Los Osos Wastewater Project

Project Construction Update
Month of July 2014

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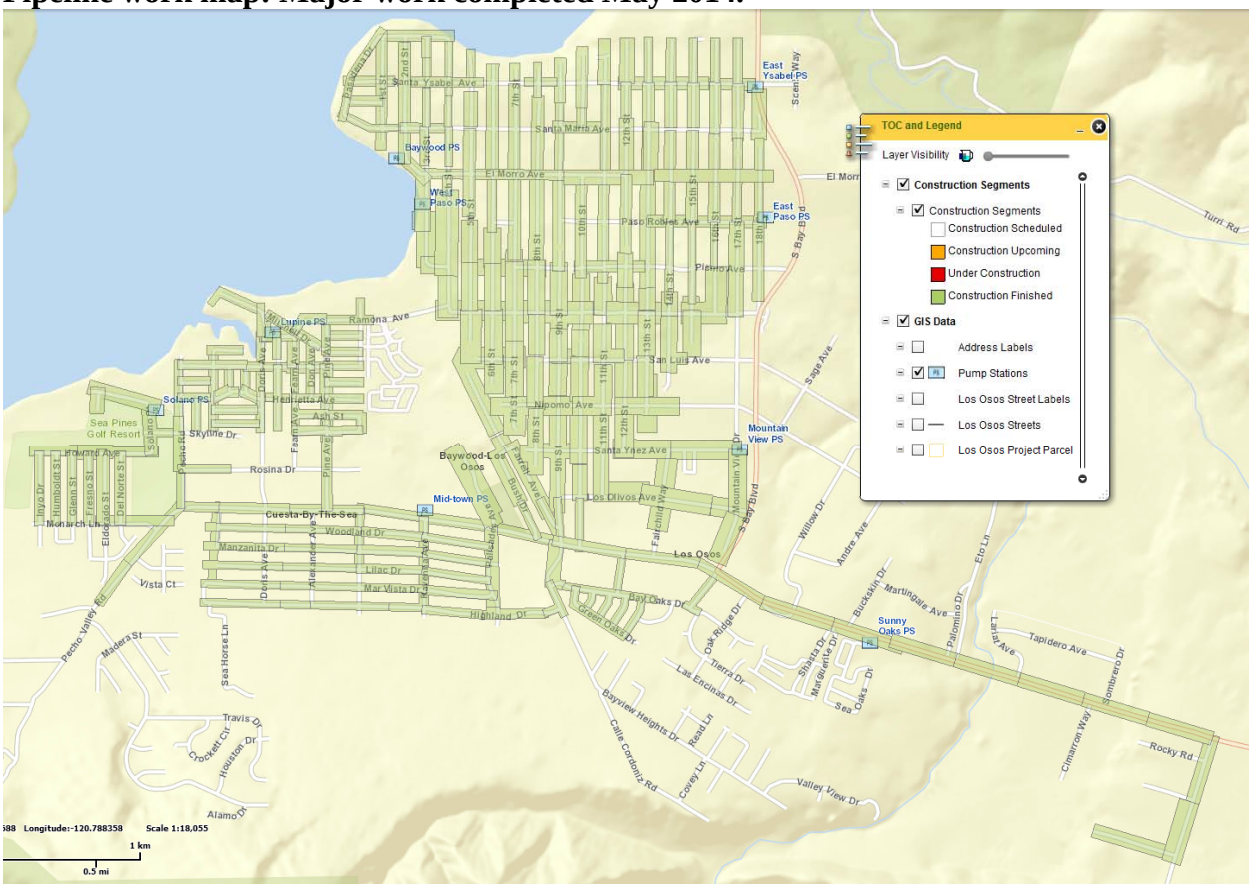
Los Osos Wastewater Project Manager

Update Summary: The collection system pipeline contracts have met the substantial completion deadlines. Ongoing clean-up work and installation of appurtenances will continue in limited areas throughout town through August. The Pump Stations and Water Recycling Facility contracts are ongoing. Structures at the Water Recycling Facility are taking shape, with vertical wall rebar and concrete forms in place.

Notable News/Milestones: Both pipeline contractors have completed their major work within the contract deadlines for substantial completion. At the Water Recycling Facility, the first vertical concrete walls of structures have been placed. A public tour of the construction site has been scheduled for September 25 at 5 pm.

