

Central Coast Low Impact Development Center, Status Report for February 2009
Dr. Inglis, Director

Background

The Central Coast Low Impact Development Center (CCLID Center) began operating in August, 2008 with a primary purpose of providing technical Low Impact Development (LID) services to municipalities and other stakeholders with respect to stormwater management.

A 2008-2009 CCLID Center work plan (Attachment A) has been developed with a range of services that reflect the watershed goals of the region and the need to integrate LID into existing comprehensive water resource regulatory and protection approaches, infrastructure, and growth management plans. In implementing the CCLID Center work plan, the following strategies are being utilized:

- Focus on priority services (e.g., hydromodification management)
- Leverage partners where possible (e.g., development of the rain garden templates can be enhanced by partnering with local universities, nurseries, and residents)
- Optimize project benefits by taking the opportunity to create institutional capacity within the municipal structure. For example, as part of a parking lot retrofit project, help a city to create or modify codes and ordinances to require/encourage LID parking lots.

Attachment B provides a summary of the types of services and associated level of effort that the CCLID Center will provide to municipalities. This summary is intended to convey the broad categories of service the CCLID Center will provide (i.e., Building Awareness, Providing the Tools, and Supporting Projects).

What has been accomplished by the CCLID Center to date?

Table 1 highlights services provided to Region 3 from August to December, 2008. Efforts were focused on creating awareness of the CCLID Center and responding to widespread municipal requests for key technical support.

Table 1. CCLID Center Accomplishments (August-December, 2008)	
Item	Status
1. Establishment of the CCLID Center office.	Done
2. Work plan development and prioritization.	Done
3. Outreach to several key stakeholders (e.g., municipalities, private developers, non-government organizations, and academia).	Initial complete. On-going.
4. Technical expertise to Regional Board and municipalities related to hydromodification management.	On-going
5. Project identification, feasibility, design considerations, and cost-benefit analysis services for municipalities applying for Prop. 84 grant funding. Municipalities receiving assistance include the Cities of Santa Barbara and Santa Maria, Santa Barbara County, and Santa Cruz Resource Conservation District.	Preliminary project review and site assessments complete. Concept proposals due 2 nd Qtr., 2009.
6. Creation of a California-specific link within the Low Impact Development Center's website. Information and resources serving Region 3 (and others) will be placed at this site.	Done
7. Development of Central Coast specific vegetation guidelines for typical LID designs (i.e., rain gardens, swales, and curb extensions).	Phase 1 guidelines complete.

8. Development of a Frequently Asked Questions (FAQ) related to LID concepts and implementation.	Initial FAQ complete. On-going.
9. Development of LID training modules.	Complete. Refinement and tailoring on-going.

What will be the focus of the CCLID Center's efforts for 1st Qtr., 2009?

The CCLID Center will continue to implement the 2008-2009 work plan including continuation of efforts outlined in Table 1 on Attachment A. This includes the identification and establishment of key partnerships with developers, municipalities, professional organizations, consultants, non-profit organizations, and state and federal agencies. Additional efforts in the 1st Qtr., 2009 will include:

1. Implementation of LID training.
2. Lead the development of a Region-wide hydromodification/LID Prop. 84 grant concept proposal, with multi-municipality participation.
3. Development of performance measures for the CCLID Center to better understand the impact of services provided to Region 3. These measures will be used to adjust work plan elements and priorities.

Central Coast Low Impact Development Center Annual Work Plan for August 2008 through July 2009

Overview

The purpose of the CCLID Center is to support the vision of healthy watersheds through the implementation of LID design principles, hydro-modification controls, and sustainable development throughout the Central Coast Region. The 2008-2009 work plan includes two primary tasks:

