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Contact: Kristie Nackord
t. (707) 579.0388
e. kristie@gvalley.com
www.gvalley.com

Sustainable Technology Project of the Year Award Bestowed to Green Valley Consulting Engineers and the City of Sebastopol—City of Sebastopol Laguna Force Main Project recognized for its excellence in sustainability

(Santa Rosa, CA) - Green Valley Consulting Engineers was bestowed the **2011 Outstanding Sustainable Technology Project of the Year Award** from the [American Society of Civil Engineers \(ASCE\) San Francisco Section](#) for Laguna Force Main Project located in the City of Sebastopol.



The Project was awarded to [Green Valley](#) by the City of Sebastopol in 2007 and commenced with extensive environmental studies with construction completed in 2010. The Project included design and construction of over one mile of sewer main in and adjacent to the environmentally sensitive area of Laguna de Santa Rosa Wetlands near State Highway 12.



Honored in part for the innovative and cutting edge implementation of a Vortex Flow Insert – sustainable and revolutionary technology designed to eliminate corrosive and odorous hydrogen sulphide emissions in sanitary sewer systems. Unique to standard pipeline projects, the equipment operates without an energy source – it is completely passive. The project was also recognized for its use of trenchless pipeline construction methods and use of fusible High-Density Polyethylene (HDPE) pipe in an alternative pipe installation



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method.

Additional design features included the mitigation of seasonal wetlands via purchase of mitigation banks, a jack and bore crossing of State Highway 12, and working under the jurisdiction of at least six different municipalities and regulatory agencies, including the City of Sebastopol, the City of Santa Rosa, the County of Sonoma, the Sonoma County Water Agency, Caltrans, The Department of Fish and Game, the U.S. Army Corps of Engineers and the North Coast Regional Water Quality Control Board.

Mr. Frank Sana, P.E, chairman of the awards committee stated, *"As a reviewer what impressed me was the complexity of the project due to technical, environmental, and regulatory issues as well the vision of the design team and the City of Sebastopol to incorporate all environmental and sustainable aspects of the challenges. I think this project could have been a winner for several categories"*.

[Green Valley Consulting Engineers](http://www.gvalley.com) is a Santa Rosa, CA. civil engineering, land surveying, construction management/inspection and landscape architecture firm dedicated to serving its communities through creative, innovative, environmentally responsible, engineering solutions. Green Valley was founded in 1997 by Elizabeth Ellis, P.E. and will be celebrating its 15th Anniversary in 2012. For more information, please visit www.gvalley.com.

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