



TETRA TECH

Culver Blvd Stormwater Project Approach Overview

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Presented by Oliver Galang



Ballona Creek Watershed



Under Wet weather conditions, Ballona Creek EWMP to address **metals**

Under Dry weather conditions, address ***bacteria***

TMDLs include ***metals, bacteria, trash, and toxic sediments***

Bacterial TMDL and Metals and Toxics TMDL by 2021

Culver Boulevard Project Objectives



Divert stormwater from the storm drains prior to discharge to Ballona Creek

Stormwater captured by this project to be stored and applied for beneficial uses

Treat and Use with stormwater opportunities

Culver Boulevard Project Drainage Area



Sepulveda Blvd drainage: 148 acres

Harter Ave drainage: 155 acres

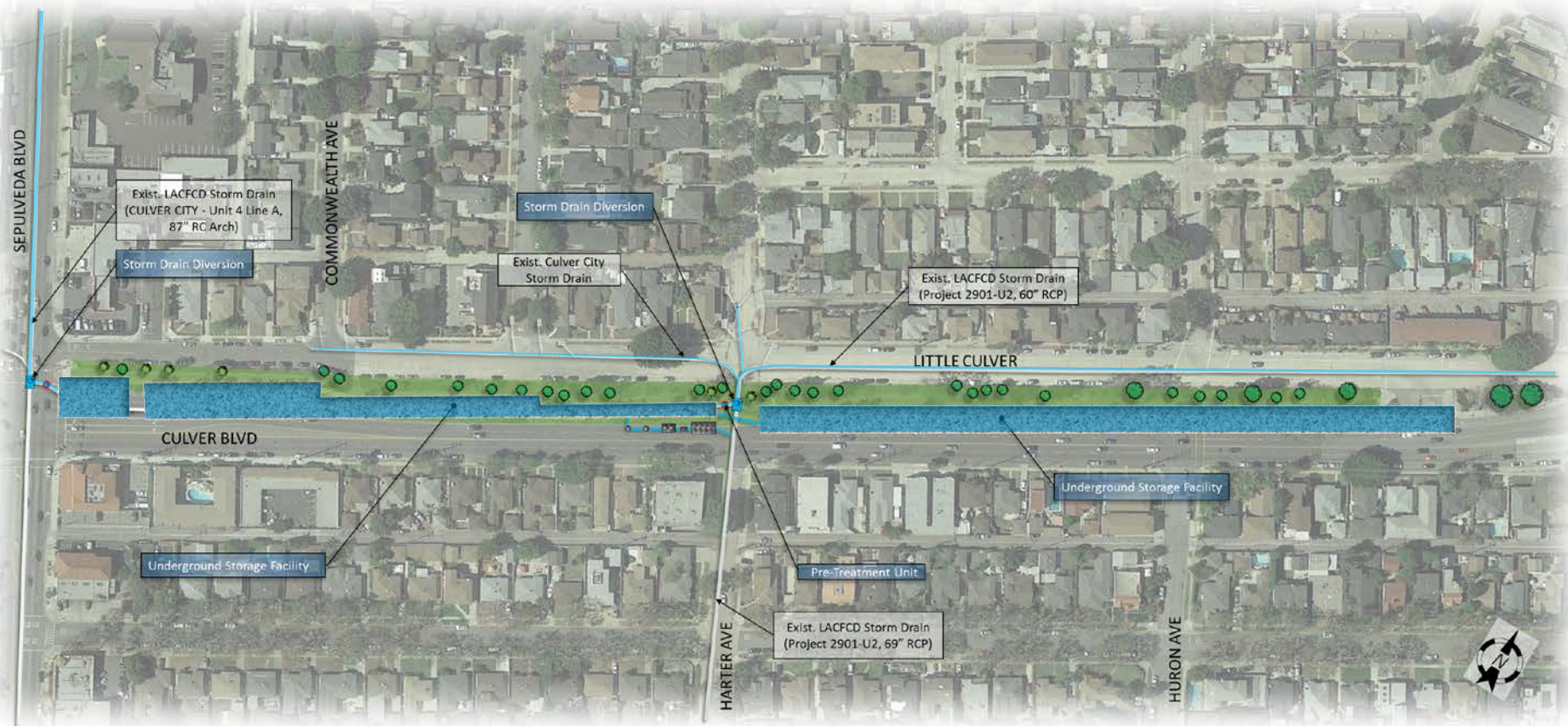
Total drainage: 303 acres

Storm Water Capture Goals



Storm Drain	Drainage Area (acres)	City Drainage (acres)	Water Capture Volume (acre-feet)	Culver City Water Capture Volume (acre-feet)
Harter Ave Drain	155	155	4.65	4.65
Sepulveda Blvd Drain	641	148	24.52	5.64
Total	796	303	29.17	10.29

