



MONTEREY PENINSULA

**WATER SUPPLY  
PROJECT**



**CALIFORNIA  
AMERICAN WATER**

# **TERMINAL RESERVOIR CONTRACT CHANGE**

**Presented to: MPWSP Governance Committee**

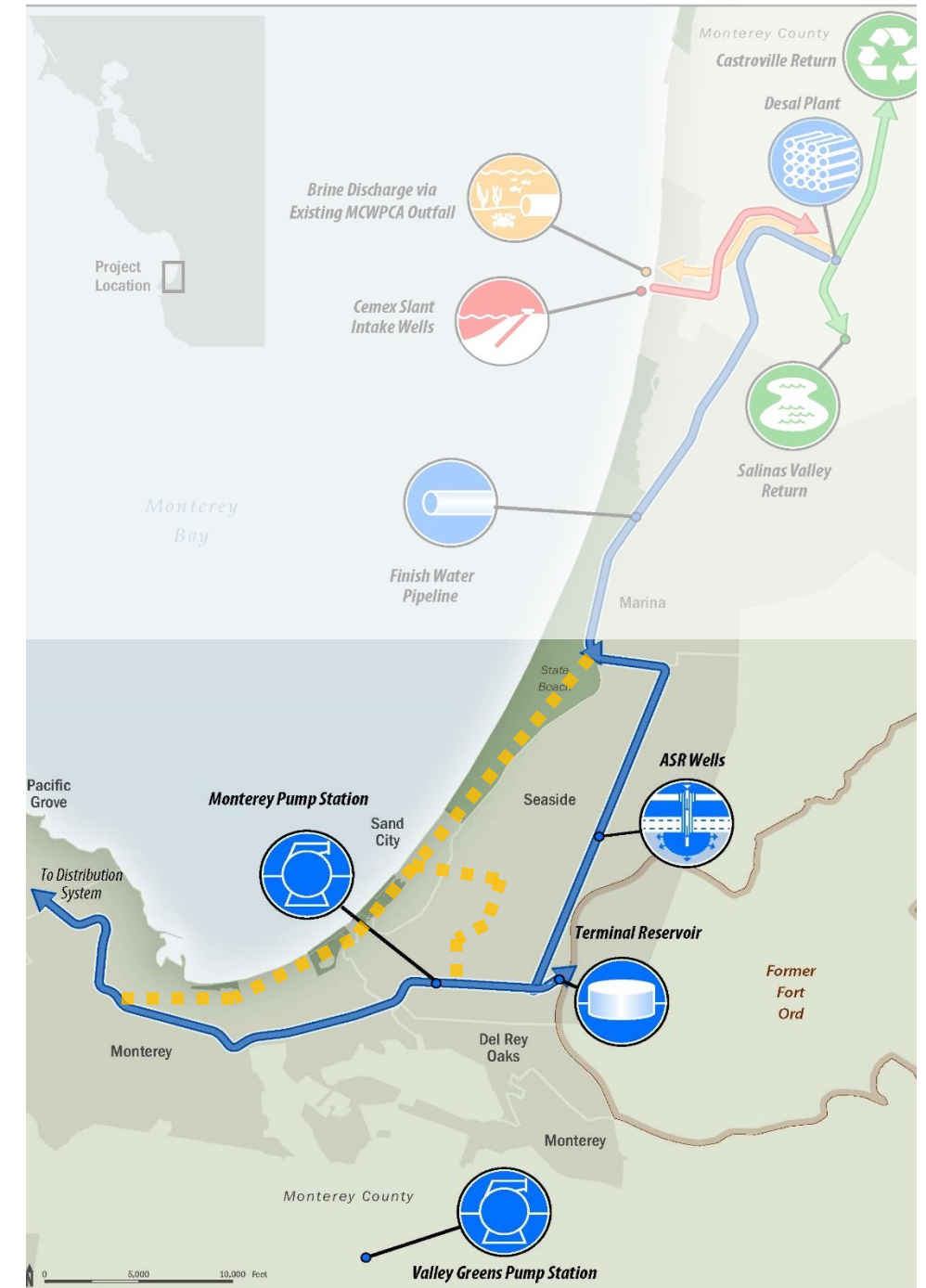
**Date: November 16, 2016**

# Alignment Routes

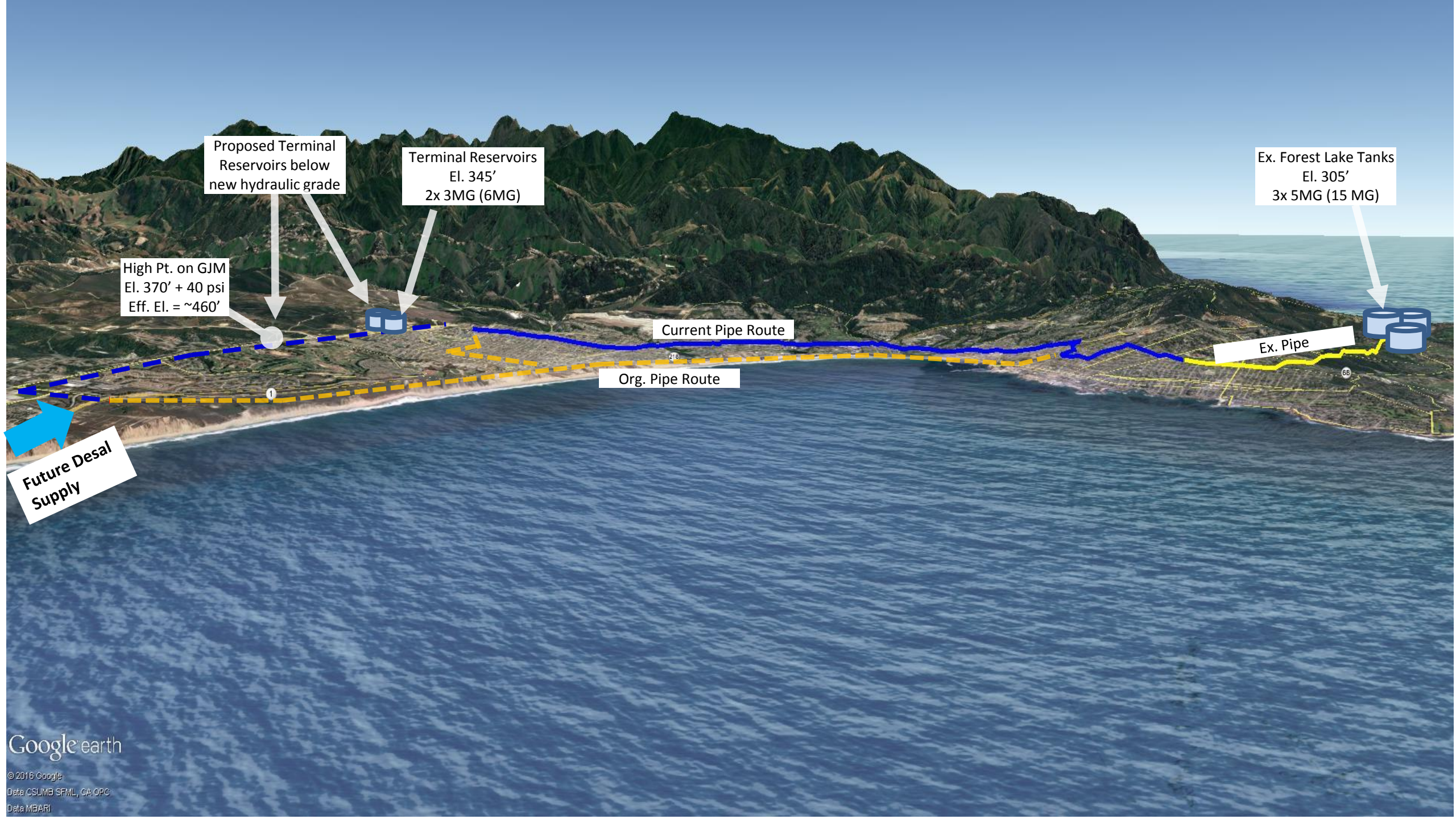
1. Original along coast shown as ■■■■ followed TAMC, rec. trail & then Del Monte Blvd through downtown Monterey by convention center. It also required additional water mains through Seaside up to GJM Blvd.
2. Alternative changes to follow Lightfighter Rd. and then along GJM Blvd.

## New Alignment Benefits & Decision Considerations

- Reduced ~2 miles of water main and a pump station
- City of Monterey requested alternative to Original route.
- Avoided high water table along coast and cost to mitigate
- Avoided potential contaminated soil areas and cost to mitigate
- Avoided Coastal Zone permitting in Seaside and Monterey
- Avoided high traffic area on Del Monte Blvd through downtown Monterey with limited detour opportunities







Proposed Terminal Reservoirs below new hydraulic grade

Terminal Reservoirs  
El. 345'  
2x 3MG (6MG)

Ex. Forest Lake Tanks  
El. 305'  
3x 5MG (15 MG)

High Pt. on GJM  
El. 370' + 40 psi  
Eff. El. = ~460'

