

# Green Infrastructure Planning Update

**Green Infrastructure Plans are to be submitted to the  
Regional Water Quality Control Board by September 30, 2019**

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City/County Engineering Advisory Committee  
January 17, 2019



# Topics

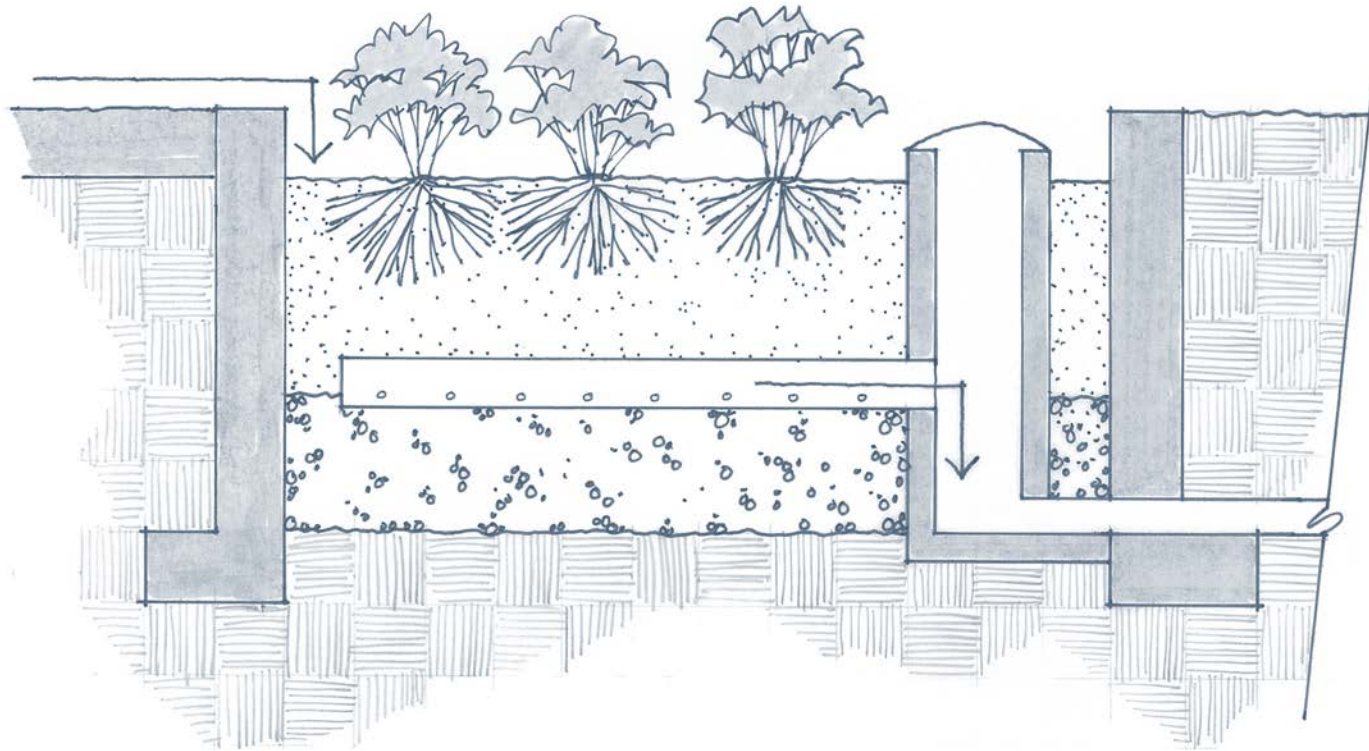
- What is Green Infrastructure?
- Mandate for Green Infrastructure Plans
- Green Infrastructure Project Lists

# What is Green Infrastructure?

- Retrofit existing street drainage with Low Impact Development drainage design
- Also encompasses LID for development and redevelopment



# Bioretention



# Green Infrastructure Plans

- A Plan for each municipal Permittee
- Frameworks/Work Plans were adopted by June 2017
- Plans are due September 30, 2019
- Municipal Regional Stormwater Permit reissuance (MRP 3.0) negotiations are underway