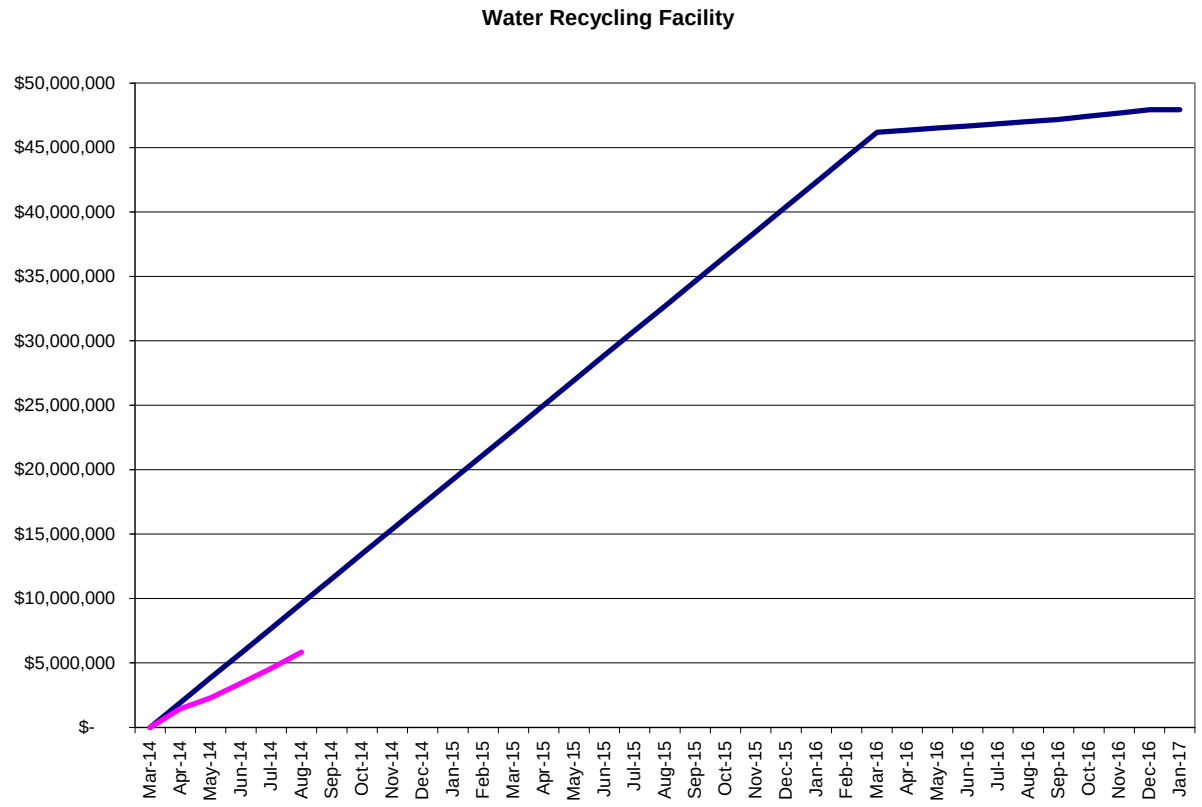
Pipeline work map: Major work completed May 2014.



Water Recycling Facility Contract
Contract No. 300448.08.02

Contract Summary			
Contractor	Auburn Constructors	Notice to Proceed Date	3/17/2014
Contract Value	$48,180,299	Original Contract Days	1,015
Approved Cost Changes	$0	Approved Extra Days	0
Adjusted Contract Value	$48,180,299	Planned Substantial Completion Date	10/27/2016
Approved Payment to Date	$5,832,372	% complete	13%

Summary of Work	**Last Month**	**Total To Date**
Cubic Yards of Concrete placed	386	2,115
Buildings completed	0	0
Major equipment installed	0	0



In the last month, Auburn worked on the following:

- Continue placing concrete floor of oxidation ditch.
- Constructing concrete floors of clarifiers.
- Constructing filter influent pump station structure.
- Installing yard piping throughout site.

In the current month, Auburn plans to proceed with the following work:

- Complete concrete floor of oxidation ditch and begin walls.
- Complete concrete floors of clarifiers and begin walls.
- Continue installing yard piping throughout site.

