



## NEW ORLEANS GREEN INFRASTRUCTURE

### 1. KELLER LIBRARY

**Address:** 4300 South Broad Street

**Designer:** Eskew+Dumez+Ripple, Spackman Mossop & Michaels

**Stormwater Strategies:** Wetland garden, bioswales, detention basins

**Site Size:** 9,000 sf

**Stormwater Capacity:** 96% of rainfall on site, 58% of stormwater managed on site before it enters the system, 32% reduction of potable water use

**Design Features:** Collects runoff from the roof of the building into downspouts and disperse into the retention garden; filters and clean runoff from parking lot into bioswales; bioswales allow for stormwater to filter slowly, cleaning the water;

### 2. NORA STORMWATER DETENTION LOTS

**Address:** 5019 Press Drive, 5302 Wildair Drive, 8641 Forshey Street

**Designer:** Dana Brown & Associates

**Stormwater Strategies:** Detention lot

**Site Size:** 6,710 sf

**Stormwater Capacity:** 3,000 gallons

**Design Features:** Curb cuts along the street allow for runoff to enter the vegetated site and slowly the water is released into the drainage network through a filter box

### 3. MUSES APARTMENT HOMES

**Address:** 1720 Baronne Street

**Designer:** Mathes Brierre Architects

**Stormwater Strategies:** Rain garden, bioswales, curb cuts, pervious concrete,

**Site Size:** 4.7 acres

**Stormwater Capacity:** 25% decrease in runoff for a 2 Year 24 Hour Storm

**Design Features:** Allows water to infiltrate through the concrete, recharging the groundwater; catching and filtering parking lot runoff; enhances aesthetics;

### 4. BIOINNOVATION CENTER

**Address:** 1441 Canal Street

**Designer:** Eskew+Dumez+Ripple

**Stormwater Strategies:** Bioswales, pervious concrete, water recycling air conditioning unit, underground retention systems

**Site Size:** 1.5 acres

**Stormwater Capacity:** 60,000 gallons of underground retention, 20,000 gallons weekly that the A/C units recycle, 4,900 sf of pervious concrete, 42% reduction of potable water usage, 95% of rainfall on site is managed,

**Design Features:** Stormwater is collected from the building roof into pipes that flow into a 12,000 gallon fountain in the building courtyard; fountain overflow is directed into a bioswale in the parking lot; bioswales and pervious concrete filter water into a crushed stone underground retention system, which then allows groundwater recharge;

### 5. WOODWARD DESIGN+BUILD HEADQUARTERS

**Address:** 1000 S. Jefferson Davis Parkway

**Designer:** Woodward Design+Build

**Stormwater Strategies:** Green roof

**Site Size:** 1,800 sf

**Stormwater Capacity:** N/A

**Design Features:** The roof captures and filters stormwater before dispersing it into the City's sewer system

### 6. CITY PARK WETLANDS

**Address:** New Orleans City Park

**Designer:** Dana Brown & Associates

**Stormwater Strategies:** Wetland

**Site Size:** 2 acres

**Stormwater Capacity:** Drains and filters over 1,010,000 gallons of stormwater

**Design Features:** Catching and filtering site runoff; providing habitat for wildlife; stormwater retention area;





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### 7. L. B. LANDRY HIGH SCHOOL

**Address:** 1200 L. B. Landry Avenue

**Designer:** Eskew+Dumez+Ripple, Daly-Sublette Landscape Architects

**Stormwater Strategies:** Stormwater detention, irrigation tanks, retention ponds

**Site Size:** 5.4 acres

**Stormwater Capacity:** 22,000 gallons of planter capacity, 5,000 gallons of underground tank storage, 67,000 gallons of detention pond storage, 30% reduction in potable water use

**Design Features:** Rainwater is directed into the irrigation tanks that can overflow into detention ponds; harvested rainwater accounts for all irrigation used on the site; detention ponds filter stormwater with native vegetation before it enters the City's sewer system;

### 8. LOWER NINTH WARD PERMEABLE STREETS

**Address:** Deslonde & Tennessee Street

**Designer:** Make It Right Foundation

**Stormwater Strategies:** pervious concrete

**Site Size:** 6 blocks

**Stormwater Capacity:** 30% of the 10 year storm runoff will infiltrate

**Design Features:** Collects runoff from the roof of the building; allows stormwater to infiltrate through the concrete to recharge the groundwater;

### 9. GLOBAL GREEN RAIN GARDENS

**Address:** 409, 413, & 417 Andry Street

**Designers:** Global Green USA, Dana Brown & Associates

**Stormwater Strategies:** Rain garden retention, subsurface retention, native wetland species

**Site Size:** 750 sf

**Stormwater Capacity:** 1,200 gallons

**Design Features:** Stormwater from the nearby residences and adjacent streets infiltrates through the rain garden and stored in a series of subsurface detention cell

### 10. MEDARD NELSON SCHOOL

**Address:** 3121 St. Bernard Avenue

**Designer:** FutureProof

**Stormwater Strategies:** Bioswales, rain gardens, bioretention cells

**Site Size:** 3 acres

**Stormwater Capacity:** N/A

**Design Features:** Catching and filtering site runoff; created an outdoor learning area

### 11. TRI-CENTENNIAL PLACE PARKING LOT

**Address:** New Orleans City Park

**Designer:** Dana Brown & Associates

**Stormwater Strategies:** Rain Gardens

**Site Size:** 2.25 acres

**Stormwater Capacity:** 7,800 sf of Rain Gardens

**Design Features:** Catching and filtering parking lot runoff; enhances aesthetic value;

### 12. DILLARD UNIVERSITY : PROFESSIONAL SCHOOLS BUILDING & STUDENT UNION

**Address:** 2601 Gentilly Boulevard

**Designer:** Dana Brown & Associates

**Stormwater Strategies:** Bioswales, pervious concrete, pervious pavers, bioretention basins, green roof, rainwater harvesting

**Design Features:** Stormwater is collected from the roof and used to irrigate the native plants; stormwater filters through bioswales and into the bioretention pond; harvested rainwater is filtered and used in a plaza fountain;

#### Professional Schools Building:

**Site Size:** 3 acres

**Stormwater Capacity:** 2,800 sf of bioswales, 5,300 sf of aggregate plaza, 8,000 sf of pervious pavers, 1,200 sf of green roof, 400 sf of retention basins

#### Student Union

**Site Size:** 2.7 acres

**Stormwater Capacity:** 87,000 sf of bioswales, 30,000 sf of pervious concrete, 3800 sf of pervious pavers, 28,00 sf of retention basins