



Colorado Springs Utilities
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Pueblo County 1041 Permit

**Expenditures for Wastewater System
Improvements**

Annual Progress Report

January 28, 2011

Reporting for the period between January 1, 2010 and December 31, 2010.

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Introduction

On March 18, 2009 the Pueblo Board of County Commissioners passed Resolution No. P&D 09-22, approving 1041 Permit No. 2008-002 with terms and conditions for construction of the Southern Delivery System water project within Pueblo County, Colorado.

1041 Permit Condition No.7 requires that Springs Utilities provide an annual report to the Pueblo County Board of Commissioners on or before January 31 of each year reporting the Wastewater System Improvement expenditures from January 1 through December 31. Condition No.7 of the permit states:

Expenditures for Wastewater System Improvements

In order to continue its efforts to protect against future spills to Fountain Creek, to increase its opportunities for reuse, and to mitigate possible water quality impacts by the SDS Project to Fountain Creek, Colorado Springs Utilities shall commit to invest an additional seventy-five million dollars (\$75,000,000) in its wastewater system. Expenditures will be made as part of the wastewater collection system rehabilitation programs or wastewater reuse systems between January 1, 2010 and December 31, 2024 as required. These expenditures shall be for projects not currently required by other regulatory permits, agency enforcement or court orders, consent agreements, or governmental regulations existing as of January 30, 2010. These expenditures will include the Local Collector Evaluation and Rehabilitation Program (LCERP) for the improvement and fortification of wastewater lines which could adversely affect Fountain Creek or its tributaries. These expenditures are subject to annual appropriation by the Colorado Springs City Council. Beginning in 2010, by January 31 of each year, Colorado Springs Utilities shall provide an annual report to Pueblo County describing such expenditures for the prior year.

The Wastewater Collection System Rehabilitation Programs are comprehensive programs that systematically inspect, evaluate, prioritize, and rehabilitate the entire Springs Utilities collection system. In 2010 the projects that met the terms of Condition No. 7 are: 1) the Local Collectors Evaluation and Rehabilitation Project (LCERP); 2), the Manhole Evaluation and Rehabilitation Project (MHERP); and 3) the Collection System Rehabilitation and Replacement Project (R&R). These projects are independent of Springs Utilities' normal operation and maintenance programs.

The Wastewater Reuse System consists of several pumping stations, storage reservoirs, holding ponds transmission mains and a tertiary treatment facility.

Project Descriptions

Local Collectors Evaluation and Rehabilitation Project (LCERP)

LCERP consists of the systematic evaluation and rehabilitation of sewer collection pipes less than 10-inch in diameter.

LCERP:

- Determines the condition of all the sanitary sewer pipe segments less than 10-inches in diameter and places them by priority on a schedule to be re-inspected, rehabilitated, repaired and/or replaced.
- Reduces the risk of Sanitary Sewer Overflows (SSO's)
- Is part of the overall long-term investments to our wastewater system through the year 2025.

LCERP repaired or rehabilitated approximately 120,304 feet of less than 10-inch sewer pipe, representing approximately 485 line segments, at a cost of \$8,408,146.00 in 2010.

Manhole Evaluation and Rehabilitation Project (MHERP)

MHERP has been developed as a comprehensive program to provide the rehabilitation of sanitary sewer manholes throughout the Springs Utilities wastewater collection system

MHERP:

- Is designed to reducing the risk of spills, stoppages and SSOs
- Reduces infiltration and inflow at manholes throughout collection system.

MHERP repaired or rehabilitated approximately 281 manholes, at a cost of \$943,909.00 in 2010.

Collection System Rehabilitation and Replacement Project (R&R)

The R&R project rehabilitates or replaces large diameter (greater than 10-inch) sewer pipe that were installed after January 1, 1994¹.

R&R:

- Is designed to facilitate operations, increase capacity, and upgrade the system
- Focuses on the reduction of sanitary sewer overflows and stoppages
- Reduces the risk of spills and protecting the public health and environment.

The R&R project rehabilitated or upsized approximately 1,322 feet of greater than 10-inch sewer pipe, at a cost of \$201,008.00, in 2010.

Wastewater Reuse System

Colorado Springs maintains a tertiary treatment facility along with a non-potable distribution system.

Wastewater Reuse Systems:

- Delivers tertiary-treated wastewater to parks, cemeteries, golf courses and commercial properties for landscape irrigation
- Tertiary treated wastewater is also delivered to Drake Power Plant for evaporative cooling
- Includes supplies from raw surface water, groundwater, and reclaimed water

In 2010, normal operation and maintenance of the reuse system was conducted, and \$49,135.12 was spent on piping, valves and PRV's that will supply the Drake Power Plant evaporative coolers with JD Phillips Reuse Facility tertiary treated water.

Summary

During the reporting period of January 1, 2010, through December 31, 2010, costs for LCERP, MHERP, R&R programs and Reuse improvements totaled \$9,602,198.12

¹ The Sanitary Sewer Evaluation and Rehabilitation Program, which includes large diameter pipe installed prior to 1994, and the Sanitary Sewer Creek Crossing Project are compliance order Wastewater Collection System Rehabilitation Programs that do not meet the terms of Condition No. 7. The forgoing compliance activities resulted in an expenditure of \$5.66M in 2010.

Appendix A

2010 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.162240	1664611	8	192	CIPP	WEST SIDE	5/28/10
WW.164295	1664609	8	164	CIPP	WEST SIDE	5/28/10
WW.156080	1670411	8	181	CIPP	WEST SIDE	6/10/10
WW.164290	1709985	8	144	CIPP	WEST SIDE	6/29/10
WW.141820	1710211	8	505	CIPP	WEST SIDE	5/26/10
WW.150042	1710207	8	212	CIPP	WEST SIDE	6/16/10
WW.150044	1712256	8	237	CIPP	WEST SIDE	6/16/10
WW.137707	1715584	8	121	CIPP	WEST SIDE	5/28/10
WW.135761	1662774	8	240	CIPP	WEST SIDE	5/27/10
WW.152180	1668114	8	301	CIPP	WEST SIDE	6/9/10
WW.139696	1707598	8	498	CIPP	WEST SIDE	6/8/10
WW.153996	1833463	8	106	CIPP	WEST SIDE	6/9/10
WW.137701	1712004	8	288	CIPP	WEST SIDE	6/9/10
WW.150034	1707604	8	300	CIPP	WEST SIDE	6/21/10
WW.139697	1707601	8	345	CIPP	WEST SIDE	6/8/10
WW.135428	1707603	8	160	CIPP	WEST SIDE	5/27/10
WW.150017	1658050	8	307	CIPP	WEST SIDE	5/28/10
WW.164255	1660122	8	156	CIPP	WEST SIDE	5/25/10
WW.137748	1660110	8	235	CIPP	WEST SIDE	5/24/10
WW.135412	1694173	8	450	CIPP	WEST SIDE	6/8/10
WW.145946	1695374	8	181	CIPP	WEST SIDE	6/23/10
WW.153986	1697700	8	77	CIPP	WEST SIDE	6/23/10
WW.158661	1703385	8	452	CIPP	WEST SIDE	7/8/10
WW.189452	1705184	8	249	CIPP	WEST SIDE	6/29/10
WW.156043	1705181	8	255	CIPP	WEST SIDE	5/27/10
WW.135413	1705182	8	225	CIPP	WEST SIDE	5/27/10
WW.162703	1705222	8	127	CIPP	WEST SIDE	5/25/10
WW.151995	1707157	8	194	CIPP	WEST SIDE	6/23/10
WW.162220	1707162	8	163	CIPP	WEST SIDE	6/30/10
WW.145952	1707592	8	178	CIPP	WEST SIDE	7/2/10
WW.180399	1712020	8	342	CIPP	WEST SIDE	6/10/10
WW.156063	1713288	8	400	CIPP	WEST SIDE	6/17/10
WW.148012	1722178	8	230	CIPP	WEST SIDE	7/2/10
WW.160174	1714696	8	213	CIPP	WEST SIDE	6/24/10
WW.135416	1715822	8	482	CIPP	WEST SIDE	6/7/10
WW.168685	1715820	8	241	CIPP	WEST SIDE	5/26/10
WW.168691	1866642	8	238	CIPP	WEST SIDE	5/26/10
WW.141789	1852326	8	165	CIPP	WEST SIDE	5/26/10
WW.151188	1687571	8	188	CIPP	WEST SIDE	6/30/10
WW.133774	1715824	8	220	CIPP	WEST SIDE	5/28/10
WW.153979	1832504	8	363	CIPP	WEST SIDE	6/11/10
WW.145959	1672610	8	486	CIPP	WEST SIDE	5/26/10
WW.135442	1832515	8	153	CIPP	WEST SIDE	6/25/10
WW.153971	1681788	8	386	CIPP	WEST SIDE	5/27/10
WW.140922	1687574	8	363	CIPP	WEST SIDE	5/27/10
WW.164389	1687576	8	276	CIPP	WEST SIDE	5/26/10
WW.158184	1687580	8	250	CIPP	WEST SIDE	5/26/10
WW.156072	1690064	8	157	CIPP	WEST SIDE	5/27/10
WW.143853	1722179	8	250	CIPP	WEST SIDE	5/24/10
WW.143855	1722180	8	289	CIPP	WEST SIDE	5/25/10
WW.152012	1722308	8	162	CIPP	WEST SIDE	6/7/10
WW.156053	1722309	8	179	CIPP	WEST SIDE	6/7/10
WW.135445	1722313	8	261	CIPP	WEST SIDE	6/7/10
WW.162209	1722321	8	470	CIPP	WEST SIDE	5/25/10
WW.164271	1722203	8	188	CIPP	WEST SIDE	7/1/10
WW.160182	1722181	8	200	CIPP	WEST SIDE	6/7/10
WW.160184	1722306	8	477	CIPP	WEST SIDE	5/28/10
WW.135449	1722185	8	467	CIPP	WEST SIDE	6/10/10
WW.135455	1722202	8	329	CIPP	WEST SIDE	6/9/10
WW.137678	1722324	8	368	CIPP	WEST SIDE	6/11/10
WW.143851	1723439	8	225	CIPP	WEST SIDE	6/15/10
WW.148138	1723442	8	294	CIPP	WEST SIDE	6/14/10
WW.150026	1723472	8	133	CIPP	WEST SIDE	6/9/10
WW.137691	1723473	8	297	CIPP	WEST SIDE	5/24/10

