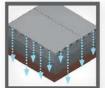
CITY OF PALO ALTO **GREEN STORMWATER** INFRASTRUCTURE

GSI Plan (85% Version)



Permeable Pavement Stormwater Planter







Bioretention Area

Tree Well Filter

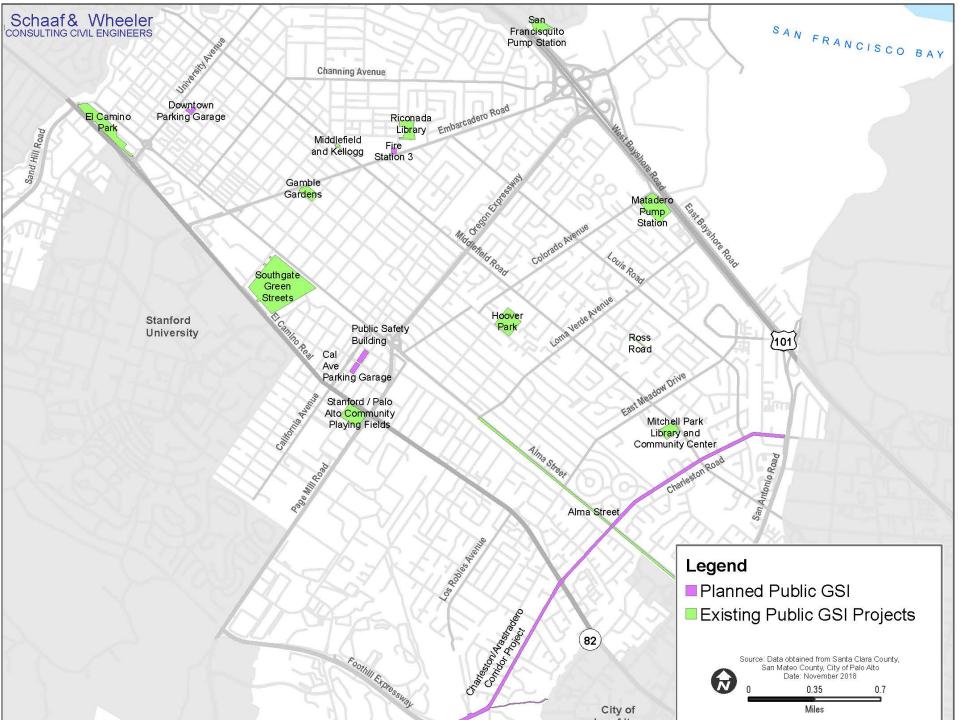
Presentation Overview

- 85% Plan Overview
- Obtain Feedback
- Next Steps



1.0	INTRODUCTION
1.1	Purpose of Green Stormwater Infrastructure Plan
1.2	Green (Stormwater) Infrastructure
	Introduction
	Types of Facilities
	EXAMPLES OF EXISTING GSI FACILITIES WITHIN THE CITY OF PALO ALTO
1.3	REGULATORY CONTEXT
1.3.1	Federal and State Regulations and Initiatives
122	MUNICIDAL DECIGNIAL STODAMATED DEDIAIT

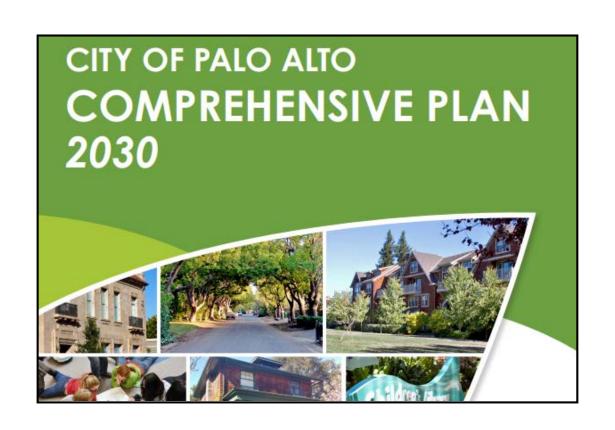




2.0	CITY OF PALO ALTO DESCRIPTION AND BACKGROUND
2.1	Background and Land Use
2.2	Surface Water Bodies and Natural Resources
2.3	GROUNDWATER RESOURCES
2.4	Transportation

