OFFICE OF CHE LITE OF OAKLAND OAKLAND

AGENDA REPORT

2011 OCT 20 PH 4: 1

TO:

Office of the City Administrator

ATTN: FROM: Deanna J. Santana Public Works Agency

DATE:

October 25, 2011

RE:

Informational Report On Options For Low Impact Development Street Design,

Including Permeable Paving And Other Stormwater Runoff Mitigation

Strategies In The City's Long-Term Paving And Streetscape Plans, To Include Analysis Of Regulatory Guidelines, Costs And Benefits, And Potential Funding Opportunities; And Receive A Presentation From The California Environmental

Protection Agency, Regional Water Quality Control Board

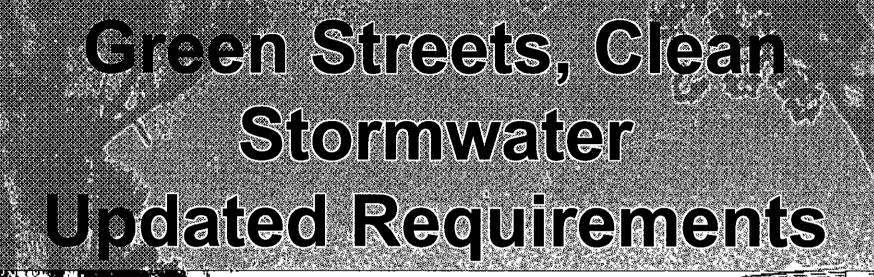
Attached is a hard copy of a PowerPoint presentation from the California Environmental Protection Agency, Regional Water Quality Control Board. Please attach this to the October 25, 2011, Public Works City Council Committee Informational Report On Options For Low Impact Development Street Design, Including Permeable Paving And Other Stormwater Runoff Mitigation.

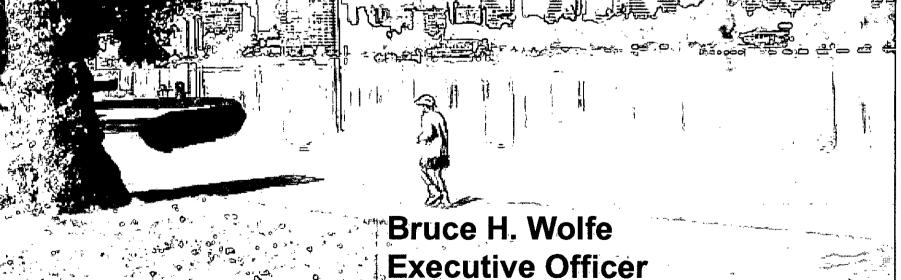
Respectfully submitted,

Vitaly B. Troyan, P.E., Director

Public Works Agency

Item: _ **Public Works Committee** October 25, 2011





S.F. Bay Regional Water Board



Overview

- Urban runoff threat to creeks, Lake Merritt, and SF Bay
- 2009 Municipal Regional Stormwater Permit
 - Oakland a permittee since 1991
- December 1, 2011 "Low Impact Development" broadly required

Low Impact Development (LID)