2010 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.162226	1723491	8	222	CIPP	WEST SIDE	5/24/10
WW.152032	1723485	8	246	CIPP	WEST SIDE	6/10/10
WW.153981	1723739	8	96	CIPP	WEST SIDE	6/15/10
WW.158173	1723740	8	86	CIPP	WEST SIDE	6/15/10
WW.135453	1723743	8	86	CIPP	WEST SIDE	6/14/10
WW.139706	1723744	8	166	CIPP	WEST SIDE	6/14/10
WW.156055	1723745	8	219	CIPP	WEST SIDE	6/14/10
WW.135460	1723746	8	184	CIPP	WEST SIDE	6/14/10
WW.156057	1723748	8	211	CIPP	WEST SIDE	6/14/10
WW.135462	1723719	8	89	CIPP	WEST SIDE	6/21/10
WW.160354	1723717	8	138	CIPP	WEST SIDE	6/21/10
WW.164436	1723725	8	479	CIPP	WEST SIDE	6/15/10
WW.139708	1723736	8	314	CIPP	WEST SIDE	7/16/10
WW.137682	1723750	8	194	CIPP	WEST SIDE	7/2/10
WW.135482	1723713	8	199	CIPP	WEST SIDE	6/14/10
WW.143845	1723987	8	260	CIPP	WEST SIDE	6/14/10
WW.153980	1723976	8	412	CIPP	WEST SIDE	6/17/10
WW.158171	1723974	8	25	CIPP	WEST SIDE	6/30/10
WW.135444	1723983	8	334	CIPP	WEST SIDE	7/6/10
WW.145940	1724955	8	15	CIPP	WEST SIDE	6/22/10
WW.139720	1724954	8	12	CIPP	WEST SIDE	6/22/10
WW.158172	1724956	8	32	CIPP	WEST SIDE	6/18/10
WW.164266	1832487	8	360	CIPP	WEST SIDE	6/22/10
WW.162211	1832708	8	208	CIPP	WEST SIDE	6/25/10
WW.153985	1706023	8	393	CIPP	WEST SIDE	6/18/10
WW.164276	1706020	8	168	CIPP	WEST SIDE	6/29/10
WW.150018	1833482	8	263	CIPP	WEST SIDE	7/12/10
WW.135440	1724096	8	201	CIPP	WEST SIDE	6/22/10
WW.160699	1725051	8	257	CIPP	WEST SIDE	6/25/10
WW.143848	1726079	8	138	CIPP	WEST SIDE	6/24/10
WW.142296	1726039	8	212	CIPP	WEST SIDE	6/29/10
WW.142297	1726041	8	188	CIPP	WEST SIDE	6/22/10
WW.160702	1726052	8	23	CIPP	WEST SIDE	6/29/10
WW.158236	1726051	8	448	CIPP	WEST SIDE	7/12/10
WW.143846	1726056	8	396	CIPP	WEST SIDE	6/24/10
WW.139700	1726055	8	425	CIPP	WEST SIDE	7/6/10
WW.158164	1726060	8	161	CIPP	WEST SIDE	7/1/10
WW.156051	1726072	8	245	CIPP	WEST SIDE	7/9/10
WW.138162	1726031	8	513	CIPP	WEST SIDE	7/9/10
WW.146452	1726375	8	420	CIPP	WEST SIDE	7/8/10
WW.156577	1726373	8	340	CIPP	WEST SIDE	7/12/10
WW.145160	1851011	8	352	CIPP	BEAR CREEK	7/12/10
WW.145161	1852972	8	310	CIPP	BEAR CREEK	7/6/10
WW.155226	1852975	8	384	CIPP	BEAR CREEK	7/1/10
WW.149241	1853726	8	238	CIPP	BEAR CREEK	7/1/10
WW.159376	1898690	8	374	CIPP	BOTT	7/6/10
WW.133764	1898693	8	400	CIPP	BOTT	7/6/10
WW.139270	1480101	8	339	CIPP	PATTY JEWETT	7/7/10
WW.147605	1855970	8	205	CIPP	PATTY JEWETT	7/7/10
WW.141565	1581374	8	360	CIPP	SPRING CREEK	7/7/10
WW.141573	1852313	8	157	CIPP	SPRING CREEK	7/8/10
WW.147635	1479775	8	341	CIPP	SPRING CREEK	7/9/10
WW.163180	1855962	8	325	CIPP	SPRING CREEK	7/9/10
WW.140595	1631777	8	276	CIPP	SPRING CREEK	7/7/10
WW.142731	1641757	8	73	CIPP	SPRING CREEK	7/12/10
WW.140238	1641755	8	5	CIPP	WEST SIDE	7/8/10
WW.135495	1710213	6	65	CIPP	WEST SIDE	6/16/10
WW.162238	1715602	6	44	CIPP	WEST SIDE	6/16/10
WW.162279	1666492	6	421	CIPP	WEST SIDE	6/15/10
WW.147265	1738657	8	249	CIPP	STRATTON MEADOWS	7/16/10
WW.151264	1738658	8	351	CIPP	STRATTON MEADOWS	7/19/10
WW.155262	1738771	8	300	CIPP	STRATTON MEADOWS	7/19/10
WW.151281	1738774	8	301	CIPP	STRATTON MEADOWS	7/16/10
WW.143078	1739283	8	66	CIPP	STRATTON MEADOWS	7/19/10

