



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

January 17, 2013

Reporting for the period between January 1, 2012 and December 31, 2012.

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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 2012, 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 (SSOs)
- Is part of the overall long-term investments to our wastewater system through the year 2025.

In 2012, LCERP repaired or rehabilitated approximately 26,003 feet of less than 10-inch sewer pipe, representing approximately 90 line segments, at a cost of \$2,055,737.

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.

In 2012, MHERP repaired or rehabilitated 425 manholes, at a cost of \$755,602.

Collection System Rehabilitation and Replacement Project (R&R)

The R&R project rehabilitates or replaces large diameter (greater than 10-inch) sewer pipes 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 SSOs and stoppages
- Reduces the risk of spills, thereby protecting public health and environment.

There were no pipes rehabilitated in 2012 that would be applicable to the terms of the 1041 Permit. All R&R project work on large diameter (greater than 10-inch) sewer pipes that were installed after January 1, 1994, was on pipes subject to a Compliance Order on Consent issued by the Colorado Department of Public Health and Environment in 2001 and consisted of cured-in-place pipe installations 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 2012.

Summary

During the reporting period of January 1, 2012 through December 31, 2012 costs for LCERP and MHERP totaled \$2,811,339.

¹ A program, separate from the R&R project, is 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. These compliance activities resulted in an expenditure of \$2.99M in 2012.

Appendix A

2012 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.141232	2435927	8	349	CIPP	CRAGMOOR	02/06/12
WW.140222	2435928	8	271	CIPP	MESA VALLEY	02/07/12
WW.134348	2435930	8	264	CIPP	CRAGMOOR	02/08/12
WW.156078	2435931	8	254	CIPP	WEST SIDE	02/09/12
WW.136050	2435932	8	60	CIPP	NORTH SUBURBAN	02/10/12
WW.139688	2435933	8	179	replacement	WEST SIDE	01/05/12
WW.137703	2435934	8	425	replacement	WEST SIDE	01/05/12
WW.155650	1829018	8	274	CIPP	SHOOKS RUN	05/07/12
WW.146821	2357972	8	281	CIPP	UPPER SAND CREEK	05/08/12
WW.158998	2436145	8	385	CIPP	UPPER SAND CREEK	05/09/12
WW.146824	2357597	8	210	CIPP	UPPER SAND CREEK	05/10/12
WW.133838	2352706	8	165	CIPP	BEAR CREEK	05/11/12
WW.137468	2177604	8	237	CIPP	SPRING CREEK	05/12/12
WW.154131	2435939	8	435	CIPP	SHOOKS RUN	04/17/12