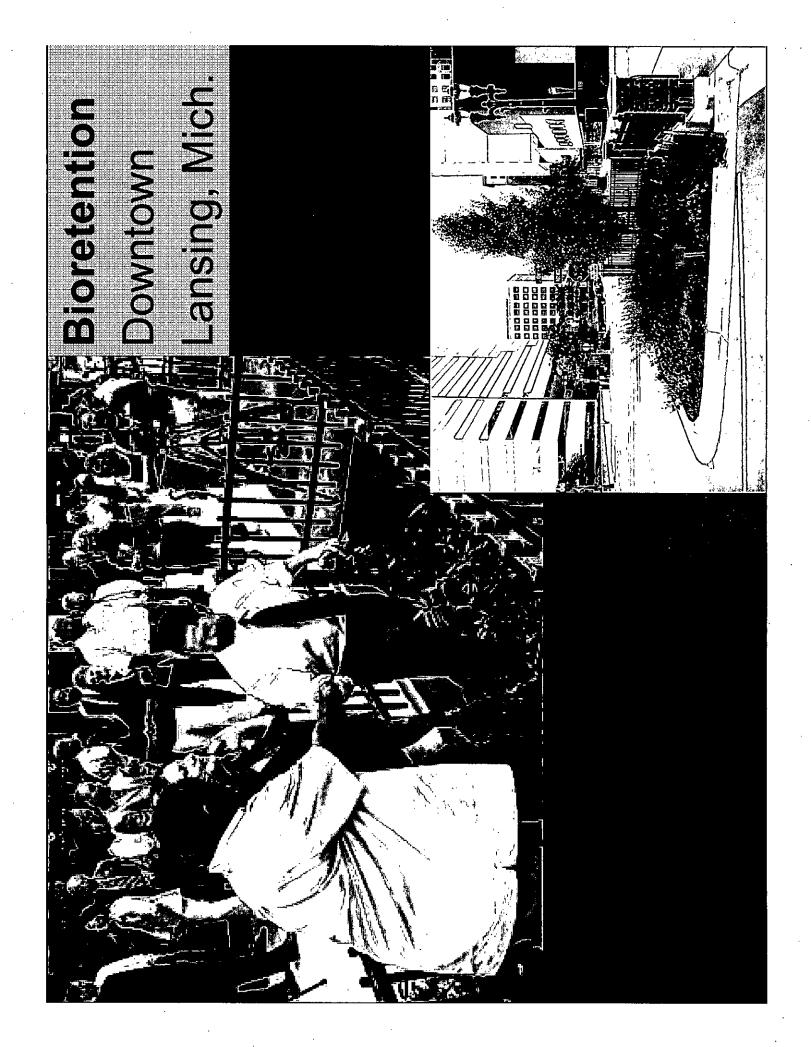
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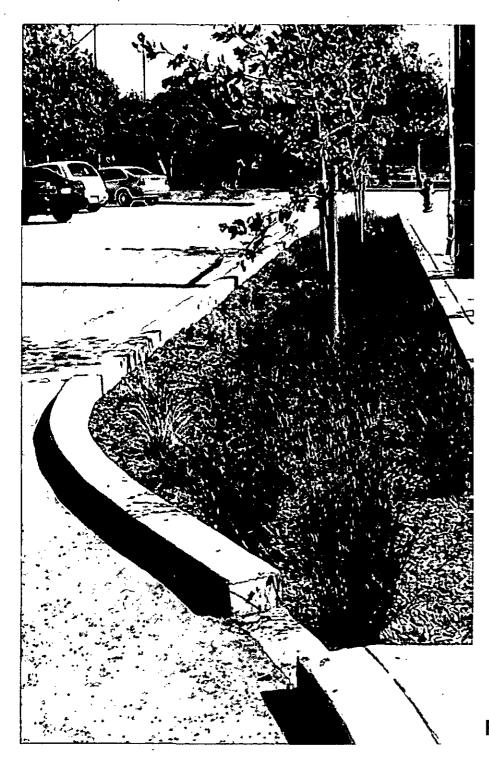
- Stormwater runoff: Slow it, spread it sink it
- Soil and plants clean it inofi
- Achieve further benefits
 - Pedestrian safety/traffic calming
 - **-Urban greening**
 - Reduce local ilooding
 - Increase property values & neighborhood
 connection/identity
 - Protect Oak and's creeks & the Bay

LID Permit Requirements ("C.3")



- "Regulated Projects" –
 LID required
- Green Streets projects & guides
 - San Mateo County
 - El Cerrito
 - San Francisco





