



Colorado Springs Utilities
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Pueblo County 1041 Permit
Expenditures for Wastewater System
Improvements
Annual Progress Report

January 18, 2012

Reporting for the period between January 1, 2011 and December 31, 2011.

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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 2011 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 46,687 feet of less than 10-inch sewer pipe, representing approximately 189 line segments, at a cost of \$4,561,653 in 2011.

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 334 manholes, at a cost of \$776,836 in 2011.

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.

There were no pipes rehabilitated in 2011 that would be applicable to the terms of the 1041 Permit. All rehabilitation or replacement work on large diameter (greater than 10-inch) sewer pipe that were installed after January 1, 1994, was on CDPHE Compliance Order pipes and consisted of CIPP and/or point repairs.

Wastewater Reuse System

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

Wastewater Reuse Systems:

- Deliver tertiary-treated wastewater to parks, cemeteries, golf courses and commercial properties for landscape irrigation
- Deliver tertiary treated wastewater to Drake Power Plant for evaporative cooling
- Include supplies from raw surface water, groundwater, and reclaimed water

Only normal operation and maintenance of the reuse system was conducted in 2011.

Summary

During the reporting period of January 1, 2011 through December 31, 2011 costs for LCERP and MHERP totaled \$5,338,489.0

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 \$6.39M in 2011.

Appendix A

2011 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.141771	1862931	8	352	CIPP	GARDEN OF THE GODS	04/05/2011
WW.135399	1826871	8	537	CIPP	GARDEN OF THE GODS	01/05/2011
WW.135398	1826509	8	320	CIPP	GARDEN OF THE GODS	01/05/2011
WW.148137	1827437	8	362	CIPP	GARDEN OF THE GODS	01/06/2011
WW.164433	1827445	8	315	CIPP	GARDEN OF THE GODS	01/06/2011
WW.162180	1826912	8	133	CIPP	GARDEN OF THE GODS	01/27/2011
WW.143831	1826912	8	123	CIPP	GARDEN OF THE GODS	01/26/2011
WW.132337	1825823	8	498	CIPP	GARDEN OF THE GODS	06/07/2011
WW.151138	1923497	8	401	CIPP	TEMPLETON GAP	02/14/2011
WW.153156	1923502	8	401	CIPP	TEMPLETON GAP	02/14/2011
WW.160291	1923542	8	370	CIPP	TEMPLETON GAP	02/15/2011
WW.157276	1923539	8	402	CIPP	TEMPLETON GAP	02/11/2011
WW.155162	1923530	8	369	CIPP	TEMPLETON GAP	02/16/2011
WW.151147	1923495	8	176	CIPP	TEMPLETON GAP	02/17/2011
WW.163382	1923493	8	393	CIPP	TEMPLETON GAP	02/18/2011
WW.159332	1923523	8	272	CIPP	TEMPLETON GAP	02/18/2011
WW.155160	1923521	8	365	CIPP	TEMPLETON GAP	02/17/2011
WW.164876	1923517	8	269	CIPP	TEMPLETON GAP	02/17/2011
WW.133704	1923515	8	245	CIPP	TEMPLETON GAP	02/21/2011
WW.149154	1923512	8	230	CIPP	TEMPLETON GAP	02/21/2011
WW.157277	1923513	8	312	CIPP	TEMPLETON GAP	02/22/2011
WW.138851	1923508	8	308	CIPP	TEMPLETON GAP	02/22/2011
WW.140889	1923472	8	306	CIPP	TEMPLETON GAP	02/21/2011
WW.155161	1923474	8	255	CIPP	TEMPLETON GAP	02/21/2011
WW.161368	1923469	8	289	CIPP	TEMPLETON GAP	02/24/2011
WW.133703	1923483	8	231	CIPP	TEMPLETON GAP	02/24/2011
WW.135663	1901772	8	345	CIPP	TEMPLETON GAP	02/22/2011
WW.145106	1923660	8	165	CIPP	TEMPLETON GAP	02/22/2011
WW.149157	1923662	8	168	CIPP	TEMPLETON GAP	02/18/2011
WW.145107	1923654	8	375	CIPP	TEMPLETON GAP	02/18/2011
WW.161377	2137212	8	148	CIPP	TEMPLETON GAP	02/18/2011
WW.155174	1904514	8	139	CIPP	TEMPLETON GAP	02/18/2011
WW.160292	1923467	8	279	CIPP	TEMPLETON GAP	02/18/2011
WW.133721	1923463	8	397	CIPP	TEMPLETON GAP	02/21/2011
WW.140898	1923468	8	281	CIPP	TEMPLETON GAP	02/21/2011
WW.163392	1923465	8	312	CIPP	TEMPLETON GAP	02/19/2011
WW.136815	1893000	8	408	CIPP	TEMPLETON GAP	02/19/2011
WW.163395	1928744	8	202	CIPP	TEMPLETON GAP	02/21/2011
WW.145113	1928806	8	306	CIPP	TEMPLETON GAP	02/22/2011
WW.178792	1928808	8	137	CIPP	TEMPLETON GAP	02/22/2011
WW.178791	1928809	8	188	CIPP	TEMPLETON GAP	02/21/2011
WW.147184	1928810	8	143	CIPP	TEMPLETON GAP	02/21/2011
WW.155183	1897717	8	214	CIPP	TEMPLETON GAP	02/21/2011
WW.163399	1897712	8	253	CIPP	TEMPLETON GAP	02/22/2011
WW.148870	1856952	8	420	CIPP	UPPER SAND CREEK	02/22/2011
WW.159054	1807512	8	171	CIPP	UPPER SAND CREEK	02/22/2011
WW.136513	2045408	8	308	CIPP	UPPER SAND CREEK	02/21/2011
WW.152946	1858789	8	92	CIPP	UPPER SAND CREEK	02/24/2011
WW.159090	2137221	8	125	CIPP	UPPER SAND CREEK	02/25/2011
WW.163172	2137215	8	335	CIPP	UPPER SAND CREEK	02/24/2011
WW.142759	2137217	8	205	CIPP	UPPER SAND CREEK	02/22/2011
WW.150940	2137219	8	286	CIPP	UPPER SAND CREEK	02/22/2011
WW.133281	2137216	8	398	CIPP	UPPER SAND CREEK	02/22/2011
WW.133331	1858785	8	190	CIPP	UPPER SAND CREEK	02/25/2011
WW.150941	2137813	8	133	CIPP	UPPER SAND CREEK	02/25/2011
WW.152954	2137811	8	117	CIPP	UPPER SAND CREEK	02/25/2011
WW.152953	2137809	8	103	CIPP	UPPER SAND CREEK	02/25/2011
WW.143870	1723730	6	260	Replacement	WEST SIDE	02/25/2011
WW.144161	2138161	8	185	Replacement	PEREGRINE	03/11/2011
WW.162200	1707159	8	277	Replacement	WEST SIDE	03/22/2011
WW.133951	1822962	6	404	Replacement	SOUTH TEJON	03/04/2011
WW.149314	1780068	8	275	Replacement	SOUTH TEJON	03/12/2011
WW.149711	2137835	6	252	Replacement	SHOOKS RUN	04/14/2011
WW.153311	2137833	6	252	Replacement	SOUTH TEJON	03/14/2011
WW.157412	1822347	6	472	Replacement	SOUTH TEJON	03/30/2011
WW.159497	1821755	6	400	Replacement	SOUTH TEJON	04/20/2011

