

MILES CROSSING VACUUM SEWER SYSTEM PROJECT

MILES CROSSING SANITARY SEWER DISTRICT, OREGON

KEY PROJECT HIGHLIGHTS

- New coastal community sewage collection, treatment and disposal system
- Replaced existing failing on-site septic tank/drainfield systems
- Eliminated long-term environmental degradation and public health hazard
- Largest vacuum sewer system in Oregon – serves 900 residents
- Central vacuum station collects sewage
- Raw sewage pumped to City of Astoria for treatment and disposal
- Construction cost - \$8.3 million
- Removed impediment to community economic growth
- Resulted in substantial building activity and planning for development within District

PROJECT AWARD

- 2010 APWA-OR Project of the Year - Honorable Mention



1. The problem: Failed septic systems



2. Installation of a valve pit that typically serves up to four homes



3. Vacuum mains use smaller diameter pipes installed in shallow, narrow trenches



4. Horizontal directional drilling of force main under Youngs Bay



5. Vacuum pipe and pipe bridge over Jeffers Slough



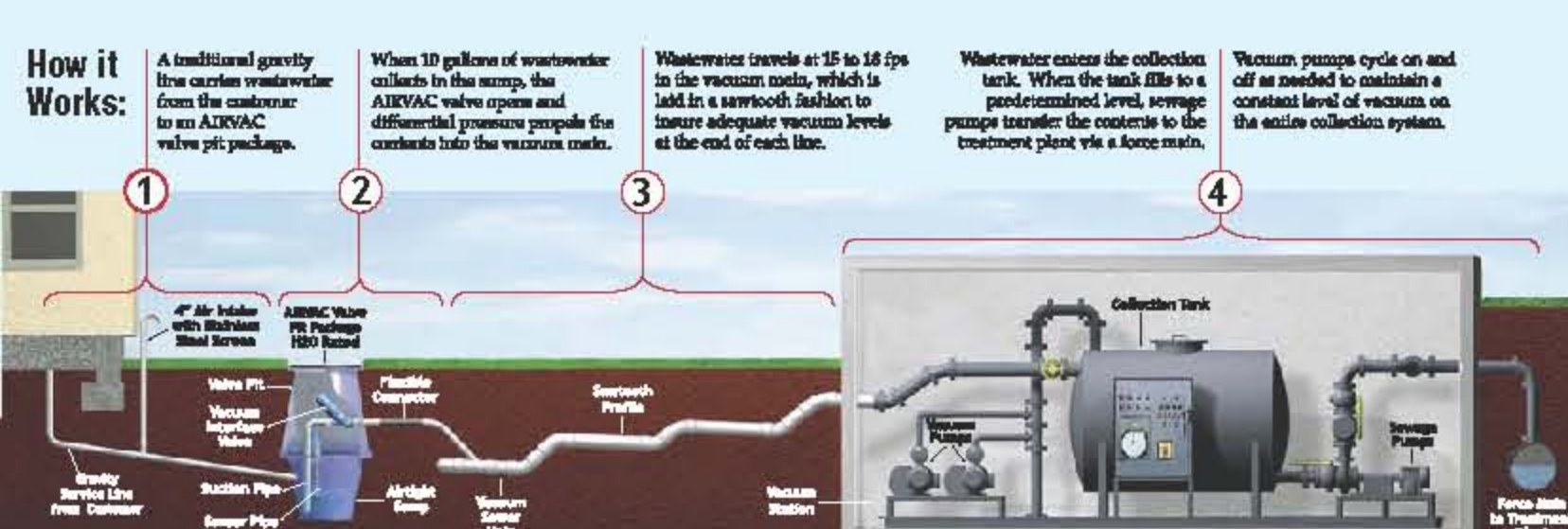
6. The skid-mounted equipment is placed into the vacuum station building



7. Installed sewage pumps and piping in lower level of pump station



8. The vacuum station building is designed to fit the characteristics of the surroundings



9. Project team gathered for the ribbon-cutting ceremony in June 2010



Construction Contractor:
R&G Excavating, Inc.



Committed to the future of rural communities.