Smuggler’s
Gulch
LID
Demonstration
and
Retrofit Project

Public Hearing

City Council
June 6, 2013
Pilot Project:  
Existing Fully Developed Neighborhood & Apply Retrofit Techniques to:  
- Reduce Flooding  
- Manage Erosion, and  
- Improve Water Quality

Project methods:  
- Rain Gardens  
- Retrofit Existing Detention Ponds  
- Gravel Galleries
COUNCIL DIRECTION:
CREATE A CITIZENS ADVISORY COMMITTEE

- “To direct staff to continue with the project design and the public outreach process and in particular to be sure to outreach to homeowners throughout the basin and to proceed with design and construction of the 44th Avenue rain garden and the detention pond projects.” And

- “To amend the motion to form a citizens committee from each of the upper, middle and lower areas of the gulch to meet with staff two to three times before coming back to Council.”
CITIZENS ADVISORY COMMITTEE

Committee Members & Staff:

• **City staff:** Jim Niggemyer, Shawna Gossett & Patricia Love

• **Tetra Tech:** Consultant & Facilitator

• **Smuggler’s Gulch Citizens Advisory Committee:** 9 members representing each of the 3 sub-basins:
  – George Bowden, David Davenport, Tim Ellis, Andy Higgins, Eric Hovland, Mary Bess Johnson, Sylvia Kawabata, Christine Schmaltz and Bruce Simpson

*All those that applied were on the Committee*
WHAT WE LEARNED

• Committee has significantly more issues within the basin that goes beyond the scope of the Low Impact Development project

• Variety of issues with no single solution

• Strong concern about the types of LID projects: infiltration and proven effectiveness of gravel galleries
Smuggler’s Gulch: 4 Sub-Basins, each with different issues
MOVING FORWARD

• Committee created a map of potential LID project sites

• Held an open house showing Committee sites & added additional sites

• Ranked sites
For simplification purposes on this map, the term “Bioretention” means one of several options: bioretention swale, bioretention swale with check dams, and biofiltration swales. The type and size of the facility at each location will be dictated by the site constraints.
CITIZENS ADVISORY COMMITTEE
LID SITE RANKING

Top 5 project sites - each receiving 6 votes
LID Type: rain gardens / unlined bio-retention facilities

• 44th Avenue West, north and south of 88th Street SW
• 45th Place West
• North side of 88th Street SW between 53rd Avenue W and SR 525
• 49th Avenue West, north of 90th Place SW
• 56th Avenue, just south of 92nd Street
Map of Potential LID Sites & Stormwater Management Ideas - West End

Recommendations Through Priority Voting on the Citizen’s Advisory Committee (May 9, 2013)

- Viable
- Possible Future Project
- Not Viable

Note: For simplification purposes on this map, the term “Biot treatment” means one of several options: biotreatment swale, biotreatment swale with check dams, and biotreatment swales. The type and size of the facility at each location will be dictated by the site constraints.
COMMITEE RECOMMENDATION

• **Maintain the Committee through final site selection & design**

• **10 recommendations for moving forward**

• **Delay the 44th Avenue Bio-Retention project**
CAC RECOMMENDATION

- Maintain the CAC to finalize site selection and design

- Remove the 44th Avenue Bio-Retention project from the LID project.

- Use the Committee’s top listed project locations to evaluate which of the projects are most viable, fundable and constructible. From this evaluation process the projects will be moved forward into design and construction.
CAC RECOMMENDATION CONTINUED

• Create a Smuggler’s Gulch Sub-Basin Management Plan

• Consult with a geotechnical engineer to evaluate, at the community level of the Smuggler’s Gulch basin, existing data and reports to help determine and implement future LID solutions in the basin.

• Establish an ongoing Citywide local stormwater improvement grant incentive fund to support property owners and/or neighborhoods to make LID or flow control improvements
• Conduct selected water quality sampling

• Update the City’s Surface Water Comprehensive Plan

• Hold a series of land use law and City government workshops

• Look for and apply for grants that could be used to enhance and/or return fish to the basin.
City Council Motion

• Maintain the Smuggler’s Gulch Citizen Advisory Committee and have staff continue to engage with the Committee through grant project(s) implementation of the fundable priority projects.

• Direct staff to prepare a Smuggler’s Gulch Sub-Basin Plan using the Smuggler’s Gulch Committee as an advisory Committee.

• Direct staff to prepare and return to Council with an implementation plan, schedule, and cost estimates to implement the remaining Committee recommendations as listed in the attached agenda report.