2011 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.136939	2137832	6	248	Replacement	SOUTH TEJON	04/04/2011
WW.151645	1861852	6	456	Replacement	SHOOKS RUN	04/12/2011
WW.154013	2055700	6	126	Replacement	SHOOKS RUN	03/25/2011
WW.155673	2137834	6	61	Replacement	SHOOKS RUN	05/09/2011
WW.136816	1946659	8	29	Replacement	SHOOKS RUN	05/09/2011
WW.167260	1918125	8	114	Replacement	TEMPLETON GAP	04/03/2011
WW.152053	1705196	6	463	Replacement	SHOOKS RUN	04/14/2011
WW.153661	1858822	6	404	Replacement	SHOOKS RUN	04/07/2011
WW.153161	1934136	8	254	Replacement	TEMPLETON GAP	02/02/2011
WW.143510	1792312	6	333	Replacement	SHOOKS RUN	02/02/2011
WW.138408	1952060	8	489	Replacement	TEMPLETON GAP	03/15/2011
WW.140664	2137831	8	267	Replacement	UPPER SAND CREEK	04/15/2011
WW.194983	2157408	8	358	CIPP	TEMPLETON GAP	04/28/2011
WW.133761	1962372	8	109	CIPP	TEMPLETON GAP	04/29/2011
WW.137762	1960405	8	115	CIPP	TEMPLETON GAP	05/05/2011
WW.154774	1960409	8	335	CIPP	TEMPLETON GAP	04/28/2011
WW.150783	1952975	8	355	CIPP	TEMPLETON GAP	04/28/2011
WW.132931	1957274	8	400	CIPP	TEMPLETON GAP	05/05/2011
WW.140488	1957276	8	347	CIPP	TEMPLETON GAP	05/09/2011
WW.187559	1951871	8	257	CIPP	TEMPLETON GAP	05/11/2011
WW.158947	1951994	8	441	CIPP	TEMPLETON GAP	05/04/2011
WW.136420	1951999	8	346	CIPP	TEMPLETON GAP	05/02/2011
WW.163005	1944030	8	256	CIPP	TEMPLETON GAP	05/02/2011
WW.137766	1953122	8	314	CIPP	TEMPLETON GAP	05/10/2011
WW.158983	1957281	8	349	CIPP	TEMPLETON GAP	05/10/2011
WW.146807	1949275	8	221	CIPP	TEMPLETON GAP	05/13/2011
WW.133054	1944023	8	271	CIPP	TEMPLETON GAP	05/16/2011
WW.158984	1944019	8	196	CIPP	TEMPLETON GAP	05/20/2011
WW.136463	1944022	8	236	CIPP	TEMPLETON GAP	05/18/2011
WW.164273	2170371	8	170	CIPP	WEST SIDE	05/19/2011
WW.164274	2166355	8	31	CIPP	WEST SIDE	05/20/2011
WW.152025	2166530	8	385	CIPP	WEST SIDE	05/31/2011
WW.160293	1929359	8	369	CIPP	TEMPLETON GAP	05/31/2011
WW.145124	1929360	8	159	CIPP	TEMPLETON GAP	06/21/2011
WW.157295	1929362	8	228	CIPP	TEMPLETON GAP	06/21/2011
WW.149185	1929364	8	252	CIPP	TEMPLETON GAP	06/21/2011
WW.161387	2074526	8	216	CIPP	TEMPLETON GAP	06/22/2011
WW.133746	2074524	8	244	CIPP	TEMPLETON GAP	06/22/2011
WW.159364	2074523	8	246	CIPP	TEMPLETON GAP	06/22/2011
WW.163412	2074520	8	291	CIPP	TEMPLETON GAP	06/23/2011
WW.133750	1929370	8	151	CIPP	TEMPLETON GAP	06/23/2011
WW.159365	1929372	8	206	CIPP	TEMPLETON GAP	06/24/2011
WW.157297	1929373	8	192	CIPP	TEMPLETON GAP	06/24/2011
WW.145125	1929381	8	180	CIPP	TEMPLETON GAP	06/24/2011
WW.143010	2074529	8	155	CIPP	TEMPLETON GAP	06/23/2011
WW.136828	1929384	8	155	CIPP	TEMPLETON GAP	06/23/2011
WW.147192	1929389	8	400	CIPP	TEMPLETON GAP	06/23/2011
WW.157296	1856955	8	218	CIPP	TEMPLETON GAP	06/22/2011
WW.155192	1929365	8	183	CIPP	TEMPLETON GAP	06/22/2011
WW.159366	1929367	8	128	CIPP	TEMPLETON GAP	06/28/2011
WW.151174	1929368	8	318	CIPP	TEMPLETON GAP	06/28/2011
WW.133748	1929369	8	238	CIPP	TEMPLETON GAP	06/24/2011
WW.132826	1929427	8	334	CIPP	TEMPLETON GAP	06/24/2011
WW.132827	1912613	8	277	CIPP	TEMPLETON GAP	06/27/2011
WW.157300	1929371	8	317	CIPP	TEMPLETON GAP	06/27/2011
WW.144668	2047836	8	302	CIPP	TEMPLETON GAP	06/24/2011
WW.156897	2047838	8	351	CIPP	TEMPLETON GAP	09/20/2011
WW.144670	2205236	8	195	CIPP	TEMPLETON GAP	09/20/2011
WW.138490	2205239	8	388	CIPP	TEMPLETON GAP	09/26/2011
WW.156903	2026568	8	110	CIPP	TEMPLETON GAP	09/26/2011
WW.164368	2026564	8	374	CIPP	TEMPLETON GAP	10/11/2011
WW.148748	2026553	8	133	CIPP	TEMPLETON GAP	10/11/2011
WW.138485	2029760	8	426	CIPP	TEMPLETON GAP	10/11/2011
WW.152777	2208548	8	302	CIPP	TEMPLETON GAP	09/19/2011
WW.146761	2041097	8	324	CIPP	TEMPLETON GAP	09/13/2011
WW.154786	2029568	8	274	CIPP	TEMPLETON GAP	09/13/2011