Contract Schedule Review: The contract allows two years to complete the testing phase of the WRF and be ready to accept wastewater flows for the start-up phase. After flows have increased sufficiently during the start-up phase to allow for commissioning and final testing, the contract substantial completion date is 10/27/16.

Pictures

Structure floors and rebar in early July.

Progress on oxidation ditch floor as of July 1.

Oxidation ditch floor with checkerboard concrete placement.

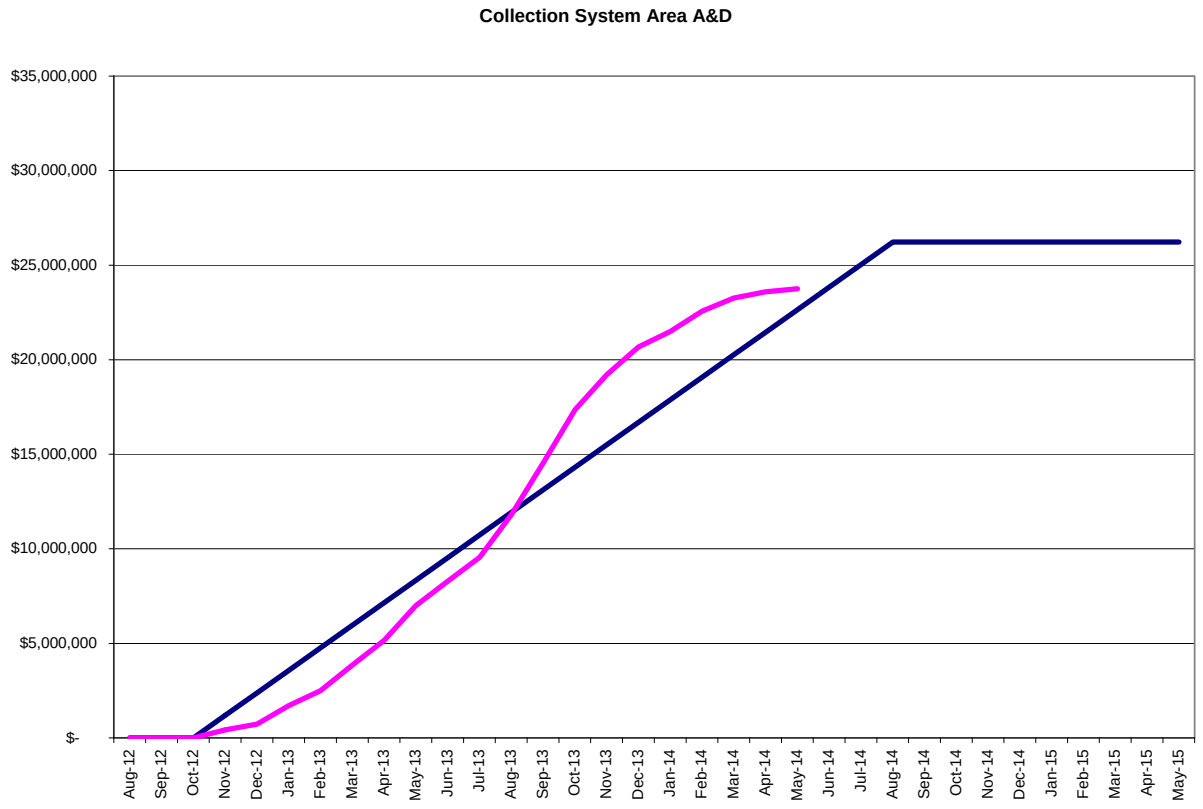
Multiple work activities in progress.

Progress on rebar, forms, and concrete as of July 31.

Collection System Area A&D Contract
Contract No. 300448.08.01.AD

Contract Summary			
Contractor	ARB Inc.	Notice to Proceed Date	8/13/2012
Contract Value	$26,223,855	Original Contract Days	694
Approved Cost Changes	$ 16,170	Approved Extra Days	0
Adjusted Contract Value	$26,240,025	Planned Substantial Completion Date	7/8/2014
Approved Payment to Date	$23,755,595	% complete	98%

Summary of Work	**Last Month**	**Total To Date**
Blocks/Segments completed	0	160
Total feet of pipe laid	0	131,300
Number of laterals installed	0	2,900



In the last month and continuing to final completion, ARB is working on the following:

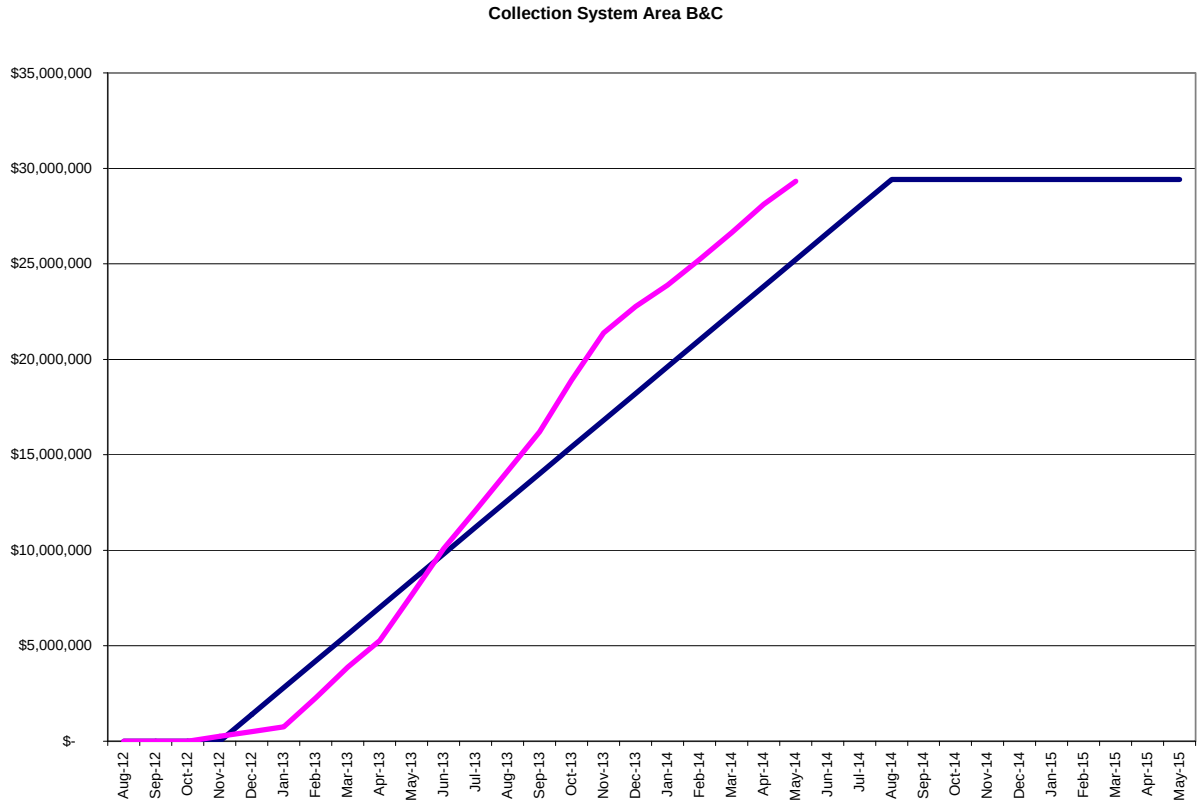
- Continuing final work items, such as manholes and valves, and appurtenances throughout Areas A & D.
- Clean up of work sites and staging area and demobilization.

Contract Schedule Review: ARB has met the substantial completion date of 7/8/2014.

Collection System Area B&C Contract
Contract No. 300448.08.01.BC

Contract Summary			
Contractor	W.A. Rasic	Notice to Proceed Date	9/4/2012
Contract Value	$29,425,000	Original Contract Days	665
Approved Cost Changes	$119,898	Approved Extra Days	30
Adjusted Contract Value	$29,544,898	Planned Substantial Completion Date	7/31/2014
Approved Payment to Date	$29,325,136	% complete	99%

Summary of Work	**Last Month**	**Total To Date**
Blocks/Segments completed	0	135
Total feet of pipe laid	0	123,170
Number of laterals installed	0	1,758



In the last month and continuing to final completion, W.A. Rasic is working on the following:

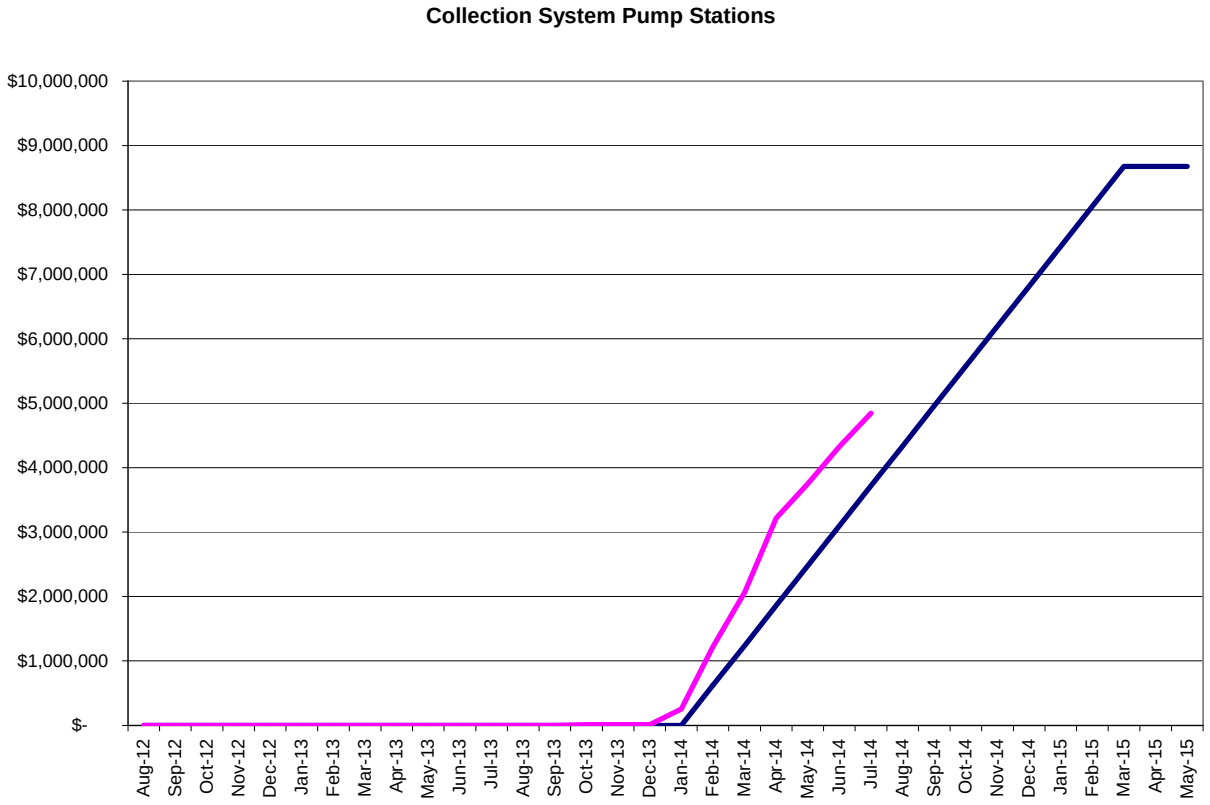
- Continuing final work items, such as manholes and valves, and appurtenances throughout Areas B & C, including Los Osos Valley Road.
- Clean up of work sites and staging area and demobilization.

Contract Schedule Review: W.A. Rasic has met the substantial completion date of 7/31/2014.

Collection System Pump Stations Contract
Contract No. 300448.08.01.PS

Contract Summary			
Contractor	Mtn. Cascade	Notice to Proceed Date	10/11/2012
Contract Value	$8,676,850	Original Contract Days	860
Approved Cost Changes	$59,176	Approved Extra Days	30
Adjusted Contract Value	$8,716,026	Planned Substantial Completion Date	3/20/2015
Approved Payment to Date	$4,848,476	% complete	58%

Summary of Work	**Last Month**	**Total To Date**
Major equipment installed	3	26
Generator buildings completed	0	0
Pump stations completed	0	0



In the last month, Mountain Cascade worked in the following items:

- Continue construction of multiple stand-by generator buildings.
- Continue preparing multiple pump stations for equipment installation.

In the current month, Mountain Cascade plans to proceed with the following work:

- Continuing construction of multiple stand-by generator buildings.
- Continuing preparations and installing equipment at pump stations.

Contract Schedule Review: The Pump Stations Contract allows for 30 months of construction in order to allow for final installations after the pipeline area contracts are completed. Mountain Cascade developed a construction schedule that used 2013 to complete the material submittal and procurement process. They mobilized for construction in January 2014 in order to meet the substantial completion date of 3/20/2015.

