

City of San Jose Green Infrastructure Plan

Transportation and Environment Committee
June 4, 2018
Item d (1)



Environmental Services

*Delivering world class utility services and programs
to improve our health, environment and economy*

Where the Water Goes

**Indoor
Activities**

**Sanitary
Sewer**

Treatment Plant



**Outdoor
Activities**

Storm Sewer

Creeks & Rivers



Impacts of Unmanaged Stormwater



Green Infrastructure Plan Drivers

- Municipal Regional Stormwater Permit
- SF Baykeeper
 - Comprehensive Load Reduction Plan
 - \$100 Million
- Alignment with City initiatives



What is Green Infrastructure?



- Systems that use vegetation, soils, and natural processes to manage water and create healthier urban environments



Green Infrastructure Plan



- Describe citywide shift to green infrastructure
- Reasonable assurance of pollutant reduction

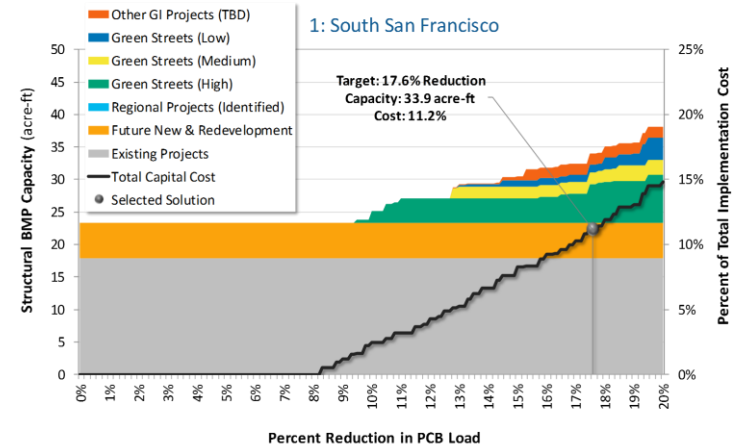
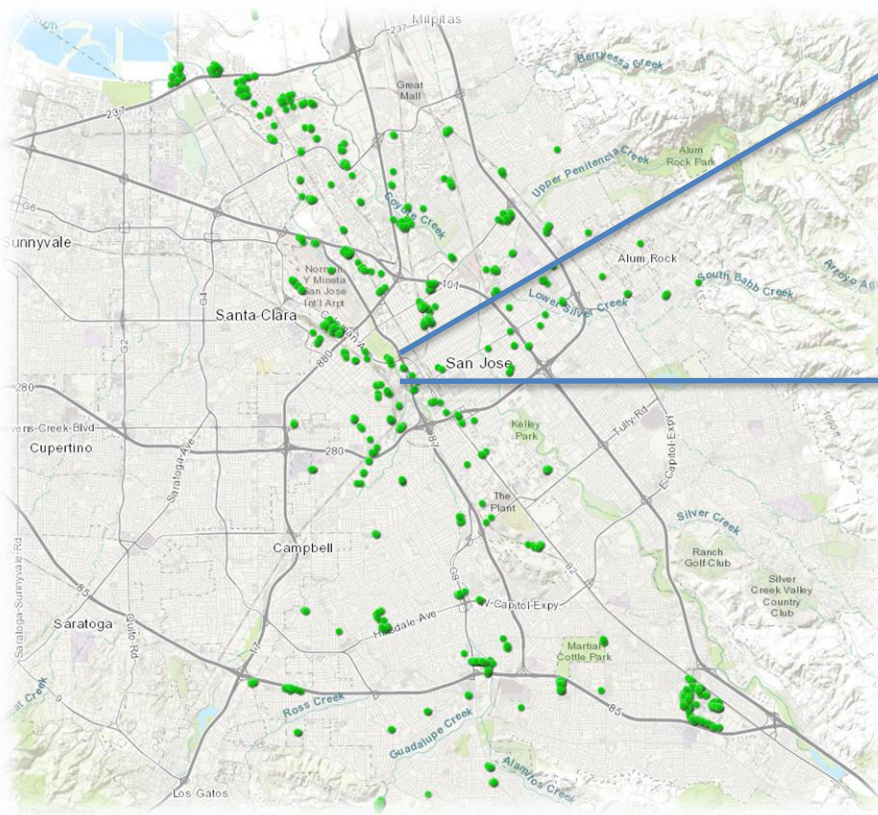