POPULATION AND GROWTH FORECASTS

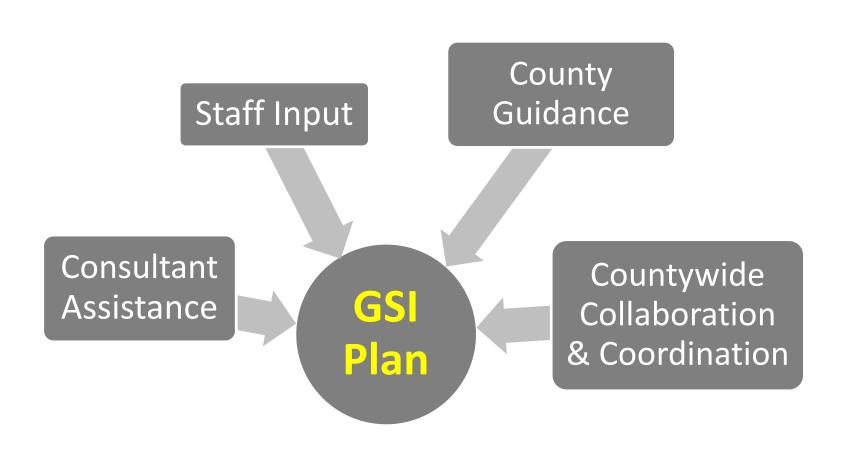
2.5



3.0 PROJECT MANAGEMENT AND COORDINATION 3.1 APPROACH 3.2 PROJECT OVERSIGHT 3.3 PUBLIC PARTICIPATION AND TIMELINE

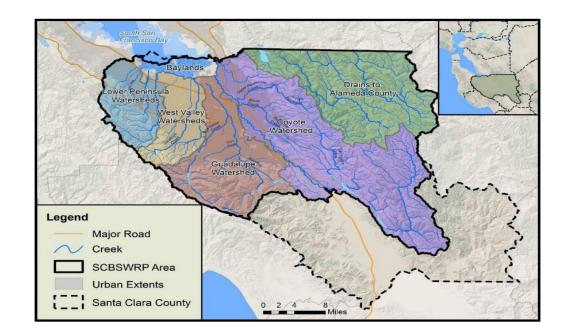
SCVURPPP GUIDANCE AND INTER-AGENCY COORDINATION ...

3.4



4.2 – Step One: SWRP Prioritization

- SB 985: required for eligibility to receive grant funds (post- Jan. 2014)
- Countywide list of prioritized parcels and streets (modeling results)



4.3 – Step Two: City Prioritization

Updated SWRP list (parcels)

Developed prioritization criteria

Identified categories for each criterion, and allocated values

Assigned priorities based on totaled values

4.3 –Criteria Example

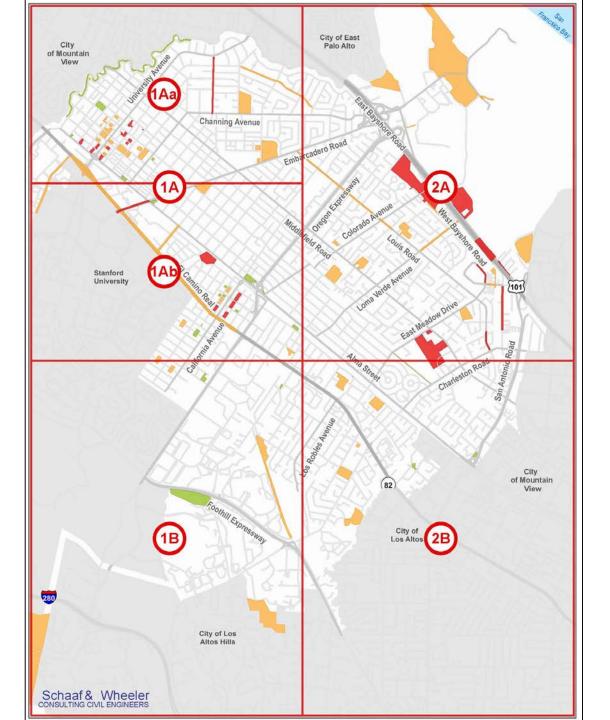
Prioritization Criteria	Criteria Category	Value
Drainet Status	Planned in FY18 Adopted Capital Budget	3
Project Status	Not planned in FY18 Adopted Capital Budget	1
Proximity to Existing Bikeways	Not adjacent to either a bikeway or SR2S	3
or Safe Routes to School	Adjacent to either a bikeway or SR2S	1
Parcel Area	<u>></u> 0.25 acres	3
	< 0.25 acres	1