WW.145545	2435946	8	475	CIPP	SHOOKS RUN	04/18/12
WW.134600	2435947	8	323	CIPP	SHOOKS RUN	04/19/12
WW.161783	2435948	8	441	CIPP	SHOOKS RUN	04/20/12
WW.163935	2055707	8	451	CIPP	SHOOKS RUN	04/24/12
WW.153707	2435949	8	161	CIPP	SHOOKS RUN	04/25/12
WW.137349	2054884	8	382	CIPP	SHOOKS RUN	04/26/12
WW.137350	2054883	8	238	CIPP	SHOOKS RUN	04/27/12
WW.134765	2435950	8	335	CIPP	SHOOKS RUN	04/28/12
WW.143947	2435952	8	275	CIPP	UPPER SAND CREEK	07/06/12
WW.148856	2435954	8	399	CIPP	UPPER SAND CREEK	07/07/12
WW.133156	2435975	8	399	CIPP	UPPER SAND CREEK	07/08/12
WW.154925	2436039	8	340	CIPP	UPPER SAND CREEK	07/09/12
WW.142725	2436090	8	161	CIPP	UPPER SAND CREEK	07/28/12
WW.141895	2436128	8	382	CIPP	UPPER SAND CREEK	07/29/12
WW.152125	2436130	8	363	CIPP	UPPER SAND CREEK	07/30/12
WW.159064	2436131	8	261	CIPP	UPPER SAND CREEK	07/31/12
WW.140634	2436132	8	293	CIPP	UPPER SAND CREEK	08/01/12
WW.146910	2436134	8	354	CIPP	UPPER SAND CREEK	08/02/12
WW.152910	2436136	8	137	CIPP	UPPER SAND CREEK	08/01/12
WW.136543	2436138	8	248	CIPP	UPPER SAND CREEK	06/12/12
WW.159058	2436139	8	345	CIPP	UPPER SAND CREEK	06/13/12
WW.141894	2436140	8	292	CIPP	UPPER SAND CREEK	06/14/12
WW.149535	1856957	8	393	CIPP	CRAGMOOR	06/15/12
WW.157337	1947368	8	308	CIPP	BEAR CREEK	07/10/12
WW.152566	2140794	8	320	CIPP	BRIARGATE	07/11/12
WW.163376	2469068	8	301	CIPP	TEMPLETON GAP	07/12/12
WW.135660	2469070	8	301	CIPP	TEMPLETON GAP	10/01/12
WW.163368	1892991	8	245	CIPP	TEMPLETON GAP	06/26/12
WW.137793	1893006	8	321	CIPP	TEMPLETON GAP	06/26/12
WW.149134	1926307	8	292	CIPP	TEMPLETON GAP	12/12/12
WW.159321	1926329	8	48	CIPP	TEMPLETON GAP	12/12/12
WW.157259	1926509	8	396	CIPP	TEMPLETON GAP	12/13/12
WW.153159	1926324	8	169	CIPP	TEMPLETON GAP	12/14/12
WW.155157	1926555	8	273	CIPP	TEMPLETON GAP	09/03/12
WW.140878	1926327	8	150	CIPP	TEMPLETON GAP	12/17/12
WW.140882	1926458	8	304	CIPP	TEMPLETON GAP	08/03/12
WW.140884	1926441	8	416	CIPP	TEMPLETON GAP	08/30/12
WW.145084	1926401	8	261	CIPP	TEMPLETON GAP	06/26/12
WW.145088	1926483	8	382	CIPP	TEMPLETON GAP	08/24/12
WW.145099	1926743	8	359	CIPP	TEMPLETON GAP	08/28/12
WW.138846	1926524	8	327	CIPP	TEMPLETON GAP	07/19/12
WW.152142	1927129	8	419	CIPP	TEMPLETON GAP	08/27/12
WW.145101	1926844	8	274	CIPP	TEMPLETON GAP	07/19/12
WW.133697	1927206	8	317	CIPP	TEMPLETON GAP	08/24/12
WW.133699	1927214	8	288	CIPP	TEMPLETON GAP	07/18/12
WW.159345	2469071	8	317	CIPP	TEMPLETON GAP	07/30/12
WW.163380	2469072	8	298	CIPP	TEMPLETON GAP	07/13/12
WW.151108	2045409	8	347	CIPP	LOWER COTTONWOOD CREEK	07/17/12
WW.151110	2045478	8	154	CIPP	LOWER COTTONWOOD CREEK	08/23/12
WW.157222	2045402	8	409	CIPP	LOWER COTTONWOOD CREEK	07/18/12

