		1
820 Edgehill	10	N14	06/14/11		1	10/14/11		10/31/11		1

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 10

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
1814 Rosewood	10	N14	06/14/11		2	08/29/11		10/04/11		2
701 Fernwood	10	N14	06/14/11		1	08/29/11		09/26/11		1
409 Wanda	10	N14	06/15/11	1	1	08/29/11		09/13/11	1	1
1623 Brookview	10	N14	06/09/11	1		08/29/11		09/15/11	1	
1001 Hicks	10	N15	06/13/11	1		09/01/11		09/06/11	1	
1307 Chris	10	N15	06/13/11	1		09/01/11		09/12/11	1	
2400 Pleasant Forest Dr	10	O14	06/15/11	1		09/01/11		09/28/11	1	
311 Rosewood	10	O14	06/15/11	1		ourself		06/15/11	1	
2288 Pleasant Forrest	10	O14	06/15/11	1		ourself		06/15/11	1	
Total for Basin				96	41				96	41

BENTON UTILITIES SERVICE LINE REPAIR RECORD BASIN 11

STREET ADDRESS	Basin No.	Grid No.	Date Smoke Tested	Clean Out Leaks	Service Line Leaks	Date Owner Notified Repair Required	Date Repair Inspected Still Not Acceptable	Date Repair Inspected & Accepted	Clean Out Repaired	Service Line Repaired
7704 Worth Ave	11	B18	07/18/11	1		11/29/11		01/06/12	1	
5509 Lexington	11	C18	07/18/11	1		ourself		07/18/11	1	
5523 Village loop	11	C19	07/18/11	1		12/02/11		12/13/11	1	
5501 St Regis Unit 1	11	C19	07/18/11	1		ourself		07/18/11	1	
6715 Worth	11	E17	07/18/11	1		12/02/11		12/08/11	1	
6112 Worth	11	E18	07/19/11	1		12/02/11		12/08/11	1	
603 Hwy 5 North	11	G15	07/22/11	1		11/29/11		01/11/12	1	
2807 Spyglass	11	H15	07/21/11	1		11/29/11		12/06/11	1	
3503 Hemlock Cove	11	J16	07/22/11	1		11/29/11		01/11/12	1	
3394 Bay Meadow	11	J16	07/22/11	1		11/29/11		12/07/11	1	
4015 Evergreen	11	J16	07/22/11	1		ourself		07/22/11	1	
6101 Alcoa Rd	11	J17	07/22/11	2		12/01/11		12/09/11	2	
4322 Brandy Dr	11	K17	07/22/11	1		11/29/11		12/20/11	1	
Total for Basin				14	0				14	0



ARKANSAS
Department of Environmental Quality

Hand Delivered Mail Receipt

Date	8/12/13
Division	Water
Sender	Benton Utilities
Received By	Miles Johnson