



# City Hall Sustainable Education Garden Update

City Council Meeting  
June 13, 2017

Deb Lane, Water Resources Representative - Water Resources  
Heaven Moore, Supervising Engineer - Storm Water and Creeks

# Purpose of the Project

- **Create** a water efficient landscape and hardscape low impact development project
  - Improve water quality in Santa Rosa Creek
  - Reduce landscape water need
- **Reflect** the City's development standards for stormwater management and water-use efficiency
- **Demonstrate** sustainable landscaping best practices
- **Educate** the public and professionals
- **Beautify** City Hall Campus!

# Progress

- City Council approved the acceptance of the grant award on September 23, 2014
  - Grant award amount \$806,174
- Construction contract awarded to Siri Grading and Paving by City Council on June 21, 2016
- Construction began on August 8, 2016
- Project is successfully nearing completion

# Project Highlights

- 2,200 gallon rainwater harvesting system operational
- State of the art irrigation technology installed
- Storm water features in the landscape and parking lot intercepting runoff
- Educational signage installed
- Permeable concrete pathways and gathering area complete
- 2-3 min short film and 60-second sizzle reel under development

















# Educational Sign Program

**Valley Oak**  
*Quercus lobata*

70'

CITY of SANTA ROSA SUSTAINABLE EDUCATION GARDEN

City of **Santa Rosa**

## SUSTAINABLE EDUCATION GARDEN

Landscape in harmony with the environment | Jardín en armonía con el medio ambiente

**Native plants create wildlife habitat.**  
*Las plantas nativas crean un hábitat para la vida silvestre.*

CITY of SANTA ROSA SUSTAINABLE EDUCATION GARDEN

[srcity.org/cityhallgarden](http://srcity.org/cityhallgarden)

### PARKING LOT BIORETENTION

**1** Permeable concrete around existing storm drain helps collect runoff.

**2** Class 2 permeable rock trench with level helps runoff to the bioretention planter.

**3** Structural soil in bioretention planter allows for storage and infiltration while still providing structural support to the adjacent parking lot.

**4** Plants in the bioretention planter remove pollutants and improve microbial health in the soil.

**5** For very large flood events, the bioretention will fill and the remaining storm water will flow into the existing storm drain system.

**1** Concrete permeable abutment of the entrance of discharge pluvial existerente recoge la escorrentía.

**2** La zanja de piedras permeables de clase 2 con ferro frena la escorrentía hacia las jardines de bioretención.

**3** El suelo estructural en las jardines de bioretención permite el almacenamiento y la infiltración a la vez que proporciona soporte estructural al estacionamiento adyacente.

**4** Las plantas en el jardín de bioretención eliminan los contaminantes y mejoran la salud microbiana del suelo.

**5** En caso de episodios de inundación muy grandes, el jardín de bioretención se llena y las aguas pluviales restantes fluyen hacia el sistema de drenaje pluvial existente.

Funding for this project has been provided in part by **Water Boards**

- June 20<sup>th</sup>, 10am – 11:30am
- Questions?