Conceptual Layout, Option 1



Site Layout with 5'-high
subsurface storage structures
Sepulveda Blvd to west of
Elenda St

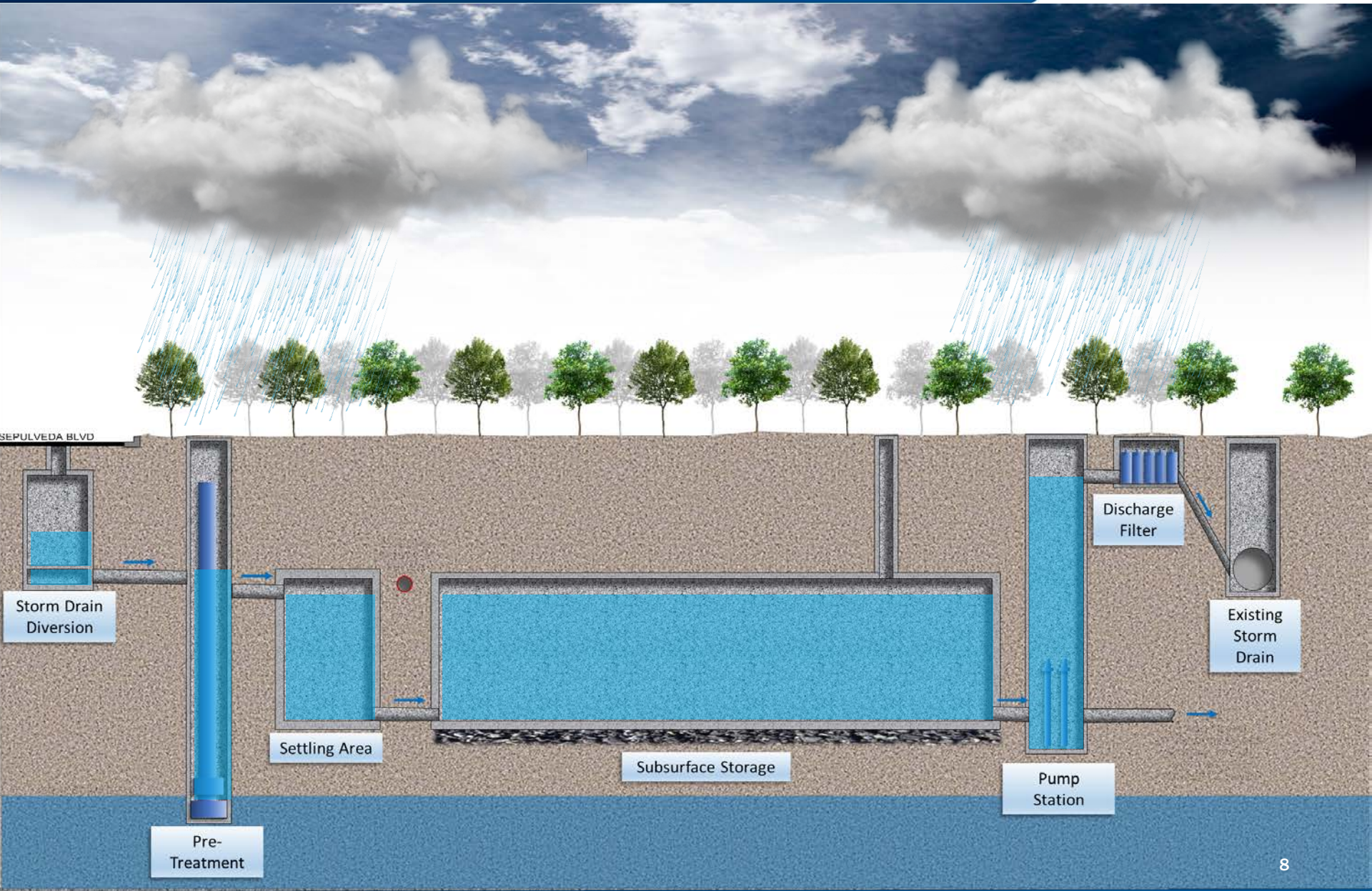
