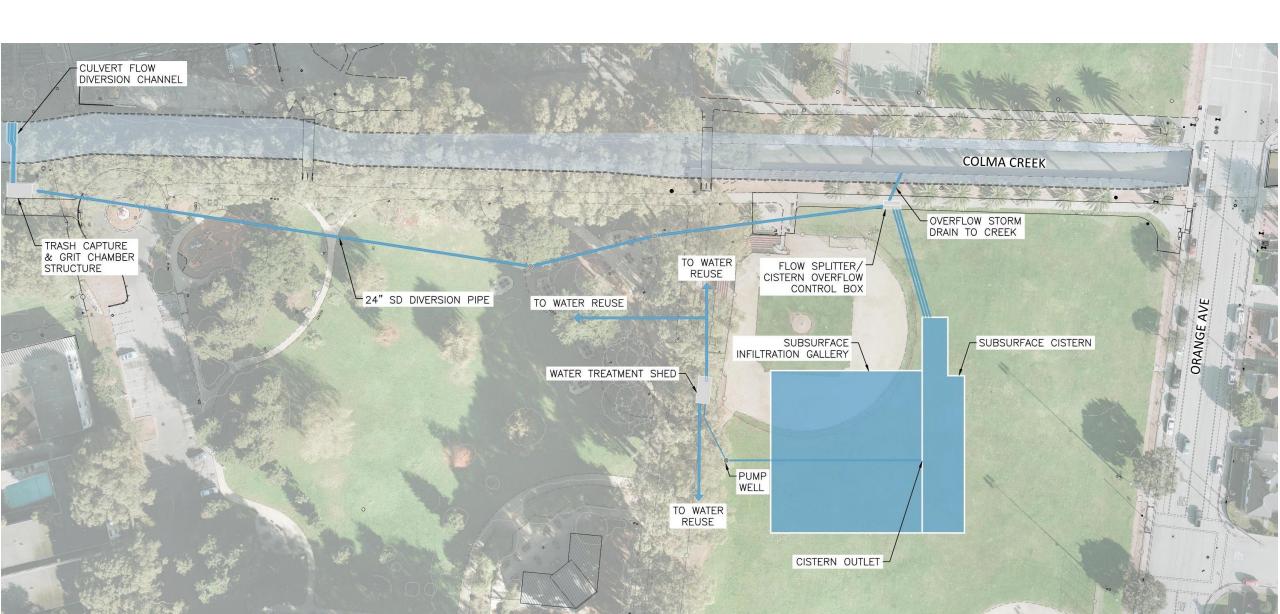


Project Update

Selected Alternative: Subsurface Cistern under Ballfields

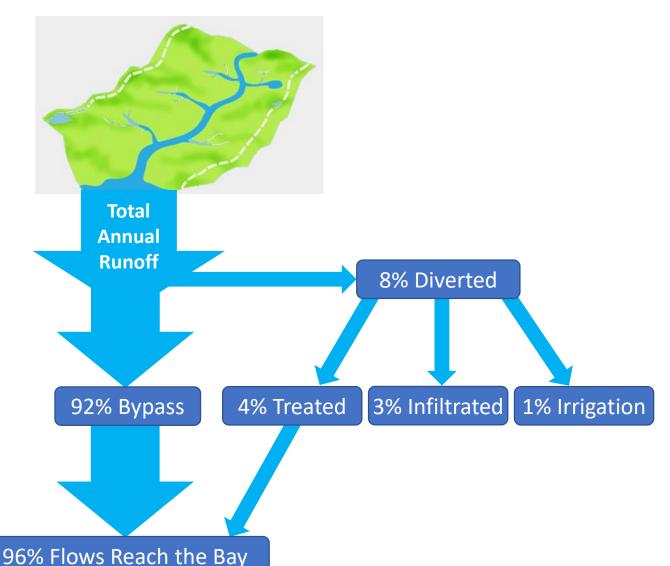


60% Design – Water Capture System Layout



60% Design – Water Capture System Performance

Hydrology



Annual Benefits (RAA Model)

Equivalent Areas treated

- 351 acres for general water quality (85th percentile storm)
- 133 acres for trash capture (1-yr, 1-hr storm)