Before

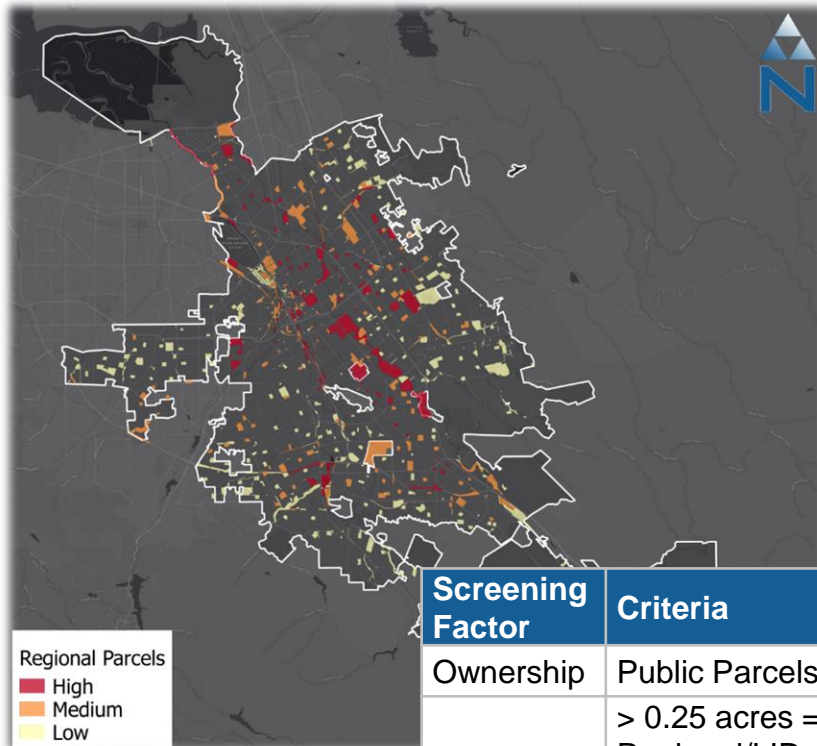


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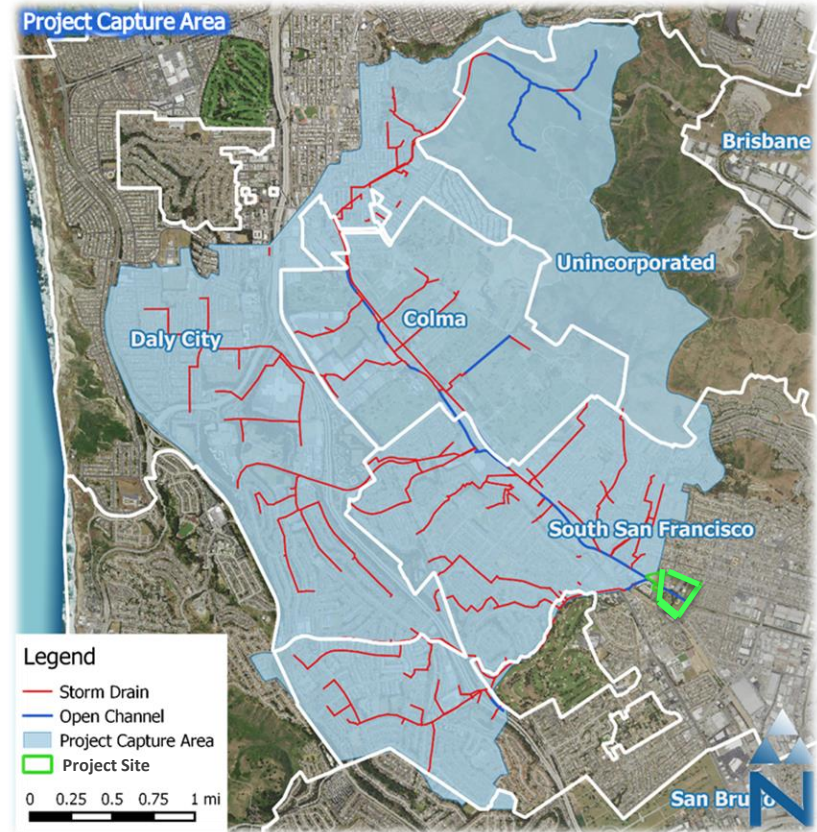
Tracking Completed Projects and Pollution Reduction



Mechanism to Prioritize & Plan Green Infrastructure Projects



Screening Factor	Criteria
Ownership	Public Parcels
Parcel Size	> 0.25 acres = Regional/LID < 0.25 acres = LID only
Site Slope	< 10 %



Specifications for Incorporating Green Infrastructure

Green Stormwater Infrastructure Handbook



Guidance for Implementing Green Stormwater Infrastructure in Public Streetscapes, Parking Lots and Parks



Campbell • Cupertino • Los Altos • Los Altos Hills • Los Gatos • Milpitas • Monte Sereno • Mountain View • Palo Alto
San Jose • Santa Clara • Saratoga • Sunnyvale • Santa Clara County • Santa Clara Valley Water District

