An aerial photograph of a coastal area. The left side shows the ocean with waves crashing onto a sandy beach. To the right of the beach is a residential neighborhood with houses and streets, outlined in a bright cyan color. Further inland, there are green fields, a road, and some industrial or commercial buildings. The overall scene is a mix of natural and developed land.

CARMEL MEADOWS GRAVITY SEWER REPLACEMENT PROJECT

REASON FOR THE PROJECT

- Trunk Sewer that Serves most of the Carmel Meadows neighborhood
- 6" diameter
- 67-year-old ductile iron
- Above-ground section is corroding on the exterior and interior
- Several of the stilt supports are corroding
- Tree roots have grown around the pipe
- Associated manholes are also deteriorated
- District's number one repeat SSO offender
- Difficult access for maintenance of sewer



SUMMARY OF PAST EVALUATIONS

- First evaluated in 2003 by HDR Engineering
- Technical memorandum in 2013 by Kennedy/Jenks Consultants
- Feasibility study in 2019 by SRT Consultants
- Environmental Permitting by WRA Environmental

PAST ANALYSIS OF ALTERNATIVES



Kennedy/Jenks Consultants
CARMEL AREA WASTEWATER DISTRICT
CARMEL MEADOWS GRAVITY SEWER

ALTERNATIVE ALIGNMENTS
JULY 2013

(FWY) 1399011\FIG-02

FIGURE 2

REPLACE IN KIND ALTERNATIVE WAS DISQUALIFIED

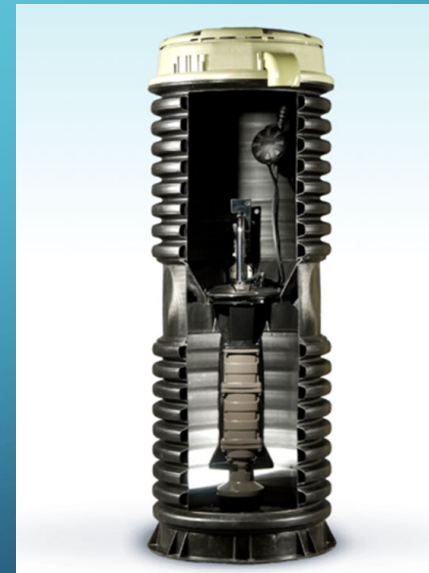
- Environmentally sensitive
- Riparian habitat/lagoon is currently at the base of pipeline supports
- Cal-Trans Mitigation Bank Property
- Potential State Park's opposition
- Unstable hillside
- Imminent flood damage to pipeline supports once Carmel River Free Project is completed

PROPOSED ALTERNATIVE



PROJECT OUTCOME

- Improved maintenance & access
 - No State Park issues
 - No Caltrans issues
 - No flooding issues
 - Reduces environmental impacts
- 4 high quality ejector pump stations