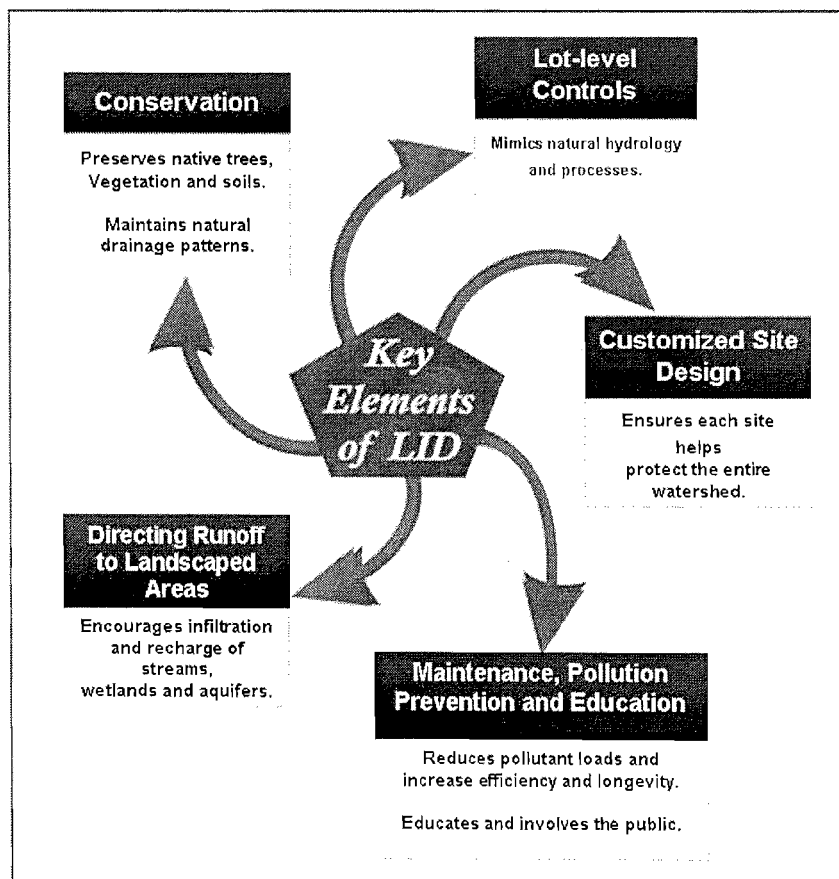
- 1) Providing hands-on technical LID planning, design, and alternative analysis support, and
- 2) Helping municipalities build and maintain their institutional capacity to implement LID over the long term.

This work plan is flexible and may be revised periodically during the year as agreed to by the CCLID Center and the Water Board Executive Officer or his designee.

Background

The Water Board established a Low Impact Development Endowment Fund (LID fund) with the Bay Foundation of Morro Bay (under separate agreement) to fund the services described here. The LID fund is to be used to provide support for the CCLID Center, a branch office of the Low Impact Development Center of Beltsville, Maryland. The Water Board Executive Officer and the CCLID Center may also contract with other organizations or consultants to provide LID services under this agreement.

The key elements of Low Impact Development can be described as:



These key LID elements can be aligned to services provided by the CCLID Center. This work plan focuses on the technical aspects that will assist in the planning, design, implementation, and long-term function of LID projects and sustainable development on multiple scales. This includes site specific project designs, and large scale, long-term community level planning, including infrastructure, to protect healthy watersheds.

Understanding that there exists a spectrum of LID expertise and understanding in the region, the CCLID Center will work in parallel to educate and engage LID stakeholders. The CCLID Center will strive to actively engage key stakeholders in projects and programs that will facilitate their understanding and implementation of LID principles and technologies. Additional LID services provided by the CCLID Center can include agency coordination, training, reference tools, grant writing assistance, and updates to local ordinances and other regulations.

The definition of performance measures for each work plan item will be crucial in selecting work plan actions, evaluating and communicating success, and managing program expectations. For example, implementing a program for residents to utilize cisterns may have a significant benefit in terms of educating people about green infrastructure and helping to understand technical implementation needs. However, the costs to administer such a program may be more than the actual stormwater management benefit (i.e., volume of runoff managed). Clear definition of CCLID Center task items and performance expectations will increase the probability of successfully implementing LID principles and technologies in the Central Coast Region. Performance measures will be developed iteratively with the work plan.

