



JEFFERSON PARISH GREEN INFRASTRUCTURE PLAN

A Sustainable Strategy for Balancing Water

“Jefferson Parish residents are served by an exceptional state-of-the-art drainage system that uses pipes and pumps — and works with nature to protect their property during flood events — advancing a more sustainable approach to more effectively reduce risk to people and property over time.”

The Green Infrastructure Plan...

Supports goals of continued advancement of green infrastructure and low impact development (LID) principles.

- ❑ Reduce flooding and improve environmental quality by slowing, storing, and cleaning high energy runoff
- ❑ Create or enhance public spaces
- ❑ Overcome technical, regulatory, and institutional obstacles

Explains high-risk hazards and other challenges.

- ❑ Subsidence
- ❑ Increased flood risk
- ❑ Increasing rain events

Presents solutions at an individual and community scale to reduce instances of nuisance flooding, prolong the life of gray infrastructure, lessen the likelihood that flooding will continue to worsen due to subsidence, and reduce the flooding impacts of hurricanes.

- ❑ Permeable pavement and paving alternatives
- ❑ Rain barrels, native plants, and detention ponds
- ❑ Other best management practices (BMPs)

Establishes recommendations and next steps.

- ❑ Adopt policies or programs aimed at integrating green infrastructure development into current processes and systems Parish-wide
- ❑ Amend development regulations and processes to decrease stormwater runoff, enhance public and private spaces, and improve on site design techniques and low impact development practices.
- ❑ Support improved project planning, the creation of sustainable funding sources, and enable more competitive green infrastructure project designs

A results-oriented stormwater management strategy to support local drainage by balancing water.

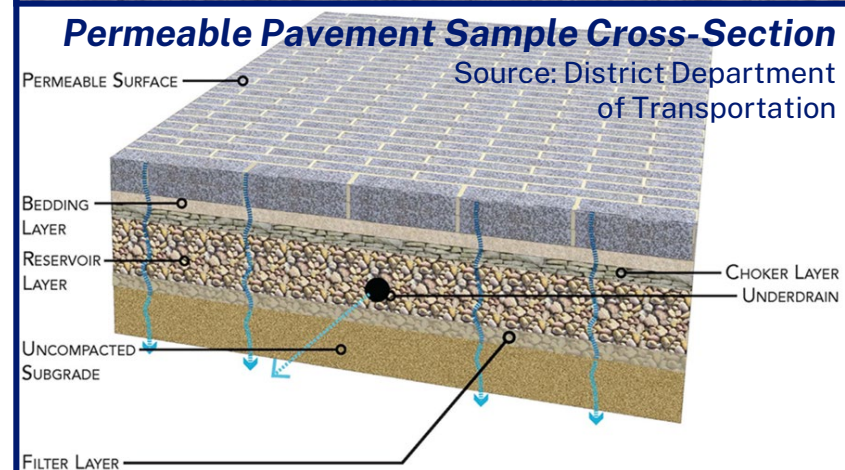


Parish Pump Station



Detention Area

Source: New Orleans Redevelopment Authority



Permeable Pavement Sample Cross-Section

Source: District Department of Transportation



Retention Area



Takeaways

Impervious development exchanges slower natural processes for an engineered system of culverts and canals.

This results in larger volumes of water moving across the impermeable surface, and if the system capacity is exceeded can cause flooding, water quality issues, increased erosion, and decreased groundwater storage.