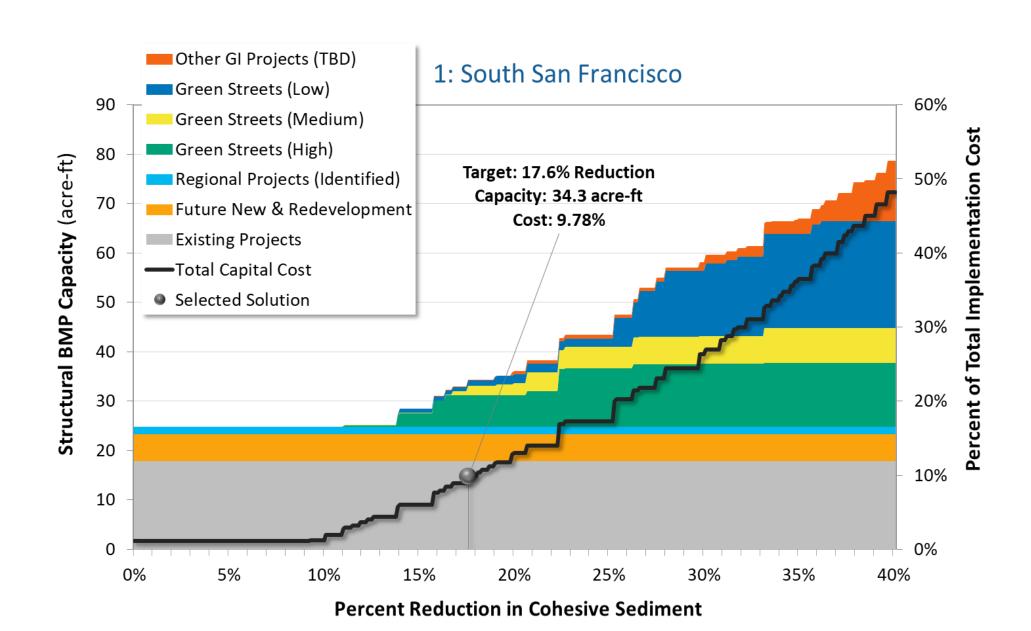
Pollutant Load Reduction

- 56 tons of sediment removed
- 5 grams of PCBs removed
- 16 grams of Hg removed

Beneficial Uses

- 120 ac-ft/yr groundwater recharge
- 40 ac-ft/yr potable offset
- 160 ac-ft/yr treated and returned

Water Quality Benefits



Schedule - Design, Bid, and Construction

2019 2020 2021

- Design, Bid, Stormwater Capture
- Planning ballfield replacement

- Complete Construction Stormwater Capture
- Begin construction of ballfield replacement
- Complete construction phase 1 of new ballfield

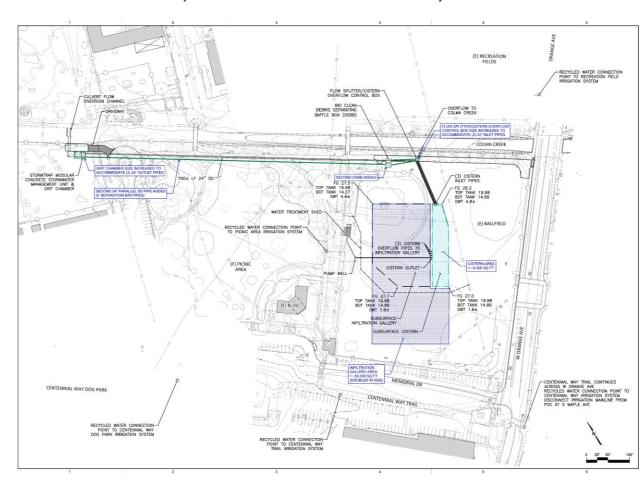
New CIA with Caltrans

Potential Expanded Project Footprint

Current Tank Layout

(E) RECREATION CENTENNIAL WAY DOG PARK

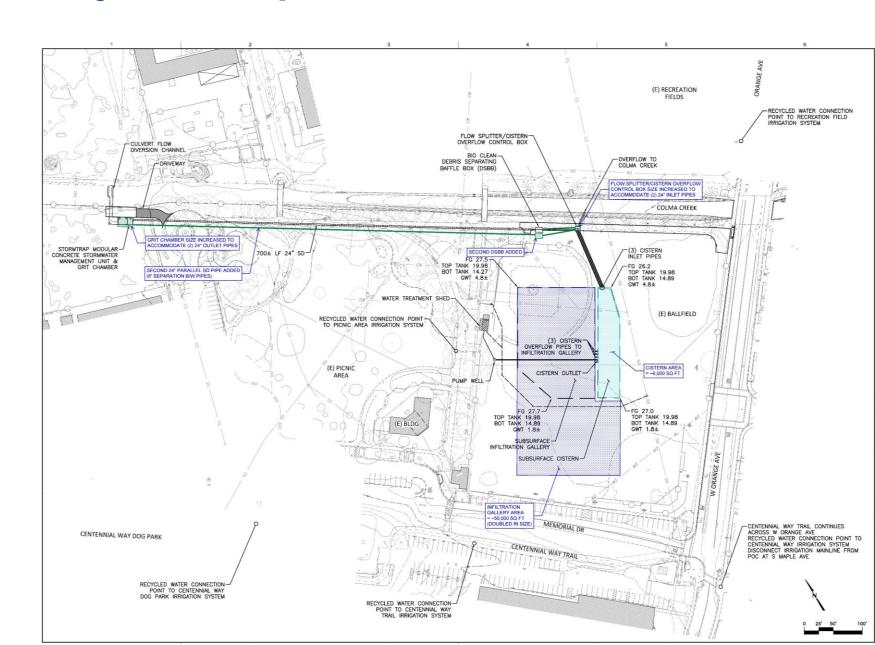
Expanded Tank Layout



Potential Expanded Project Footprint

Upsized Elements:

- Instream diversion
- Grit chamber
- Diversion pipe
- Flow splitter
- Overflow pipe
- Infiltration gallery



Cost and Performance Comparison

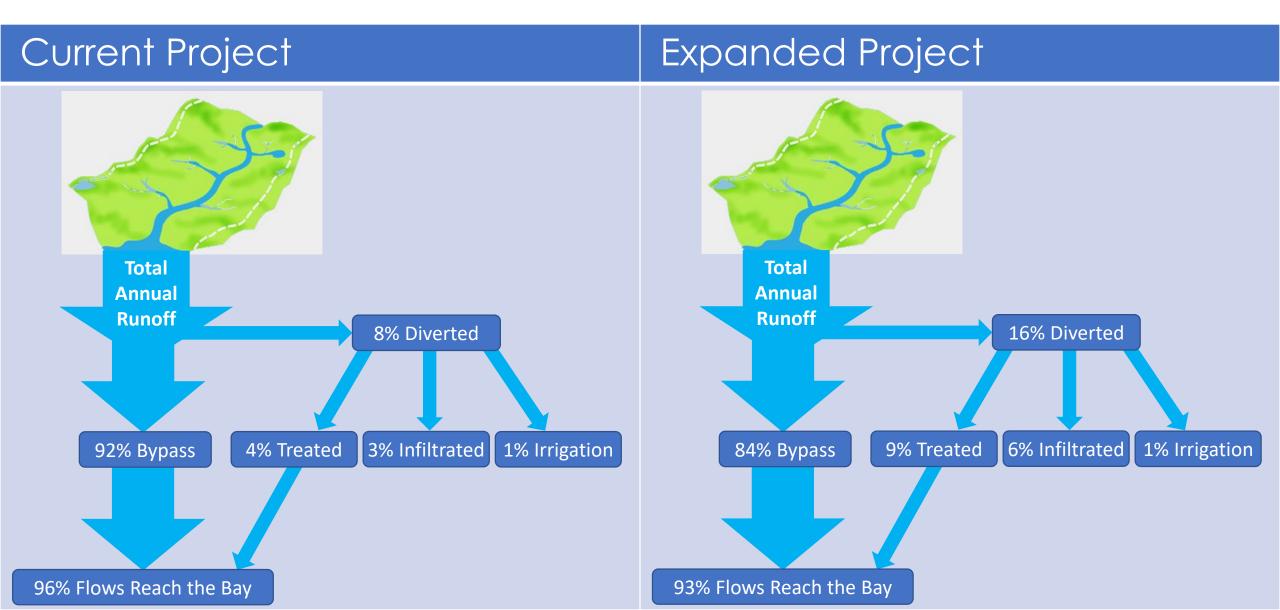
Current Project

- Cost = \$9.5M
 - \$1.0M for field renovation
- Equivalent Area Treated = 590 ac
- 320 ac-ft diverted & treated
 - 120 ac-ft infiltrated
 - 40 ac-ft used for irrigation
 - 160 ac-ft treated & returned

Expanded Project

- Cost = \$15.5M
 - \$1.7M for field renovation
- Equivalent Area Treated = 1,150 ac
- 640 ac-ft diverted & treated
 - 240 ac-ft infiltrated
 - 40 ac-ft used for irrigation
 - 360 ac-ft treated & returned