2010 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.163494	1739284	8	125	CIPP	STRATTON MEADOWS	7/19/10
WW.138966	1742262	8	191	CIPP	STRATTON MEADOWS	7/16/10
WW.145194	1726380	8	316	CIPP	STRATTON MEADOWS	7/15/10
WW.147293	1807340	6	13	CIPP	STRATTON MEADOWS	8/6/10
WW.141034	1734777	8	258	CIPP	STRATTON MEADOWS	7/19/10
WW.136906	1789951	8	32	CIPP	STRATTON MEADOWS	8/2/10
WW.135852	1792092	8	492	CIPP	STRATTON MEADOWS	8/2/10
WW.162425	1792084	8	480	CIPP	STRATTON MEADOWS	8/2/10
WW.151294	1734780	8	317	CIPP	STRATTON MEADOWS	7/26/10
WW.157418	1749811	8	392	CIPP	STRATTON MEADOWS	7/26/10
WW.159507	1754298	8	205	CIPP	STRATTON MEADOWS	7/20/10
WW.161462	1754299	8	202	CIPP	STRATTON MEADOWS	7/20/10
WW.133907	1754301	8	434	CIPP	STRATTON MEADOWS	7/23/10
WW.149288	1961178	8	257	CIPP	STRATTON MEADOWS	7/28/10
WW.159469	1961179	8	129	CIPP	STRATTON MEADOWS	8/4/10
WW.136946	1738082	8	262	CIPP	STRATTON MEADOWS	7/23/10
WW.163540	1749803	8	150	CIPP	STRATTON MEADOWS	7/27/10
WW.151307	1749802	8	212	CIPP	STRATTON MEADOWS	7/27/10
WW.153324	1749805	8	113	CIPP	STRATTON MEADOWS	7/23/10
WW.155314	1749809	8	193	CIPP	STRATTON MEADOWS	7/26/10
WW.136950	1788811	8	435	CIPP	STRATTON MEADOWS	7/21/10
WW.145235	1788376	8	318	CIPP	STRATTON MEADOWS	7/20/10
WW.141003	1788256	8	257	CIPP	STRATTON MEADOWS	7/21/10
WW.159472	1788275	8	272	CIPP	STRATTON MEADOWS	7/22/10
WW.143128	1961180	8	250	CIPP	STRATTON MEADOWS	7/26/10
WW.133866	1823940	8	265	CIPP	SOUTH TEJON	9/9/10
WW.151285	1747701	6	215	CIPP	STRATTON MEADOWS	8/30/10
WW.151286	1747698	6	285	CIPP	STRATTON MEADOWS	8/30/10
WW.157409	1820979	6	208	CIPP	SOUTH TEJON	9/1/10
WW.133868	1807517	8	67	CIPP	SOUTH TEJON	8/12/10
WW.133884	1791864	8	168	CIPP	SOUTH TEJON	8/27/10
WW.133885	1791736	8	346	CIPP	SOUTH TEJON	8/31/10
WW.136919	1813876	8	199	CIPP	SOUTH TEJON	8/17/10
WW.157393	1813880	8	306	CIPP	SOUTH TEJON	8/17/10
WW.153289	1822649	8	20	CIPP	SOUTH TEJON	8/18/10
WW.161479	1820080	8	230	CIPP	SOUTH TEJON	9/29/10
WW.134011	1826511	8	295	CIPP	SOUTH TEJON	9/7/10
WW.134032	1823713	8	311	CIPP	SOUTH TEJON	9/20/10
WW.161422	1790242	8	75	CIPP	SOUTH TEJON	9/2/10
WW.151246	1791515	8	402	CIPP	SOUTH TEJON	9/27/10
WW.147275	1793510	8	293	CIPP	SOUTH TEJON	8/17/10
WW.136925	1821939	8	136	CIPP	SOUTH TEJON	8/20/10
WW.159484	1827186	6	104	CIPP	SOUTH TEJON	8/20/10
WW.151263	1814905	8	101	CIPP	SOUTH TEJON	8/30/10
WW.160213	1823984	8	238	CIPP	SOUTH TEJON	9/2/10
WW.153265	1807182	8	183	CIPP	SOUTH TEJON	8/23/10
WW.138959	1815451	8	120	CIPP	SOUTH TEJON	8/1/10
WW.153281	1814297	8	119	CIPP	SOUTH TEJON	8/27/10
WW.141025	1823965	8	280	CIPP	SOUTH TEJON	8/31/10
WW.156178	1824672	8	320	CIPP	SOUTH TEJON	8/26/10
WW.151317	1823411	8	425	CIPP	SOUTH TEJON	8/27/10
WW.143142	1823974	8	306	CIPP	SOUTH TEJON	9/2/10
WW.135676	1809749	8	388	CIPP	SOUTH TEJON	8/26/10
WW.133886	2032597	8	180	CIPP	SOUTH TEJON	9/14/10
WW.133923	1823963	8	395	CIPP	SOUTH TEJON	8/11/10
WW.163518	1815603	8	190	CIPP	SOUTH TEJON	8/16/10
WW.159522	1826503	8	166	CIPP	SOUTH TEJON	9/10/10
WW.161504	1826860	6	417	CIPP	SOUTH TEJON	8/24/10
WW.149260	1807516	8	411	CIPP	SOUTH TEJON	8/12/10
WW.153274	1818218	8	383	CIPP	SOUTH TEJON	8/11/10
WW.138965	1819479	8	457	CIPP	SOUTH TEJON	8/20/10
WW.155289	1815605	8	351	CIPP	SOUTH TEJON	9/2/10
WW.151292	1819405	8	219	CIPP	SOUTH TEJON	9/7/10
WW.143096	1825305	6	296	CIPP	SOUTH TEJON	9/9/10