2012 - Local Collectors Evaluation and Rehabilitation Project

CSU Location ID	Work Order #	DIAMETER (inches)	LENGTH (feet)	Assesment Description	Collection Basin Name	Date Complete
WW.155114	2045521	8	89	CIPP	LOWER COTTONWOOD CREEK	07/16/12
WW.142939	2045703	8	287	CIPP	LOWER COTTONWOOD CREEK	08/22/12
WW.140824	2045403	8	260	CIPP	LOWER COTTONWOOD CREEK	06/28/12
WW.140502	2047827	8	449	CIPP	TEMPLETON GAP	06/27/12
WW.150790	2047830	8	415	CIPP	TEMPLETON GAP	06/28/12
WW.132958	2047833	8	372	CIPP	TEMPLETON GAP	06/29/12
WW.146712	2046468	8	240	CIPP	TEMPLETON GAP	06/29/12
WW.147180	1927796	8	154	CIPP	TEMPLETON GAP	07/11/12
WW.155182	1928038	8	313	CIPP	TEMPLETON GAP	07/12/12
WW.161381	1927907	8	308	CIPP	TEMPLETON GAP	07/12/12
WW.153824	1818493	8	190	CIPP	SPRING CREEK	06/29/12
WW.154075	2220531	8	252	CIPP	UPPER SAND CREEK	06/29/12
WW.142687	2220532	8	440	CIPP	UPPER SAND CREEK	07/11/12
WW.150880	2220533	8	227	CIPP	UPPER SAND CREEK	06/25/12
WW.133723	2220534	8	158	CIPP	TEMPLETON GAP	06/28/12
WW.132297	1964367	8	268	CIPP	DOUGLAS CREEK	08/02/12
WW.144314	1964369	8	343	CIPP	DOUGLAS CREEK	07/31/12
WW.137133	2483400	8	188	CIPP	CRAGMOOR	08/30/12
WW.149524	2483399	8	188	CIPP	CRAGMOOR	08/01/12
WW.147485	1856961	8	196	CIPP	CRAGMOOR	08/01/12
WW.141238	2483402	8	173	Replacement	CRAGMOOR	09/11/12
WW.135631	2409140	8	202	Replacement	UPPER SAND CREEK	09/12/12
WW.177811	2409141	8	285	Replacement	UPPER SAND CREEK	09/14/12
WW.146873	2409143	8	94	Replacement	UPPER SAND CREEK	10/01/12
WW.148857	2049144	8	299	Replacement	UPPER SAND CREEK	10/02/12
ww.145296	2364936	8	380	Replacement	CARSON VALLEY	09/14/12
Totals		90	26,003			