Low-cost option: Curb extensions

Third Ave. curb ext. San Bruno

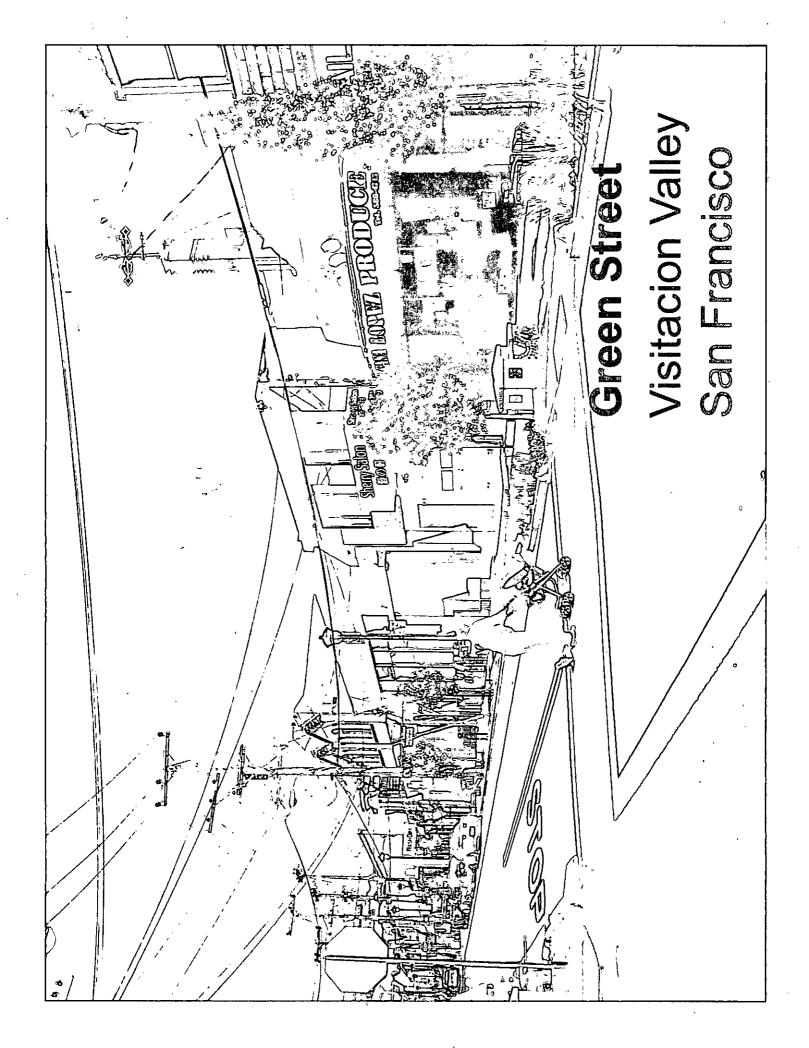
Photo Credit: Lisa Owens-Viani

