

**WINEVILLE BASIN PROOF OF CONCEPT PROJECT
PROJECT NO. EN13031.00
STATUS UPDATE: NOVEMBER 30, 2013**

The Wineville Basin Proof of Concept (POC) is an investigative project that consists of six cells designed to test and evaluate percolation rates at strategic locations throughout the basin. Each of the test cells will be 0.5 acres in size. The test cells will be excavated at different depths to allow the project to gather percolation data for soils above and below the previously identified clay layer. After completion of the testing, a final project report will be developed.

Schedule:

<u>Project Budget</u>	<u>Actual Cost to Date</u>
\$424,300	\$226,457

<u>Phase</u>	<u>Start</u>	<u>Finish</u>	<u>Status</u>	<u>Projected Cost</u>	<u>Actual Cost to Date</u>	<u>Note</u>
Design	10/2012	01/2013	In Progress	\$22,000	\$10,365	1
Weeding	09/2013	09/2013	Complete	\$28,000	\$28,000	2
Permits	03/2013	06/2013	Complete	\$2,200	\$2,200	
Environmental Assistance	03/2013	11/2013	In Progress	\$22,600	\$18,800	3
Survey	09/2013	11/2013	In Progress	\$21,000	\$11,767	4
Construction	09/2013	11/2013	In Progress	\$183,000	\$116,480	5
Extra Equipment			Complete	\$7,500	\$7,500	6
Ontario Pumping Costs	10/2013	11/2013	In Progress	\$36,000	\$15,000	7
CM and Testing Support	09/2013	11/2013	In Progress	\$36,000	\$16,345	
Testing Contingency				\$66,000		8
				<u>\$424,300</u>		

Notes:

- 1) Design complete, pending final project report and consultant support services during testing.
- 2) Weeding activities to allow work to commence prior to regulated bird nesting season. Initial project scope assumed basin would be clear of vegetation to avoid nesting season regulations. Additional weeding was necessary due to aggressive weed growth.
- 3) Additional costs incurred due to biological surveys requirements set forth in regulatory permits. Regulatory permit conditions received after initial budget established.
- 4) Additional site topographic survey requirements set forth in regulatory permits. Regulatory permit conditions received after initial budget established. Work activities include pre and post aerial surveys.
- 5) Low bid price received during bidding phase was \$183,000.
- 6) Procurement of 8 pressure transducers and data logger equipment for data monitoring and basin testing.
- 7) Estimated cost. Pending November usage costs.
- 8) Additional cost per month of testing. Includes pumping, labor, equipment, and additional

mobilization.

Project Update:

Construction was complete September 30, 2013 and testing commenced on October 1, 2013. Testing was conducted for two months and ended on November 25, 2013. The data is currently being processed and will be presented at a later date. The Contractor was scheduled onsite December 2, 2013 to restore site back to original condition. The restoration process is complete. A final aerial survey will be completed for ACOE permit compliance.

<u>Schedule Activity:</u>	<u>Finish Date</u>	<u>Notes</u>
- Testing	11/26/13	Complete
- Remove Pipe	11/27/13	Complete
- Survey Cells	12/02/13	Complete
- Restore Site	12/06/13	Complete
- Survey Site	12/25/13	Pending – Permit Requirement
- Submit ACOE Rpt	01/10/14	Permit Requirement
- Final Report	01/30/14	Not Started

There are no changes to project budget or schedule. The projected project cost is \$424,300, original project cost was amended October 24, 2013 to include an additional 30 days of testing. Refer to Table 1 for the project cost summary.

Project Photos:



**Berm removed and channel cleaned
(12/03/13)**



**Access roads removed and basin restored
to original (12/03/13)**