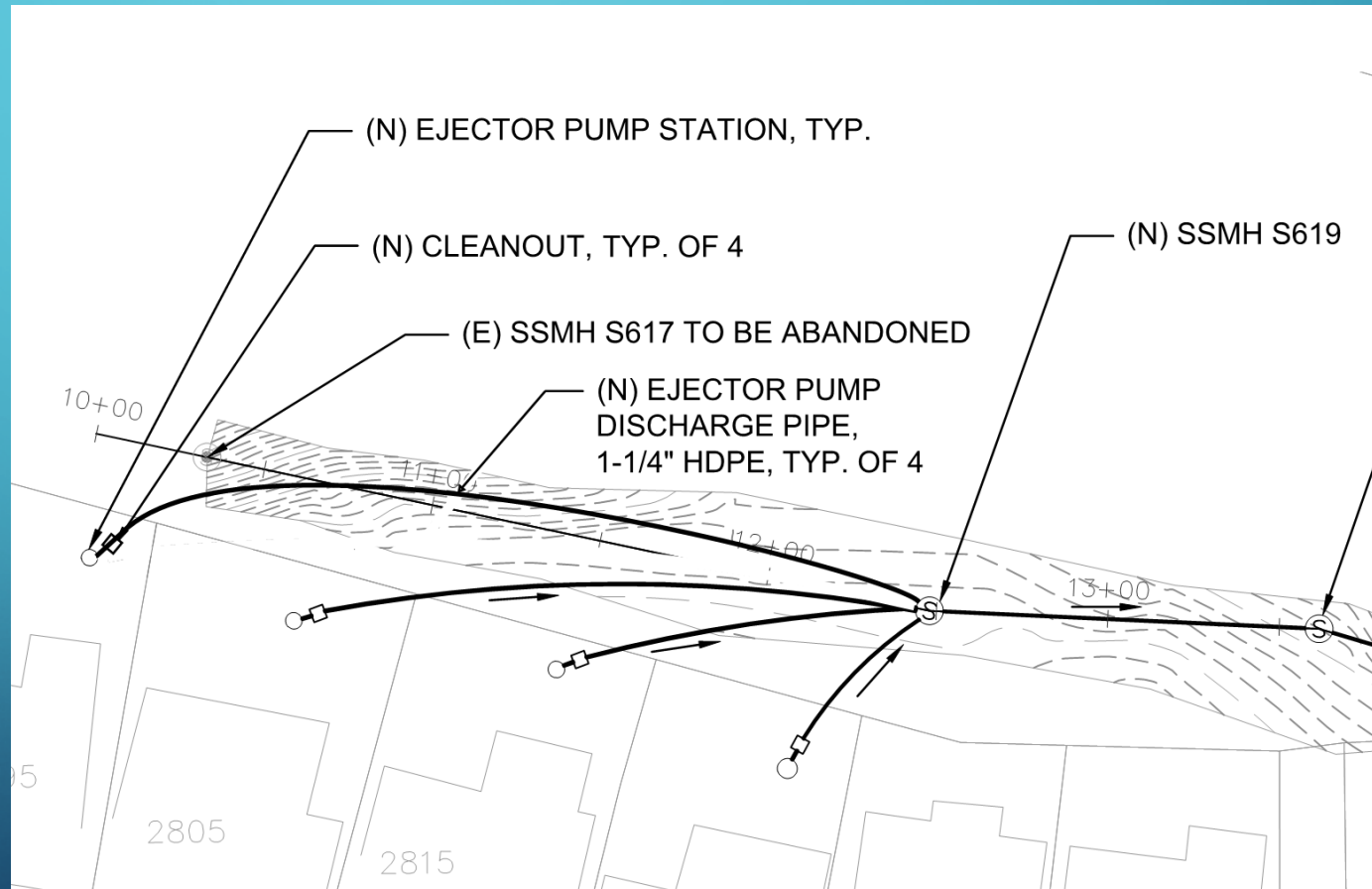


PROPOSED EJECTOR PUMP STATION LOCATIONS

Due to the abandonment of the existing trunk line, 4 homes on Ribera Road can not flow by gravity.

- Homes affected:

- 2795 Ribera Road
- 2805 Ribera Road
- 2815 Ribera Road
- 2825 Ribera Road



PROPOSED EJECTOR PUMP STATION POLICY FOR THIS PROJECT

- Ejector pumps are widely used and there are over 80 in use within the District.
- District will furnish the 4 ejector pump stations and the homeowners will own them.
- We are recommending that the District maintain them until the property is sold or 20 years whichever comes first.
- The new owner will assume maintenance at that time, which other customers with ejector pumps do already.
- An official policy is being drafted for Board approval.

NEXT STEPS

- Complete detailed design to 100% after Environmental Review is completed
- Draft Initial Study/Mitigated Negative Declaration (IS/MND) is currently being publicly circulated
- Finalize the policy for residential ejector pump stations
- County Encroachment Permit
- Coastal Permit

The image features a blue gradient background with white circuit-like lines in the corners. These lines consist of straight paths that branch out and terminate in small circles, resembling a stylized PCB or network diagram. The lines are most prominent in the top-left, bottom-left, and bottom-right corners, with a few lines also visible in the top-right corner.

QUESTIONS