

Jefferson Parish, Louisiana
Maplewood Area Drainage Improvements
Along 3rd Street

**Project Description for Final Notice and Public Review of a Proposed
Activity in a 100-year Floodplain**

The project is located in Harvey, LA, east of the Gardere Canal along 3rd St., in the Maplewood Subdivision in Jefferson Parish. See attached maps for project limits and service area. The project is located in a 100-year floodplain in a primarily residential area.

This project includes the removal of some of the existing drainage lines and structures, including inlets, and replacement with larger sizes within the public right of ways along 3rd St. to increase capacity. Approximately 695 linear feet of storm drains, and inlets and other structures will be installed.

Construction will involve removal of existing subsurface storm drains, inlets, manholes, and structures, and replacement with new larger storm drains [approximately 672 linear feet of 60” Reinforced Concrete Pipe (RCP) and 23 feet of 24” Reinforced Concrete Pipe (RCP)], inlets, manholes, and structures; replacement of drainage laterals as required; installation of new storm drains, structures, inlets, and replacement of water lines, including system components, as required for drainage work; installation of new junction/conflict boxes as needed; full depth removal and replacement of existing paved areas including roadways, sidewalks, driveways, and handicapped ramps, where required; adjustments/offsets/replacements of existing utilities in some locations where there may be a conflict with the new drainage work; excavation, sheeting, backfill; related appurtenances/work.

The improvements will increase the drainage design capacity but will not change the service area. All work will be done in the existing public right of way, which is approximately 50 feet wide. Property acquisition is not required.

The construction will require excavation which will result in ground disturbance. Once installation is completed, trenches and excavated areas will be backfilled in accordance with Parish design standards.

During construction, the contractor will be required to maintain temporary erosion control. The contractor will also be required to develop and implement a storm water pollution prevention plan.

During Hurricane Isaac, there was a high rain intensity event, that produced storm water runoff that exceeded the capacity of the drainage structures in this area and resulted in street flooding. The purpose and need of the project is to improve existing drainage infrastructure to increase the storm water runoff drainage capacity, which will help to reduce flooding and prevent similar negative impacts from occurring during future storm events like Hurricane Isaac. Flooding results in property damage, displacement, and has an impact on public safety and the environment.

The improvements are expected to have a positive impact on the floodplain due to the increased storm water runoff drainage capacity for the service area. Approximately 6.53 acres of the project's service area are in the 100-year floodplain. Actual construction of the improvements will take place within a total of approximately 1.25 acres in the 100-year floodplain. (See maps) The project is not located in a wetland. The nearest wetland is approximately 1,000 feet from the location of work and no impacts on wetlands are anticipated.

Jefferson Parish has considered the following alternatives and mitigation measures to be taken to minimize adverse impacts and to restore and preserve natural and beneficial values:

Alternative 1: Locate the Project Outside of the Floodplain: The purpose of the project is to upgrade existing drainage infrastructure in the Maplewood Subdivision area along 3rd Street to address flooding that occurred during Hurricane Isaac. The improvements being made will increase storm water runoff drainage capacity of the drainage for the service area. Because of the existing drainage infrastructure layout and hydraulic design considerations, upgrades to the piping segments where shown are required to reduce flooding in the area. The project area is located in the FEMA 100-year floodplain, as are large portions of Harvey. Locating the project outside of the floodplain is not feasible.

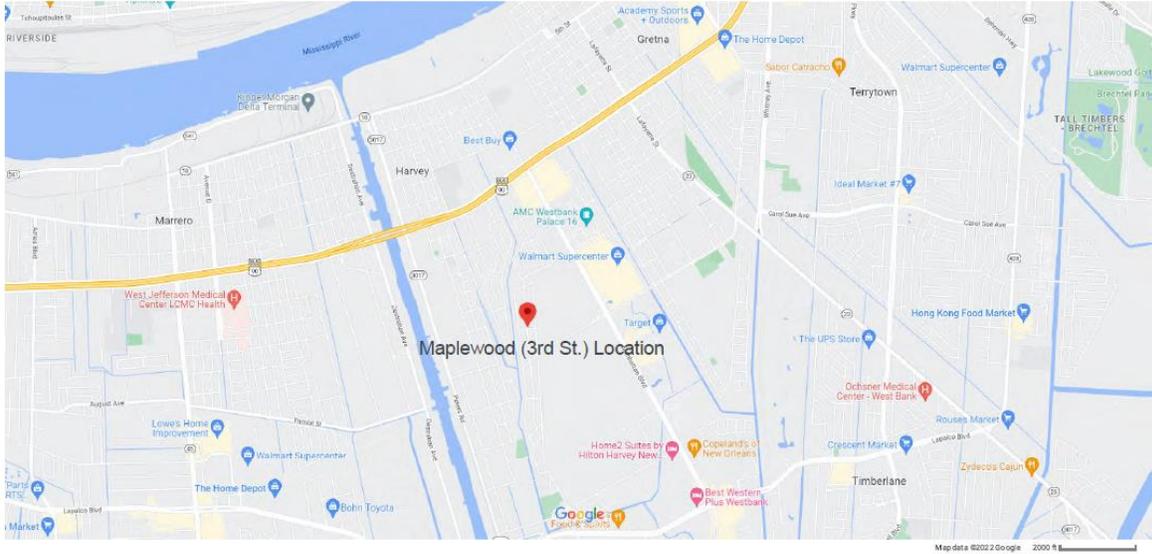
Alternative 2: Alternative method to serve the project objective: An alternative method to serve the project objective was also considered. The objective of the project is to reduce flooding in the project area for future storm events like Hurricane Isaac. An alternative explored consisted of a complete re-design and reconstruction of the drainage system where drainage lines are re-routed so that flow is re-directed to other areas and discharge points. It would also require reworking topography and elevations in the area and will likely require drainage pump stations. This would impact more of the floodplain than the proposed project and would not be cost effective.

Alternative 3: No Action: If no action is taken, then flooding for future events like Hurricane Isaac will not be addressed and reduced. Therefore, the decision to take no action has been deemed as an unacceptable alternative.

Jefferson Parish has reevaluated the alternatives to building in the floodplain and has determined that it has no practicable alternative. Environmental files that document compliance with steps 3 through 6 of Executive Order 11988, are available for public inspection, review and copying upon request at the times and location delineated in the last paragraph of this notice for receipt of comments.

The estimated total project cost is \$1,835,085.00, It is estimated that \$1,000,000.00 will be funded by the HUD Community Development Block Grant Disaster Recovery Hurricane Isaac Program and \$835,085.00 will be non-HUD funds.

Google Maps **Maple Area Drainage Improvements Along 3rd St.** Vicinity Map



Google Maps **Maplewood Area Drainage Improvements, Along 3rd St.**