Pictures

Solano pump station and stand-by power building under construction.

Sunny Oaks pump station and stand-by power building under construction.

Pump station valve vault at West Paso pump station.

Lupine pump station stand-by generator inside building.

Collection System Engineering Services

Design Services Agreement Summary			
Engineer	CDM Smith		
Fee Estimate	$4,574,470	Agreement Approval Date	5/17/2011
Approved Additional Services	$1,577,938	Original Planned Design and Construction Phase	30 months
Adjusted Fee	$6,152,408	Actual Planned Design and Construction Phase	46 months
Billed to Date	$5,880,867	% complete	94%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	$6,891,632	Agreement Approval Date	12/13/2011
Approved Additional Services	$2,840,642	Original Planned Construction Phase	18 months
Adjusted Fee	$9,732,274	Actual Planned Construction Phase	30 months
Billed to Date	$7,701,462	% complete	85%

Services Summary	**Last Month**	**Total To Date**
Memos/Letters	17	780
RFI's	8	425
Submittals	27	547
Survey Requests	1	890
Lateral change requests	0	949
Approved change orders	1	12

Public Outreach Summary	**Totals**
Twitter Followers	101
Website Visitors	32,934
Website Unique Visitors	18,550
e-newletter signup	400
24/7 DigLine Calls	2,042
Phone Calls/Responses	4,367
Email Responses	1,348
Office Hour Sessions	162
House Calls	674
Other Public Contact	198
Note: The Dig Los Osos public outreach program was completed in May 2014. Public outreach data for Dig Los Osos is not longer being collected.	

Water Recycling Facility Engineering Services

Design Services Agreement Summary			
Engineer	Carollo Engineers		
Fee Estimate	$4,596,761	Agreement Approval Date	11/6/2012
Approved Additional Services	$151,400	Original Planned Design and Construction Phase	46 months
Adjusted Fee	$4,748,161	Actual Planned Design and Construction Phase	46 months
Billed to Date	$3,720,924	% complete	77%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	$3,657,254	Agreement Approval Date	6/18/2013
Approved Additional Services	$0	Original Planned Construction Phase	34 months
Adjusted Fee	$3,657,254	Actual Planned Construction Phase	34 months
Billed to Date	$615,855	% complete	16%

Water Conservation Program

Water Conservation Program Summary	**Last Month**	**Total To Date**
Toilets replaced	41	2,373
Showerheads replaced	13	1,964
Faucet aerators replaced	25	2,645
Clothes washers replaced	4	54
Value of rebates issued	$11,598	$671,217

Budget Issues Summary

The following is a summary of budget issues or risks related to the project that are being addressed by the project team. See the attached Budget Status Report for cost through the end of last month.

1. **Issue (no change from prior month): Collection System Area A&D Contract litigation**
   The Area A&D contractor, ARB Inc., filed litigation against the County on February 26, 2014 seeking payment for claimed damages of $15 million. The litigation was filed prior to the completion of construction or resolution of the claims process detailed in the contract.
   Approach: County staff and legal counsel are working to address the litigation and mitigate potential legal costs. Initial responses to the litigation have been filed with the court. This item is expected to be ongoing for many months as the contract is completed and the claims are resolved.

