


March 14, 2018

Water Street Mall Renovations

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WATER STREET MALL

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11-13 S. Water St. | Aurora, IL 60506 |

This quaint park is the location of various downtown events and markets.



Aurora Rotary Club IL



La Quinta De Los Reyes



Auroradowntown.org

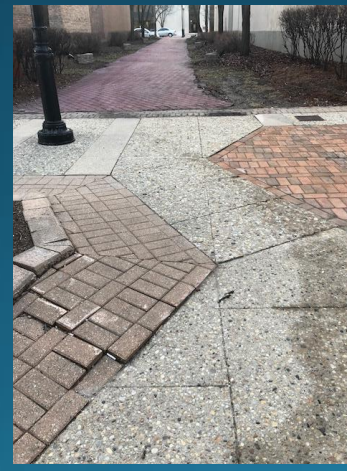


Rayanne Carlson



Charlie Zine

Water Street Mall Renovations



Existing Trees



Risk rating matrix

Likelihood of Failure & Impact	Consequence of Failure			
	Negligible	Minor	Significant	Severe
Very Likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat Likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low



Report Date: March 7, 2018

Client: Ken Schroth – Director of Public Works / City Engineer, City of Aurora

Project: Water Street Mall Renovation

Dates: February 28 @ 3 PM and March 2, 2018 from 11 am to 3 PM Central time

Location: Water Street Mall, Aurora IL.

Tree Species: Honey locust, *Gleditsia triacanthos* (7 trees)

Tree #	DBH (inches)	Estimated Height (ft)	Estimated Crown Spread (ft)
1	17	50	60
2	16	45	50
3	15	50	40
4	14	65	55

Assignment:

Ken Schroth contacted me on February 28, 2018 to discuss a Water Street Mall project and we agreed to meet on site at 3 pm the same day. I met with Ken and Tim Forbes – Supervisors of Street Maintenance City of Aurora to walk the site. I was briefed on the Water Street Mall project plans to remove and replace all existing hardscape (e.g. pavement, brick pavers, curbs, concrete tree edging), including new landscape planters. The new mall will be used as a high traffic retail, festival, event and music venue. I was asked to provide an opinion - based on a post construction circumstance – whether to keep seven (7) Honey locust trees according to the new construction and landscape plans, or have the trees removed.

We walked to mall area and agreed that three (3) trees should be excluded from project scope:

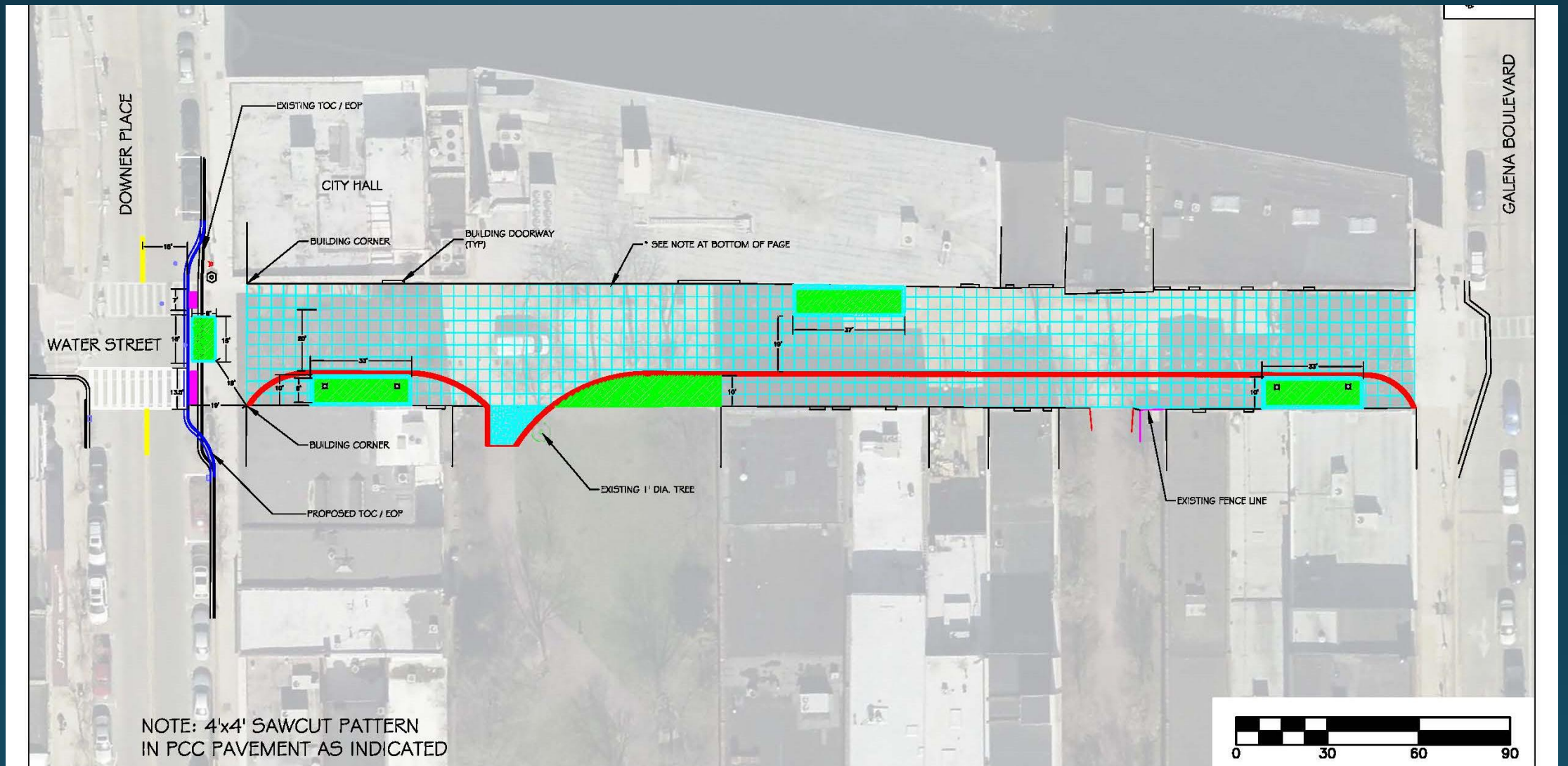
- Two (2) trees closest to Downer Place and Galena Boulevard due to the potential of significant/severe consequence of failure based on location to high traffic streets
- Tree adjacent to Tree #1 (see photos) due to condition issues

