WATERWISE NOLA

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;

Download the full compendium at http://waterwisenola.org/resources/

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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 run-off; 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, biorentention 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

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