Current Pipe Route

Ex. Pipe

Org. Pipe Route

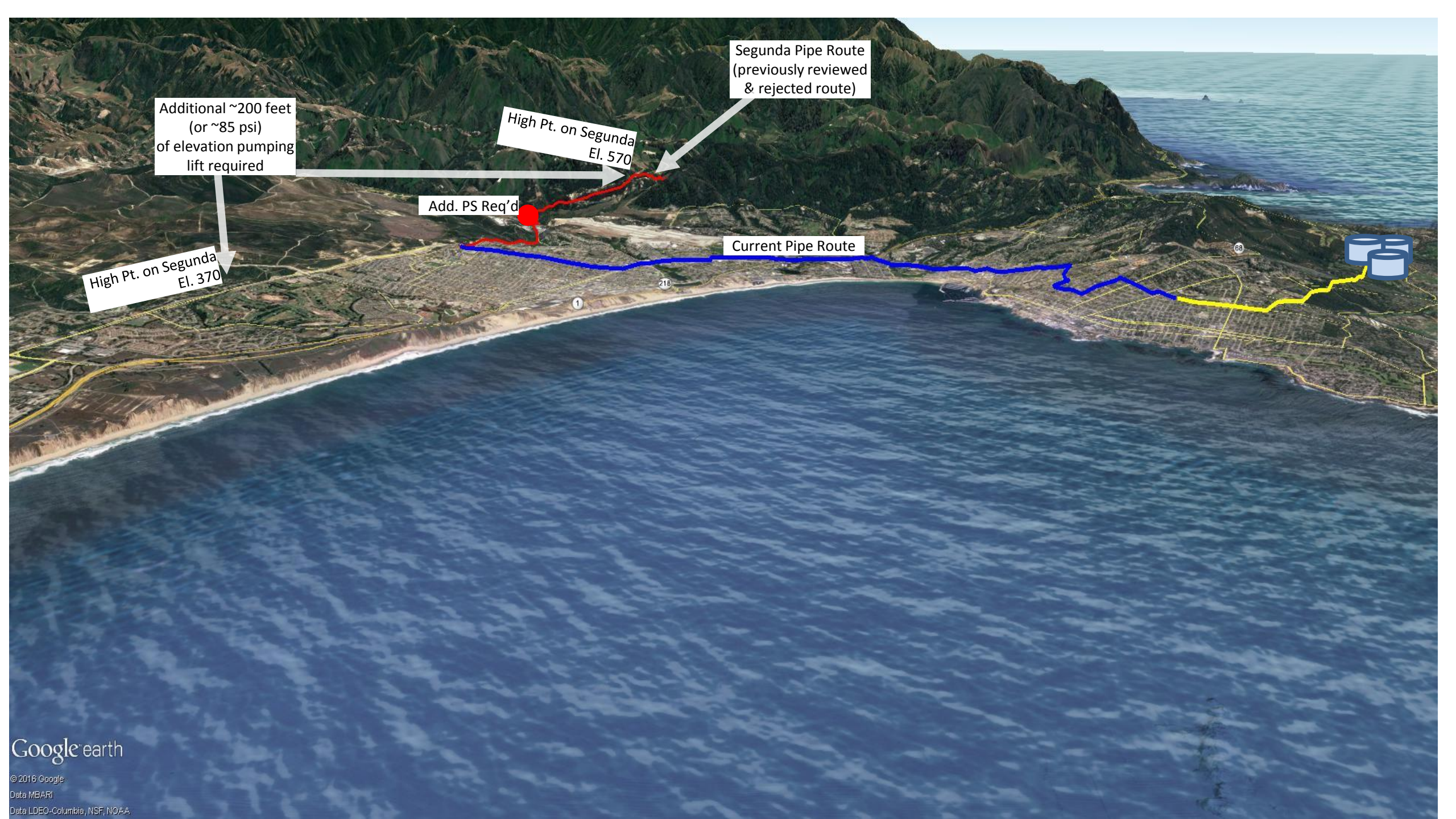
Future Desal Supply

# Proposed Terminal Reservoir Contract Change

- **MPWSP Changes**
  - Eliminate two 3 million gallon Terminal Reservoir tanks.
  - Increase size of clear wells at desal plant to 3.5 million gallons
- **Cost Savings**
  - Reduce \$11.8 million cost for Terminal Reservoirs
  - Increase \$3.0m desal contract for additional storage
  - **Net savings of \$8.8 million to project**
- **Contract change request**
  - MPE contract change to remove Terminal Reservoir work and reduce contract by \$11.8m
  - CDM DB desal contract change to increase storage and contract by \$3m.

## **Additional Informational Slides**





Additional ~200 feet  
(or ~85 psi)  
of elevation pumping  
lift required

Segunda Pipe Route  
(previously reviewed  
& rejected route)

High Pt. on Segunda  
El. 570

Add. PS Req'd

Current Pipe Route

High Pt. on Segunda  
El. 370

