

Holly Pressure Zone Improvements

Community Meeting

May 23, 2022

Agenda



- Overview
- Project Drivers and Benefits
- Scope of Work
- Project Schedule
- Questions

Crest & Hill Mutual Pressure Zones



Crest & Hill Mutual Facilities

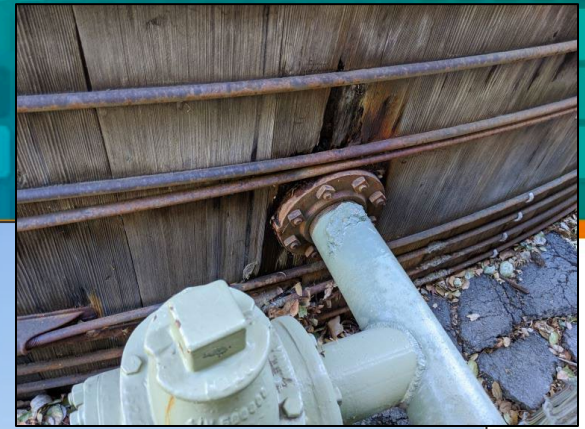


CASTLE CREST

Crest Pumping Plant



Crest Reservoir



Hill Mutual Pumping Plant & Pressure Tank



Pumping Plant



Pressure Tank



Project Drivers



Four Aging Facilities

1. Crest Reservoir
2. Crest Pumping Plant
3. Hill Mutual Pumping Plant
4. Hill Mutual Pressure Tank

Challenges

- Limited capacity for fire flows & power outages
- Reservoir wood rot, leakage, not seismically anchored
- Pump motors need replacement, pipe corrosion, drainage issues
- Safety and access issues for EBMUD staff

Holly Pressure Zone Improvements



Project Benefits

- Improved Water Pressure
- Greater Reliability and Resiliency
 - Holly Reservoir: 2 million gallon tank provides service from gravity (not a pressure tank)
 - Improved Fire Flows
 - Improved Reliability During Power Outages