Conceptual Layout, Option 2



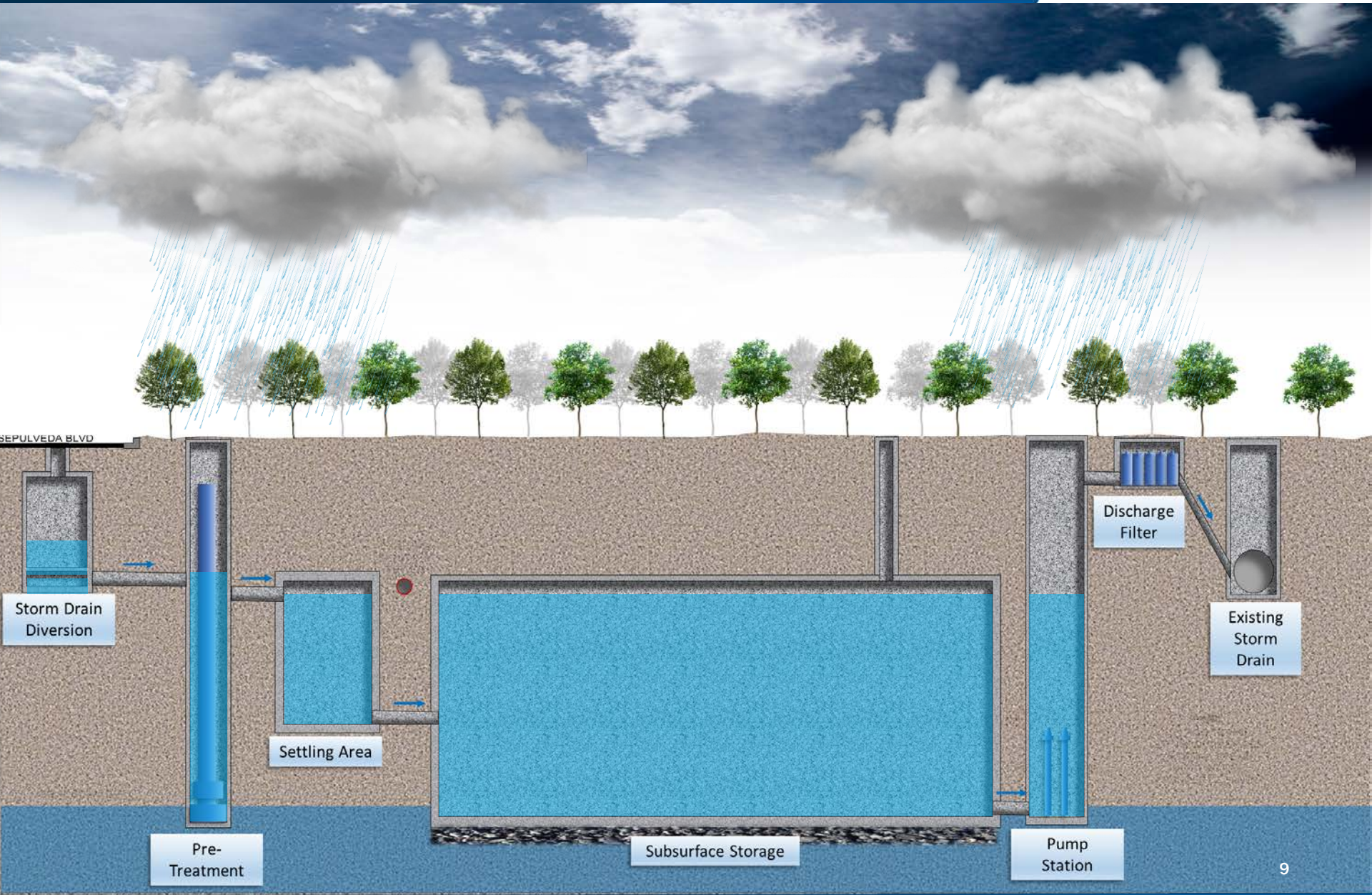
Site Layout with 10'-high
subsurface storage structures

