

City of San José

Green Stormwater Infrastructure Plan

Transportation and Environment Committee

June 3, 2019

Item d(1)



Environmental Services

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

Where Does the Water Go?

**Indoor
Activities**

**Sanitary
Sewer**

Treatment Plant



**Outdoor
Activities**

Storm Sewer

Creeks & Rivers



Green Stormwater Infrastructure (GSI)

Problem: Poor Water Quality & Erosive Flows



Green Stormwater Infrastructure (GSI)

Solution: Treat, Slow, and Reduce Runoff



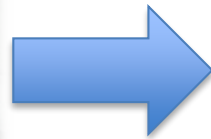
Green Stormwater Infrastructure Plan Drivers

- Municipal Regional Stormwater Permit
 - LID Requirements
- SF Baykeeper
 - CLRP (GSI Plan)
- Alignment with City initiatives



Green Stormwater Infrastructure (GSI)

- Describe citywide shift to green stormwater infrastructure
- Reasonable assurance of water quality improvement



Project Prioritization Methodology

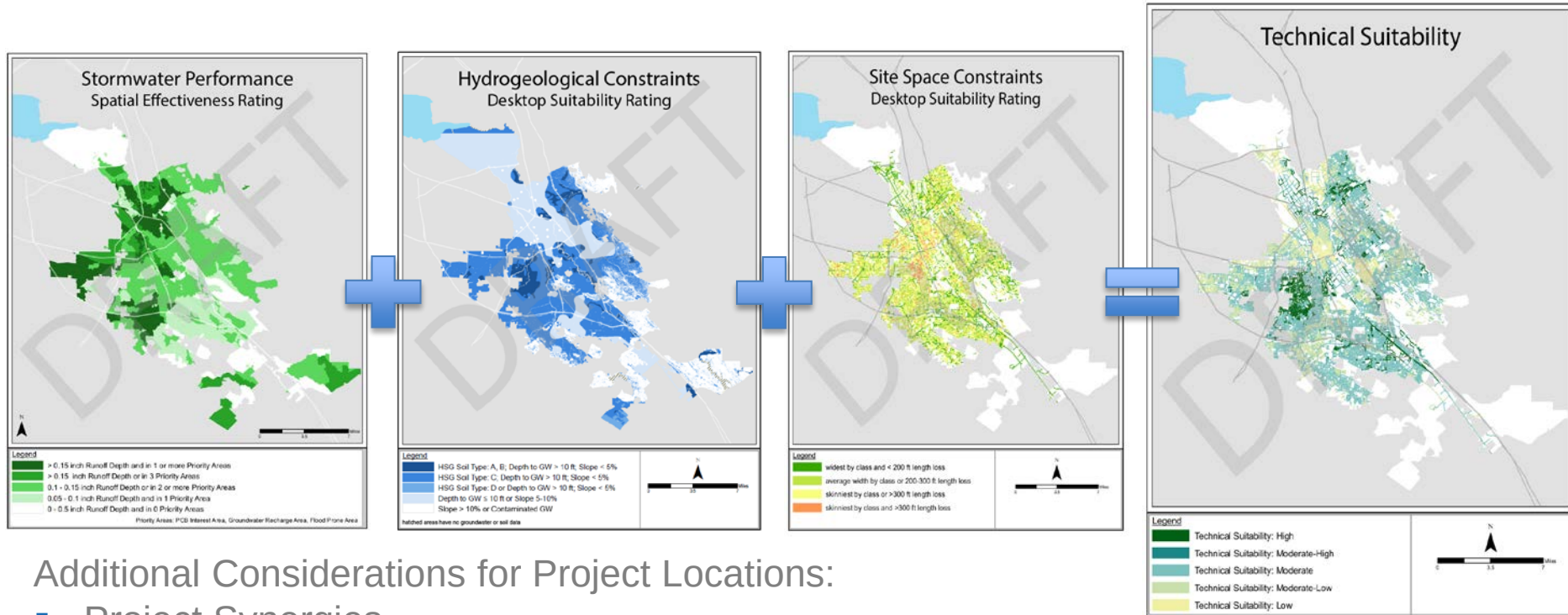
Green Streets



Regional Projects



Prioritization Methodology – Green Streets



Additional Considerations for Project Locations:

- Project Synergies
- Grant Requirements

Prioritization Methodology – Regional Projects



Assessed:

- Performance
 - drainage area
- Constructability
 - soil type, groundwater depth, site size
- Co-benefits/Synergies
 - recreational uses, trees, co-located projects



