

Sewer Authority Mid-Coastside
SAM

Force Main Replacement Project

Construction Progress Update

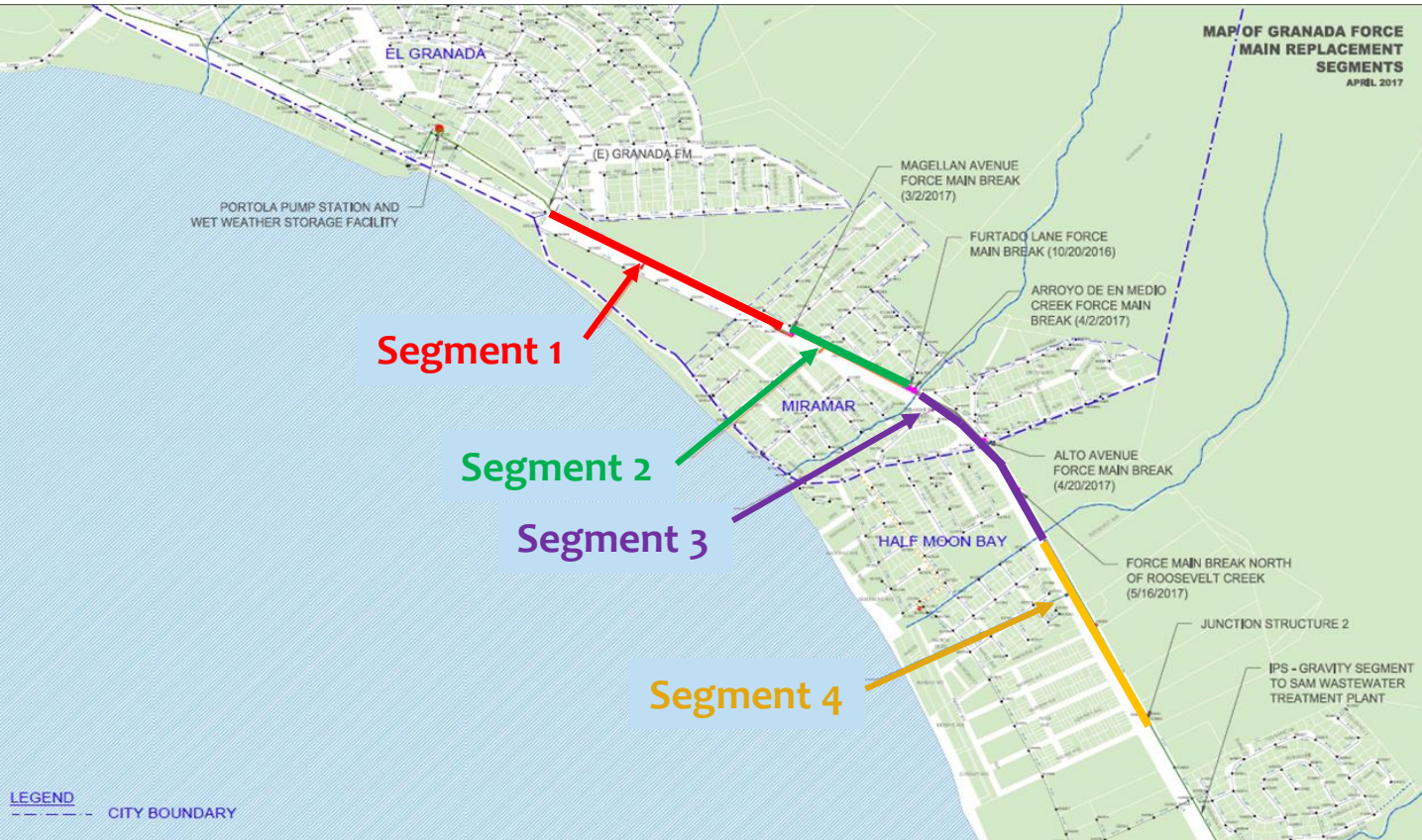
Major Tasks of This Project



- Install 12-inch diameter temporary bypass pipeline
- Replace approximately 5,700 linear feet of 14-inch inside diameter ductile iron force main with a 14-inch inside diameter High Density Polyethylene (HDPE) pipe
 - *Conventional cut and cover construction – 3746 linear feet*
 - *Horizontal directional drilling (HDD) – 1960 linear feet*



Scope of Work (Segments 1 – 3)



Location of SSOs



- Segment 1: Magellan – March 2, 2017
- Segment 2: No breaks
- Segment 3: Furtado Lane – October 20, 2016
Arroyo De En Medio Creek – April 2, 2017
Alto Avenue – April 20, 2017
Roosevelt Creek – May 16, 2017
- Segment 4: No breaks



Project Schedule



Construction began early:
December 2017

Completion date:
April 2018



← 5 MONTHS →



Work Completed to Date



- New Force Main functional between STA 39+00 and STA 74+00 (Rocket Farms)
- Temporary bypass installed and functioning between STA 17+00 and STA 39+00. Permanent Force Main between these stations will be completed by March 31
- Landscaping and surface restoration will begin in March