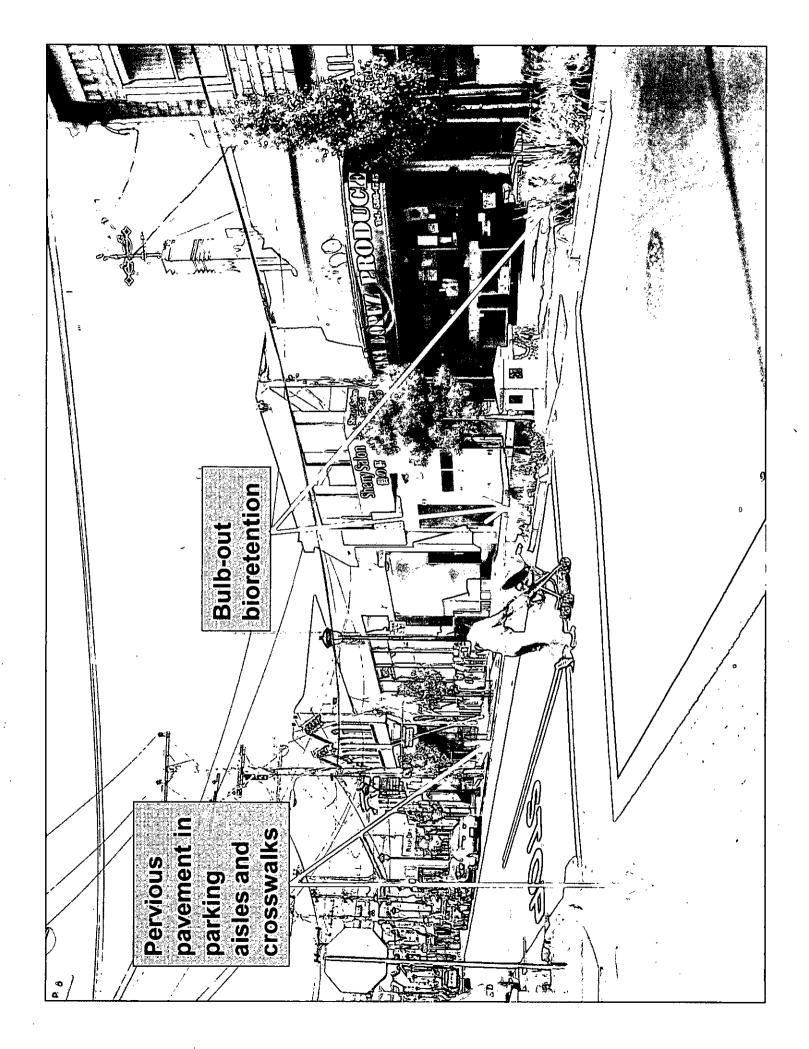


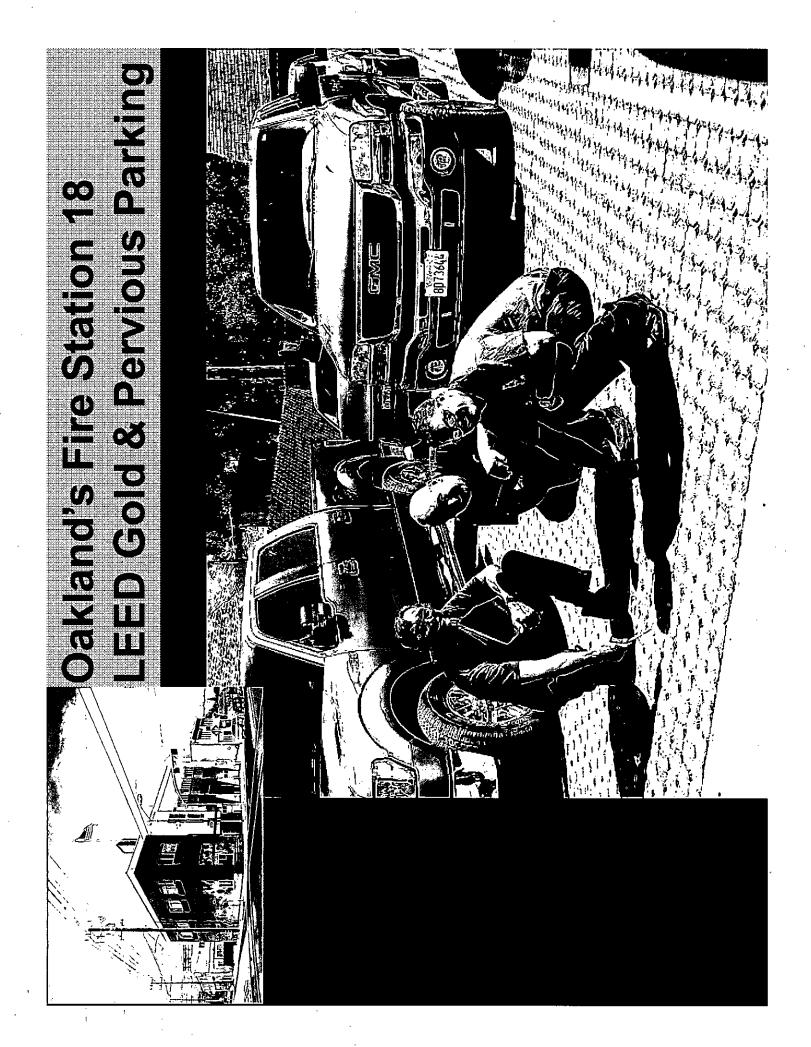
Parkway strip bioretention

