Proposal
FNR 450 Class Project
Renovation of Boosinger Park
Pismo Beach

Submitted to:

FNR/ENVM College-based Fee Committee
Student Project Grant Account
Natural Resources Management Department
California Polytechnic State University
San Luis Obispo

Title of Proposed Project:	Renovation of Boosinger Park in Pismo Beach	
Submitted by:	Students of FNR 450 Community Forestry	
Submission Date:	February 14, 2007	
Amount Requested:	$500	
Matching (cash or in-kind)	$500 cash, Pismo Beach & donation by non-profit organization for building dog-runs	
Proposer Signature:		
Approval		
CBF Committee Chair:		**Date:**
NRM Department Head:		**Date:**

Executive Summary

The winter 2005 Forestry and Natural Resources Community Forestry class is currently working on a proposal to plant 6 to 9 trees of various species on the Cal Poly, San Luis Obispo, CA campus. The project site is located on the lawn directly northeast of the math building (Building 38). Trees will be planted with the intention of improving the aesthetics of the area by making the area more appealing and welcoming to Cal Poly students. Benches will be situated under the tree canopy's to provide students and campus visitors with a shaded area for relaxation, studying, or leisure. Mulch will be placed around the six trees and a French-drain irrigation system will be installed to provide the trees with proper irrigation. Labor will be provided by forestry students and staff. A commemorative plaque honoring students and other stakeholders involved with the project will be placed at the site. Plaques providing interesting facts about the tree species and their benefit to the environment will be created as well.

Introduction

Urban trees provide almost countless benefits to developed areas. In addition to providing beauty and shade they also create a friendlier environment that encourages human use. The lawn on the northeast side of Building 38 (Math building) on the Cal Poly campus would be a great candidate to receive some of these trees and their subsequent benefits. The area is utilized very little by students due to its low functional and aesthetic appeal. When compared to the area near Ag Circle or the west side of Building 38 this project area is much less appealing and therefore less frequently utilized. It is our intention to complete a project that undertakes the planting of six fast growing trees of varying species, to increase the function and use of this lawn area, by creating a shady environment suitable to Cal Poly student and faculty leisure use. Other foliage and picnic tables may be added to the area over time to improve its appeal to students and faculty as well.

It is also our intention to create a theme for this area focusing on one main goal: to educate the public of the utilization and benefits of urban trees. This project will not only improve the aesthetic value of the area but will also through the use of informative plaques provide an opportunity to educate and inform students, faculty and visitors alike of some of the benefits of urban trees. Some of these benefits include reduced energy costs involved in heating and cooling buildings, the removal of pollutants from the atmosphere, and of course the benefit that will really appeal to students; a shady area in which they may work, eat, or rest in between classes.

Objectives

1. Create shady environment suitable for use and relaxation
2. Add aesthetic appeal to campus
3. Educate passers by on the benefits of urban trees
4. Reduce solar heating on the east side of bldg 38
5. Show students ability to make positive impact on environment/campus
6. Create a relatively low maintenance area

Landscape Design

The working space consists of a 10 ft by 118 ft long patch of grassy ground east of building 38. The east side is bordered by a concrete sidewalk while the west side abutting bldg 38 is somewhat of a drainage area. Future Library expansion plans shown in the Cal Poly General Plan show the east side of building 38 being expanded out to within 10 feet of the sidewalk (verified by Robert Kittamera), thereby limiting our effective planting space. The area slopes slightly from the sidewalk (high) down towards building 38 (low), creating a slight depression. At the bottom of the slope within five feet of bldg 38 are two grated drains spaced relatively equally between the north and south ends of the area. Also of note is a sewer line approximately three feet below the surface, running directly beneath the planting strip.

Six trees of varying species will be planted in three figure eight arranged clumps. The tree clumps will be spaced rather evenly between the north and south ends of the planting strip. Automatic sprinkler irrigation for the grass is already installed in the area, and will provide sufficient moisture for the new trees. We will however install a new water drainage management system consisting of the installation of several “french drains”; one to two foot deep trenches filled with permeable material (mostly rock) then covered with soil from above, to increase water drainage and decrease saturation around the bases of the 6 to 9 trees. The grass in the figure 8 clumps will be removed before the trees are planted. After planting a wood mulch will be installed around the bases of all of the newly planted tress.

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Budget

6 - 9 trees 24’ x 24” planter stock @ $250.00 a piece……..……..$1500.00
Installation Costs (including signage reflecting FNR student role) ……..$500.00
Total……..... $2000.00

Request

We respectfully request a grant of $1000.00 to be combined with our already approved $1000.00 grant from the Facility Services Department in order to complete the above outlined project. We feel that this project will benefit everyone on campus who passes by or decides to stop and use the area. We thank you for your consideration.