



REPORT TO CITY PLAN COMMISSION

Plan Commission Informal Public Hearing Meeting Date: April 27, 2015

Common Council Public Hearing Meeting Date: May 20, 2015

Item: Zoning Ordinance Text and Map Amendment – Floodplain Zoning relating to Section 23-206(b) Official Maps and Revisions

Case Manager: Don Harp

STAFF ANALYSIS

Background: In 2014, the City completed a Wisconsin Department of Natural Resources (WDNR) required owner inspection report of Kensington Pond Dam, which is regulated under Chapter 31 Wisconsin Statutes. Through that process, WDNR identified a requirement for the City to adopt the previously permitted and approved hydraulic shadow for Kensington Pond into its Floodplain Zoning Ordinance. The proposed ordinance revision is intended to meet the WDNR requirement.

- The hydraulic shadow (dark blue line on the attached map) is the area inundated (flooded) by water during a regional flood (100-year rainfall event) if the Kensington Pond Dam were to fail.

PROPOSED ZONING ORDINANCE TEXT AMENDMENTS

- The text recommended to be added is underlined.

ARTICLE X. FLOODPLAIN ZONING

DIVISION 1. STATUTORY AUTHORIZATION, FINDING OF FACT, STATEMENT OF PURPOSE, TITLE AND GENERAL PROVISIONS.

Sec. 23-206. General provisions.

- (b) *Official maps and revisions.* The boundaries of all floodplain districts are designated as floodplains or A-Zones on the maps listed below and the revisions in the City of Appleton Floodplain Appendix. Any change to the base flood elevations (BFE) in the Flood Insurance Study (FIS) or on the Flood Insurance Rate Map (FIRM) must be reviewed and approved by the DNR and FEMA before it is effective. No changes to regional flood elevations (RFE's) on non-FEMA maps shall be effective until approved by the DNR. These maps and revisions are on file in the office of the Division of Inspections of the Department of Public Works for the City of Appleton. If more than one map or revision is referenced, the most restrictive information shall apply.

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Official maps:

- (1) Calumet County Flood Insurance Rate Map (FIRM), panel numbers 55015C0007E, 55015C0026E and 55015C0027E dated February 4, 2009; with corresponding profiles that are based on the Calumet County Flood Insurance Study (FIS), dated February 2009, volume number 55015CV000A.
- (2) Outagamie County Flood Insurance Rate Map (FIRM) panel numbers (55087C0304D, 55087C0308D, 55087C0309D, 55087C0314D, 55087C0316D, 55087C0317D, 55087C0318D, 55087C0319D, 55087C0330, 55087C0338D, 55087C0427D, 55087C0431D and 55087C451D) dated July 22, 2010: with corresponding profiles that are based on the Outagamie County Flood Insurance Study (FIS) dated July 22, 2010 volume number 55087CV000A.
- (3) Outagamie County Flood Insurance Rate Map (FIRM) panel numbers 55087C0328D, 55087C0329D, 55087C0336D, 55087C0337D dated July 22, 2010 and revised August 23, 2013 with corresponding profiles that are based on the Outagamie County Flood Insurance Study (FIS) dated July 22, 2010 volume number 55087CV000A, all revised and annotated pursuant to FEMA Letter of Map Revision Determination Document Case No: 12-05-6032P, Issue Date April 10, 2013, Effective Date August 23, 2013.
- (4) Outagamie County Flood Storage District Map Panel 1 of 2 approved by Wisconsin Department of Natural Resources and dated July 22, 2010.
- (5) LOMR – Case #11-05-7670P, Floodway and Floodplain revisions between Flood Insurance Study (FIS) Cross Section AW to BA, Outagamie County Flood Insurance Rate Map (FIRM) panels 55087C0318D and 55087C0319D, dated July 22, 2010. This reflects changes on the Fox River from just downstream of the Private Middle Dam to approximately 250 feet upstream of the Appleton Upper Dam.
- (6) LOMR – Case #13-05-7920P, Floodplain revisions between Flood Insurance Study (FIS) Cross Section AN to AM, Outagamie County Flood Insurance Rate panels 55087C0319D, dated July 22, 2010. This reflects changes along the south side of the Fox River from the College Avenue Bridge to approximately 850 feet downstream.
- (7) City of Appleton Kensington Pond Dam Break Analysis Hydraulic Shadow, Per Figure F-9 of Dam Failure Analysis and Assignment of the Hazard Rating for Kensington Pond Dam, by Earth Tech, dated January 2008, on file with City of Appleton Department of Public Works.

