RMCP Committee Satellite Treatment for Golf Course Irrigation; Recycled Water Project – Sharon Heights

June 21, 2023



Sharon Heights

Goal is to learn about the Sharon Heights Recycled Water Treatment plant, its benefits to the community and to see the site.



Recycled Water for California's Future



Key Topics







Project Overview





Project Elements



Influent Pump Station Video



Pipe Alignment – Sand Hill Road



Recycled Water Pipeline installed by a combination of open trench and horizontal directional drilling (HDD)



Recycled Water Pipeline

Pipe Alignment Under New Walking Path



Treatment Facility

- MBR Plant (Membrane BioReactor)
- ✤ 0.5 MGD
- Forward feed to reduce pumping
- Quiet, odorless, Well Screened

Headworks



MBR Membrane BioReactor



Odor Control



Treatment Facility Video

Ultraviolet Disinfection



Public Private Partnership

Long Term Agreement
SRF Funding & Grant
Progressive Design Build
Caltrans Fill Station







Project Budget



Caltrans Permit = Longitudinal Variance Water Use Agreement O&M Agreement



Time lapse & Aerial Drone Video Documentation

Time Lapse



- Detail Tracking
- Proof of Construction
- Near Real-time updates
- One Perspective/View
- Less Expensive

Aerial Drone

- Dynamic Views
- ✤ Flexible
- ✤ Tells the Whole Story
- Visually Captivating
- Broader Audience Appeal



Treatment Plant Site Time Lapse



July 2020 – RW Delivered



SHGCC Storage Pond (1.8MG)





Next Steps



SLAC Pipeline



Additional 60-100kGal flow \$950K SRF/Grant Under construction

Avy Altschul Pump Station

Bayfront RW Facility



Project Management /Meta



1

30% Design to DB Team

2



Irrigation / Toilet Flushing

3

Questions