2010 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.159449	1789604	8	276	CIPP	SOUTH TEJON	9/17/10
WW.136945	1821927	8	328	CIPP	SOUTH TEJON	9/15/10
WW.163510	1825272	6	104	CIPP	SOUTH TEJON	9/2/10
WW.149341	1823999	8	200	CIPP	SOUTH TEJON	8/23/10
WW.180578	1824970	8	381	CIPP	SOUTH TEJON	9/10/10
WW.145178	1807518	8	345	CIPP	SOUTH TEJON	8/12/10
WW.151235	1807487	8	168	CIPP	SOUTH TEJON	8/16/10
WW.147249	1791588	6	192	CIPP	SOUTH TEJON	8/31/10
WW.136923	2032598	8	102	CIPP	SOUTH TEJON	8/23/10
WW.133924	1822184	8	398	CIPP	SOUTH TEJON	8/19/10
WW.155333	1825277	8	456	CIPP	SOUTH TEJON	9/8/10
WW.147216	1790234	8	188	CIPP	SOUTH TEJON	9/9/10
WW.151232	1823990	8	5	CIPP	SOUTH TEJON	9/14/10
WW.153320	1821275	8	435	CIPP	SOUTH TEJON	9/8/10
WW.136916	1825270	6	137	CIPP	SOUTH TEJON	9/13/10
WW.134010	1825273	6	98	CIPP	SOUTH TEJON	8/13/10
WW.153332	1824681	8	424	CIPP	SOUTH TEJON	8/27/10
WW.161514	1825508	8	427	CIPP	SOUTH TEJON	9/3/10
WW.157381	1822694	8	75	CIPP	SOUTH TEJON	9/2/10
WW.151290	1820047	8	246	CIPP	SOUTH TEJON	9/16/10
WW.133956	1823415	8	350	CIPP	SOUTH TEJON	9/7/10
WW.155271	1825658	6	105	CIPP	SOUTH TEJON	9/13/10
WW.140982	1791863	8	131	CIPP	SOUTH TEJON	9/2/10
WW.143075	1791840	8	235	CIPP	SOUTH TEJON	9/16/10
WW.161464	1814210	8	170	CIPP	SOUTH TEJON	9/17/10
WW.157398	1815456	8	296	CIPP	SOUTH TEJON	8/16/10
WW.156171	1790755	8	39	CIPP	SOUTH TEJON	9/9/10
WW.187107	1858812	8	383	CIPP	SOUTH TEJON	8/25/10
WW.163516	1814212	8	221	CIPP	SOUTH TEJON	8/23/10
WW.163519	1818221	8	340	CIPP	SOUTH TEJON	8/19/10
WW.155294	1817650	8	154	CIPP	SOUTH TEJON	9/7/10
WW.155268	1825692	8	75	CIPP	SOUTH TEJON	9/13/10
WW.149293	1825664	8	17	CIPP	SOUTH TEJON	9/9/10
WW.133879	1791516	8	339	CIPP	SOUTH TEJON	9/27/10
WW.138960	1814213	8	157	CIPP	SOUTH TEJON	9/17/10
WW.133947	1818226	8	290	CIPP	SOUTH TEJON	9/3/10
WW.141005	1825662	8	260	CIPP	SOUTH TEJON	9/7/10
WW.141054	1825364	8	323	CIPP	SOUTH TEJON	8/24/10
WW.153257	1807513	8	357	CIPP	SOUTH TEJON	8/12/10
WW.151236	1820052	8	289	CIPP	SOUTH TEJON	8/11/10
WW.145179	1799057	8	401	CIPP	SOUTH TEJON	8/13/10
WW.157374	1793687	6	160	CIPP	SOUTH TEJON	8/18/10
WW.141016	1814218	8	230	CIPP	SOUTH TEJON	8/18/10
WW.147313	1826878	8	164	CIPP	SOUTH TEJON	8/25/10
WW.159480	1822361	8	278	CIPP	SOUTH TEJON	8/18/10
WW.141015	1814215	8	278	CIPP	SOUTH TEJON	8/18/10
WW.138963	1824002	8	161	CIPP	SOUTH TEJON	8/17/10
WW.136910	1814173	8	375	CIPP	SOUTH TEJON	9/28/10
WW.153306	1819406	8	385	CIPP	SOUTH TEJON	9/1/10
WW.141058	1823706	8	226	CIPP	SOUTH TEJON	9/20/10
WW.149355	1825274	8	434	CIPP	SOUTH TEJON	9/8/10
WW.138946	1791844	8	239	CIPP	SOUTH TEJON	9/3/10
WW.133936	1814141	8	397	CIPP	SOUTH TEJON	8/25/10
WW.157407	1823964	8	339	CIPP	SOUTH TEJON	8/30/10
WW.139006	1825413	8	423	CIPP	SOUTH TEJON	9/1/10
WW.140936	1925556	8	80	CIPP	BEAR CREEK	10/20/10
WW.136848	1925534	8	142	CIPP	BEAR CREEK	10/6/10
WW.157322	1925532	8	277	CIPP	BEAR CREEK	10/6/10
WW.151198	1925490	8	216	CIPP	BEAR CREEK	10/5/10
WW.140937	1925487	8	172	CIPP	BEAR CREEK	10/5/10
WW.155214	1925598	8	248	CIPP	BEAR CREEK	10/5/10
WW.140938	1925599	8	133	CIPP	BEAR CREEK	10/5/10
WW.145143	1925602	8	177	CIPP	BEAR CREEK	10/5/10
WW.163454	1923734	8	312	CIPP	BEAR CREEK	10/6/10

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CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.137800	1923745	8	366	CIPP	BEAR CREEK	10/6/10
WW.159397	1923948	8	168	CIPP	BEAR CREEK	10/7/10
WW.138894	1923951	8	134	CIPP	BEAR CREEK	10/7/10
WW.157344	1925625	8	199	CIPP	BEAR CREEK	10/8/10
WW.140948	1925835	8	122	CIPP	BEAR CREEK	10/8/10
WW.157336	1920457	8	90	CIPP	BEAR CREEK	10/7/10
WW.135671	1920494	8	250	CIPP	BEAR CREEK	10/14/10
WW.145146	1920497	8	399	CIPP	BEAR CREEK	10/14/10
WW.133800	1920467	8	281	CIPP	BEAR CREEK	10/25/10
WW.133796	1925330	8	283	CIPP	BEAR CREEK	10/19/10
WW.143034	1920500	8	291.5	CIPP	BEAR CREEK	10/19/10
WW.133798	1920471	8	37.9	CIPP	BEAR CREEK	10/19/10
WW.149224	1920466	8	146	CIPP	BEAR CREEK	10/11/10
WW.161405	1920464	8	439	CIPP	BEAR CREEK	10/11/10
WW.133799	1928652	8	302	CIPP	BEAR CREEK	10/11/10
WW.153229	1920455	8	159	CIPP	BEAR CREEK	10/11/10
WW.159420	1920374	8	405	CIPP	BEAR CREEK	10/19/10
WW.161418	1920375	8	296	CIPP	BEAR CREEK	10/19/10
WW.149242	1920157	8	97.7	CIPP	BEAR CREEK	10/26/10
WW.140955	1920125	8	320.6	CIPP	BEAR CREEK	10/26/10
WW.138915	1920100	8	290	CIPP	BEAR CREEK	10/18/10
WW.157349	1920064	8	90	CIPP	BEAR CREEK	10/13/10
WW.155228	1920067	8	199	CIPP	BEAR CREEK	10/13/10
WW.147223	1920343	8	317	CIPP	BEAR CREEK	10/4/10
WW.133837	1920258	8	309	CIPP	BEAR CREEK	10/4/10
WW.149244	1920083	8	238	CIPP	BEAR CREEK	10/18/10
WW.147224	1920071	8	438	CIPP	BEAR CREEK	10/18/10
WW.136866	1918486	8	432	CIPP	BEAR CREEK	10/19/10
WW.137801	1926223	8	168	CIPP	BEAR CREEK	10/11/10
WW.138914	1926227	8	134	CIPP	BEAR CREEK	10/11/10
WW.163457	1926243	8	152	CIPP	BEAR CREEK	10/18/10
WW.153243	1926249	8	40	CIPP	BEAR CREEK	10/18/10
WW.136612	1855926	8	152	CIPP	BEAR CREEK	10/28/10
WW.157095	1852841	8	258	CIPP	BEAR CREEK	10/13/10
WW.159143	1862498	8	406	CIPP	BEAR CREEK	10/18/10
WW.155230	1858798	8	327	CIPP	BEAR CREEK	10/15/10
WW.157354	1858797	8	326	CIPP	BEAR CREEK	10/15/10
WW.151222	1857161	8	349	CIPP	BEAR CREEK	10/27/10
WW.133850	1857159	8	163	CIPP	BEAR CREEK	10/27/10
WW.133848	1856082	8	293.3	CIPP	BEAR CREEK	10/20/10
WW.151221	1856081	8	149	CIPP	BEAR CREEK	10/14/10
WW.140959	1855973	8	62	CIPP	BEAR CREEK	10/14/10
WW.138919	1863517	8	275.5	CIPP	BEAR CREEK	10/21/10
WW.163465	1858837	8	174	CIPP	BEAR CREEK	10/21/10
WW.145164	1858806	8	396.7	CIPP	BEAR CREEK	10/27/10
WW.133852	1858805	8	197	CIPP	BEAR CREEK	10/21/10
WW.159426	1858804	8	134	CIPP	BEAR CREEK	10/21/10
WW.135673	1855972	8	293	CIPP	BEAR CREEK	10/28/10
WW.161443	1855971	8	134.5	CIPP	BEAR CREEK	10/28/10
WW.149261	1856084	8	248.8	CIPP	BEAR CREEK	10/28/10
WW.137618	1851223	8	230	CIPP	GARDEN OF THE GODS	11/5/10
WW.151962	1851208	8	148	CIPP	GARDEN OF THE GODS	11/5/10
WW.164222	1851185	8	148	CIPP	GARDEN OF THE GODS	11/5/10
WW.158118	1851187	8	407	CIPP	GARDEN OF THE GODS	11/5/10
WW.135336	1857630	8	146	CIPP	GARDEN OF THE GODS	11/5/10
WW.149956	1850899	8	201	CIPP	GARDEN OF THE GODS	11/3/10
WW.158117	1850896	8	105	CIPP	GARDEN OF THE GODS	11/3/10
WW.158119	1850891	8	200	CIPP	GARDEN OF THE GODS	11/3/10
WW.137619	2086040	8	40	CIPP	GARDEN OF THE GODS	11/9/10
WW.135337	2086041	8	92	CIPP	GARDEN OF THE GODS	11/10/10
WW.143810	1850887	8	120	CIPP	GARDEN OF THE GODS	11/11/10
WW.145900	1850885	8	114	CIPP	GARDEN OF THE GODS	11/12/10
WW.137621	2086036	8	170	CIPP	GARDEN OF THE GODS	11/10/10
WW.143812	1847099	8	160	CIPP	GARDEN OF THE GODS	11/10/10