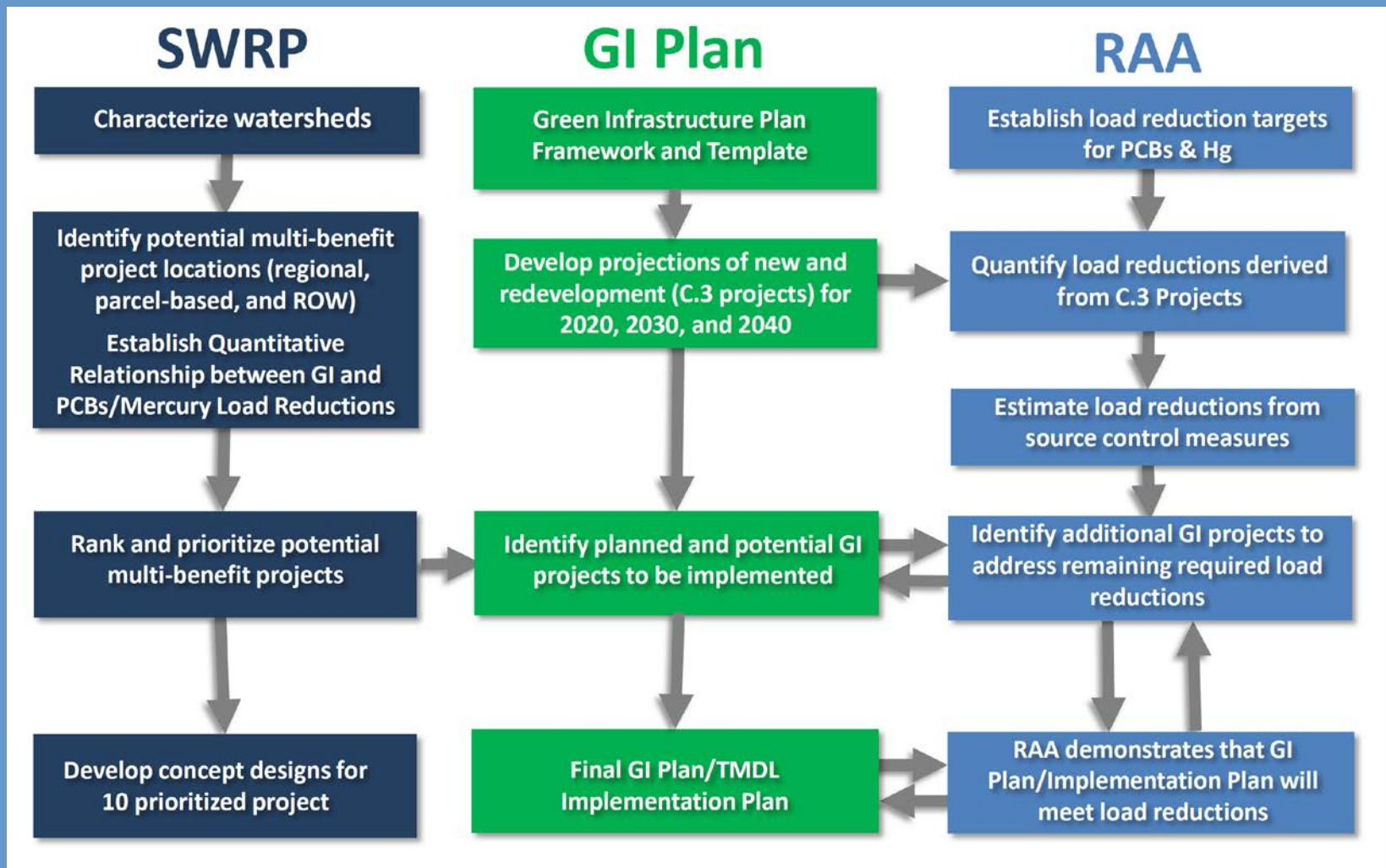
# Objectives and Emphasis

- Policies show management is “on board”
- Policies and procedures ensure “no missed opportunities”
- One or more Green Infrastructure projects are constructed, under construction, or on fast track
- Additional projects with designs or conceptual designs, and funding is being sought
- Scenario that attains targets for
  - converting impervious surface
  - reducing PCB loadings

# GI Plan Elements

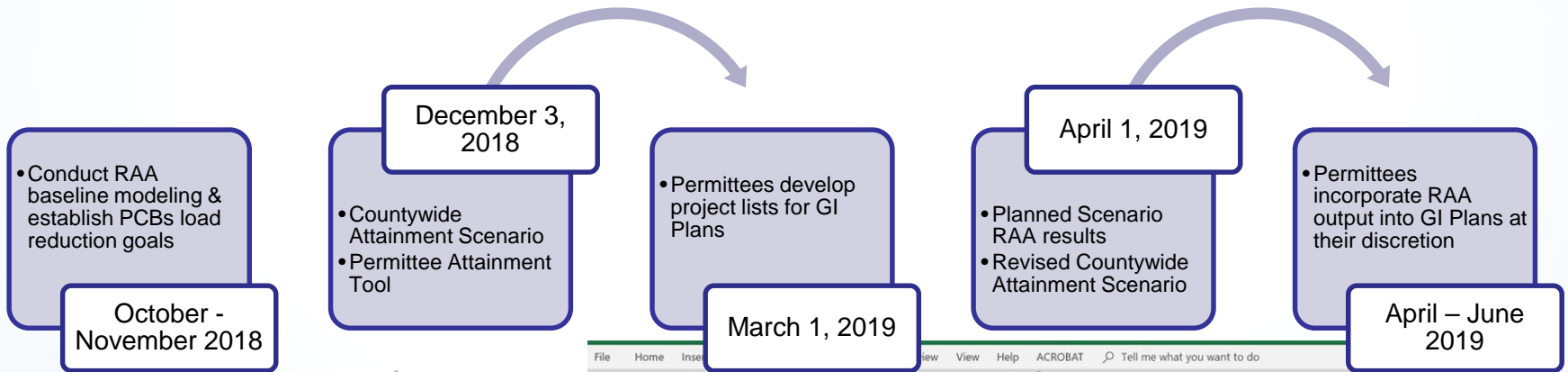
- Projections/Targets for impervious surface converted to GI:
  - Development/Redevelopment
  - Public Infrastructure (retrofits)
- Associated reductions in PCBs & Mercury
- Target dates: 2020, 2030, and 2040
- Project lists and maps
- Tracking of completed projects

