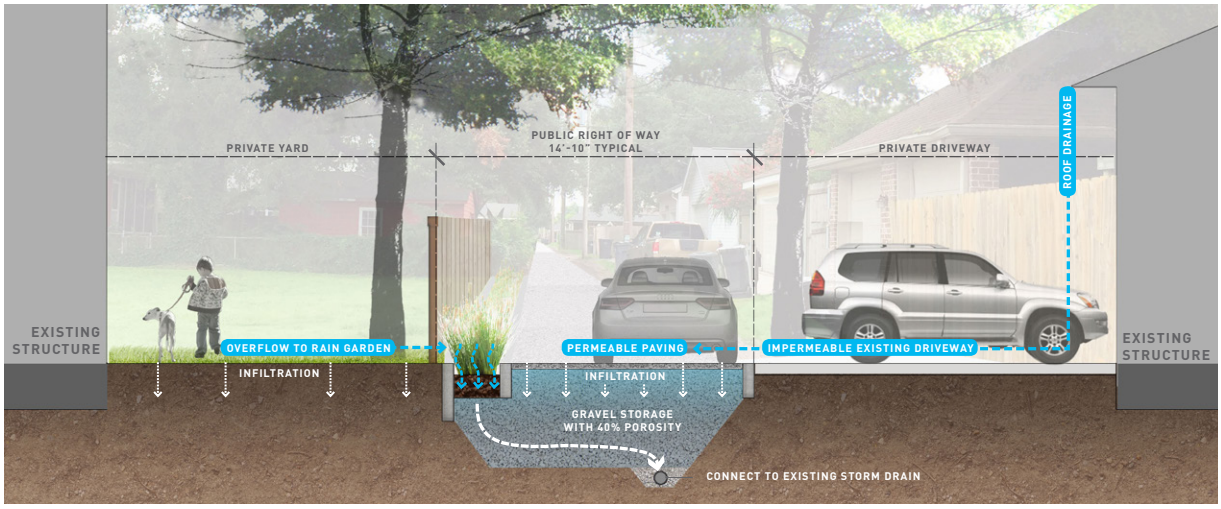
LAKEVIEW DRAINAGE UPDATES & GREEN INFRASTRUCTURE

CITY OF NEW ORLEANS

Factsheet 02/26/2018



Typical proposed alleyway cross section.

OVERVIEW

The project area consists of a 14-square block area in Lakeview bounded by Walker Street, Canal Street, Chapelle Street and Milne Boulevard. Stormwater flows south under Canal Boulevard to Drainage Pump Station (DPS) 7 at Orleans Avenue and Florida Boulevard, where it is pumped into the Orleans Avenue outfall canal that flows north to Lake Pontchartrain.

Using both grey and green infrastructure, the team developed a series of proposals designed to mitigate and reduce chronic flooding in the neighborhood. The selected strategy uses upgraded piping along Milne Boulevard and Wuerpel Street to redirect stormwater from the project area to Drainage Pump Station (DPS) 12 north of the intersection of West End Boulevard and Robert E. Lee Boulevard.

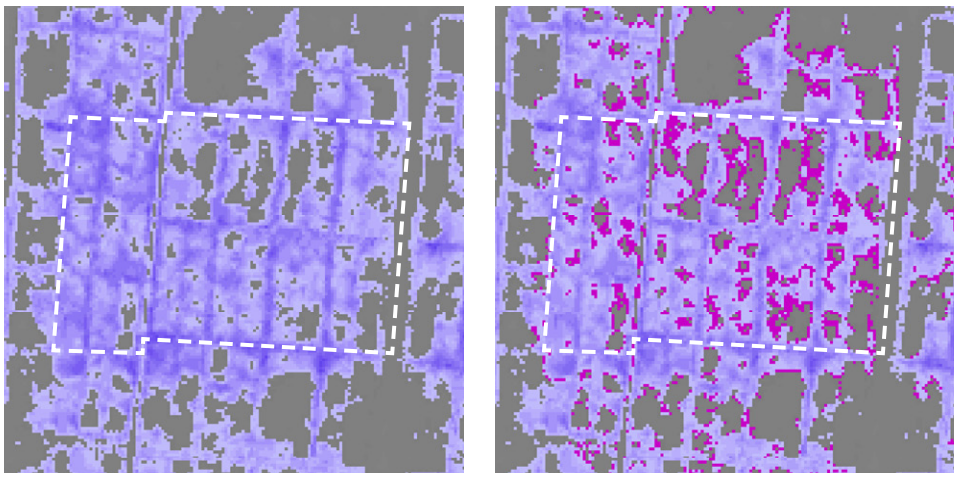
In conjunction with these drainage upgrades, the team is proposing the public alleys located in the blocks bounded by Canal Boulevard, Chapelle Street, Milne Boulevard, and Walker Street will be renovated to capture and slow stormwater before entering the drainage system. Also, a series of green infrastructure improvements will be implemented along Chapelle Street from Canal Boulevard to Milne Boulevard.

BENEFITS

The proposed improvements in the Lakeview project area generate several notable benefits over the existing condition in the neighborhood. Improvements are anticipated to result in an average reduction in the ten-year storm flooding depth. The area benefiting from the proposed improvements extends beyond the project area.

Within the project area, green infrastructure improvements will result in the renovation of the public alleys that many of the area residents use for daily entrance and egress to their homes. Proposed gray infrastructure upgrades along Milne Boulevard and Wuerpel Street will result in the resurfacing of these badly degraded streets, improving traffic and accessibility.

