



USDA-CSREES 2006 National Water Quality Conference

Basic Principles of Green Community Development: Land, Water, Energy, Community

This poster illustrates the content, process, and results of an experimental service-learning initiative produced as part of a newly developing partnership with the Lac Courte Oreilles Ojibwa Community College, the Community Design Action Research Group from the Department of Landscape Architecture at the University of Wisconsin-Madison, and through the Great Lakes Water Quality Program, the University of Wisconsin-Extension. This initiative engaged three students from the Tribal College, nine students from the UW-Madison, and three faculty members from the Department of Landscape Architecture in an intensive three-week survey of “Basic Principles of Green Community Development”. The class introduced best practices in community scale landscape design (grading, drainage, stormwater calculations); residential architectural design (“green” materials, orientation, heating/cooling calculations); and participatory process in community decision-making. In response to a request for technical assistance, the final week of this class was a “design charrette” held in the community center of the Red Cliff Ojibwa in Northern Wisconsin. The faculty and students worked closely with community leaders and residents of Red Cliff to produce preliminary design studies for a modest infill commercial/mixed use development, and a new site for the annual traditional community gathering (pow-wow). The results of this charrette included illustrations of the best practices in landscape and architectural design covered in class. The design studies and illustrations are being incorporated into continuing fundraising, community participation, and community education activities. The “results” section of this poster will include an overview of the ongoing partnership between the 1890 and 1994 Land Grant Institutions, including a “tech transfer” jobs training initiative scheduled to break ground for four new “green” affordable housing developments in four Native American communities over the next four years.

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