# Related Countywide Planning





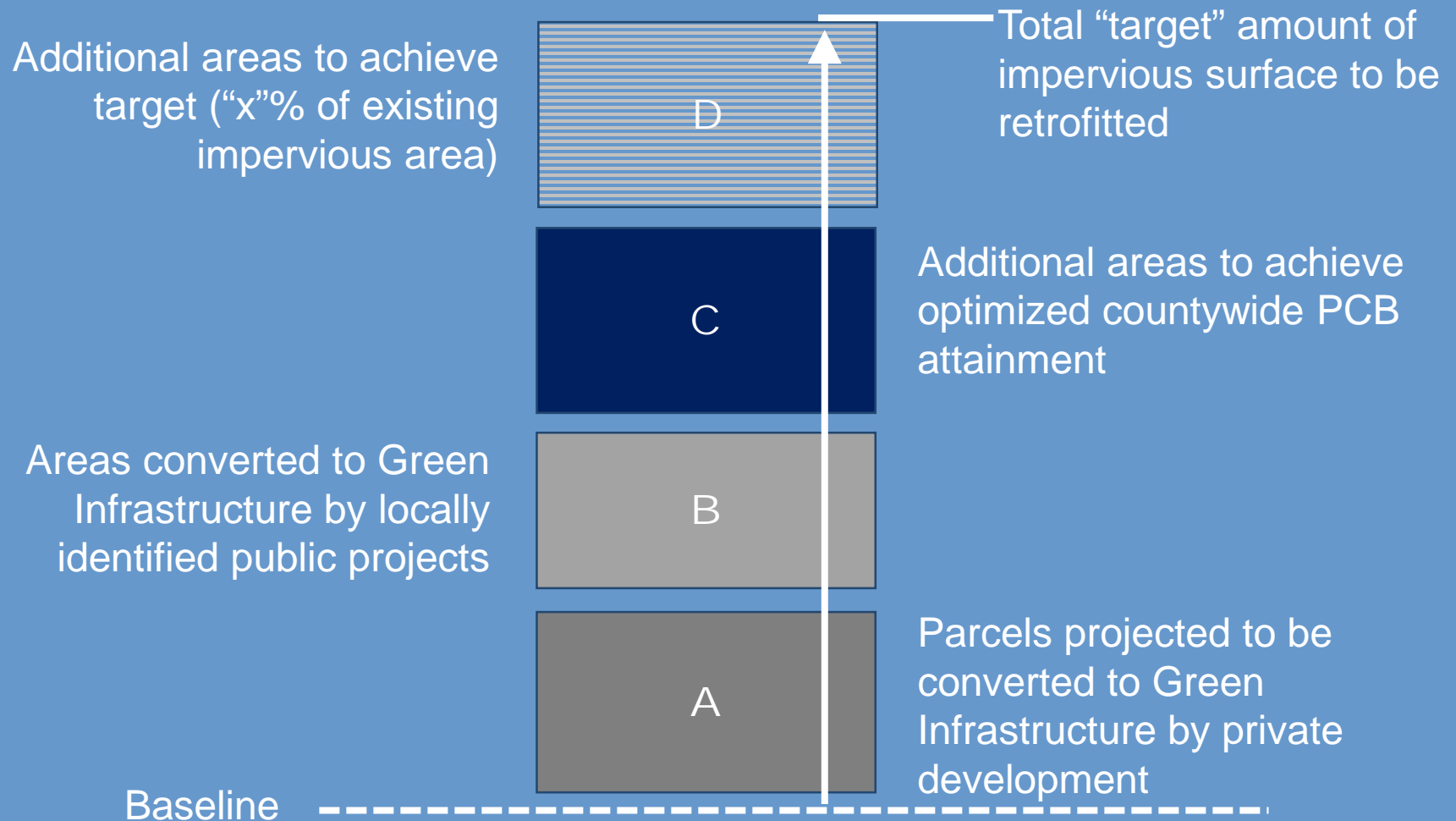
# Project List Workflow and Schedule



Excel spreadsheet showing project list for El Cerrito. The spreadsheet includes a table of projects with columns for Number, SWRP ID, Project Type, Jurisdiction, Planning Unit, and Project Rank. It also features two line graphs: 'Cumulative PCBs Load Reduced (grams) per Acre Treated' and 'Cumulative PCBs Load Reduced (grams) per Project Treated'.