Chronological Photo Summary of Work Completed To Date



Temporary and Permanent Pipe Delivered



Temporary Bypass Pipeline Installed Above Ground



Temporary Pipeline Connected to Existing Force Main at Bypass Valve Vaults



Bypass Valve Vault STA 39+00

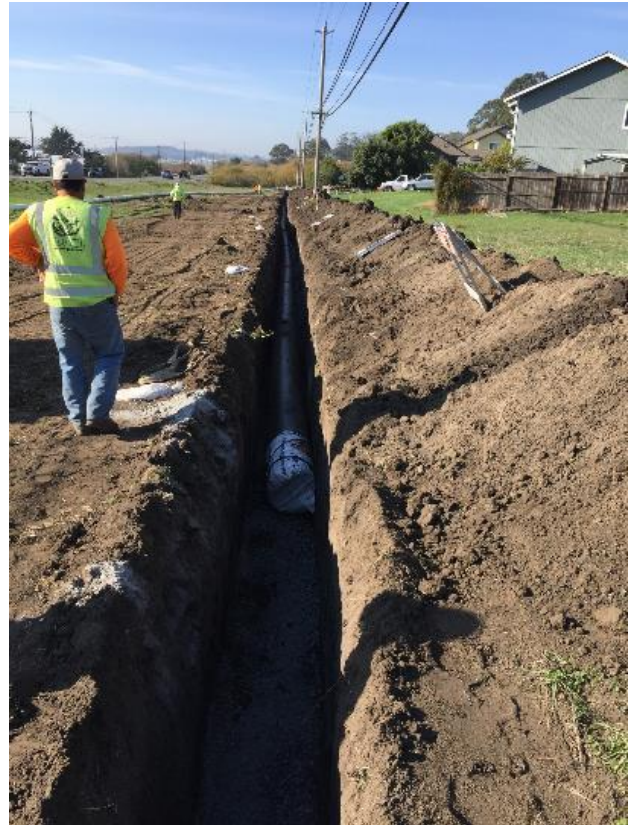


Bypass Valve Vault STA 74+00

Fusing and “Stringing” New Force Main



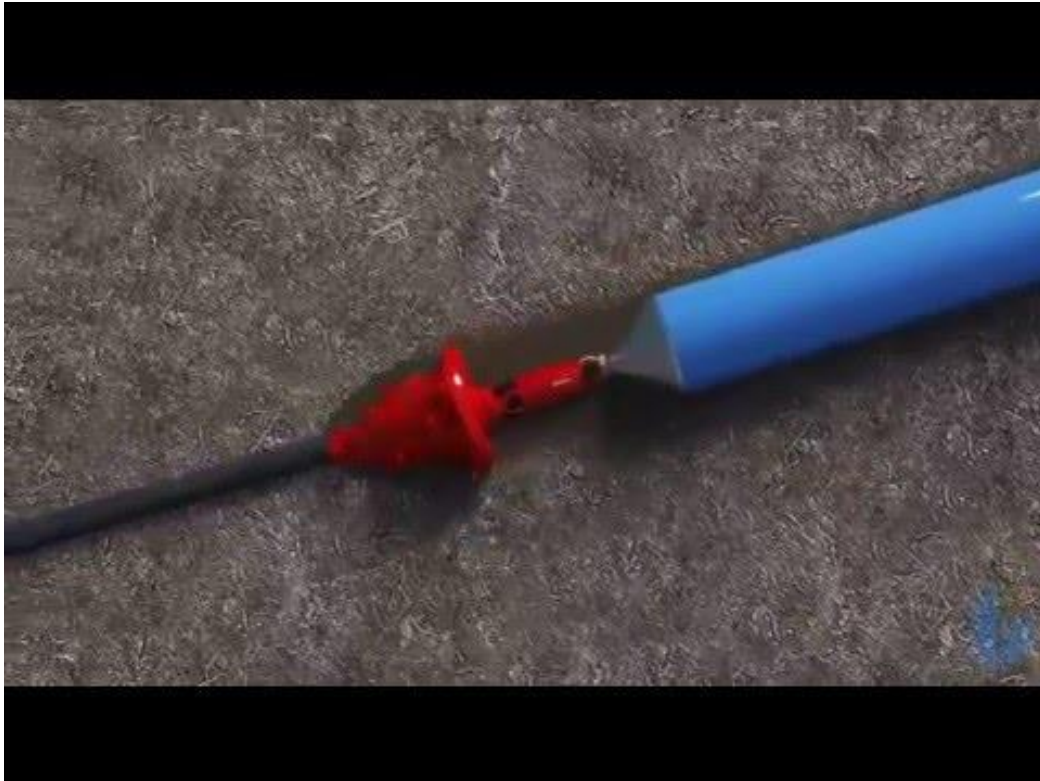
Excavation and Burial of New Force Main



Burying New Force Main



Horizontal Directional Drilling (HDD) Overview



Source: <https://youtu.be/5x3QilQB5kk>

HDD Equipment On Site



Bentonite Drilling Fluid Captured and Reused



New Pipeline Pulled Through Pilot Bored Hole



Electrofusion of Direct Buried and HDD Pipeline Segments



Questions?



Your Sewer Fees

SAM Force Main Replacement Project

Project Funding Provided By:



Granada Community Services District



Montara Water
and Sanitary District

Contractor: Bay Pacific Pipelines Inc.

If you have any questions, please contact (650)726-0124.