**Central Coast Low Impact Development Center
2008-2009 Work Plan**

Task	Description	Deliverable	Estimated Hours	Schedule
1. Identify & Prioritize LID Program Needs	Assess LID needs for municipalities, private developers. Focus on Phase I & II SW NPDES permit requirements.	Needs Assessment to be discussed with Board staff and Executive Officer. Provides foundation for CCLID Center Work Plan.	na	Nov., 2008
2. Develop Work Plan and Performance Measures	Provide hands-on technical LID planning, design, and alternative analysis support, and help municipalities build and maintain their institutional capacity to implement LID over the long term.	2008-2009 CCLID Center Work Plan for the Board.	na	3 rd -4 th Qtr., 2008
3. LID "Building Awareness"	The focus is to reach out to key stakeholders (e.g., developers, local planning agencies, and elected officials) to introduce and provide needed education related to the concept and principles of LID.	<ul style="list-style-type: none"> • LID training & workshops (8-10) <ul style="list-style-type: none"> -LID principles and use -LID Site and BMP design -Local regulatory elements required to implement LID • On-line support <ul style="list-style-type: none"> -BMP Calculator -examples of west coast LID -Vendor/supplier lists -Model ordinances and codes -triple-bottom line cost-benefit information (e.g., LID construction, O&M costs) 	280 hrs.	Begin 1 st Qtr., 2009
4. LID "Providing the Tools"		<ul style="list-style-type: none"> • Hydromodification Criteria, methodology development TAC creation, methodology development, and interim recommendations. Technical review support (e.g., interim proposals) 	280 hrs.	On-going

		<ul style="list-style-type: none"> • Client Assistance Memos Parking Lot and Rain Garden CAM • LID Project Review process Selected sites; tbd • Regional/watershed planning (LID integration into Basin Plan amendments) • Government matrix for LID implementation (i.e., ROW, parking lot, parcel). Selected support on ordinance development. • Site assessment and design training modules- project specific • California LID plant list and application 	<p>120 hrs.</p> <p>80 hrs.</p> <p>60 hrs.</p> <p>120 hrs.</p> <p>100 hrs.</p> <p>125 hrs.</p>	<p>3rd Qtr., 2009</p> <p>On-going</p> <p>On-going</p> <p>Begin in 2nd, Qtr., 2009</p> <p>On-going</p> <p>Phase 1 complete 1st Qtr, 2009</p>
5. LID Project Specific Technical Support	Work with key LID stakeholders to plan, design, construct, and/or monitor LID technologies.	Selected tech. & planning assistance <ul style="list-style-type: none"> • Project (CIP) design, construction • Site performance (monitoring) • LID pilots • Financial incentive programs • Prop. 84 and other grant technical assistance. 	tbd	On-going

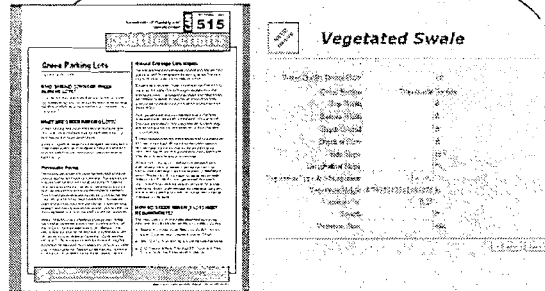
CCLID Center Scope of Technical Services *



**Municipal Guide
to Low Impact
Development**

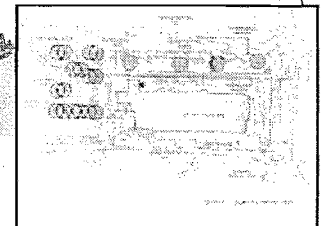
**Building
Awareness**

- LID 101 Presentations
- Web site support
- Pilot Projects
- Key Project Partnerships
- Training



Providing the Tools

- Local regulatory updates
 - development requirements
 - standards/specifications
 - ordinances
- Assessing LID for hydromodification objectives
- Client Assistance Memos (CAMs)
- SWMP support
- Regional/watershed planning



**Supporting
Projects**

- BMP and Site Level:
 - planning
 - design
 - O&M needs
 - triple-bottom line c-b analysis

Focus of effort: 20%

50%

30%

*Possible roles of CCLID Center:
Conduct, Review, Guide