Crest & Hill Mutual Pressure Zones



Crest & Hill Mutual Facilities

Holly Reservoir

Holly Pressure Zone Improvements



Demolish Old Facilities

Final Road Restoration

Rezone 55 Customers

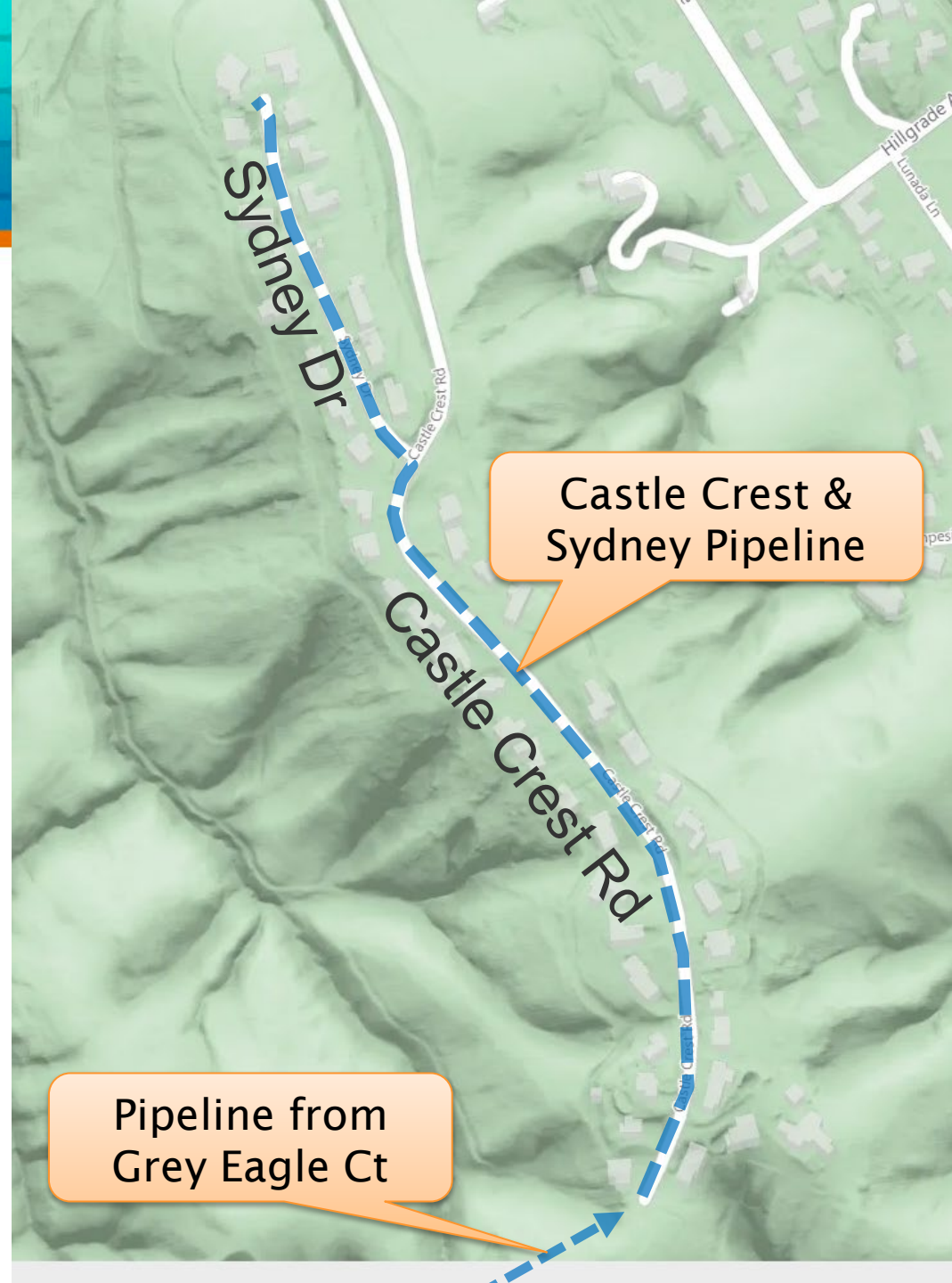
~5,000 ft New Pipeline

Holly Reservoir

Castle Crest & Sydney Dr

Pipeline Scope of Work

- EBMUD crews
- Ductile Iron Pipe
- 2,700 ft of 8-inch
- 400 ft of 6-inch
- 55 Services
- 5 Hydrants
- Customer rezoning



Why is a Pressure Reducing Valve (PRV) Needed?



- When rezoning customers to a higher pressure zone, the water pressure must be reduced below 80 psi, per the Uniform Plumbing Code, to protect waterlines and appliances in your home.
- Water pressure will increase 40 psi, resulting in customer pressures from about 80 to 120 psi.



What is a PRV?

- A valve that regulates or reduces the water pressure for the houseline and irrigation line
- Model - Wilkins 600XL is lead-free bronze body and bell housing
- Standard reduced pressure setting is between 50-75 psi
- Typically installed on the houseline going into the home between the hose bib and the shut-off valve



PRV Installation and Rezoning Process



- EBMUD notifies customers & requests consent to install PRV's
- Customers return signed agreements to EBMUD
- EBMUD hires plumber & notifies customers of selected plumber
- Plumber coordinates with customers for PRV installation
- Plumber will adjust PRV's to about 70-75psi and fix any leaks
- PRV warranty is 12-months

AGREEMENT FOR INSTALLATION OF PRESSURE REGULATOR

Please respond by checking the appropriate box and returning this form to EBMUD in the enclosed stamped, self-addressed envelope to:

East Bay Municipal Utility District
M/S #701
P. O. Box 24055
Oakland, CA 94623

AGREEMENT FOR INSTALLATION OF PRESSURE REGULATOR

I have read your letter dated *May 17, 2022*, concerning the water pressure change to my property, «*Address*», *Alamo*, and understand that the pressure will be increased within the next six months. I further understand that East Bay Municipal Utility District (EBMUD) will not be responsible for any damage that occurs as a result of my decision not to have a pressure regulator installed.

- I request that the EBMUD plumber contractor install a pressure regulator on my water line at EBMUD's expense. I understand that any plumbing work associated with said regulator installation will be warranted for a period of one year by the installing plumber contractor, and that after said one year period, maintenance or replacement of the regulator will be my responsibility.
- I decline EBMUD's offer to install a pressure regulator on my water line at EBMUD's expense. I understand that it is my responsibility to install or have installed a pressure regulator by September 30, 2022. Additionally, I understand that any future maintenance or replacement of the pressure regulator is also my responsibility.

Signature

Date

Residence/Business Address

City

Typical PRV Installation



Project Schedule



| ACTIVITY | SCHEDULE |
|---|--------------------------------------|
| Grey Eagle to Castle Crest Pipeline | August 2022 |
| Castle Crest & Sydney Pipeline, Customer Rezoning Work | September - October 2022 |
| Demolition of Facilities | Summer 2023 |
| Final Pavement Restoration | After Demolition Project is complete |

QUESTIONS?

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