Cove Pond and Wetlands/Woodland Channel Project



CITY OF
Crystal Lake
ILLINOIS

June 17, 2019

Stormwater Solutions & Stakeholder Engagement

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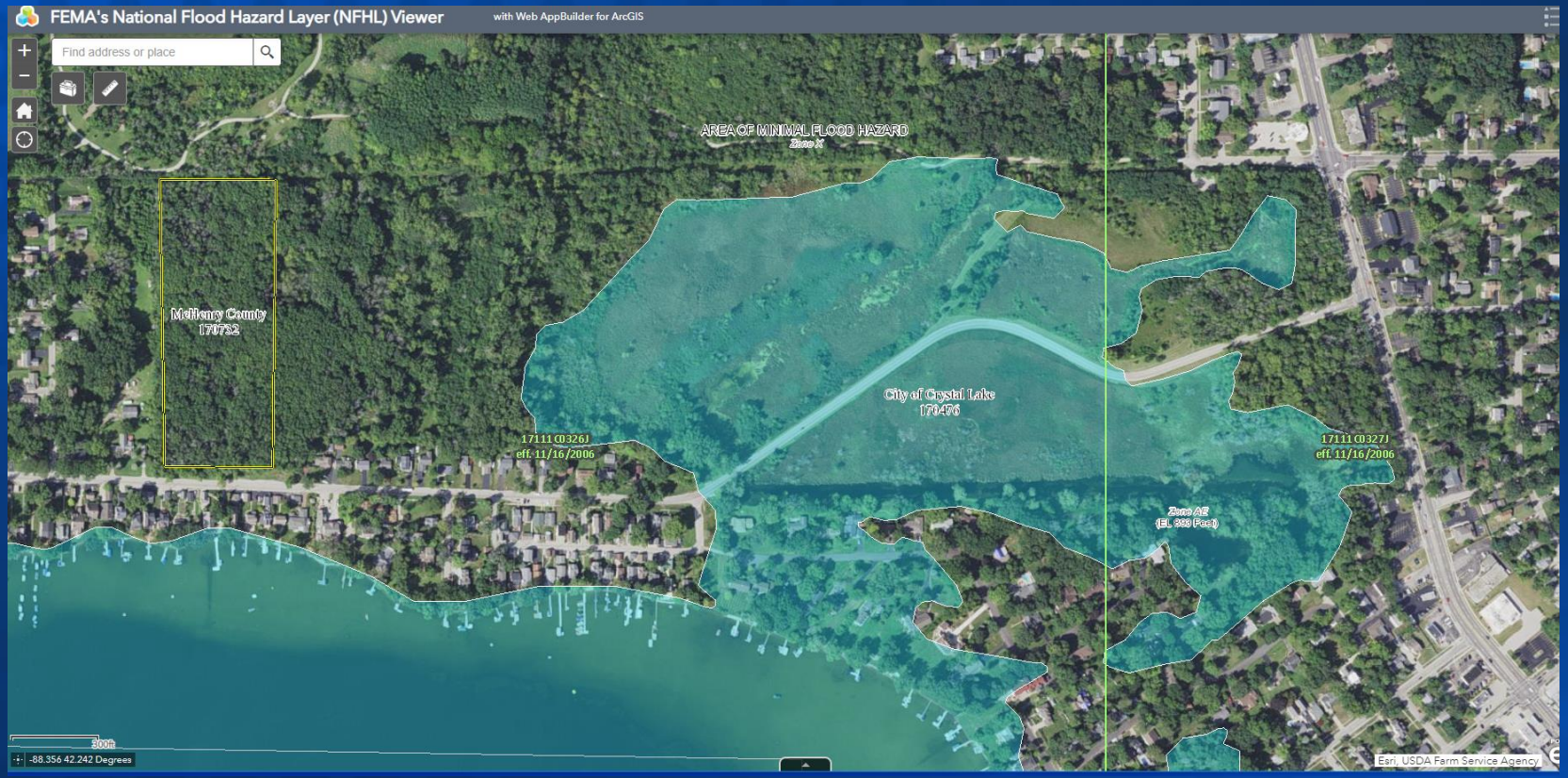
Two Projects being constructed together:

1. Grading at overflow from Cove Pond to concrete box culverts
2. Overflow storm sewer connection for the Wetlands/ Woodland Channel

- Projects are proposed to be constructed together to save costs (one contractor)
- Tentative late summer or early fall construction

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FLOODPLAINS FLOOD (FEMA ZONE AE – ELV. 893)



. . . area that will be inundated by the flood event having a 1-percent chance of being equaled or exceeded in any given year.