A background history of the Water Street Mall construction and tree landscaping was loosely framed based on conversations amongst our group and other city employees:

- Honey locust trees were planted mid-1950, estimated age roughly 55 – 60 years old depending upon size at time of transplant.
- Water Street was closed off to vehicle traffic in 1976
- Tree pits were constructed sometime in the past 30 years
- Trees were limbed up (crown raised) in the past 10 to 12 years

A follow up onsite meeting was scheduled for March 2, 2018. Note: All trees are planted in tree pits with no visibility or access to below pavement root structures, so it was decided to remove a portion of hardscape materials around the four (4) trees prior to our meeting.

Present at the March 2, 2018 site meeting were Ken, Tim, Bill Pauley – Street Maintenance Labor Supervisor, and myself. We observed tree root structure and below ground construction elements at one tree location with an excavated tree pit (Tree #1 – see photos). The other trees only had to top layer of bricks removed.



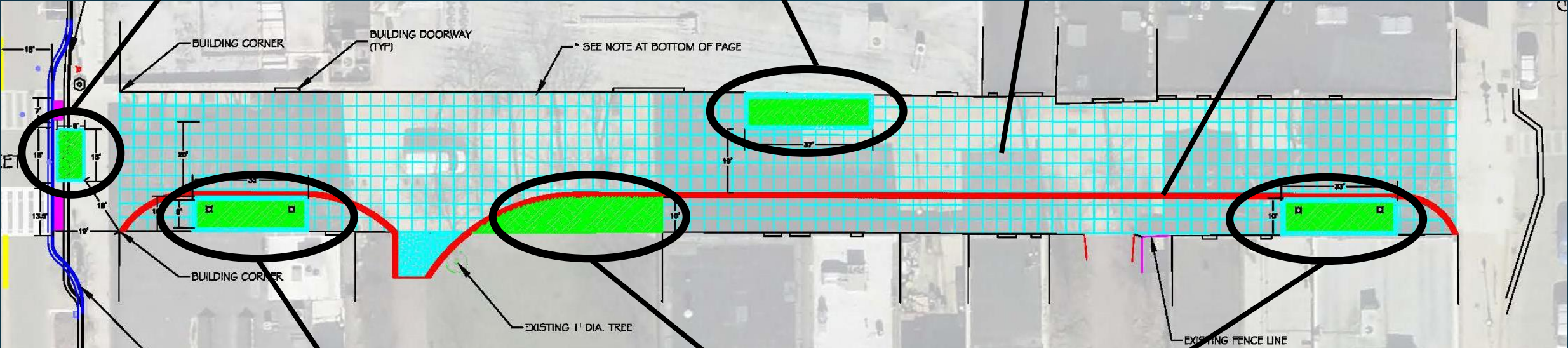
Site Layout

Landscaped Entry Island – match Galena Mall Entrance

Landscaped Island and "Green Wall"

Plaza Sidewalk

FoxWalk Brick Pavers



Landscaped Transition to Mundy Park

Overhead Lighting

Landscaped Islands and Historic Light Fixtures

Design Elements



Rendering

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Rendering

Timing