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CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.149959	1846257	8	148	CIPP	GARDEN OF THE GODS	11/10/10
WW.165266	1850883	8	120	CIPP	GARDEN OF THE GODS	11/3/10
WW.165267	1850886	8	219	CIPP	GARDEN OF THE GODS	11/3/10
WW.135348	1846252	8	32	CIPP	GARDEN OF THE GODS	11/3/10
WW.149951	1827310	8	112	CIPP	GARDEN OF THE GODS	11/8/10
WW.137615	1826880	8	218	CIPP	GARDEN OF THE GODS	11/8/10
WW.141744	1827312	8	109	CIPP	GARDEN OF THE GODS	11/4/10
WW.162164	1827271	8	138	CIPP	GARDEN OF THE GODS	11/2/10
WW.158116	1827278	8	137	CIPP	GARDEN OF THE GODS	11/2/10
WW.143805	1824963	8	210	CIPP	GARDEN OF THE GODS	11/2/10
WW.135327	1827269	8	302	CIPP	GARDEN OF THE GODS	11/3/10
WW.145895	1827440	8	292	CIPP	GARDEN OF THE GODS	11/3/10
WW.158115	1829749	8	402	CIPP	GARDEN OF THE GODS	11/4/10
WW.149950	1829751	8	184	CIPP	GARDEN OF THE GODS	11/4/10
WW.158114	1830254	8	143	CIPP	GARDEN OF THE GODS	11/5/10
WW.162159	1931032	8	290	CIPP	GARDEN OF THE GODS	11/5/10
WW.156012	1830019	8	123	CIPP	GARDEN OF THE GODS	11/2/10
WW.141753	1830016	8	264	CIPP	GARDEN OF THE GODS	11/2/10
WW.158126	1830257	8	29	CIPP	GARDEN OF THE GODS	11/2/10
WW.164232	1830259	8	389	CIPP	GARDEN OF THE GODS	11/2/10
WW.156013	2086032	8	387	CIPP	GARDEN OF THE GODS	11/9/10
WW.137625	2086034	8	450	CIPP	GARDEN OF THE GODS	11/9/10
WW.141754	1846235	8	227	CIPP	GARDEN OF THE GODS	11/16/10
WW.141756	1847098	8	301	CIPP	GARDEN OF THE GODS	11/15/10
WW.153952	1846247	8	134	CIPP	GARDEN OF THE GODS	11/15/10
WW.141757	1830326	8	51	CIPP	GARDEN OF THE GODS	11/15/10
WW.147958	1844177	8	503	CIPP	GARDEN OF THE GODS	11/9/10
WW.141758	1843350	8	245	CIPP	GARDEN OF THE GODS	11/19/10
WW.151973	1843353	8	380	CIPP	GARDEN OF THE GODS	11/12/10
WW.158132	1843354	8	189	CIPP	GARDEN OF THE GODS	11/10/10
WW.143816	1850979	8	347	CIPP	GARDEN OF THE GODS	11/8/10
WW.151966	1827450	8	454	CIPP	GARDEN OF THE GODS	11/11/10
WW.158124	1827293	8	376	CIPP	GARDEN OF THE GODS	11/29/10
WW.153947	1827289	8	403	CIPP	GARDEN OF THE GODS	11/24/10
WW.153948	1830020	8	280	CIPP	GARDEN OF THE GODS	11/10/10
WW.135356	1827285	8	438	CIPP	GARDEN OF THE GODS	11/12/10
WW.154473	1820347	8	71	CIPP	GARDEN OF THE GODS	11/11/10
WW.158638	1834173	8	396	CIPP	GARDEN OF THE GODS	11/11/10
WW.145911	1822168	8	265	CIPP	GARDEN OF THE GODS	11/16/10
WW.135366	1822042	8	405	CIPP	GARDEN OF THE GODS	11/18/10
WW.149969	1850874	8	213	CIPP	GARDEN OF THE GODS	11/17/10
WW.162177	1848749	8	399	CIPP	GARDEN OF THE GODS	11/23/10
WW.143821	1820342	8	242	CIPP	GARDEN OF THE GODS	11/17/10
WW.156020	1822638	8	365	CIPP	GARDEN OF THE GODS	11/17/10
WW.151979	1820443	8	304	CIPP	GARDEN OF THE GODS	11/16/10
WW.160020	1827546	8	403	CIPP	GARDEN OF THE GODS	11/19/10
WW.135559	1827548	8	398	CIPP	GARDEN OF THE GODS	11/15/10
WW.158134	1827545	8	407	CIPP	GARDEN OF THE GODS	11/22/10
WW.158136	1827428	8	327	CIPP	GARDEN OF THE GODS	11/22/10
WW.145910	1862434	8	297	CIPP	GARDEN OF THE GODS	11/18/10
WW.137632	1862432	8	138	CIPP	GARDEN OF THE GODS	11/18/10
WW.156018	1825656	8	215	CIPP	GARDEN OF THE GODS	11/11/00
WW.164235	1862430	8	92	CIPP	GARDEN OF THE GODS	11/24/10
WW.164234	1834056	8	269	CIPP	GARDEN OF THE GODS	11/24/10
WW.139662	1831392	8	399	CIPP	GARDEN OF THE GODS	11/22/10
WW.158139	1827318	8	239	CIPP	GARDEN OF THE GODS	11/17/10
WW.160139	1830251	8	123	CIPP	GARDEN OF THE GODS	11/5/10
WW.145786	1815577	8	153	CIPP	GARDEN OF THE GODS	11/30/10
WW.151974	1825697	8	192	CIPP	GARDEN OF THE GODS	12/6/10
WW.143820	1825701	8	360	CIPP	GARDEN OF THE GODS	12/9/10
WW.162176	1825716	8	304	CIPP	GARDEN OF THE GODS	12/9/10
WW.151987	1825954	8	383	CIPP	GARDEN OF THE GODS	11/30/10
WW.137630	1827541	8	438	CIPP	GARDEN OF THE GODS	12/6/10
WW.153953	1827482	8	322	CIPP	GARDEN OF THE GODS	12/9/10