Number	SWRP ID	Project Type	Jurisdiction	Planning Unit	Project Rank	At
1	ROW_14649	ROW Opportunity	El Cerrito	West	1	
2	ROW_10275	ROW Opportunity	El Cerrito	West	1	
3	ROW_20541	ROW Opportunity	El Cerrito	West	1	
4	Parcel_135455	Parcel-Based Opportunity	El Cerrito	West	1	
5	ROW_9947	ROW Opportunity	El Cerrito	West	1	
6	ROW_15559	ROW Opportunity	El Cerrito	West	1	
7	Parcel_135936	Parcel-Based Opportunity	El Cerrito	West	1	
8	Parcel_134601	Parcel-Based Opportunity	El Cerrito	West	1	
9	ROW_9953	ROW Opportunity	El Cerrito	West	1	
10	Parcel_135877	Regional Opportunity	El Cerrito	West	1	
11	ROW_10956	ROW Opportunity	El Cerrito	West	1	
12	ROW_10927	ROW Opportunity	El Cerrito	West	1	
13	ROW_6693	ROW Opportunity	El Cerrito	West	1	
14	ROW_10957	ROW Opportunity	El Cerrito	West	1	
15	Parcel_134284	Parcel-Based Opportunity	El Cerrito	West	1	
16	planned_119	Planned Unlined Bioretention	El Cerrito	West	1	
17	planned_114	Planned Unlined Bioretention	El Cerrito	West	1	
18	planned_115	Planned Unlined Bioretention	El Cerrito	West	1	
19	planned_116	Planned Unlined Bioretention	El Cerrito	West	1	
20	planned_118	Planned Unlined Bioretention	El Cerrito	West	1	
21	planned_98	Planned Unlined Bioretention	El Cerrito	West	1	
22	planned_117	Planned Unlined Bioretention	El Cerrito	West	1	
23	planned_106	Planned Unlined Bioretention	El Cerrito	West	2	
24	planned_103	Planned Unlined Bioretention	El Cerrito	West	2	
25	planned_129	Planned Unlined Bioretention	El Cerrito	West	2	
26	planned_96	Planned Flood Control Basin	El Cerrito	West	2	
27	planned_113	Planned Unlined Bioretention	El Cerrito	West	2	
28	planned_112	Planned Unlined Bioretention	El Cerrito	West	2	
29	planned_89	Planned Unlined Bioretention	El Cerrito	West	2	
30	planned_194	Planned Creek/Marsh Restoration	El Cerrito	West	2	
31	planned_108	Planned Creek/Marsh Restoration	El Cerrito	West	3	
32	planned_107	Planned Unlined Bioretention	El Cerrito	West	3	
33	planned_91	Planned Unlined Bioretention	El Cerrito	West	3	
34	planned_123	Planned Unlined Bioretention	El Cerrito	West	3	
35	planned_90	Planned Unlined Bioretention	El Cerrito	West	4	
36	planned_120	Planned Unlined Bioretention	El Cerrito	West	4	
37	planned_111	Planned Unlined Bioretention	El Cerrito	West	4	
38	planned_104	Planned Unlined Bioretention	El Cerrito	West	4	

# Compiling a GI Project List



# More GI Plan Elements

- Updates to Related Planning Documents
- Policies and Ordinances
- Design Guidelines – Streetscapes
- Standard Specifications and Details
- Guidance for Sizing GI Facilities
- Funding Strategies
- Outreach and Education

# Specifications and Details

- See the “Example Policies to Support Green Infrastructure Implementation”
  - Use the *Stormwater C.3 Guidebook*
  - Adapt specs and details from SFPUC, Central Coast Low Impact Development Institute, others
  - Participate in a countywide interagency process
    - Share plans and specs for projects
    - Identify issues encountered and work on solutions

# Suggested Priority Tasks

1. Schedule, assignments, and resources to complete your Plan by September 30
2. Review list of local planning documents to be revised
3. Review the “Example Policies to Support GI Implementation” and decide which will be adopted
4. Decide how to structure your project list

Additional slides for reference

# Green Infrastructure in Frontage