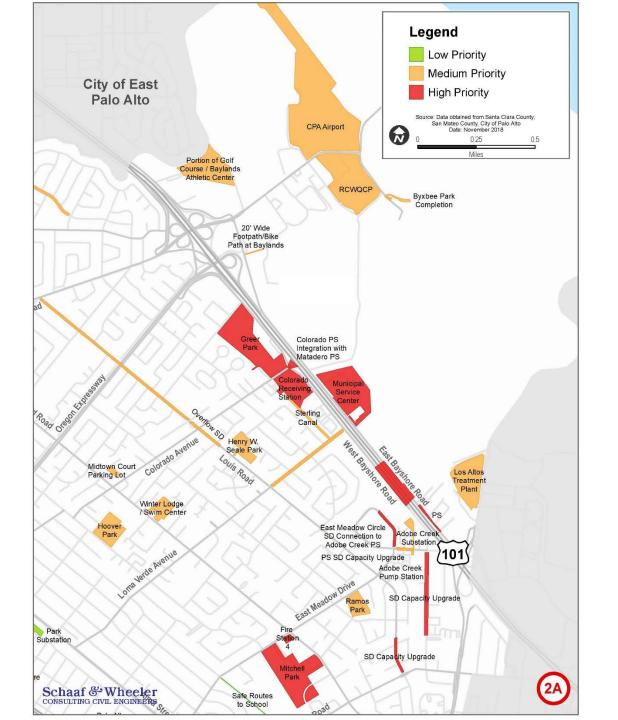
4.3 – Identifying Project Locations



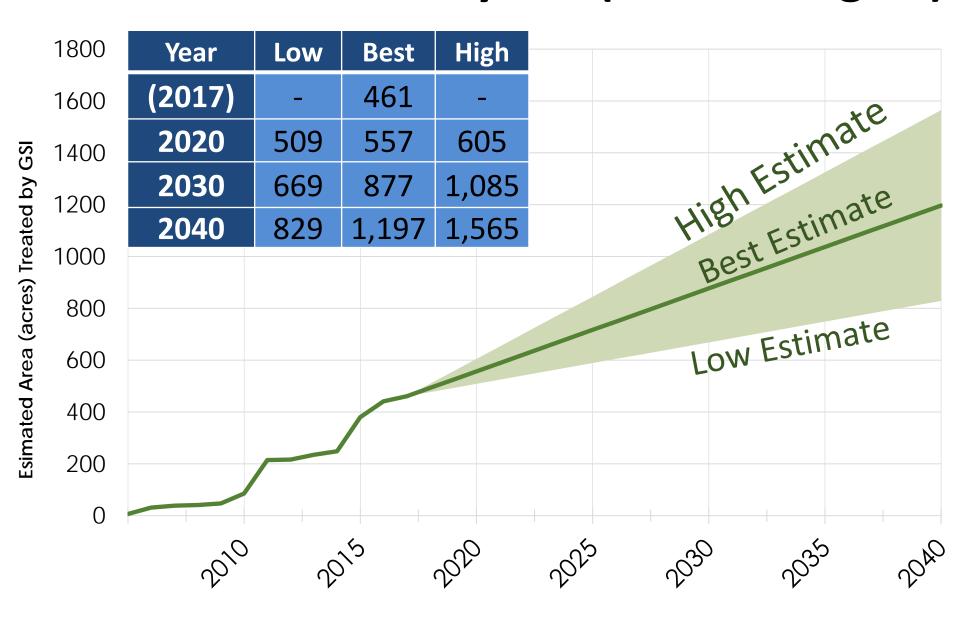
4.3 – City Prioritization

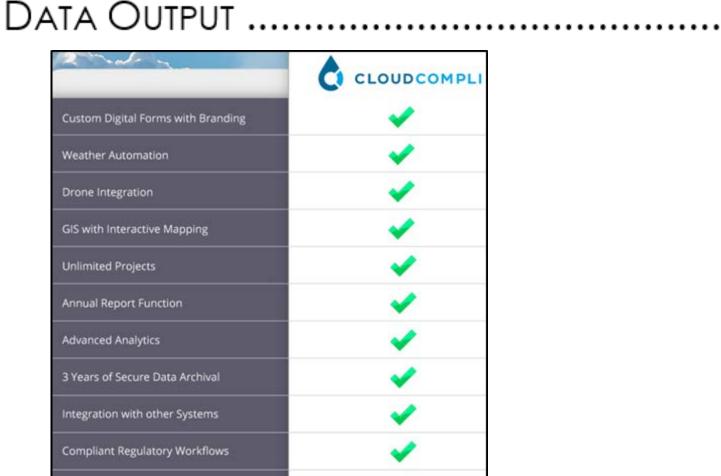
Driority	Dorcontilo	# of
Priority	Percentile	Projects
High	85 th	29
Medium	between 25 th and 85 th	59
Low	25 th	25