Regional Projects



Yauger Park in Olympia, Washington



Cromwell Park in Shoreline, Washington

A
B
O
V
E

G
R
O
U
N
D



Sydney Park, Australia



Hunter's Point South Waterfront Park

Regional Projects

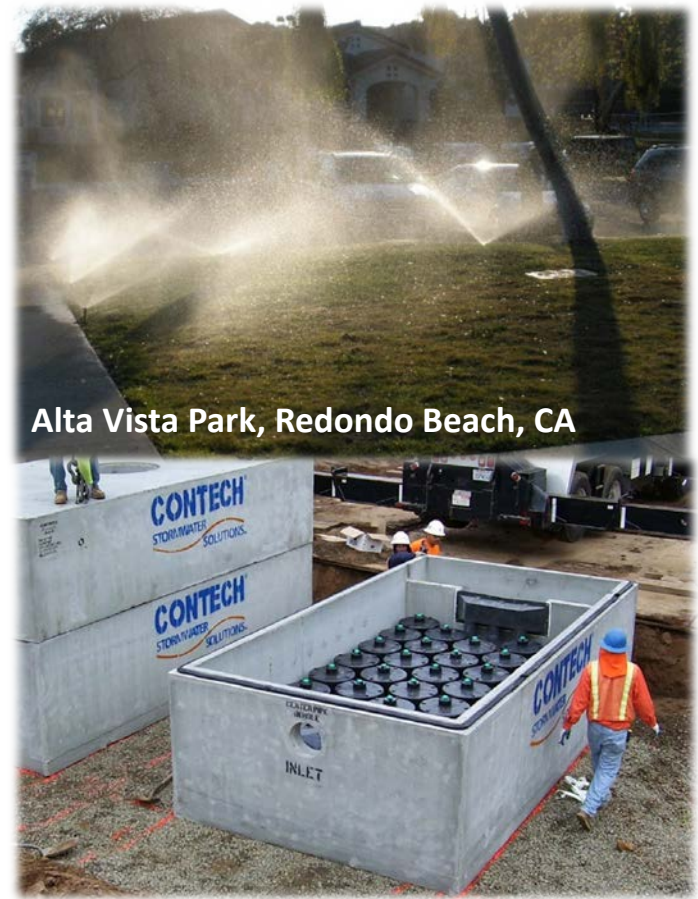


Sun Valley Park, Los Angeles, CA



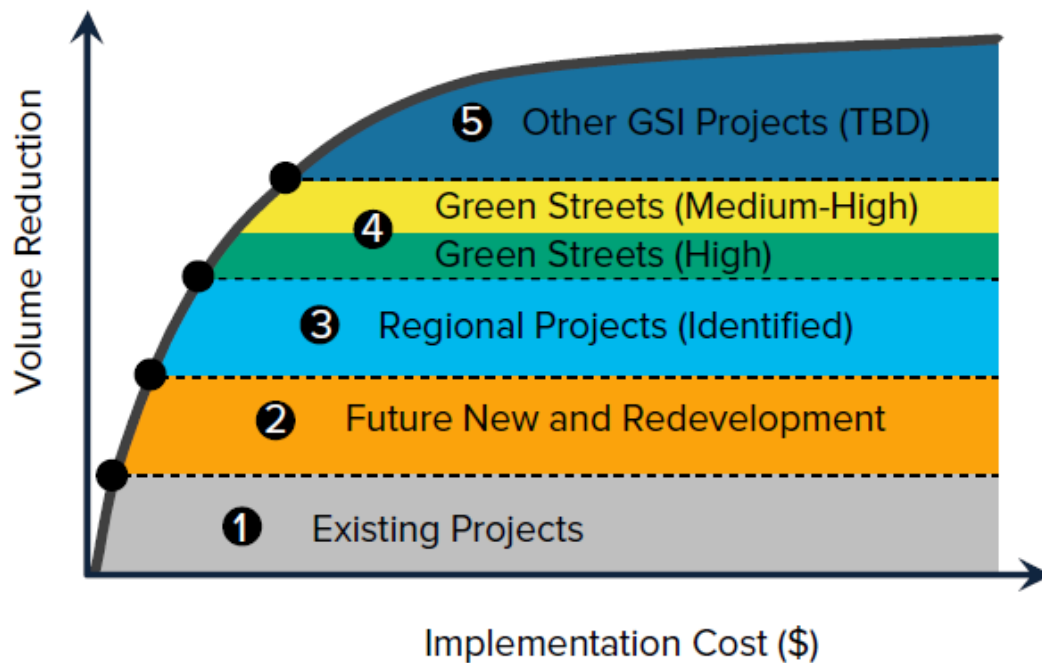
B
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Alta Vista Park, Redondo Beach, CA

Citywide Implementation Strategy



Green
Streets



LID
Retrofits



Regional
Projects



Cost Implications & Funding

- Consent decree - \$100 million over 10 years
- Measure T - \$25 million
- Other potential funding options – parcel tax, G.O. bonds, grants
- Full implementation of plan will exceed \$100 million
- Long-term projected costs analysis



Next Steps

Date	Action
September 2019	City Council considers approval of Green Stormwater Infrastructure Plan
September 30, 2019	Submit Green Stormwater Infrastructure Plan to Water Board
2020 – 2025 (estimated)	Site specific public input on designs. Will be done in phases
2020-2025	Receive Parks & Recreation Commission feedback on preliminary design work if at a park site, such as Kelley Park Stables, prior to final Council consideration of project
2022 (estimated)	Begin project construction (estimated)

QUESTIONS?