Appendix B

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.103113	2204493	4	12.3	04/23/2012
ww.119470	2204550	4	14	04/24/2012
ww.106439	2204546	4	16.6	04/26/2012
ww.124393	2204545	4	11	04/25/2012
ww.122321	2204543	5	16.8	04/26/2012
ww.120375	2204542	5	10.5	04/25/2012
ww.118426	2204540	5	9.9	04/25/2015
ww.116441	2204538	5	15.5	04/25/2012
ww.112695	2204553	4	9.6	04/25/2012
ww.128602	2204552	4	14.1	04/24/2012
ww.112448	2204536	5	9.6	04/25/2012
ww.126359	2204533	5	9.9	05/03/2012
ww.119432	2204499	5	12.7	04/24/2012
ww.109586	2219522	5	13.3	09/23/2012
ww.107556	2219513	5	12.8	04/06/2012
ww.129536	2219551	5	10.2	04/06/2012
ww.118480	2399769	4	7.8	04/24/2012
ww.117416	2399781	4	9.7	04/05/2012
ww.122716	2399782	5	12.3	05/30/2012
ww.111537	2399783	5	7.3	04/06/2012
ww.117263	2399784	5	7.4	04/02/2012
ww.102104	2399785	4	10.6	04/04/2012
ww.128907	2399789	4	13.2	04/02/2012
ww.125373	2399790	4	10.5	03/01/2012
ww.117455	2399791	4	9	02/29/2012
ww.129394	2399793	4	7.5	02/29/2012
ww.111415	2399794	4	9.9	04/04/2012
ww.121666	2399795	4	8.5	03/01/2012
ww.103810	2399796	4	6.5	04/05/2012
ww.198424	2399797	4	7	04/05/2012
ww.108868	2399798	5	21	02/29/2012
ww.103794	2399799	4	10.5	03/01/2012
ww.111984	2399801	4	11	05/10/2012
ww.116072	2399802	5	10.6	09/13/2012
ww.102699	2399805	5	12.4	04/02/2012
ww.100413	2399808	5	9.2	04/25/2012
ww.113421	2399809	4	13.2	04/02/2012
ww.129402	2399810	4	7	04/05/2012
ww.113290	2399986	5	9.2	09/11/2012
ww.129750	2399987	4	7.6	02/29/2012
ww.114158	2415330	6	19	04/09/2012
ww.112132	2415331	5	19	04/09/2012
ww.100512	2415333	4	12.8	04/12/2012
ww.122019	2415337	4	13.5	04/10/2012
ww.106147	2415342	5	15.7	04/23/2012
ww.116145	2415343	5	13.9	04/23/2012
ww.130092	2415344	5	13.2	04/10/2012
ww.100513	2415345	4	12.8	04/11/2012
ww.130937	2422462	5	21	05/08/2012
ww.119473	2422463	5	18.3	05/24/2012
ww.113616	2199698	4	12.9	06/13/2012
ww.101284	2468370	4	9.7	08/23/2012
ww.104812	2468363	4	8.2	08/20/2012
ww.106790	2468365	4	13	08/20/2012
ww.118273	2468360	4	9.7	08/20/2012
ww.111219	2468400	4	10.7	08/23/2012
ww.116658	2468368	4	9.7	08/23/2012
ww.126781	2468364	4	8.2	08/20/2012
ww.106040	2468415	4	6.7	08/27/2012
ww.108078	2468416	4	5.2	08/27/2012
ww.105790	2468392	5	5.7	12/03/2012
ww.105793	2468395	4	9.2	09/06/2012
ww.113803	2468393	4	8.7	09/06/2012
ww.121274	2468419	4	6.8	09/05/2012
ww.127527	2468420	4	12.7	09/07/2012
ww.113770	2383197	4	5.9	03/01/2012
ww.117747	2383198	4	5	03/06/2012
ww.115750	2383199	4	4.6	03/06/2012
ww.129706	2383200	4	6.2	03/06/2012
ww.131733	2383201	4	7.2	03/06/2012
ww.115748	2383202	4	5.2	03/05/2012
ww.129703	2383203	4	6.9	04/10/2012
ww.129704	2383204	4	6.1	03/12/2012
ww.109773	2383205	4	5.6	03/12/2012
ww.125724	2383206	4	5.6	03/09/2012
ww.113767	2383207	4	4.3	02/29/2012
ww.105740	2383208	4	7.4	04/11/2012
ww.127703	2383209	4	9.7	04/11/2012
ww.129699	2383210	4	11.7	04/11/2012
ww.129702	2383215	4	9.6	03/09/2012
ww.107754	2383212	4	6.7	03/05/2012
ww.123643	2383213	4	4.6	03/05/2012
ww.105738	2383214	4	8.2	03/09/2012
ww.127702	2383211	4	9.6	04/10/2012
ww.125726	2383216	4	11.6	03/12/2012
ww.129705	2383217	4	8.9	02/29/2012
ww.131734	2383218	4	10	02/29/2012
ww.103679	2383219	4	4.2	02/29/2012
ww.103675	2383220	4	5.4	01/26/2012
ww.131730	2383221	4	9	01/26/2012
ww.105741	2383222	4	5.2	01/26/2012
ww.105743	2383223	4	8.2	03/01/2012
ww.107755	2383224	4	6.8	03/01/2012