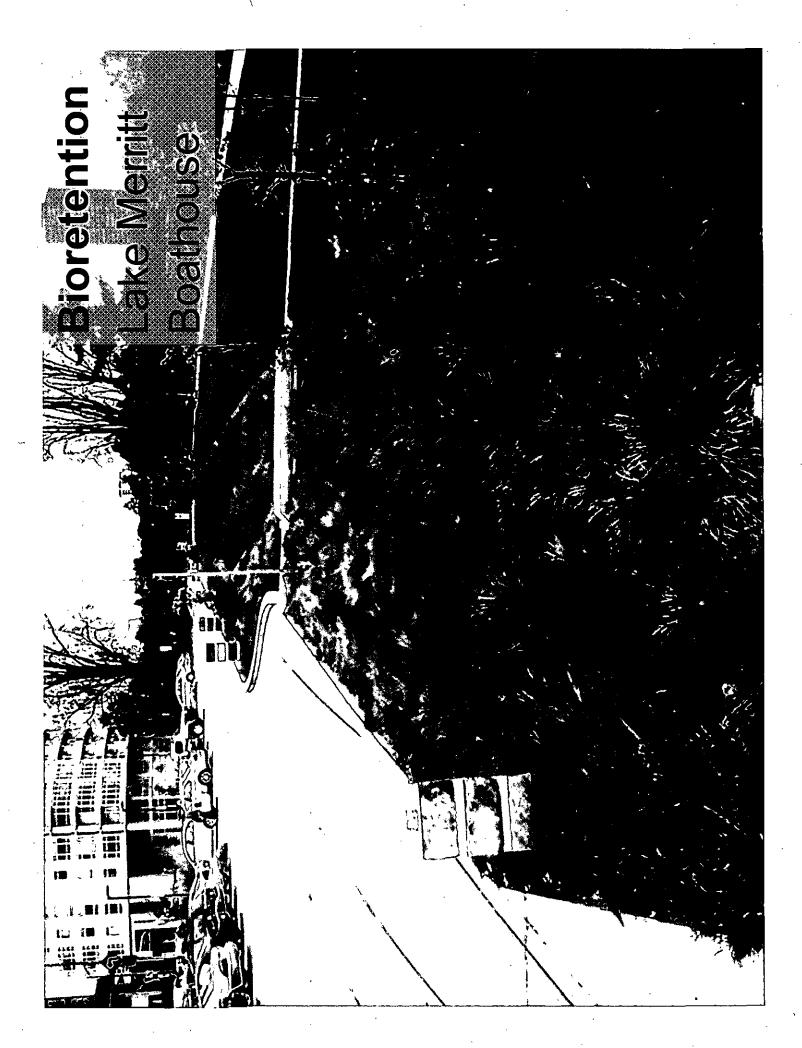
San Pablo Ave. El Cerrito

Photo Credit: Lisa Owens-VianL

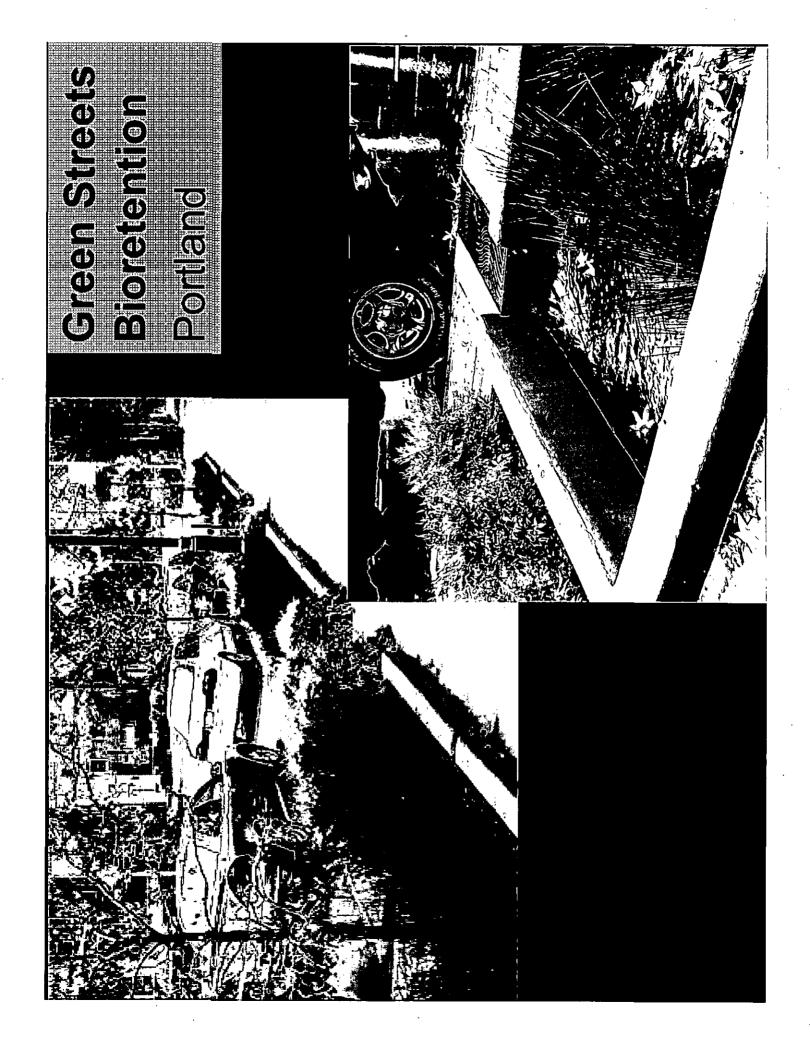


