



Solid Waste Services Department

Final Report: July 3, 2007

Project: Water Conservation and Organics Utilization Project

The City of Tallahassee (City) received funding from the Sumter County - Florida Organics Research Center for Excellence (FORCE) for a research and demonstration project. The City has met and completed the objectives of the projects through the following features.

1. Demonstrating landscape design, construction and maintenance practices that minimize water consumption and enhance markets for organic mulches.
2. Incorporating the project as part of green building project that seeks to obtain Silver certification through the US Green Building Council's Leadership in Energy and Environmental Design (LEED®) program.
3. Conducting the project at a municipal building (the newly re-built Solid Waste Services' Administrative Office Building) that is being widely promoted as an example of green building.

The new landscape water conservation project that was installed at the SWS Administration Building at 2727 Municipal Way eliminates the need for irrigation. The project has met LEED Water Efficiency Credits 1.1 and 1.2 in order to obtain two points towards LEED certification. The requirements of these two points are provided for your review in Attachment A. And these points contribute to the City's 36 total points needed to obtain Silver Certification or at a minimum receive basic Certification with 26 points. The landscape plan incorporated the following environmental and water conservation practices that are currently being followed.

1. Pine needle and recycled concrete rock mulch were used in place of high maintenance turf.
2. Only those trees and shrubs in the way of proposed construction and/or construction access were removed to minimize removal of existing trees and shrubs.
3. Only indigenous plants were used in the planting plan.
4. Centipede sod was installed.
5. A permanent irrigation system was not installed.
6. Plantings occurred during the late winter months so plants were ready to begin their growth with spring rains.

The following is the timeline that was followed for the project installation:

- Contract awarded to Baker Landscape & Irrigation, Inc. (BLI) in the fall of 2006
- Allstate Construction, Contract Manager, oversaw the installation and BLI work activities.
- Installation was initiated in the fall of 2006 and winter of 2007.
- The landscape contractor was required to maintain the landscape from the moment the plants were delivered to the project.
- The contractor was required to maintain the plants during a 90-day establishment period.

- For purposes of the FORCE project, installation was completed in June 2006.

The City of Tallahassee is only requesting reimbursement in the amount of \$15,000 out of the total \$16,164.19 listed below and for the supporting documentation that is provided with the invoice sent with the final report. The following details the majority of the project expenditures:

Item/Description	Price
Landscape Architect, Design	\$ 3,281.19
Plants and Trees	\$ 4,350.00
Pine needle mulch, installed	\$ 1,500.00
Centipede sod	\$ 1,400.00
Recycled concrete rock mulch	\$ 200.00
Installation labor	\$ 4,300.00
Clean up and maintenance	\$ 600.00
Overhead and profit	\$ 533.00
Total	\$ 16,164.19

The City anticipates receiving evaluation of its future LEED submittal as well as obtaining the building's Certification later this year from the U.S. Green Building Council. Educational signs will be made detailing the features of the Green Building project and outdoor signs will feature the FORCE related project and give credit to Sumter County - FORCE for funding support.

Pages two (2) – four (4) provide installation photos taken on June 21st, 2007 and the installation photos previously submitted in the last quarter report are also included on pages five (5) – six (6). Page seven (7) provides two photos depicting the original building and landscape.



Renovated Building Entrance



Front of Building – Right Side View



Front of Building



Front of Building – left side view



Front of Building



Side of Building – corner left side view

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Project Related Photos – Quarter Report for Period End 3/31/07 (Installation and Planting)

Photo: Initial planting, existing shrubbery utilized and mature tree left.



Photo: Initial planting and pine needle mulch.



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Photo: Initial planting, native vegetation plantings and mature trees left.



Photo: No irrigation utilized and mature trees left.



Photo: River-rock mulch and mature tree left.



Original Building Entrance and Landscaping Photos