2012 - Manhole Evaluation and Rehabilitation Project

Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.131731	2383225	4	9.2	02/29/2012
ww.107753	2383226	4	8	03/05/2012
ww.105737	2383227	4	8.7	04/11/2012
ww.113768	2383228	4	6.1	03/01/2012
ww.103676	2383229	4	5.8	03/05/2012
ww.129695	2386898	4	2.5	03/28/2012
ww.125717	2386908	4	4.9	03/29/2012
ww.103667	2386904	4	7.3	03/22/2012
ww.103668	2386906	4	4.1	03/29/2012
ww.111724	2386889	4	5.5	03/21/2012
ww.111726	2386893	4	5.5	03/21/2012
ww.123639	2386884	4	9.9	03/21/2012
ww.103663	2386885	4	7.4	03/21/2012
ww.129692	2386872	4	11.1	03/20/2012
ww.103662	2386883	4	9.1	03/27/2012
ww.127690	2386855	4	11	03/06/2012
ww.111716	2386854	4	12.1	03/06/2012
ww.129684	2386853	4	10.1	03/22/2012
ww.103658	2386859	4	8.3	03/08/2012
ww.115743	2386886	4	7.8	03/22/2012
ww.123629	2386858	4	9.8	03/08/2012
ww.109767	2386902	5	6.7	03/20/2012
ww.115744	2386896	5	6.3	03/20/2012
ww.105732	2386897	4	6.2	03/20/2012
ww.109754	2386857	4	7.1	03/06/2012
ww.131712	2386856	4	10.5	03/15/2012
ww.103642	2386852	4	12.1	03/06/2012
ww.121627	2386921	5	7.5	06/12/2012
ww.119694	2386932	5	9.7	03/26/2012
ww.105749	2386929	5	11.6	05/17/2012
ww.117724	2386913	4	7.3	03/06/2012
ww.123646	2386917	4	4.8	03/28/2012
ww.111732	2386914	4	6.8	03/29/2012
ww.107756	2386916	4	4.1	03/29/2012
ww.119691	2386918	4	6.1	03/28/2012
ww.103683	2386926	4	5.2	04/19/2012
ww.105745	2386925	5	7.5	04/19/2012
ww.121626	2386924	4	7.6	04/19/2012
ww.115752	2386922	4	7	04/23/2012
ww.123647	2386923	4	7.1	03/28/2012
ww.121622	2386900	4	4.2	03/28/2012
ww.109768	2386901	4	3.6	03/28/2012
ww.113756	2386899	4	4.9	03/28/2012
ww.113757	2386909	4	6.2	03/29/2012
ww.129694	2386887	4	6.1	03/22/2012
ww.125718	2386907	4	4.7	04/19/2012
ww.103665	2386888	4	7	06/12/2012
ww.109765	2386873	4	9.1	03/21/2012
ww.109761	2386860	4	10.4	03/08/2012
ww.103666	2386894	4	6.7	03/20/2012
ww.129690	2386861	4	7.1	03/08/2012
ww.111725	2386895	4	5.9	03/20/2012
ww.127710	2386934	5	8.7	03/26/2012
ww.105750	2386933	5	8.1	03/26/2012
ww.125729	2386931	5	20	05/09/2012
ww.129708	2386930	5	20	05/10/2012
ww.111734	2386911	4	8	03/29/2012
ww.103680	2386915	4	6.2	03/29/2012
ww.117742	2386919	4	9	03/29/2012
ww.115749	2386912	5	11.8	04/19/2012
ww.127707	2386927	4	5	04/19/2012
ww.117731	2386862	4	8.8	03/12/2012
ww.115740	2386863	5	7.6	03/12/2012
ww.115748	2386864	4	8.5	03/12/2012
ww.109764	2386867	4	6.4	03/20/2012
ww.123634	2386866	5	6.1	03/15/2012
ww.121619	2386869	4	6.1	03/15/2012
ww.131723	2386865	4	8	03/21/2012
ww.113753	2386868	4	6.6	03/21/2012
ww.113771	2386937	4	4.8	04/19/2012
ww.131736	2386938	4	4.9	04/19/2012
ww.107749	2386870	4	6	03/15/2012
ww.109763	2386871	4	6.6	03/15/2012
ww.127698	2386876	4	9.8	03/14/2012
ww.115741	2386874	4	9.8	03/13/2012
ww.119689	2386877	4	10.2	03/14/2012
ww.119696	2386936	4	6.1	04/23/2012
ww.117743	2386919	4	9	04/19/2012
ww.113764	2386880	4	9.9	03/21/2012
ww.175864	2386935	5	6.3	04/23/2012
ww.103684	2386928	4	6.7	04/03/2012
ww.121627	2386921	5	7	04/23/2012
ww.113763	2386878	4	9.8	03/21/2012
ww.123636	2386875	4	8.3	03/14/2011
ww.115746	2386879	4	9	03/19/2012
ww.125716	2386882	4	12.7	03/13/2012
ww.109766	2386881	4	8.5	03/13/2012
ww.127700	2386920	5	11	03/26/2012
ww.117733	2386905	5	7.9	04/19/2012