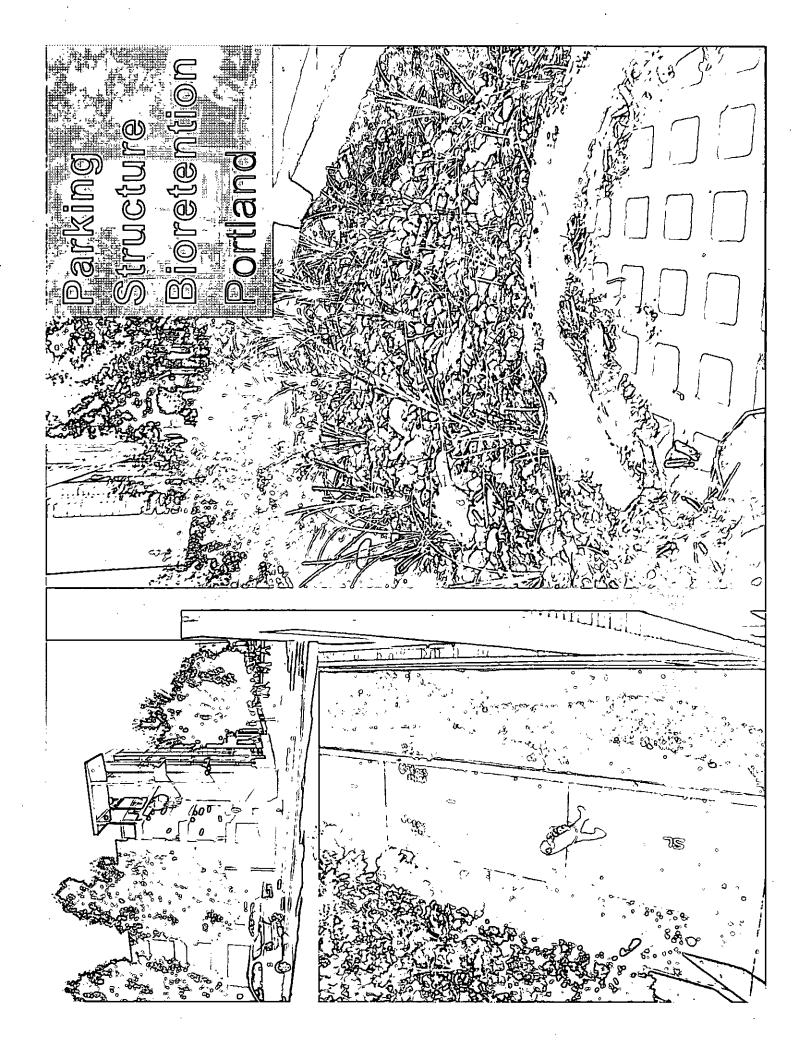












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