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## COMMUNITY DEVELOPMENT

Planning,  
Zoning,  
Building Safety,  
Construction Inspection Services,  
Public Health,  
Housing Inspections,  
Code Enforcement

## MEMORANDUM

**To:** Planning & Zoning Commission Members  
**From:** Andrew Fangman, City Planner  
**Date:** September 1, 2016  
**Re:** Ordinance Amending Chapters Four and Five of Title 10 of the City Code, Floodplain Management Regulations to Incorporate New FIRM Maps

**INTRODUCTION:** FEMA has issued new Flood Insurance Rate Maps for the area protected by the Island Levee. These maps must be officially made part of the City of Muscatine Floodplain Regulations in order for Muscatine residents and businesses to eligible to continue to purchase flood insurance through the National Flood Insurance Program.

### BACKGROUND:

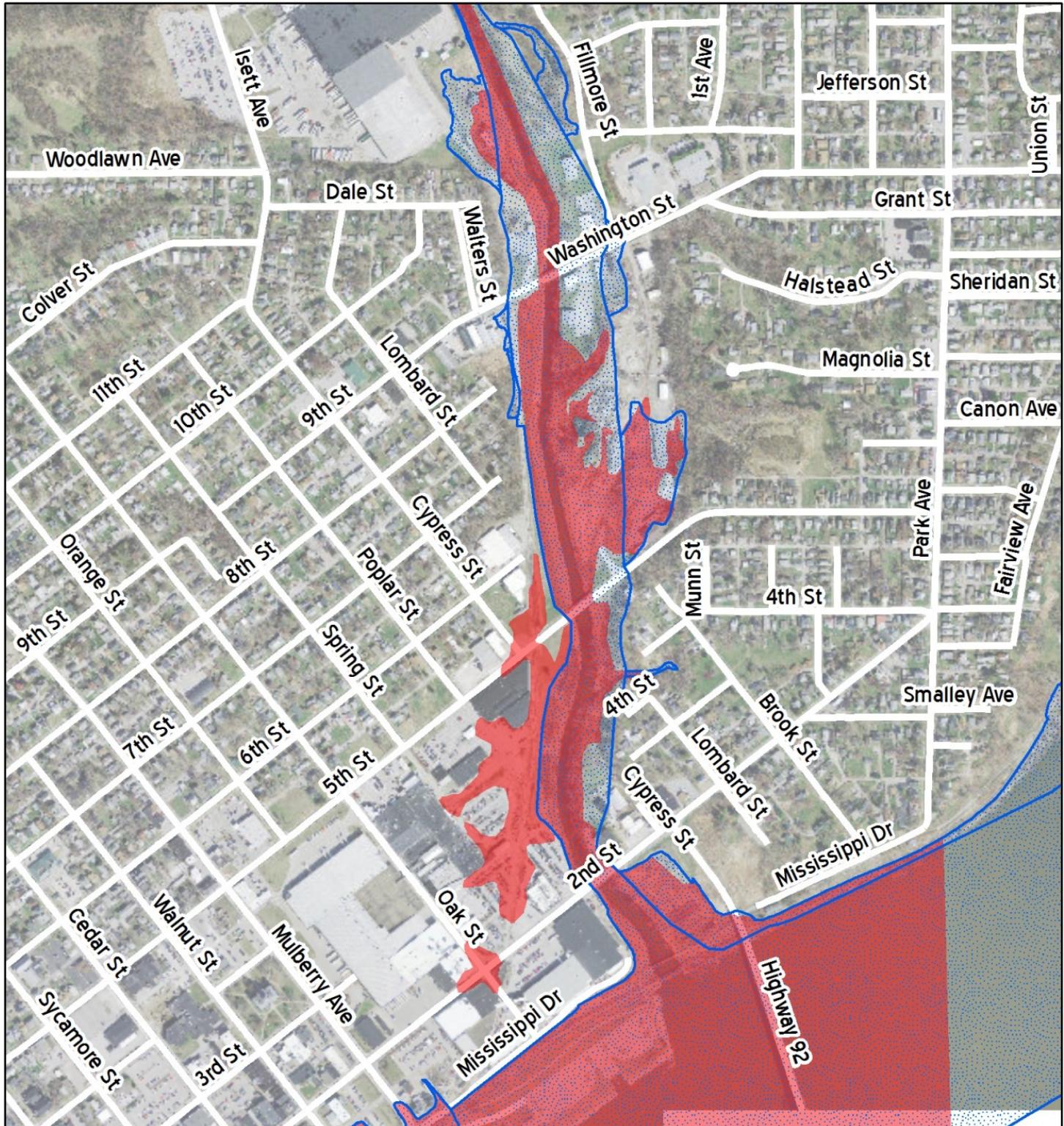
In order allow for City of Muscatine residents and businesses to continue participating in the National Flood Insurance Program, the City of Muscatine must amend its floodplain management regulations by November 4, 2016, to keep them compliant with Title 44 Code of Federal Regulations 60.3. The City of Muscatine's current floodplain management regulations can be found in Chapters 4 and 5 of Title 10 of the City Code of Muscatine. For these regulations to remain compliant with Federal regulations they must be revised to incorporate the recently revised FEMA Flood Insurance Rate Maps (FIRM) that will become effective on November 4, 2016.

As part of the process of accrediting Mad Creek Levee a detailed study of internal drainage ponding was done. Interior drainage ponding is a type of flooding that occurs behind a levee when high water on the river prevents or severely limits the drainage of storm water falling on the area protected by the levee it collects in low-lying areas causing flooding. Data generated as part of this study has led to FEMA making revisions to the FIRM which cover areas protected by the Mad Creek Levee, this includes all of the portions of the City of Muscatine south of Hershey Avenue. The revised FIRM become effective on November 4, 2016. A map on the following page depicts the areas now within Zone A, and thus subject to floodplain regulations.

**RECOMMENDATION/RATIONALE:** Prior to City Council action on the proposed ordinance, a public hearing is required. It is recommended that the attached resolution setting a public hearing on the proposed ordinance revising the City of Muscatine Floodplain Management Regulations to incorporate the revised FIRM with an effective date of November 4, 2016.

### BACKUP INFORMATION:

1. Map
2. Resolution Setting a Public Hearing



## Comparison of Current and New Flood Zone A



Date Source: Muscatine Area Geographic Information Consortium, City of Muscatine & Federal Emergency Management Agency  
 Prepared by: Andrew Fangman, City Planner  
 Date: August 30, 2016

Current Flood Zone A

New Flood Zone A

800 400 0 800 Feet