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.117734	2986910	5	10.4	03/27/2012
ww.113769	2386890	4	4	03/27/2012
ww.125725	2386891	4	4.2	03/27/2012
ww.111733	2386892	4	8.4	04/19/2012
ww.103641	2406241	4	11	03/06/2012
ww.121614	2406242	4	10.4	03/06/2012
ww.103643	2406246	4	6.4	03/08/2012
ww.119670	2406248	4	8.3	03/08/2012
ww.109753	2406251	4	7.6	03/06/2012
ww.117743	2421462	4	9	04/19/2012
ww.103713	2406861	4	6.3	06/14/2012
ww.119693	2406866	4	5.2	06/14/2012
ww.131735	2406868	4	9.3	06/20/2012
ww.127706	2406869	4	8.4	06/13/2012
ww.131758	2406848	4	4.3	06/14/2012
ww.172264	2392884	4	7.8	09/05/2012
ww.119721	2406889	4	8	07/27/2012
ww.107781	2406883	5	6.2	07/09/2012
ww.129725	2406860	4	12.7	07/11/2012
ww.123656	2406862	4	9	05/30/2012
ww.125744	2406859	4	7.8	05/24/2012
ww.129726	2406856	4	9.7	04/30/2012
ww.127719	2406855	4	11.4	04/30/2012
ww.129731	2406854	4	10	04/30/2012
ww.123665	2406853	4	14.4	08/30/2012
ww.109788	2406858	4	8.2	06/13/2012
ww.107759	2406864	4	4.2	05/31/2012
ww.115757	2406863	4	8.2	06/04/2012
ww.115755	2406865	4	8.8	09/05/2012
ww.119692	2453448	4	9.3	07/23/2012
ww.129721	2453452	4	7	07/18/2012
ww.105763	2453480	4	7.9	08/14/2012
ww.112938	2453496	4	12	08/15/2012
ww.123657	2453460	4	11.7	08/29/2012
ww.117760	2453459	4	7.4	08/17/2012
ww.105761	2453455	4	8.3	07/27/2012
ww.115770	2453456	4	9.5	07/27/2012
ww.129723	2453457	4	5.8	07/10/2012
ww.117759	2453458	4	3.6	07/10/2012
ww.127725	2453471	4	15.3	08/14/2012
ww.109791	2453472	4	8.5	07/12/2012
ww.129729	2453479	4	10.2	07/10/2012
ww.103710	2453453	4	7.3	07/23/2012
ww.131750	2453461	4	9.8	08/29/2012
ww.103687	2453449	4	10.1	08/15/2012
ww.115756	2453450	4	10.2	08/15/2012
ww.115778	2406880	4	7.6	05/31/2012
ww.125751	2406878	4	10.7	05/31/2012
ww.113792	2406876	4	7.3	06/04/2012
ww.111755	2406882	4	9.4	05/24/2012
ww.105770	2406877	4	9.7	05/30/2012
ww.121652	2406881	4	8.2	05/31/2012
ww.125750	2453489	4	7.2	07/23/2012
ww.113788	2453468	4	9	07/12/2012
ww.107777	2453467	4	10.3	07/17/2012
ww.109776	2406870	4	10.4	06/13/2012
ww.107769	2453463	4	9.2	09/05/2012
ww.105771	2453490	4	7.4	07/19/2012
ww.103733	2453493	4	8.3	07/19/2012
ww.109797	2453487	4	9.7	07/25/2012
ww.117772	2453488	4	11.4	08/31/2012
ww.111751	2453469	4	10.5	07/12/2012
ww.123667	2453464	4	9.7	07/16/2012
ww.111758	2453495	4	8.8	07/19/2012
ww.119718	2476461	4	8.2	08/28/2012
ww.103734	2453492	4	10.9	07/17/2012
ww.105774	2453491	4	10.6	07/17/2012
ww.131761	2456852	4	16.2	08/29/2012
ww.115774	2406875	4	8.8	04/24/2012
ww.103727	2406874	4	7.4	04/24/2012
ww.103730	2453486	4	9	07/24/2012
ww.107779	2453485	4	9.8	07/24/2012
ww.131766	2453484	4	9.4	07/27/2012
ww.111753	2453473	4	8	07/25/2012
ww.109793	2453470	4	8.8	07/24/2012
ww.131764	2453475	4	3.6	07/16/2012
ww.129736	2453483	4	5.6	07/16/2012
ww.117765	2453454	4	8.5	07/10/2012
ww.107774	2453477	4	6	07/11/2012
ww.103716	2406849	4	10.2	06/26/2012
ww.125748	2406851	4	6.6	07/02/2012
ww.131759	2406850	4	10.6	07/02/2012
ww.127717	2406847	4	6.7	06/13/2012
ww.103706	2406846	4	5.4	07/09/2012
ww.113777	2406845	4	8.8	07/05/2012
ww.115768	2406844	4	6.7	07/05/2012
ww.125742	2406840	4	8.2	07/05/2012
ww.131748	2406841	4	7.9	06/28/2012
ww.103707	2406838	4	9.9	06/28/2012