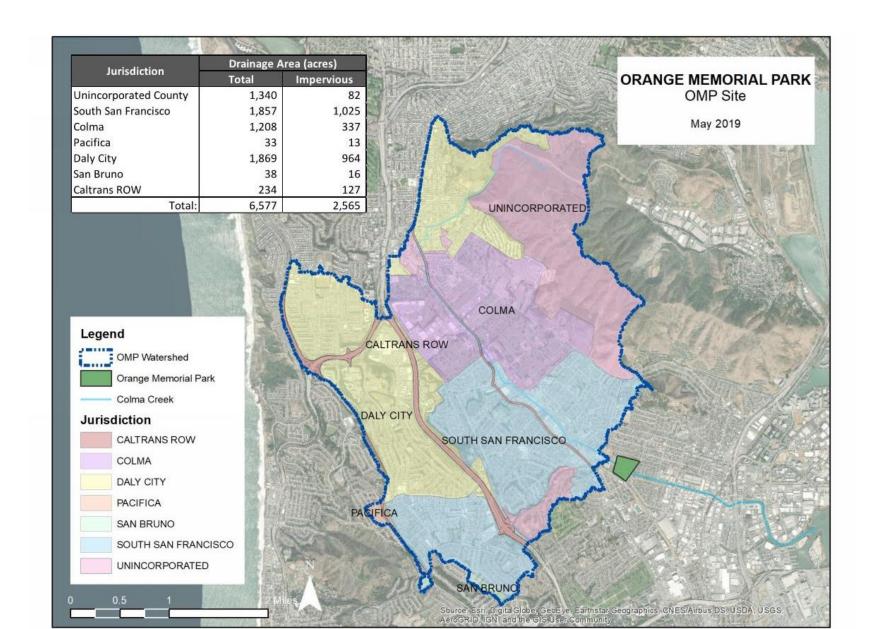
Cost and Performance Comparison



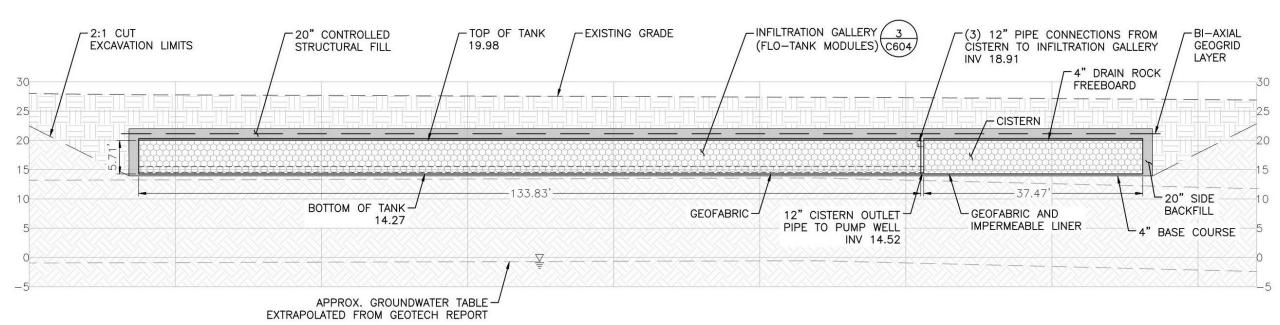
Thank you!

Extra Slides

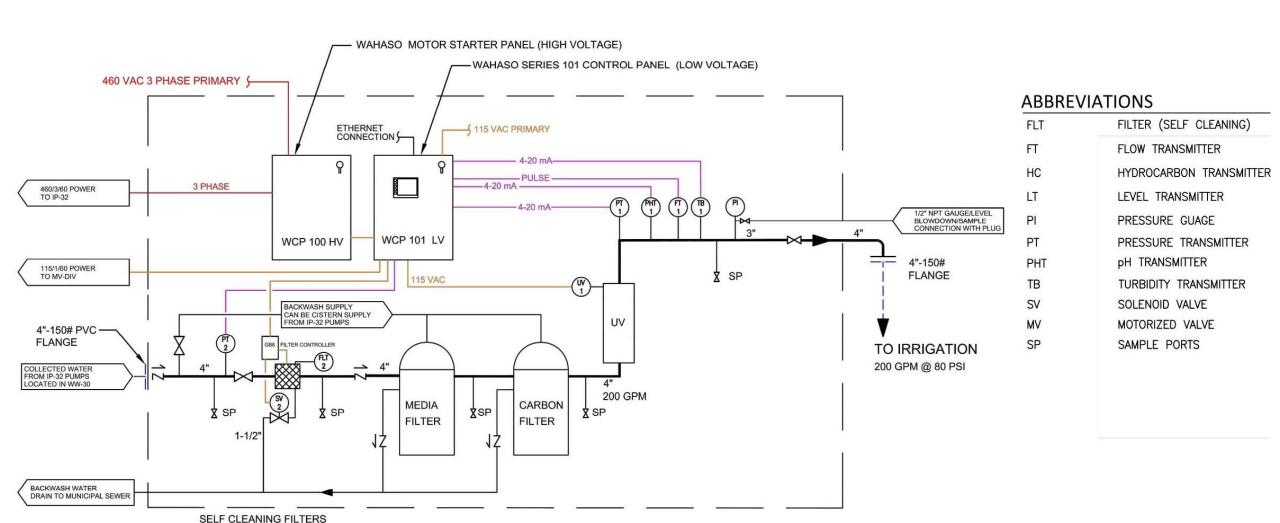
Tributary Watershed



Subsurface Storage Reservoir - Cross Section



Water Treatment System



Instream Diversion from Colma Creek