2011 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.146762	2208549	8	246	CIPP	TEMPLETON GAP	10/05/2011
WW.160271	2029540	8	409	CIPP	TEMPLETON GAP	10/05/2011
WW.140503	2029563	8	40	CIPP	TEMPLETON GAP	10/14/2011
WW.141882	2205241	8	128	CIPP	TEMPLETON GAP	10/15/2011
WW.132966	2029606	8	119	CIPP	TEMPLETON GAP	10/04/2011
WW.148753	2029610	8	130	CIPP	TEMPLETON GAP	10/04/2011
WW.148755	2205238	8	173	CIPP	TEMPLETON GAP	10/04/2011
WW.144672	2051774	8	222	CIPP	TEMPLETON GAP	09/12/2011
WW.163012	2205232	8	227	CIPP	TEMPLETON GAP	09/21/2011
WW.154071	2048303	8	444	CIPP	TEMPLETON GAP	09/21/2011
WW.162303	2048306	8	316	CIPP	TEMPLETON GAP	09/27/2011
WW.138528	2205242	8	265	CIPP	TEMPLETON GAP	10/06/2011
WW.150827	2048310	8	156	CIPP	TEMPLETON GAP	09/28/2011
WW.133062	2051717	8	217	CIPP	TEMPLETON GAP	09/28/2011
WW.156927	2051671	8	269	CIPP	TEMPLETON GAP	10/06/2011
WW.163044	2051711	8	266	CIPP	TEMPLETON GAP	10/06/2011
WW.156142	2051601	8	182	CIPP	TEMPLETON GAP	10/20/2011
WW.148757	2048301	8	313	CIPP	TEMPLETON GAP	09/22/2011
WW.154070	2140922	8	233	CIPP	TEMPLETON GAP	09/22/2011
WW.163014	2208553	8	128	CIPP	TEMPLETON GAP	10/12/2011
WW.144675	2208549	8	148	CIPP	TEMPLETON GAP	10/12/2011
WW.144628	2047063	8	288	CIPP	TEMPLETON GAP	10/12/2011
WW.156868	2047072	8	269	CIPP	TEMPLETON GAP	09/15/2011
WW.138499	2140924	8	201	CIPP	TEMPLETON GAP	10/12/2011
WW.161007	2208551	8	250	CIPP	TEMPLETON GAP	10/03/2011
WW.139801	2029757	8	456	CIPP	TEMPLETON GAP	10/03/2011
WW.144687	2029513	8	250	CIPP	TEMPLETON GAP	10/17/2011
WW.136427	2029514	8	297	CIPP	TEMPLETON GAP	10/10/2011
WW.144688	2051831	8	215	CIPP	TEMPLETON GAP	10/10/2011
WW.150799	2051834	8	381	CIPP	TEMPLETON GAP	10/18/2011
WW.163021	2208552	8	180	CIPP	TEMPLETON GAP	10/18/2011
WW.136434	2029598	8	272	CIPP	TEMPLETON GAP	10/18/2011
WW.136429	2029600	8	148	CIPP	TEMPLETON GAP	10/19/2011
WW.142640	2205233	8	283	CIPP	TEMPLETON GAP	10/19/2011
WW.138537	2205240	8	249	CIPP	TEMPLETON GAP	10/13/2011
WW.133079	2051728	8	50	CIPP	TEMPLETON GAP	09/15/2011
WW.132807	1946375	8	67	Replacement	TEMPLETON GAP	08/15/2011
WW.132875	1950433	8	27	Replacement	TEMPLETON GAP	08/16/2011
WW.136417	1946302	6	329	Replacement	TEMPLETON GAP	09/17/2011
WW.136607	1960517	8	85	Replacement	TEMPLETON GAP	07/18/2011
WW.138820	1959323	8	56	Replacement	TEMPLETON GAP	09/19/2011
WW.142544	1945017	8	41	Replacement	TEMPLETON GAP	09/20/2011
WW.150713	1946369	8	67	Replacement	TEMPLETON GAP	07/08/2011
WW.150756	1945723	8	157	Replacement	TEMPLETON GAP	09/22/2011
WW.144634	1946260	8	21	Replacement	TEMPLETON GAP	09/23/2011
WW.148708	1945441	8	21	Replacement	TEMPLETON GAP	09/24/2011
WW.150728	1946262	8	20	Replacement	TEMPLETON GAP	09/28/2011
WW.158909	2213456	8	41	Replacement	TEMPLETON GAP	09/26/2011
WW.132715	1936986	8	12	Replacement	TEMPLETON GAP	09/27/2011
WW.132951	1946383	8	37	Replacement	TEMPLETON GAP	09/28/2011
WW.136790	1944979	8	145	Replacement	TEMPLETON GAP	09/29/2011
WW.146715	2215019	8	11	Replacement	TEMPLETON GAP	09/30/2011
WW.147662	1414261	8	618	Replacement	SHOOKS RUN	09/14/2011
WW.148697	1940610	8	49	Replacement	SHOOKS RUN	10/07/2011
WW.148701	2214635	8	52	Replacement	SHOOKS RUN	09/19/2011
WW.155198	1946362	8	185	Replacement	SHOOKS RUN	10/04/2011
WW.161773	1852328	8	502	Replacement	SHOOKS RUN	10/05/2011
Totals			46,687	189		