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.131747	2406839	4	10.2	06/28/2012
ww.111744	2406843	4	6.5	07/03/2012
ww.109784	2406842	4	8.1	07/03/2012
ww.109789	2453478	4	10.6	07/11/2012
ww.109787	2453481	4	5.8	07/11/2012
ww.107768	2453451	4	8.9	07/18/2012
ww.131756	2453482	4	8.6	07/18/2012
ww.129735	2453474	4	4.5	08/28/2012
ww.127727	2406873	4	8	09/05/2012
ww.131765	2406872	4	8	09/05/2012
ww.115755	2406865	4	8.8	09/05/2012
ww.105769	2477251	4	9.9	09/14/2012
ww.109794	2477240	4	6.9	09/13/2012
ww.121646	2477234	4	8.8	09/14/2012
ww.113785	2477231	4	8.1	09/13/2012
ww.103720	2477228	5	9.5	09/13/2012
ww.117767	2477227	5	9.8	09/14/2012
ww.117771	2477244	4	6.8	09/11/2012
ww.127726	2477241	4	7.7	09/11/2012
ww.105767	2477256	4	8.1	10/08/2012
ww.113789	2477249	4	7.6	10/11/2012
ww.182347	2477257	4	9.9	10/11/2012
ww.103718	2477223	4	6.8	09/13/2012
ww.119713	2477239	4	4.6	10/15/2012
ww.117769	2477232	4	10.1	10/08/2012
ww.109798	2477261	4	10.3	09/11/2012
ww.103725	2477255	4	7.3	10/09/2012
ww.107778	2477258	4	7.3	10/11/2012
ww.103724	2477250	4	15.6	09/14/2012
ww.113786	2477236	4	13	10/11/2012
ww.109790	2477220	4	6.6	10/15/2012
ww.111788	2479504	4	11.4	09/07/2012
ww.131795	2479505	4	10.9	09/07/2012
ww.125790	2479506	4	6.2	09/14/2012
ww.107813	2479507	4	5	09/14/2012
ww.127765	2479508	4	7.4	09/18/2012
ww.111791	2479509	4	9.4	09/18/2012
ww.115807	2479510	4	9.3	09/18/2012
ww.103799	2479511	4	9.9	09/05/2012
ww.113820	2479512	4	8.5	09/06/2012
ww.129766	2479513	4	11.6	09/28/2012
ww.107816	2479514	4	10.9	09/26/2012
ww.103801	2479515	4	8.1	09/26/2012
ww.103800	2479516	4	9.5	09/06/2012
ww.113823	2479517	4	8.9	09/20/2012
ww.111793	2479518	4	8.2	09/26/2012
ww.127768	2479519	4	8.8	09/19/2012
ww.121689	2479520	4	9.3	09/20/2012
ww.103802	2479521	4	7.4	09/20/2012
ww.115811	2479524	4	7.2	09/20/2012
ww.131801	2479525	5	10.4	10/05/2012
ww.127770	2479526	4	7.5	09/27/2012
ww.123328	2479527	4	7.4	09/27/2012
ww.125371	2479528	4	6.9	09/28/2012
ww.168682	2479529	4	8.2	09/19/2012
ww.113824	2479530	4	4.8	09/19/2012
ww.107814	2479531	4	5.2	09/07/2012
ww.127769	2479533	4	6.3	10/01/2012
ww.103797	2479535	4	8.6	09/06/2012
ww.131794	2479536	4	8.9	09/19/2012
ww.111787	2479537	4	6	09/18/2012
ww.103795	2479538	4	5.8	09/14/2012
ww.113819	2479539	4	6.8	09/18/2012
ww.119756	2479540	4	9.7	09/07/2012
ww.121691	2479541	4	7.3	09/26/2012
ww.123791	2479542	4	7.9	09/20/2012
ww.113825	2479543	4	6.8	09/20/2012
ww.134804	2479545	4	9.2	09/27/2012
ww.109454	2479546	4	4.9	09/25/2012
ww.102988	2479548	4	4.9	09/25/2012
ww.111393	2479549	4	5.3	09/25/2012
ww.107416	2479550	4	6	09/25/2012
ww.119757	2479551	4	8.4	09/06/2012
ww.111399	2479552	5	18.9	10/04/2012
ww.103499	2432413	4	14	07/31/2012
ww.168623	2432414	5	11.4	07/23/2012
ww.195116	2432415	6	16.2	08/02/2012
ww.127599	2432416	5	22	08/01/2012
ww.103437	2432417	5	22	07/31/2012
ww.169300	2432418	5	16.3	07/30/2012
ww.103432	2432420	5	14.3	07/30/2012
ww.109670	2432421	6	13.8	07/27/2012
ww.131482	2432423	6	13.6	05/29/2012
ww.117513	2432424	6	13	05/30/2012
ww.131494	2432426	6	17	05/31/2012
ww.119452	2432429	6	13	05/30/2012
ww.123421	2432430	6	13	06/27/2012
ww.113558	2432431	6	15	06/15/2012
ww.123558	2432432	6	15	06/05/2012