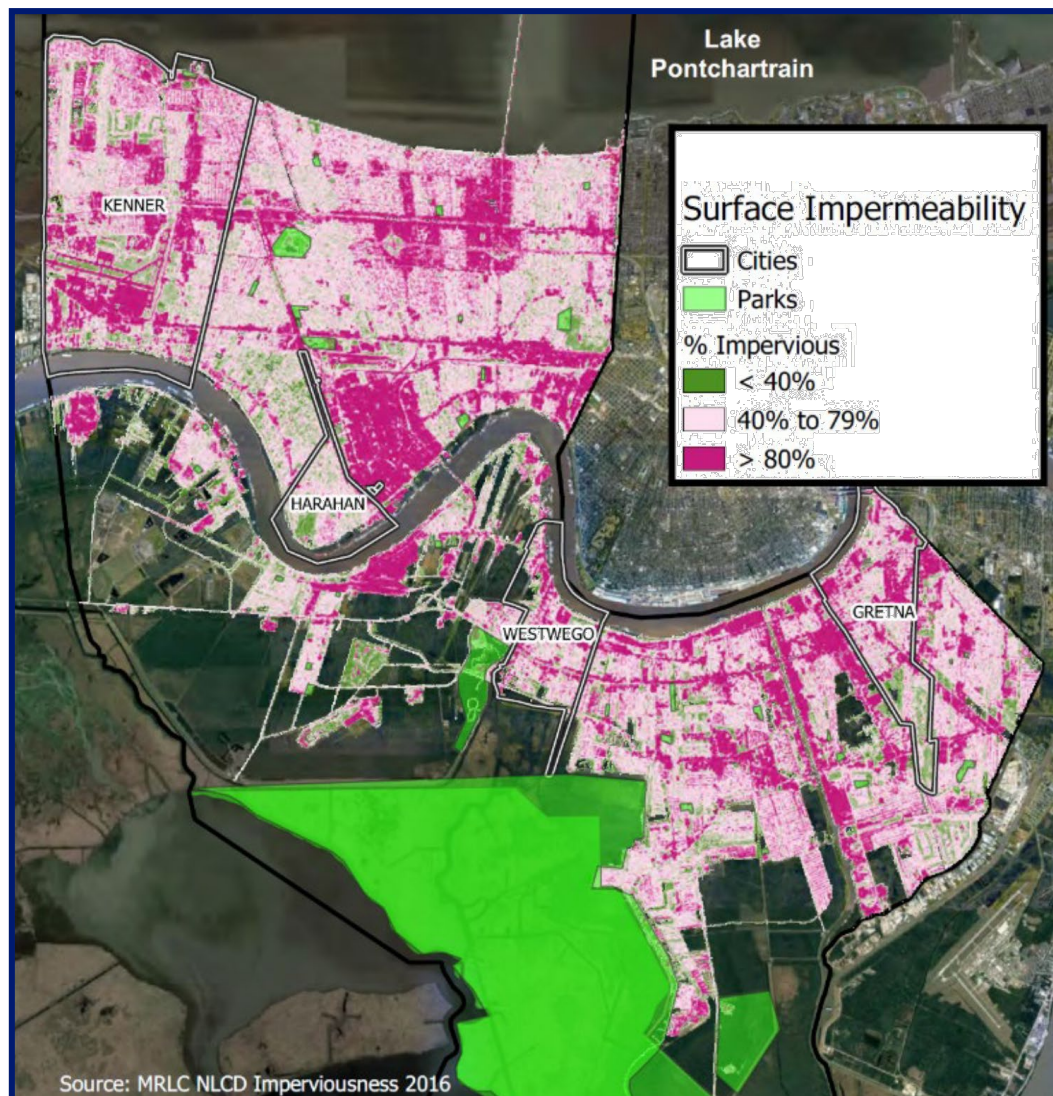
Floods have been, and continue to be, the most frequent, destructive, and costly natural hazard facing Jefferson Parish.

There have been **54** recorded floods in the Parish from January 1996 through May 2018.

Employing green infrastructure measures consistently on-site and/or within public places, could significantly improve nuisance flooding.

Opportunities

- Peel back pavement where practicable
- Review and integrate green infrastructure elements into public projects
- Encourage “simple solutions” for stormwater management
- Support continued outreach, education, and training



Public Project: BayouMetairie Park

Simple Solution: Bioswale along River Road