Appendix B

2011 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.111244	2108842	4	7.4	01/25/2011
WW.113285	2108847	4	11.2	01/25/2011
WW.102755	2108850	5	7.3	01/14/2011
WW.102757	2108852	4	8.4	01/19/2011
WW.125288	2108855	4	9.9	01/19/2011
WW.102941	2108855	4	6.7	01/21/2011
WW.115446	2108857	4	12.6	01/26/2011
WW.102943	2113968	4	5.7	01/21/2011
WW.129358	2111510	5	13.9	01/28/2011
WW.119353	2108860	4	12.7	01/26/2011
WW.123299	2108862	4	23.7	01/27/2011
WW.123300	2108863	4	9	01/21/2011
WW.131364	2108864	4	7.5	01/26/2011
WW.119403	2355334	4	10.3	10/28/2011
WW.115500	2119899	4	9	01/28/2011
WW.127446	2108865	5	14.1	01/28/2011
WW.111020	2111510	4	13.1	03/02/2011
WW.102294	2108868	4	7.6	03/09/2011
WW.109083	2108869	4	11.6	04/07/2011
WW.111057	2108870	4	17.6	02/28/2011
WW.117114	2108872	4	10.1	03/03/2011
WW.120990	2108875	4	13	03/01/2011
WW.125010	2108877	4	8.6	03/02/2011
WW.105083	2108879	5	14.2	02/23/2011
WW.113122	2108884	5	12.2	02/23/2011
WW.115130	2108886	6	21.1	02/24/2011
WW.129046	2108889	5	12.4	02/23/2011
WW.102442	2108891	5	19.9	01/18/2011
WW.113137	2108893	5	14.9	01/18/2011
WW.102459	2108894	5	12.6	01/17/2011
WW.102463	2108898	5	12.5	01/06/2011
WW.105137	2108901	5	12.4	04/05/2011
WW.105147	2108904	5	10.2	02/24/2011
WW.107143	2108905	5	17.8	02/21/2011
WW.109171	2108906	5	12.8	01/15/2011
WW.111133	2108908	5	18	04/05/2011
WW.111134	2108909	5	12.4	01/15/2011
WW.111143	2108910	5	12.8	01/17/2011
WW.115195	2108911	5	13.1	01/15/2011
WW.117198	2108912	5	11.5	01/17/2011
WW.119116	2108914	5	12.8	01/15/2011
WW.127140	2108916	6	14.5	01/15/2011
WW.127141	2108917	5	12.5	11/15/2011
WW.129110	2108920	5	13.2	01/06/2011
WW.104708	2108922	5	25.1	03/22/2011
WW.106680	2108928	5	16.1	03/15/2011
WW.106689	2108929	5	23	04/07/2011
WW.114765	2108962	5	10.6	03/14/2011
WW.122576	2108965	5	11	03/21/2011
WW.126665	2108995	5	26.2	03/17/2011
WW.164981	2109037	5	8.1	03/12/2011
WW.101644	2109039	5	22	04/01/2011
WW.101668	2109318	4	16	08/25/2011
WW.110745	2109320	4	17.9	07/05/2011
WW.126690	2109551	4	9.6	08/25/2011
WW.130688	2109554	4	20	07/05/2011
WW.101729	2109555	5	10	06/29/2011
WW.104752	2109559	5	10.3	06/21/2011
WW.106718	2109562	5	10.3	06/29/2011
WW.112809	2109564	5	10.3	06/22/2011
WW.112810	2109571	5	10.7	06/23/2011
WW.112811	2105972	5	10	06/21/2011
WW.112813	2109575	5	11	06/23/2011
WW.118716	2109578	5	10	06/21/2011
WW.124672	2109582	5	22.3	06/30/2011
WW.128727	2109654	5	11.1	06/22/2011
WW.128728	2109655	5	10	03/29/2011
WW.101737	2109656	4	10.6	07/19/2011
WW.104757	2109657	4	9.7	07/19/2011