Sepulveda Blvd to Harter Ave

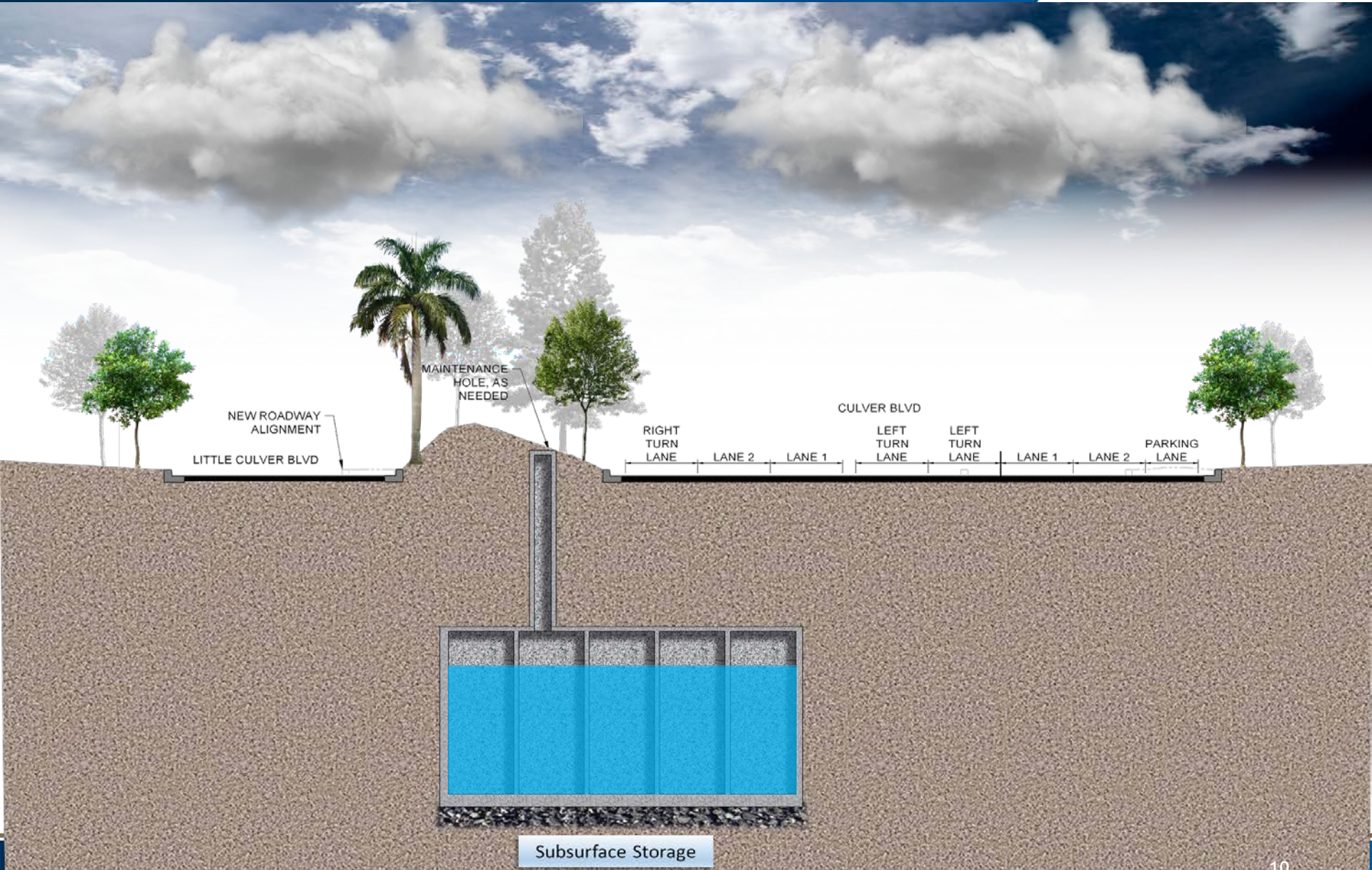
Project Profile, 5' Structures



Project Profile, 10' Structures



Subsurface Storage Structure



Construction of Storage Structure



Estimated Storm Water Capture Performance

Description	Quantity
Drainage Area (acres)	796 acres (303 acres Culver City)
Diversion Rate (cfs)	25 cfs (Harter Ave Drain) 25 cfs (Sepulveda Blvd Drain)
Storm Water Capture Storage Volume (acre-feet)	8 AF
Storm Water Treatment Volume (acre-feet)	11.66 AF
Total Stormwater Capture (acre-feet)	19.66 AF