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CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.139657	1827474	8	227	CIPP	GARDEN OF THE GODS	12/8/10
WW.143822	1827477	8	130	CIPP	GARDEN OF THE GODS	12/8/10
WW.162180	1826882	8	134	CIPP	GARDEN OF THE GODS	12/7/10
WW.139663	1827185	8	197	CIPP	GARDEN OF THE GODS	12/8/10
WW.135387	1827552	8	160	CIPP	GARDEN OF THE GODS	12/9/10
WW.135382	2092870	8	104	CIPP	GARDEN OF THE GODS	12/7/10
WW.158151	1813938	8	188	CIPP	GARDEN OF THE GODS	12/9/10
WW.164250	1825943	8	101	CIPP	GARDEN OF THE GODS	12/8/10
WW.156025	1827319	8	218	CIPP	GARDEN OF THE GODS	12/9/10
WW.147962	1827449	8	30	CIPP	GARDEN OF THE GODS	12/9/10
WW.164293	1710212	6	91	CIPP	WEST SIDE	6/16/10
WW.162222	1707163	8	148	Replacement	WEST SIDE	9/3/10
WW.147226	1852963	8	351	Replacement	BEAR CREEK	2/19/10
WW.158294	1852965	8	49	Replacement	BEAR CREEK	2/24/10
WW.148466	1858823	8	417	Replacement	PATTY JEWETT	2/24/10
WW.162016	1851004	8	338	Replacement	SPRING CREEK	2/26/10
WW.146865	1856990	8	24	Replacement	SHOOKS RUN	5/11/10
WW.161776	1852344	8	498	Replacement	SHOOKS RUN	3/11/10
WW.143895	1825360	8	318	Replacement	SHOOKS RUN	3/30/10
WW.175848	1861853	8	144	Replacement	SHOOKS RUN	3/18/10
WW.188801	1823094	8	189	Replacement	SHOOKS RUN	3/19/10
WW.147178	1923382	8	166	Replacement	TEMPLETON GAP	3/29/10
WW.135495	1710213	8	387	Replacement	WEST SIDE	4/9/10
WW.146164	1710217	8	53	Replacement	WEST SIDE	3/29/10
WW.154000	1840754	8	129	Replacement	WEST SIDE	4/2/10
WW.162238	1715602	8	287	Replacement	WEST SIDE	4/5/10
WW.164291	1715814	8	278	Replacement	WEST SIDE	4/12/10
WW.164293	1710212	8	401	Replacement	WEST SIDE	4/30/10
WW.135476	1707595	8	194	Replacement	WEST SIDE	4/19/10
WW.137687	1707591	8	91	Replacement	WEST SIDE	4/12/10
WW.138167	1703382	8	233	Replacement	WEST SIDE	3/27/10
WW.139691	1707161	8	187	Replacement	WEST SIDE	4/16/10
WW.140230	1703381	8	202	Replacement	WEST SIDE	4/30/10
WW.143838	1707160	8	148	Replacement	WEST SIDE	4/22/10
WW.148000	1707594	8	121	Replacement	WEST SIDE	4/14/10
WW.162279	1666492	6	4	Replacement	WEST SIDE	5/5/10
WW.152014	1723732	8	319	Replacement	WEST SIDE	5/7/10
WW.192064	1723734	8	408	Replacement	WEST SIDE	5/14/10
WW.147511	1397656	8	181	Replacement	PATTY JEWETT	2/12/10
WW.136944	1736634	8	196	Replacement	STRATTON MEADOWS	6/9/10
WW.161489	1736632	8	175	Replacement	STRATTON MEADOWS	6/14/10
WW.138967	1739279	8	397	Replacement	STRATTON MEADOWS	5/19/10
WW.151280	1739277	8	363	Replacement	STRATTON MEADOWS	5/27/10
WW.140993	1791847	8	572	Replacement	STRATTON MEADOWS	7/29/10
WW.143106	1739287	8	126	Replacement	STRATTON MEADOWS	5/14/10
WW.155287	1739289	8	211	Replacement	STRATTON MEADOWS	5/21/10
WW.143129	1970853	8	395	Replacement	STRATTON MEADOWS	7/9/10
WW.147268	1970855	8	525	Replacement	STRATTON MEADOWS	7/8/10
WW.155266	1970856	8	485	Replacement	STRATTON MEADOWS	7/22/10
WW.153313	1736629	8	208	Replacement	STRATTON MEADOWS	6/9/10
WW.153314	1736628	8	130	Replacement	STRATTON MEADOWS	6/17/10
WW.141035	1791450	8	370	Replacement	STRATTON MEADOWS	7/27/10
WW.153323	1788297	8	371	Replacement	STRATTON MEADOWS	7/2/10
WW.157422	1788301	8	295	Replacement	STRATTON MEADOWS	7/9/10
WW.157425	1788253	8	231	Replacement	STRATTON MEADOWS	7/2/10
WW.159434	1736008	8	176	Replacement	STRATTON MEADOWS	6/4/10
WW.159510	1788234	8	314	Replacement	STRATTON MEADOWS	6/10/10
WW.143833	1826530	8	532	Replacement	STRATTON MEADOWS	5/10/10
WW.153244	1790243	8	201	Replacement	SOUTH TEJON	7/21/10
WW.133854	2027777	8	85	Replacement	SOUTH TEJON	7/29/10
WW.149258	1823931	8	278	Replacement	SOUTH TEJON	8/2/10
WW.161440	1823732	8	281	Replacement	SOUTH TEJON	8/6/10
WW.138928	1823980	8	37	Replacement	SOUTH TEJON	8/10/10
WW.147279	1823675	8	199	Replacement	SOUTH TEJON	7/29/10

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CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.157396	1823682	8	233	Replacement	SOUTH TEJON	8/4/10
WW.151283	1747720	8	205	Replacement	STRATTON MEADOWS	8/6/10
WW.155291	1747719	8	279	Replacement	STRATTON MEADOWS	8/10/10
WW.141022	1823966	8	98	Replacement	SOUTH TEJON	8/17/10
WW.147284	1747715	8	250	Replacement	STRATTON MEADOWS	8/23/10
WW.161478	1821055	8	318	Replacement	SOUTH TEJON	8/27/10
WW.138971	1821263	8	128	Replacement	SOUTH TEJON	8/24/10
WW.151291	1821265	8	138	Replacement	SOUTH TEJON	8/24/10
WW.136937	1747693	8	207	Replacement	STRATTON MEADOWS	8/31/10
WW.151300	1742268	8	123	Replacement	STRATTON MEADOWS	8/16/10
WW.146167	1742267	8	77	Replacement	STRATTON MEADOWS	8/16/10
WW.151293	1746773	8	412	Replacement	STRATTON MEADOWS	8/24/10
WW.133968	1746633	8	257	Replacement	STRATTON MEADOWS	8/17/10
WW.149256	1815616	8	57	Replacement	SOUTH TEJON	9/7/10
WW.157392	1819490	8	410	Replacement	SOUTH TEJON	9/10/10
WW.145171	1815612	8	117	Replacement	SOUTH TEJON	9/10/10
WW.136965	1825451	8	452	Replacement	SOUTH TEJON	9/29/10
WW.155302	1736650	8	320	Replacement	STRATTON MEADOWS	8/9/10
WW.145224	1736638	8	224	Replacement	STRATTON MEADOWS	8/9/10
WW.141767	1820448	8	321	Replacement	GARDEN OF THE GODS	11/5/10
WW.139665	1959978	8	360	Replacement	GARDEN OF THE GODS	12/20/10
WW.160017	1818423	8	54	Replacement	GARDEN OF THE GODS	10/6/10
WW.164233	1823328	8	373	Replacement	GARDEN OF THE GODS	10/7/10
WW.135376	1815569	8	555	Replacement	GARDEN OF THE GODS	10/21/10
WW.153958	1825688	8	134	Replacement	GARDEN OF THE GODS	10/20/10
WW.182389	1812338	8	283	Replacement	GARDEN OF THE GODS	10/14/10
WW.157391	1819489	8	278	Replacement	SOUTH TEJON	9/17/10
WW.143551	1988208	8	150	Replacement	SHOOKS RUN	10/19/10
WW.157824	1995200	8	250	Replacement	SHOOKS RUN	10/22/10
WW.154016	1967891	8	444	Replacement	SHOOKS RUN	11/1/10
WW.157289	1897713	8	379	Replacement	TEMPLETON GAP	10/29/10
WW.132722	1895711	8	96	Replacement	TEMPLETON GAP	11/24/10
WW.156770	1917145	8	322	Replacement	TEMPLETON GAP	11/5/10
WW.138474	1963152	8	158	Replacement	TEMPLETON GAP	11/22/10
WW.137765	1963153	8	276	Replacement	TEMPLETON GAP	11/23/10
WW.152772	1952008	8	432	Replacement	TEMPLETON GAP	11/9/10
WW.164252	1826528	8	538	Replacement	GARDEN OF THE GODS	12/21/10
Totals			120,304	485		