2011 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.112819	2109658	4	10	07/12/2011
WW.114823	2109659	4	9.8	07/07/2011
WW.120696	2109660	4	12.6	07/13/2011
WW.122631	2109662	4	10	07/12/2011
WW.124703	2109664	4	10	07/07/2011
WW.110790	2109665	4	9.3	08/30/2011
WW.101822	2109666	5	5.8	04/21/2011
WW.101827	2109669	5	21	05/20/2011
WW.101835	2109670	4	13.7	05/12/2011
WW.104795	2109672	5	11.6	05/20/2011
WW.104796	2109674	5	5.9	07/31/2011
WW.106773	2109675	5	7.2	04/22/2011
WW.108824	2109677	5	9.6	04/21/2011
WW.108826	2109681	5	9.7	04/21/2011
WW.108832	2109682	4	12.7	05/19/2011
WW.108833	2109683	4	6.5	05/18/2011
WW.110812	2109684	5	14.2	05/18/2011
WW.110814	2109821	4	12.4	05/17/2011
WW.110815	2109822	4	9.5	05/18/2011
WW.112850	2109823	5	5.7	04/21/2011
WW.194944	2168227	5	20.5	05/05/2011
WW.116816	2109825	5	6.2	04/22/2011
WW.120744	2109826	5	14	05/12/2011
WW.124752	2109827	4	8.1	05/17/2011
WW.126778	2109828	4	7.8	05/17/2011
WW.130758	2109829	5	8.7	04/20/2011
WW.130759	2109830	5	5.7	04/21/2011
WW.165060	2109831	5	19	05/03/2011
WW.101841	2109832	4	8.4	07/21/2011
WW.106787	2109833	4	14.2	03/31/2011
WW.108836	2109834	4	7	05/19/2011
WW.110817	2109835	4	7.3	03/31/2011
WW.126780	2109836	4	6.6	03/31/2011
WW.130787	2109837	5	10.4	07/25/2011
WW.112923	2109840	4	17.3	03/30/2011
WW.101949	2109841	4	10.4	09/21/2011
WW.101952	2109842	5	15	06/28/2011
WW.105232	2109843	4	10.4	6/13/11
WW.106864	2109844	4	13.1	6/13/11
WW.107239	2109853	4	8.3	6/15/11
WW.111223	2109854	5	14.8	6/27/11
WW.126869	2109855	6	15.3	6/30/11
WW.129204	2109856	5	18.9	6/28/11
WW.129206	2109857	5	13.6	6/27/11
WW.131220	2109858	4	25.1	6/16/11
WW.130888	2119905	4	11.5	3/10/11
WW.128110	2119906	5	9	3/1/11
WW.126929	2119909	4	11.6	3/10/11
WW.130900	2119912	4	8.5	3/9/11
WW.111529	2177638	5	15.7	5/26/11
WW.113280	2063053	5	8	6/2/11
WW.107758	2063051	5	10	6/2/11
WW.197784	2183256	5	12.8	7/18/11
WW.197766	2183258	4	18.1	6/28/11
WW.197764	2183257	4	17.5	6/5/11
WW.128907	2203031	5	11.1	7/26/11
WW.115002	2203032	6	9.7	7/26/11
WW.120104	2063049	5	12	7/25/11
WW.117338	2194729	4	14.3	8/19/11
WW.123209	2194731	4	12.6	8/19/11
WW.121241	2194828	4	9.5	8/22/11
WW.115456	2194830	4	11.7	8/23/11
WW.105456	2194733	4	16.7	8/12/11
WW.117511	2194740	4	6	7/26/11
WW.123416	2194742	5	13.3	7/28/11
WW.131483	2194746	4	14.4	7/28/11
WW.113552	2205690	4	14.2	8/3/11
WW.105099	2194751	5	20	8/8/11
WW.115159	2194752	6	20.2	8/8/11