MODEL OF A 2 YEAR STORM EVENT



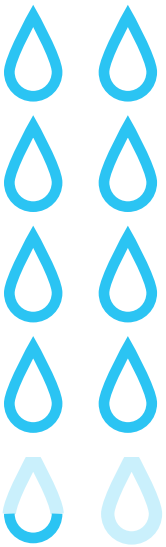
Before *After*

GREY INFRASTRUCTURE IMPROVEMENTS

- Upsizing pipes in Milne Boulevard and Wuerpel Street to 36” & 48” pipes
- Adding connection from project area to Robert E Lee Boulevard

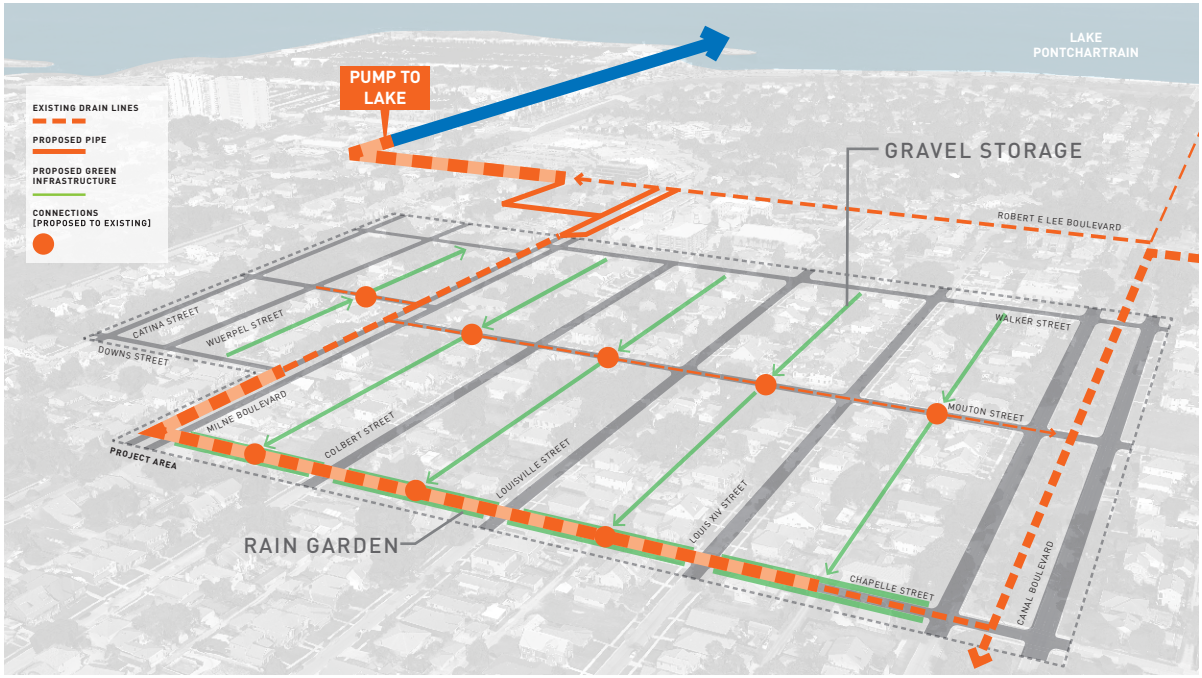
GREEN INFRASTRUCTURE IMPROVEMENTS

- Adding underground gravel storage area in alley ways
- Adding tree planting & grassy rain gardens along Chapelle Street



FLOODING REDUCED

17%



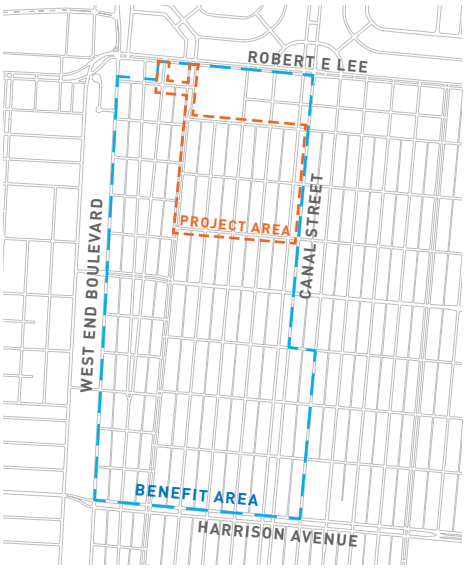
Proposed Drainage System

FUNDING & COST

The city has secured $3.8 million dollars in federal funding from FEMA. FEMA funds are to be used solely for hazard mitigation. This project will use FEMA funds to reduce flood risk from intense rainfall events by relieving pressure on the current drainage system in and around the Lakeview neighborhood. Construction is scheduled to begin July of 2018 and completed by July of 2019.

RESULTS

By rerouting drainage flow from DPS 12 as opposed to DSP 7 provides the best results for a 10-year, 24-hour rainfall, storm event resulting in flooding ranges from approximately 1.18 feet to 2.32 feet.



Benefit Area

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CAPITAL IMPROVEMENT PROGRAM The City and Sewerage and Water Board of New Orleans are working together to implement an unprecedented capital improvement program to restore the City’s damaged infrastructure. Using a combination of local and Federal funds, the $2B program will be the most comprehensive that our region has seen in a generation. Work will include more than 200 individual projects and consist of repairing all or portions of about 400 miles of roadway. Some of these projects may feature Green Infrastructure including retrofitting and/or constructing the street with features such as underground storage, permeable/previous pavement, bioswales and/or rain gardens that combined with the existing drainage system reduces the risk of flooding in higher risk areas. For more information about the Capital Improvement Program, please visit **roadowork.nola.gov**