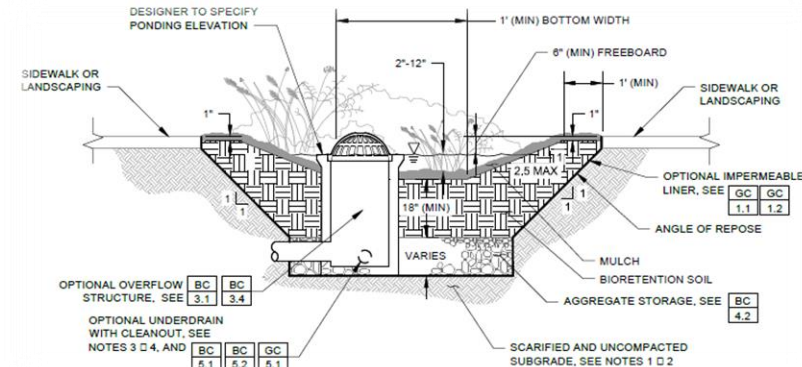
FINAL DRAFT February 2018



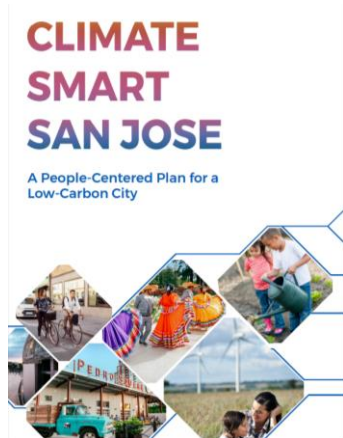
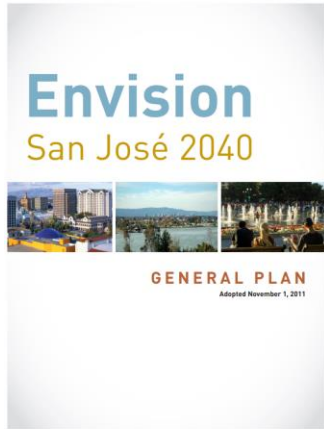
Part 1



Part 2



Update of Planning Documents



Plan	Department
General Plan	PBCE
Urban Village Plans	PBCE
Tree Policy and Manual	DOT
Urban Forestry Plan	DOT
Complete Streets	DOT
Storm Sewer Master Plan	PW
Development Manual	PW
Greenprint	PRNS
Climate Smart San Jose	ESD

Maintenance and Monitoring Plan



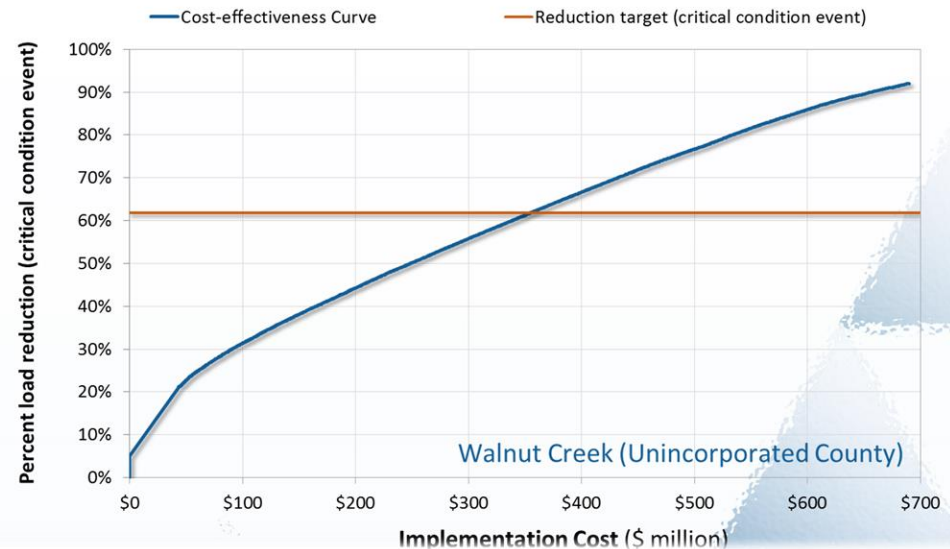
Remove Sediment Build-Up and Debris from Inlet and Forebay



Evaluation of Funding Options

- \$100 Million for Consent Decree
- Additional funds to meet pollutant reduction requirement
- Storm Sewer Funding Alternatives Project

Cost-effectiveness curve



Project Schedule Milestones

Date	Action
November 2018	Departments receive full draft plan for review
February 2019	Steering Committee reviews and approves Green Infrastructure Plan.
June 2019	T&E reviews and considers final draft Green Infrastructure Plan.
August 2019	City Council approves final draft Green Infrastructure Plan.
September 30, 2019	Submit Green Infrastructure Plan to Water Board