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.122981	2194754	5	16.6	8/31/11
WW.127110	2194755	5	19.7	8/3/11
WW.109185	2194757	5	10.4	8/17/11
WW.109183	2194758	5	14.4	8/18/11
WW.104783	2194764	5	16.2	7/22/11
WW.122750	2194765	4	7.9	8/15/11
WW.101930	2194767	4	24.7	8/16/11
WW.110869	2194768	5	25.6	8/15/11
WW.102788	2194770	4	11.1	8/4/11
WW.102789	2194771	5	10.6	8/4/11
WW.102792	2194773	5	4.6	8/9/11
WW.105302	2194775	4	7.1	8/9/11
WW.107313	2194776	4	7.1	8/5/11
WW.109354	2194777	4	9.7	8/4/11
WW.117350	2194778	4	10.3	8/10/11
WW.127307	2194779	4	4.4	8/9/11
WW.131286	2194780	4	7.1	8/5/11
WW.119318	2122947	4	9.4	1/4/10
WW.123315	2194831	4	8.7	8/24/11
WW.102974	2194832	5	8.9	8/25/11
WW.125528	2194784	4	8.2	8/22/11
WW.131760	2194786	5	7.4	8/19/11
WW.103719	2194787	4	13	8/19/11
WW.131781	2194788	5	9	8/31/11
WW.115796	2194789	4	6.5	8/31/11
WW.102570	2194791	4	12.2	8/22/11
WW.101993	2194792	4		8/31/11
WW.119779	2194794	5	11.6	8/31/11
WW.111802	2206117	4	11	9/1/11
WW.127010	2210837	4	12.4	8/11/11
WW.103125	2204491	4	10	8/25/11
WW.103127	2204492	4	13.7	8/24/11
WW.105486	2204494	4	9	8/25/11
WW.105489	2204495	5	9.6	8/25/11
WW.107470	2204496	5	11.2	8/24/11
WW.117490	2204497	5	14	8/25/11
WW.117495	2204498	5	10.6	8/23/11
WW.123386	2204501	5	8.5	11/1/11
WW.125446	2204502	5	8x12	8/25/11
WW.125447	2204503	5	20.9	11/9/11
WW.125451	2204504	5	9	8/23/11
WW.129444	2204508	5	20	11/3/11
WW.129445	2204509	5	18.5	11/1/11
WW.129447	2204510	5	10.7	8/24/11
WW.119438	2204511	5	11.6	8/30/11
WW.103191	2204514	5	16.1	9/6/11
WW.103192	2204515	5	13.6	9/1/11
WW.105516	2204516	4	7.3	9/6/11
WW.109543	2204517	6	12.2	9/6/11
WW.111491	2204518	6	17.5	11/10/11
WW.113559	2204519	5	17.6	9/9/11
WW.113560	2204520	6	15.6	9/14/11
WW.123422	2204521	6	10x10x20	9/19/11
WW.127482	2204522	6	19.3	9/8/11
WW.109546	2204523	6	8	11/28/11
WW.113561	2204525	9x15	15.2	9/20/11
WW.121429	2204526	6	17x4x8	11/28/11
WW.123426	2204528	5	11x9x19.5	9/30/11
WW.131497	2204530	5	13x9x18	9/20/11
WW.104389	2204531	5	9.2	11/14/11
WW.116366	2204532	5	10	11/14/11
WW.130343	2204534	9x15	9.8	11/10/11
WW.108460	2204535	4	14.8	11/28/11
WW.112449	2204537	4	16.2	11/30/11
WW.117529	2204548	4	19	11/18/11
WW.127493	2204551	5	19	11/18/11
WW.107530	2219502	4	12.7	10/19/11
WW.129498	2219505	4	7.8	9/26/11
WW.129500	2199506	4	7.9	9/27/11

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.103246	2219510	5	7.4	9/26/11
