



Coca-Cola Wichita Stormwater Replenish Project

Wichita, Kansas

October - December, 2012

Continuing from successful stormwater BMPs installed at its Lexington facility, Coca-Cola hired the EcoGro / Ridgewater team to design and construct stormwater improvements at its Wichita, Kansas distribution facility. The property had suffered from persistent problems with stormwater runoff. Because of undersized roof drains and storm sewers, water was standing in the building, on the parking lot and flooding truck dock wells. The EcoGro team upgraded the storm drainage system and installed a massive ¾ acre rain garden. This stormwater BMP is built to treat runoff from over 5 acres of the property’s impervious surfaces. A selection of native Kansas grasses and wildflowers will filter out non-point pollutants washing off the various parking lots surfaces and rooftop.



Project Statistics

- 5.2 impervious acres (8.1 acres total) drain to the rain garden.
- Rain garden area is 0.75 Acres.
- Water Quality Volume (1.2” rainfall) = 161,900 gallons.
- Total storage volume = 516,100 gallons.
- An estimated 4.6 million gallons of runoff will be captured to replenish groundwater supplies in an average year.



Topsoil and compost blended into the sandy rain garden soil.



Large, natural stones along the border define the no-mow rain garden bed. Erosion control blanket protects soil on the banks.



New roof drain lines from internal roof gutters increased capacity and prevents flooding in the building.

Project Partners: Ridgewater, LLC, Vaughn R. Hill, PE, The Roberts Group

Key Features:

- Design & construction
- Site drainage improvements
- Runoff reduction
- Water quality BMPs
- Rain garden / Bioretention

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