5.0 - Acres Treated by GSI (DRAFT Targets)

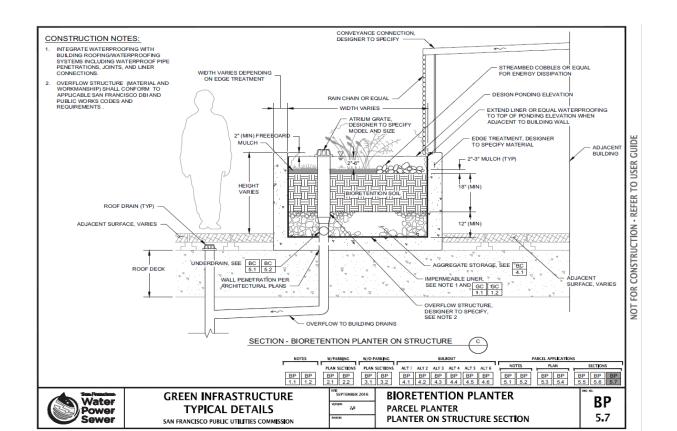




6.2.2

7.0 – GSI Guidelines & Specs

- County-wide Handbook for reference
- City-specific (integration with PW & Utilities)
- Workshops w/ staff



8.0 - Integration w/ City Plans

- MRP should align with City's documents/policies
 - "planning documents...updated or modified to appropriately incorporate green infrastructure requirements, such as: General Plans, Transportation Plans, Storm Drain Master Plans...other plans that may affect the future...of impervious surfaces, including, but not limited to, streets, alleys, parking lots, sidewalks and drainage infrastructure."
- By January 2021 or "workplan identifying how...green infrastructure and low impact development measures are appropriately included in future plans"

Storm Drain Master Plan	Unknown			
New				
Cubberley Master Plan	N/A			
North Ventura Comprehensive Area Plan	N/A			
Sea Level Rise Policy	March 2019			
Tree and Landscape Technical Manual	Finalized Fall 2019			
Interim policies to be drafted for major plans				

Existing

Title

Bicycle and Pedestrian Transportation Plan

Comprehensive Plan

Projected

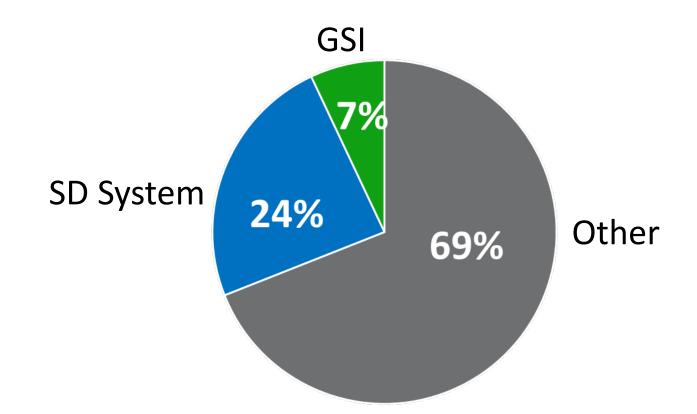
Update

Unknown

Unknown

9.0 – Evaluation of Funding Options

- Funding needs and opportunity analysis
 - −Phase 1: initial assessment (~ May 2019)
 - -Phase 2: long-term plan (FY 20-21)



10.0 - Outreach and Education

Inter-Departmental

Stormwater (Quality) Program Manager + City Staff

GSI Workgroup

Analyze Capital Improvement Projects (CIPs)

Coordination Efforts

Storm Drain Blue Ribbon Committee

Stormwater Oversight Committee

SCVURPPP Outreach and Education Program

Community Members

Grassroots Ecology (small-scale GSI projects)