Appendix B

2009 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Actual Depth (feet)	Date Complete
WW.113833	1952355	4	15	02/26/2010
WW.110012	1938004	5	18	04/12/2010
WW.111983	1937984	4	12.1	04/20/2010
WW.114005	1937977	4	12.2	04/12/2010
WW.114008	1937967	6	15.4	04/20/2010
WW.114011	1937963	6	21.4	04/20/2010
WW.115991	1937968	6	12.3	04/15/2010
WW.119931	1938003	6	18.1	04/21/2010
WW.119932	1938002	6	12.3	04/14/2010
WW.123893	1937996	4	14	04/10/2010
WW.123899	1937974	4	9	04/13/2010
WW.127960	1937989	4	13	04/08/2010
WW.129948	1938000	4	16.7	04/05/2010
WW.129951	1937969	6	12.2	04/14/2010
WW.100291	1937932	4	10.3	04/19/2010
WW.108049	1937944	5	11	03/19/2010
WW.116017	1937921	5	16.6	03/04/2010
WW.116018	1937919	5	7.8	03/04/2010
WW.118013	1937936	6	10.4	03/19/2010
WW.121905	1937948	6	23.4	03/19/2010
WW.123931	1937924	6	9.6	03/19/2010
WW.126004	1937927	6	9.1	03/19/2010
WW.126005	1937926	5	10.6	04/06/2010
WW.127953	1937957	6	28.1	03/22/2010
WW.129938	1937952	6	23.2	03/18/2010
WW.129988	1937933	4	11.5	04/19/2010
WW.106011	1937916	6	8.1	03/03/2010
WW.121890	1937899	5	16.6	03/19/2010
WW.121939	1937892	5	15.4	04/29/2010
WW.129973	1937912	6	20	03/03/2010
WW.104065	1937860	5	16.8	03/17/2010
WW.106053	1937889	5	21.3	03/17/2010
WW.114075	1937851	5	13	04/18/2010
WW.116060	1937852	5	12.1	03/19/2010
WW.118040	1937859	5	18	04/06/2010
WW.118042	1943845	4	14.2	01/18/2010
WW.102567	1937841	5	10.6	02/26/2010
WW.109225	1937845	6	13.1	02/26/2010
WW.113234	1937844	6	15.1	02/26/2010
WW.115244	1937840	4	8	03/16/2010
WW.117251	1937839	4	8	03/16/2010
WW.119158	1937842	6	15.2	02/18/2010
WW.125166	1937837	5	11	03/19/2010
WW.129160	1937843	6	0	02/24/2010
WW.102598	1937834	4	10.1	02/26/2010
WW.123105	1937836	5	10.5	02/26/2010
WW.129182	1937835	5	12.6	02/26/2010
WW.102599	1937833	4	9.9	02/17/2010
WW.102603	1937830	4	10.7	02/26/2010
WW.105216	1937827	4	10.1	02/17/2010
WW.105239	1937812	4	9.7	02/28/2010
WW.105243	1937822	4	8	02/02/2010
WW.107250	1937820	5	14.3	02/02/2010
WW.107251	1949031	5	7.7	02/02/2010
WW.109273	1937808	5	11	02/02/2010
WW.111201	1937828	4	10.5	02/04/2010
WW.111228	1937815	4	7.6	02/17/2010
WW.113255	1937817	5	13.3	02/04/2010

2009 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Actual Depth (feet)	Date Complete
WW.115265	1937831	4	10.6	02/26/2010
WW.115300	1937811	5	8	02/03/2010
WW.117269	1937825	5	11.2	02/04/2010
WW.117272	1937809	5	11.5	02/02/2010
WW.119203	1937813	4	7.2	02/28/2010
WW.119205	1937823	5	7.6	02/03/2010
WW.123111	1937829	4	11.6	02/17/2010
WW.127233	1937818	5	12.8	02/02/2010
WW.127234	1937810	5	7.5	02/02/2010
WW.129186	1937826	5	10.2	02/17/2010
WW.129212	1948825	5	7.5	02/02/2010
WW.129209	1937814	5	7.4	02/08/2010
WW.131205	1937816	4	9	02/17/2010
WW.102646	1937802	5	12.3	02/03/2010
WW.117273	1937806	5	12.2	02/02/2010
WW.119206	1937803	5	9.9	02/03/2010
WW.131227	1937801	5	5	02/03/2010
WW.105279	1937798	5	12.3	02/03/2010
WW.109365	1937792	5	9.6	03/03/2010
WW.111304	1937795	5	8.1	03/03/2010
WW.117323	1937796	5	11.7	03/03/2010
WW.119251	1937797	5	12.6	03/03/2010
WW.123231	1947103	5	11.2	02/08/2010
WW.129263	1937799	5	9	02/03/2010
WW.102816	1937784	4	4.6	03/03/2010
WW.111348	1937782	4	9.7	03/03/2010
WW.117362	1937787	4	8	03/03/2010
WW.123234	1937790	4	9.5	03/03/2010
WW.123235	1937786	4	9.6	03/03/2010
WW.125329	1937781	4	9.3	03/03/2010
WW.102920	1937749	5	12	02/01/2010
WW.107370	1937771	4	9	02/01/2010
WW.113409	1937751	4	13.1	02/01/2010
WW.115426	1937773	4	3.3	02/01/2010
WW.115435	1937753	4	1.5	02/01/2010
WW.115436	1937759	4	6.4	02/01/2010
WW.121300	1937778	4	10.3	03/03/2010
WW.121307	1937766	5	8	02/01/2010
WW.121308	1937764	5	4.9	02/01/2010
WW.121317	1937745	5	11.2	02/01/2010
WW.123278	1937775	4	8.9	02/01/2010
WW.123285	1937761	5	10.3	02/01/2010
WW.125331	1937777	5	11	03/03/2010
WW.125337	1937769	4	6.2	02/01/2010
WW.129335	1937780	4	10.1	03/03/2010
WW.129348	1937756	4	4.5	03/19/2010
WW.127317	1960242	4	9.5	03/19/2010
WW.115252	1948806	5	15.2	02/02/2010
WW.103015	1976948	4	12	7/14/10
WW.117452	1976950	4	7	7/20/10
WW.129399	1977121	4	13.6	7/21/10
WW.192246	1977123	4	13.5	7/26/10
WW.113472	1977124	4	12.1	7/27/10
WW.121360	1977126	4	7.5	7/14/10
WW.123341	1977127	4	6.1	7/26/10
WW.107427	1977128	4	4.4	7/26/10
WW.115485	1977129	4	4	7/12/10
WW.115483	1977130	4	5	7/12/10

2009 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Actual Depth (feet)	Date Complete
WW.123337	1977132	4	8.4	7/9/10
WW.113468	1977133	4	17.1	7/13/10
WW.109464	1977134	4	14	7/13/10
WW.117451	1977135	4	5.1	7/21/10
WW.103024	1977138	4	10.7	7/9/10
WW.121359	1977139	4	5.2	7/12/10
WW.113473	1977140	4	6.5	7/9/10
WW.119394	1977142	5	11.5	7/9/10
WW.119394		5	7.5	7/19/10
WW.122887	1977143	4	9.1	8/3/10
WW.110969	1977146	5	8.4	9/9/10
WW.110970	1977147	5	7.9	7/15/10
WW.102117	1977148	5	6.2	7/15/10
WW.124924	1977149	5	5.7	7/15/10
WW.110972	1977150	4	11.6	7/15/201
WW.118937	1977151	4	10.1	7/28/10
WW.105006	1977152	4	18.7	7/27/10
WW.122966	1977154	4	18.2	9/22/10
WW.109161	1977155	0	0	7/26/10
WW.107126	1977156	0	0	7/26/10
WW.115189	1977157	5	18.1	9/9/10
WW.123029	1977158	0	0	7/26/10
WW.130647	1977159	4	14.7	9/29/10
WW.110708	1977160	5	18.1	9/27/10
WW.104687	1977162	5	11.9	8/26/10
WW.104688	1977163	5	13.1	9/1/10
WW.104707	1977165	5	14.3	9/10/10
WW.114775	1977166	5	13.2	7/29/10
WW.101659	1977167	5	9	7/29/10
WW.108735	1977168	6	9.8	7/28/10
WW.108736	1977169	5	9.8	7/28/10
WW.108737	1977170	5	11.7	10/27/10
WW.130685	1977171	5	14.7	10/27/10
WW.122594	1977172	5	10.7	8/11/10
WW.116735	1977174	5	19.7	8/11/10
WW.126684	1977175	5	10	8/17/10
WW.118691	1977176	5	11	8/18/10
WW.104721	1978153	5	11.3	8/19/10
WW.126685	1978155	5	11.8	8/19/10
WW.116738	1978156	5	16.2	8/19/10
WW.112779	1978157	5	13.1	9/2/10
WW.104740	1978158	5	15.4	9/10/10
WW.101702	1978160	4	6.7	8/4/10
WW.104739	1978162	5	13.7	9/28/10
WW.118705	1978163	4	11.5	8/4/10
WW.104741	1983324	5	8.4	9/28/10
WW.116754	1983330	5	14	9/30/10
WW.108761	1983331	4	12.8	8/4/10
WW.130707	1983333	4	10	8/9/10
WW.110759	1985503	5	11	10/5/10
WW.126708	1985506	4	7.4	10/4/10
WW.124688	1985508	4	7	10/7/10
WW.116758	1985509	5	8.7	10/4/10
WW.112803	1985510	5	10.1	9/30/10
WW.120680	1985514	5	10	9/30/10
WW.112805	1985517	6	12.2	10/7/10
WW.116762	1985525	5	14.3	10/6/10
WW.108764	1985527	5	9.4	10/6/10