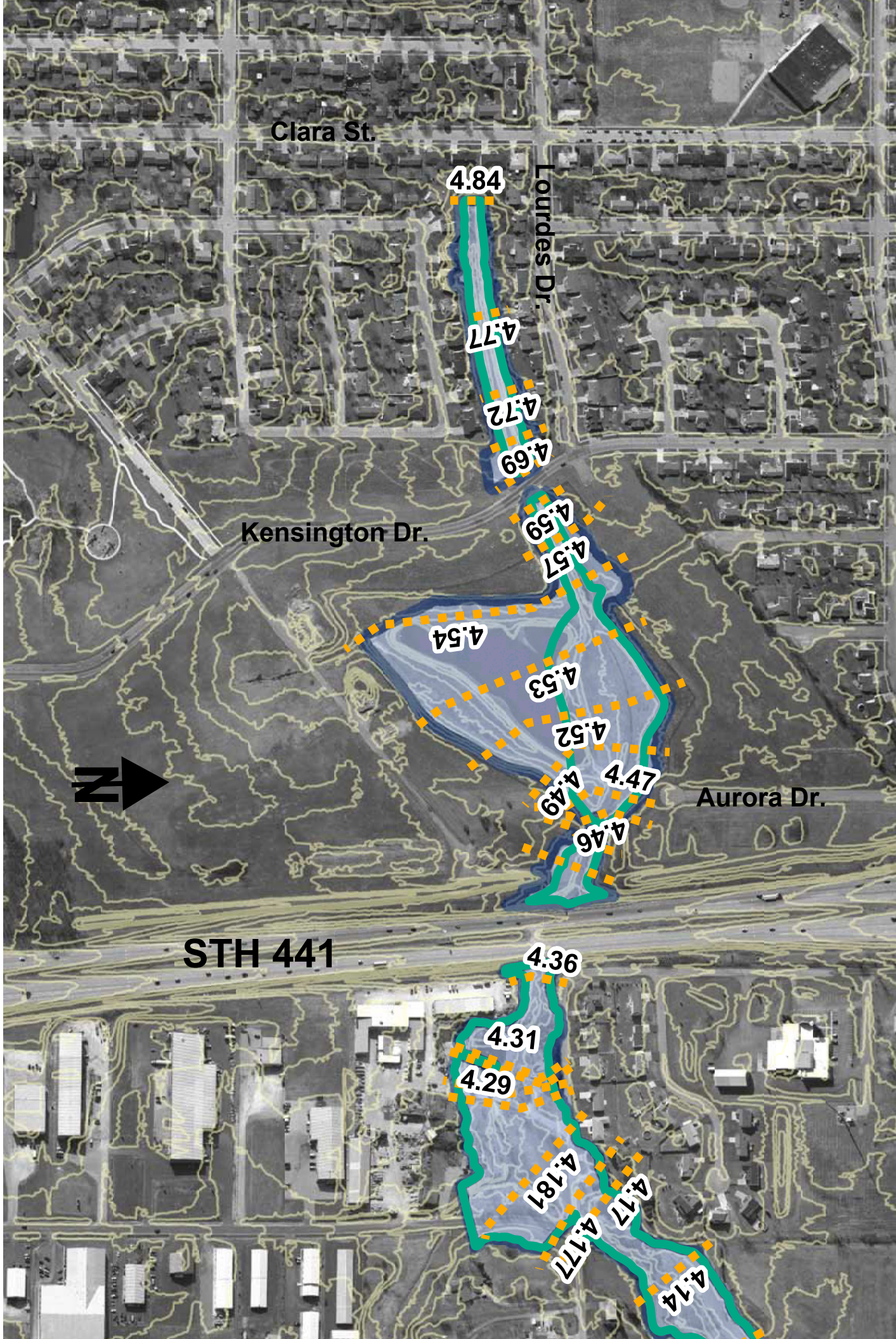
Proposed Amendment to Flood Map

See attached maps.

Technical Review Group Report (TRG): This item was reviewed at the March 31, 2015 Technical Review Group meeting. No negative comments were received from participating departments.

RECOMMENDATION PENDING INFORMAL PUBLIC HEARING TESTIMONY:

The proposed text and map amendments to Article X Floodplain Zoning of Chapter 23 of the Municipal Code, Section 23-206 (b) and (7) Official maps and revisions as identified in this report, **BE APPROVED.**





95346 July 2007

Figure 2
City of Appleton
Kensington Pond Dam Break Analysis
Hydraulic Shadow

Legend

 FIS/Flood Study	 Cross Sections
 Hydraulic Shadow	 Contours

0 250 500 1,000 1,500 2,000 Feet

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