SCVURPPP Committees and Workgroups

Provide Feedback on SCVURPPP Draft Products

Training

SCVURPPP: Developing GI Prog. & Identifying Opportunities to turn Gray to Green

SCVURPPP: LID and GI – Meeting New Requirements

SCVURPPP: GSI Design and Implementation

SCVURPPP: GSI Handbook Details Part 1

SCVURPPP: GSI Handbook Details Part 2

SCVURPPP: SWRP and GSI Planning and Implementation

PWE Annual Workshops on Stormwater Harvesting Media for Residents

Informational

GSI Utility Bill Insert for Residents in 2016

Updated GSI Utility Bill Insert for Residents in 2018

Provide Outreach Materials for GSI Plan and Available City Rebates

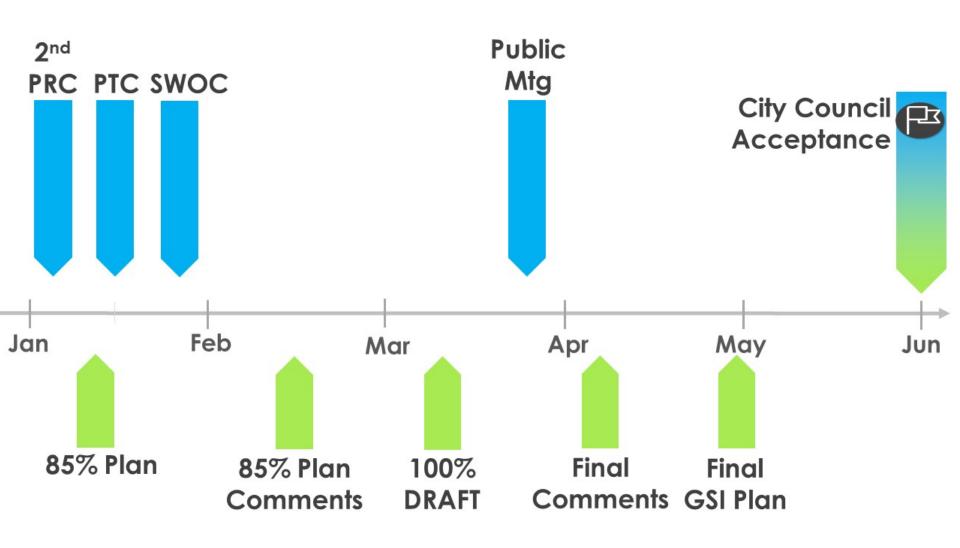
SCVURPPP Fact Sheet for Elected Officials

SCVURPPP Fact Sheet for Resident Neighborhoods

City GSI Webpage

SCVURPPP Watershed Watch Webpage

11.0 - Acceptance of GSI Plan



- PRC: Parks and Recreation Commission
- PTC: Planning and Transportation Commission
- SWOC: Stormwater Oversight Committee

12.0 – Plan Implementation

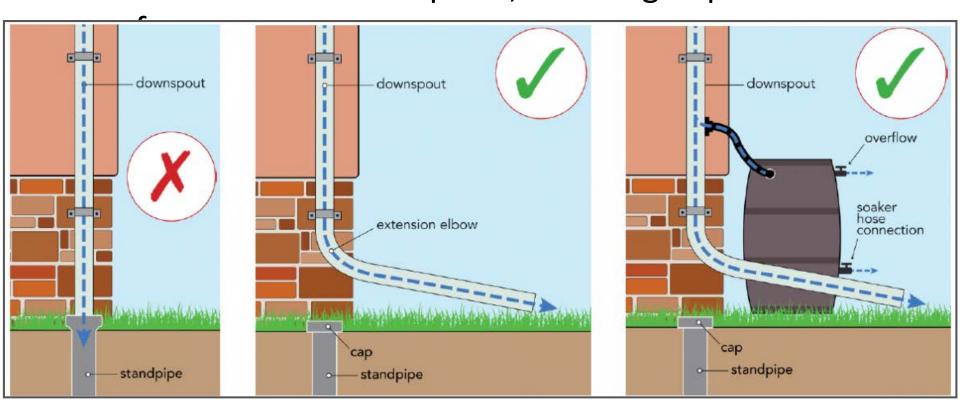
- Legal update (Ch. 16.11)
- Change of perspective: from requirement to forefront of design
- Stormwater art and education





Low Impact Development (LID)

- Design & Practices at Site Scale:
 - Control stormwater in place; reducing impervious



Connected to storm drain system

Disconnected from storm drain system

Connected to rain barrel

13.0 – Implementation Process

- Conduct regular, collaborative meetings
- Create different subcommittees
- Develop tools, policies, and guidelines
- Update City plans and policies
- Develop evaluation, tracking, and reporting tools
- Track and implement best practices
- Perform outreach and education as feasible



13.0 – Implementation Process

- Feasibility assessment tools
- Tracking tools
- Maintenance and Monitoring Plan (FY 20-21)







14.0 - Project Prioritization (Long-Term)

- External project oversight
- Long-term planning
- Performance tracking