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Manhole Evaluation and Rehabilitation Project				
CSU Location ID #	Work Order #	Diameter (feet)	Depth (feet)	Date Complete
ww.123557	2432433	5	13	06/12/2012
ww.131648	2432434	5	16.3	06/13/2012
ww.107672	2432435	5	15.2	06/11/2012
ww.113690	2432436	5	10.6	05/31/2012
ww.107639	2432438	5	12.6	07/27/2012
ww.105620	2432439	6	10	06/27/2012
ww.103427	2432440	4	7.5	06/27/2012
ww.123531	2432441	4	11	06/22/2012
ww.119582	2432443	5	12.7	06/22/2012
ww.111613	2432444	5	13	07/24/2012
ww.189992	2432445	6	11	08/06/2012
ww.186566	2432446	5	15.7	07/24/2012
ww.131613	2432447	6	14.7	07/25/2012
ww.131596	2432448	6	13.6	07/25/2012
ww.131595	2432449	6	8.6	07/25/2012
ww.109635	2432450	5	13.2	07/11/2012
ww.129577	2432451	5	12.5	07/11/2012
ww.119552	2432452	4	13.3	07/11/2012
ww.113651	2432454	4	14.2	07/11/2012
ww.113628	2432455	4	15.1	07/11/2012
ww.103347	2432456	5	15.6	07/10/2012
ww.113624	2432457	4	15	08/07/2012
ww.131561	2432458	4	13.5	08/07/2012
ww.117624	2432459	6	13.6	06/22/2012
ww.103319	2432461	5	17.9	07/12/2012
ww.111565	2432462	5	13.4	07/12/2012
ww.113588	2432463	5	26	07/23/2012
ww.123455	2432464	6	16	07/20/2012
ww.107550	2432465	5	15.2	07/16/2012
ww.117546	2432466	5	13.9	07/18/2012
ww.123457	2432468	5	16.5	07/16/2012
ww.117542	2432469	5	13.8	07/17/2012
ww.120606	2432470	6	13.4	08/07/2012
ww.108663	2432471	6	16	08/02/2012
ww.124548	2432472	4	12	08/06/2012
ww.124550	2432473	5	11	08/03/2012
ww.124549	2432474	5	9.7	08/03/2012
ww.112721	2432475	5	14.3	08/30/2012
ww.127507	2432476	5	18.3	08/30/2012
ww.117543	2432477	5	9.1	08/29/2012
ww.101331	2467695	5	21	08/09/2012
ww.101428	2467701	5	16.2	08/09/2012
ww.104591	2467707	6	16	08/08/2012
ww.116596	2467710	6	20.3	08/08/2012
ww.101318	2467711	5	21	08/23/2012
ww.116544	2467712	5	16.1	08/17/2012
ww.108558	2467713	5	17.1	08/17/2012
ww.110556	2467717	5	15.1	08/14/2012
ww.120467	2467720	5	20	08/23/2012
ww.126502	2467723	4	16	08/11/2012
ww.114595	2467724	5	19.5	08/11/2012
ww.114597	2467725	4	5.1	10/03/2012
ww.118523	2467727	5	22	08/10/2012
ww.104545	2467731	5	21	08/10/2012
ww.112572	2467735	5	21	08/10/2012
ww.101090	2467736	5	18.9	08/28/2012
ww.101109	2467742	5	13.3	08/24/2012
ww.106414	2467743	5	12.5	08/24/2012
ww.173826	2467744	5	19.3	08/27/2012
ww.122363	2467745	4	9.4	08/28/2012
ww.173828	2467746	5	14.1	08/27/2012
ww.186185	2467747	6	9.3	09/10/2012
ww.114715	2467748	5	15.1	09/20/2012
ww.191110	2467749	5	14.1	08/29/2012
ww.191154	2467750	4	16	09/10/2012
Total				425