WW.123451	2219511	5	9.1	9/26/11
WW.119507	2219535	5	11.3	10/17/11
WW.123524	2219544	4	12.6	10/10/11
WW.131544	2219558	4	11.8	10/13/11
WW.103356	2219566	5	15.3	10/19/11
WW.113600	2219575	5	14	10/12/11
WW.115621	2219579	5	18.4	10/10/11
WW.117580	2219581	5	19.8	10/18/11
WW.119543	2219582	5	15	11/29/11
WW.121496	2219584	5	11.9	10/6/11
WW.123467	2219585	5	15	10/12/11
WW.103422	2219587	5	9.1	10/10/11
WW.109632	2219588	5	10.5	10/6/11
WW.119573	2219590	5	9.1	10/10/11
WW.103434	2219591	4	7.2	9/12/11
WW.103439	2219592	5	8.8	9/12/11
WW.113667	2219594	4	8.3	9/12/11
WW.121537	2219595	4	7.9	9/12/11
WW.129597	2219597	5	8.8	9/12/11
WW.103490	2219598	4	8.2	9/13/11
WW.103491	2219600	4	22.8	09/19/2011
WW.103494	2219601	4	12	09/19/2011
WW.103496	2219603	5	12.1	09/19/2011
WW.103497	2219604	5	12.5	09/19/2011
WW.103498	2219605	5	12.4	09/26/2011
WW.113690	2219607	5	14.2	09/14/2011
WW.115840	2219608	5	10.2	09/19/2011
WW.123554	2219609	5	12.5	09/14/2011
WW.127635	2219610	5	18.5	09/14/2011
WW.129627	2219611	5	5.8	09/13/2011
WW.165965	2219612	5	11.2	09/14/2011
WW.101162	2199665	5	10.1	08/11/2011
WW.104452	2199666	4	10.1	08/16/2011
WW.108466	2199667	6	10.5	08/16/2011
WW.114487	2199668	4	10.9	08/16/2011
WW.124397	2199669	4	11.1	08/16/2011
WW.124398	2199670	4	9.8	08/16/2011
WW.124399	2199671	4	11.1	08/16/2011
WW.110670	2199672	6	16.6	09/28/2011
WW.124590	2199673	4	17.7	09/24/2011
WW.105536	2199674	4	11.6	08/01/2011
WW.107537	2199675	4	12.3	08/01/2011
WW.107539	2199676	4	10.3	07/27/2011
WW.107542	2199677	5	12.6	07/27/2011
WW.107545	2199678	5	7.9	07/26/2011
WW.111518	2199679	5	10.2	07/26/2011
WW.115575	2199680	5	11.1	08/01/2011
WW.115576	2199681	5	11.5	07/26/2011
WW.119489	2199682	5	11.7	07/27/2011
WW.119491	2199683	5	11.5	07/26/2011
WW.127510	2199684	5	9.5	08/01/2011
WW.127511	2199685	5	13.5	09/29/2011
WW.127514	2199686	5	10.6	07/26/2011
WW.131528	2199687	5	11	07/26/2011
WW.103311	2199688	5	15.5	09/28/2011
WW.107581	2199689	5	15.4	08/23/2011
WW.103314	2199690	5	10.1	08/03/2011
WW.107603	2199691	5	14.6	08/08/2011
WW.107607	2199692	5	13.4	08/04/2011
WW.109634	2199694	5	15.1	09/28/2011
WW.109635	2199695	5	13	08/04/2011
WW.111563	2199696	5	6.2	08/03/2011
WW.113615	2199697	5	8.5	08/03/2011
WW.113641	2199699	5	15.4	08/08/2011
WW.117596	2199700	5	13.1	08/04/2011
WW.123482	2199701	5	9.1	08/03/2011
WW.131561	2199702	5	15.8	08/16/2011
WW.131565	2199703	5	9	08/03/2011