Project Cost to Date
Los Osos Wastewater Project
As Of 7/31/14

	Item Description	Budget	Costs to Date	Remaining Budget
1	County Financed Pre-Due Diligence costs (through 4/30/2011)	$ 8,137,210	$ 8,137,210	$ -
2	**Administration/Preliminary Engineering**			
3	Carollo Engineers	$ 174,562	$ 167,197	$ 7,365
4	Meyers Nave…	$ 26,590	$ 1,650	$ 24,940
5	County Staff/Other Direct Costs	$ 1,994,819	$ 1,681,408	$ 313,411
6	**Subtotal**	**$ 2,195,971**	**$ 1,850,254**	**$ 345,717**
7	Unallocated	$ -	$ -	$ -
8	**Total of Administration/Preliminary Engineering**	**$ 2,195,971**	**$ 1,850,254**	**$ 345,717**
9	**Environmental Permits/Mitigation**			
10	Coastal San Luis RCD	$ 30,361	$ 6,790	$ 23,571
11	Brownstein Hyatt Farber Schreck	$ 90,000	$ 69,417	$ 20,583
12	Far Western Anthropological	$ 921,606	$ 599,549	$ 322,057
13	Mid Town Restoration (R. Burke Construction, Inc)	$ 400,762	$ 400,762	$ -
14	Rick Engineering	$ 89,055	$ 89,055	$ -
15	SLO Green Build	$ 97,075	$ 69,199	$ 27,876
16	SLO Starts Plant Propogation	$ 54,871	$ 54,871	$ -
17	SWCA	$ 56,539	$ 56,539	$ -
18	SWCA	$ 333,549	$ 249,900	$ 83,649
19	APCD	$ 250,000	$ 157,007	$ 92,993
20	Water Conservation	$ 3,830,000	$ 1,044,906	$ 2,785,094
21	County Staff/Other Direct Costs	$ 1,400,000	$ 1,279,378	$ 120,622
22	**Subtotal**	**$ 7,553,817**	**$ 4,077,372**	**$ 3,476,445**
23	Unallocated	$ -	$ -	$ -
24	**Total of Environmental Permits/Mitigation**	**$ 7,553,817**	**$ 4,077,372**	**$ 3,476,445**
25	**Collection and Recycled Water - Design and Construction**			
26	Camp Dresser & McKee	$ 6,152,408	$ 5,905,472	$ 246,936
27	Cardno TBE	$ 20,659	$ 20,659	$ -
28	Collection System Contract - Areas A & D	$ 28,846,240	$ 25,074,997	$ 3,771,243
29	Collection System Contract - Areas B & C	$ 32,367,500	$ 31,085,141	$ 1,282,359
30	Collection System Contract - Pump Stations	$ 9,544,550	$ 4,555,884	$ 4,988,666
31	HDR Engineering	$ 9,732,274	$ 7,909,739	$ 1,822,535
32	LOCSD 2005 Installed Pipes	$ 772,029	$ 772,029	$ -
33	County Staff/Other Direct Costs	$ 2,600,000	$ 2,325,176	$ 274,824
34	**Subtotal**	**$ 90,035,660**	**$ 77,649,098**	**$ 12,386,562**
35	Unallocated	$ 0	$ -	$ 0
36	**Total of Collection and Recycled Water - Design and Construction**	**$ 90,035,660**	**$ 77,649,098**	**$ 12,386,562**
37	**Treatment Facility - Design and Construction**			
38	Carollo Engineers (Preliminary Design)	$ 785,244	$ 785,244	$ -
39	Carollo Engineers (Final Design)	$ 4,826,599	$ 3,833,524	$ 993,075
40	HDR Engineering	$ 4,022,979	$ 395,701	$ 3,627,278
41	WRF Contract	$ 50,601,814	$ 6,048,695	$ 44,553,119
42	County Staff/Other Direct Costs	$ 1,100,000	$ 687,439	$ 412,561
43	**Subtotal**	**$ 61,336,636**	**$ 11,750,603**	**$ 49,586,033**
44	Unallocated	$ -	$ -	$ -
45	**Total of Treatment Facility - Design and Construction**	**$ 61,336,636**	**$ 11,750,603**	**$ 49,586,033**
46	**Right of Way**			
47	Hamner Jewell & Associates	$ 65,634	$ 56,897	$ 8,737
48	Schenberger Taylor…	$ 66,363	$ 50,000	$ 16,363
49	Real Property Acquisition	$ 2,193,000	$ 2,247,945	$ (54,945)
50	Price Postal Parma	$ 130,000	$ 105,891	$ 24,109
51	County Staff/Other Direct Costs	$ 415,004	$ 413,220	$ 1,784
52	**Subtotal**	**$ 2,870,000**	**$ 2,873,953**	**$ (3,953)**
53	Unallocated	$ -	$ -	$ -
54	**Total of Right of Way**	**$ 2,870,000**	**$ 2,873,953**	**$ (3,953)**
55	**Subtotal of Project Costs**	**$ 172,129,294**	**$ 106,338,490**	**$ 65,790,804**
56	**Contingency**	$ 3,852,113	$ -	$ 3,852,113
57	**SRF Refinance**	$ 6,288,416	$ 6,288,416	$ -
58	**Interest/Finance Charges**	$ 1,110,000	$ 1,023,737	$ 86,263
59	**GRAND TOTAL**	**$ 183,379,823**	**$ 113,650,643**	**$ 69,729,180**