2009 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Actual Depth (feet)	Date Complete
WW.118708	1985532	6	10.5	10/5/10
WW.101776	1985558	4	10.3	10/14/10
WW.116803	1985560	4	9.8	10/8/10
WW.106763	1985561	4	10.7	10/8/10
WW.116804	1985564	4	9.9	10/8/10
WW.114860	1985565	4	13.2	10/11/10
WW.126755	1985568	4	9	10/11/10
WW.120728	1985576	4	11.8	10/11/10
WW.120729	1985583	5	12.9	10/25/10
WW.124735	1985587	4	10.1	10/8/10
WW.124734	1985588	4	9.8	10/14/10
WW.104784	1985591	4	9.3	10/13/10
WW.101796	1985594	4	10.4	10/15/10
WW.106764	1985596	4	11	10/15/10
WW.101798	1985597	4	10	10/14/10
WW.128766	1985599	4	10.4	10/14/10
WW.122665	1985600	4	10.2	10/8/10
WW.108813	1985605	5	12	10/26/10
WW.101803	1985606	5	13.5	10/26/10
WW.100033	1944334	4	13.2	6/28/10
WW.129840	1944331	4	15	6/28/10
WW.109899	1944329	4	13	6/28/10
WW.111873		4	10.1	6/24/10
WW.105875		4	9.2	6/24/10
WW.119833	1944328	4	12.5	6/23/10
WW.121759	1944327	4	12.2	6/23/10
WW.113882	1944326	4	13.3	6/23/10
WW.100032	1944323	4	11.4	6/23/10
WW.129826		4	13	6/23/10
WW.129827		4	7.9	6/22/10
WW.111866	1944109	4	10.8	6/22/10
WW.129899	1938010	5	9	6/28/10
WW.117927	1938009	5	8.4	6/28/10
WW.100133	1938017	5	9.3	6/17/10
WW.105923	1938006	5	11.1	6/17/10
WW.123831	1938016	5	16.1	6/17/10
WW.113934	1938007	6	8.8	6/24/10
WW.117932	1938019	5	22.4	6/1/10
WW.107953	1938021	6	25.3	6/2/10
WW.109959	1938026	5	11.8	6/2/10
WW.107952	1938018	4	9.5	7/7/10
WW.194444	1944106	4	17.3	6/22/10
WW.129901	1938015	5	9.9	7/7/10
WW.127892	1938031	5	17.1	7/7/10
WW.115928		5	9.7	7/6/10
WW.126646	2051845	5	11.2	8/24/10
WW.104686	2051860	4	10.6	8/25/10
WW.118663		5	9.9	8/25/09
WW.122571		5	13.9	8/26/10
WW.101607	2051865	5	11.5	8/25/10
WW.114760	2051864	5	14.6	8/25/10
WW.116696	2051870	5	11	8/31/10
WW.187634		5	15	9/2/10
WW.116697		5	15.5	9/2/10
WW.116757	1983334	4	3.1	12/10/2010
WW.104743	1983336	6	12.2	12/02/2010
WW.124687	1985501	5	15.3	12/03/2010
WW.108763	1985531	6	10.4	11/14/2010

2009 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Actual Depth (feet)	Date Complete
WW.122624	1985533	4	10.1	11/05/2010
WW.101715	1985534	4	9.6	11/12/2010
WW.104745	1985536	4	12.8	11/12/2010
WW.126711	1985537	4	10.5	11/12/2010
WW.126710	1984439	4	11.3	11/12/2010
WW.114807	1985542	5	12.7	11/15/2010
WW.101720	1985547	5	10.5	11/18/2010
WW.101800	1985602	9.8	5	11/02/2010
WW.122667	1985604	5	12	11/03/2010
WW.130745	1985607	5	24.3	11/04/2010
WW.118759	1985609	5	20.1	11/08/2010
WW.128768	1985610	5	21.4	11/12/2010
WW.128769	1985611	5	21.5	11/13/2010
WW.110800	1985613	5	11.1	11/13/2010
WW.120727	1985614	5	11.2	11/12/2010
WW.122664	1985615	5	24.9	11/17/2010
WW.104829	1985616	5	8	11/08/2010
WW.121149	1985618	5	13.8	11/22/2010
WW.115273	1985619	5	10.9	11/22/2010
WW.127214	1985623	5	11.4	11/22/2010
WW.131208	1985624	5	16.9	11/22/2010
WW.123120	1985627	5	23.4	11/12/2010
WW.105220	1985628	5	16.5	11/19/2010
WW.129192	1985629	4	11.7	12/02/2010
WW.109257	1985631	4	14.5	12/01/2010
WW.117265	1985634	4	12.5	12/01/2010
WW.119187	1985636	4	13.1	12/01/2010
WW.117264	1985638	4	13.1	11/30/2010
WW.102619	1985642	4	13.4	11/30/2010
WW.123126	1985646	4	9.5	11/23/2010
WW.121151	1985651	4	11.3	11/23/2010
WW.115278	1985655	4	11.8	11/23/2010
WW.123125	1985660	4	14.5	12/02/2010
WW.100351	1937855	5	10.2	11/01/2010
WW.130028	1937856	5	12.1	11/02/2010
WW.104067	1937854	5	9.5	12/09/2010
WW.101973	2108359	5	13.7	12/08/2010
WW.118848	2108400	5	15.6	12/09/2009
WW.120835	2108429	4	9.7	12/06/2010
WW.126882	2108431	5	9.1	12/10/2010
WW.120834	2108401	4	10.1	12/12/2010
WW.118846	2108386	5	13.9	12/08/2010
WW.108909	2108379	4	9.7	12/10/2010
WW.106873	2108377	5	14.4	12/10/2010
WW.101975	2108370	5	14.4	12/07/2010
WW.101974	2108369	4	14.5	12/07/2010
WW.101971	2108347	4	9.7	12/08/2010
WW.128846	2108432	4	14.6	12/06/2010
WW.130853	2108433	5	15.5	12/06/2010
Totals			3248.1	281

Appendix C

2010 - Collection System Rehabilitation and Replacement Project

Collection System Rehabilitation and Replacement							
PIPE LID	Task Order #	Existing Size	PIPE COND.	LENGTH	NEW PIPE SIZE	Completion Date	Cost
WW.163202	WC 2010004	8"		305	12"	04/22/2010	\$ 41,880
WW.163201	WC 2010004	8"		322	12"	05/03/2010	\$ 40,916
WW.149965	WC 2010016	8"		50	15"	12/02/2010	\$ 6,240
WW.180580	WC 2010016	8"		321	15"	12/08/2010	\$ 56,725
WW.180581	WC 2010016	8"		324	15"	12/14/2010	\$ 55,247
Subtotal	0			1,322			\$ 201,008