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
WW.111610	2199704	5	12.2	08/30/2011
WW.115632	2199705	5	13.6	09/29/2011
WW.119577	2199706	5	13.2	08/30/2011
WW.127574	2199707	5	13.6	10/03/2011
WW.103454	2199708	5	15.1	09/27/2011
WW.113673	2199711	5	13.8	10/05/2011
WW.119583	2199712	5	19	10/03/2011
WW.121548	2199713	5	10.3	09/27/2011
WW.123541	2199714	5	10.6	08/23/2011
WW.125608	2199664	6	13.2	08/23/2011
WW.127613	2199716	4	13.1	09/27/2011
WW.117668	2199717	4	8	08/30/2011
WW.119637	2199718	5	10.2	08/24/2011
WW.127665	2199719	5	12.8	08/17/2011
WW.100864	2199720	4	8.6	10/05/2011
WW.110309	2199721	5	13.2	10/05/2011
WW.107551	2155043	5	16.6	05/25/2011
WW.107552	2155045	5	16	04/21/2011
WW.111525	2155046	5	17	06/01/2011
WW.119498	2155047	5	17.6	05/03/2011
WW.125521	2155048	5	19.9	04/11/2011
WW.127516	2155049	5	12	04/11/2011
WW.127517	2155050	5	19.4	07/15/2011
WW.127518	2155051	5	10.2	07/20/2011
WW.131533	2155052	5	16.8	06/01/2011
WW.131534	2155053	5	10.8	07/20/2011
WW.103305	2155054	5	14	07/18/2011
WW.103324	2155055	5	15	07/18/2011
WW.109611	2155056	5	15	07/18/2011
WW.111565	2155057	5	11.6	07/18/2011
WW.127551	2155058	5	10.7	07/14/2011
WW.129555	2155059	5	13	07/15/2011
WW.101495	2155060	5	13.2	07/20/2011
WW.104619	2155061	5	16.3	07/20/2011
WW.124562	2155062	5	vault	07/31/2011
WW.101563	2155063	5	19	07/22/2011
WW.123492	2155351	5	5	07/12/2011
WW.125554	2155352	6	9	07/08/2011
WW.121281	2155072	5	12.2	07/15/2011
WW.105314	2155071	4	10.2	07/15/2011
WW.113421	2155070	5	13.1	07/15/2011
WW.110914	2155069	4	7.5	04/19/2011
WW.103463	2155068	4	11.8	05/03/2011
WW.123540	2155067	4	12	04/29/2011
WW.102830	2155066	4	7.5	04/19/2011
WW.106144	2155065	4	10.4	07/15/2011
WW.120096	2155064	4	8.3	04/28/2011
WW.121315	2122579	4	9	03/23/2011
WW.102191	2122584	4	9	04/01/2011
WW.105175	2122583	4	9	04/06/2011
WW.129864	2122582	4	9	04/07/2011
WW.129756	2122580	4	9	04/04/2011
WW.119294	2125689	4	9	01/20/2011
WW.107387	2122576	4	9	03/31/2011
WW.119356	2122575	4	9	03/31/2011
WW.125352	2122573	4	9	03/29/2011
WW.127375	2125690	4	9	03/22/2011
WW.105448	2131870	4	9	03/22/2011
Totals				334