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PRECIPITATION MATTERS

May 2019: #1 Wettest for Chicago

As Observed at O'Hare International Airport

8.25 inches

- Normal: 3.68"
- Old record: 8.21" (2018)
- 21 days with measurable precipitation (>=0.01")

**This ties a record for most days in a month with measurable precipitation. Only other time it occurred in Chicago was in November 1985. **

National Weather Service Chicago weather.gov/chicago June 1, 2019



2018, 2019

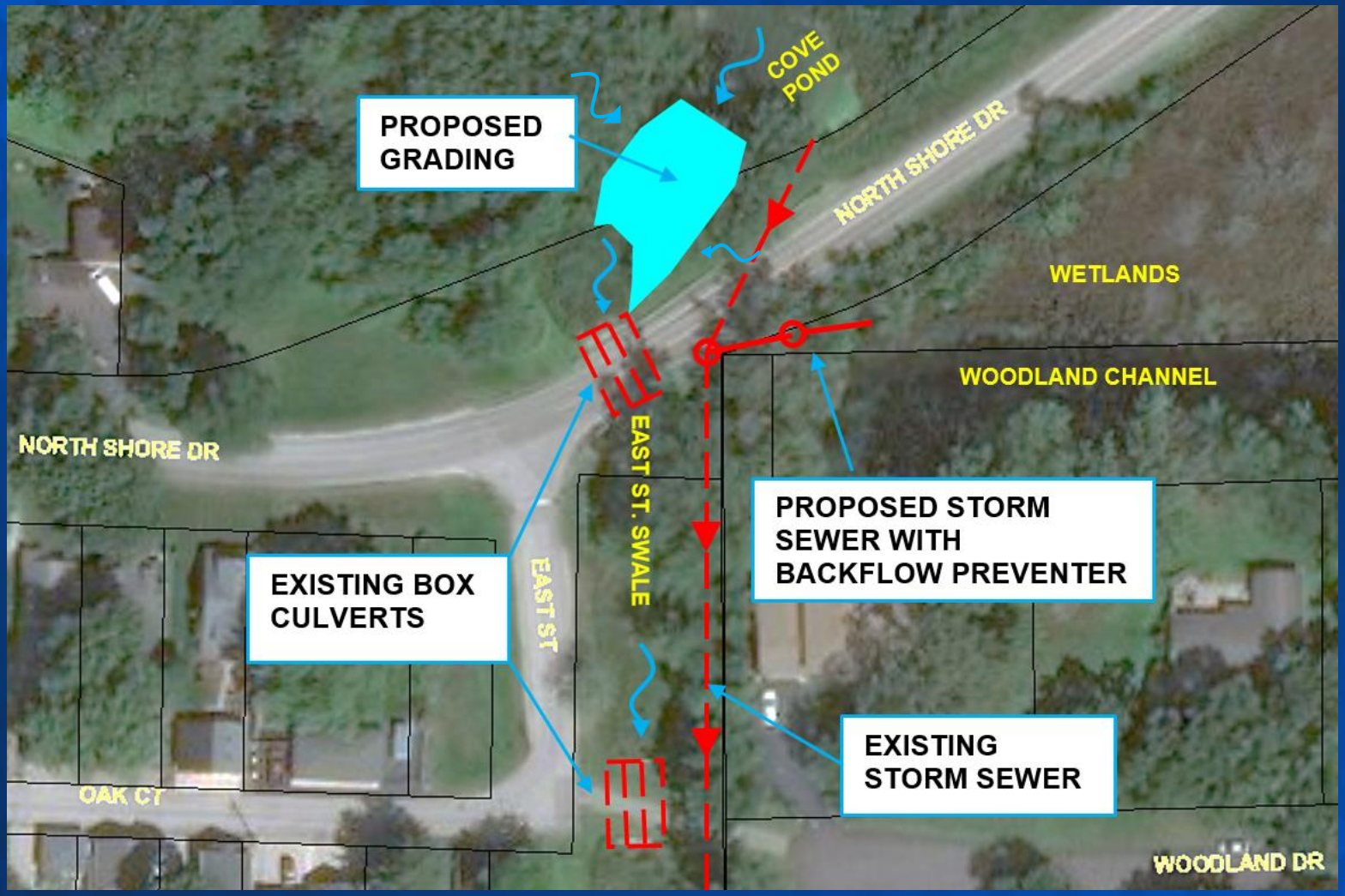
CRYSTAL LAKE 2012

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PROJECT: Cove Pond Overflow Enhancement

- Additional grading to enhance overflow from Cove Pond and surrounding area into the existing box culverts.
- Clearing of trees, underbrush and removal of approximately 8 inches of soil.

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Existing Cover Pond Overflow (looking northeast)



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Proposed Additional Clearing and Grading



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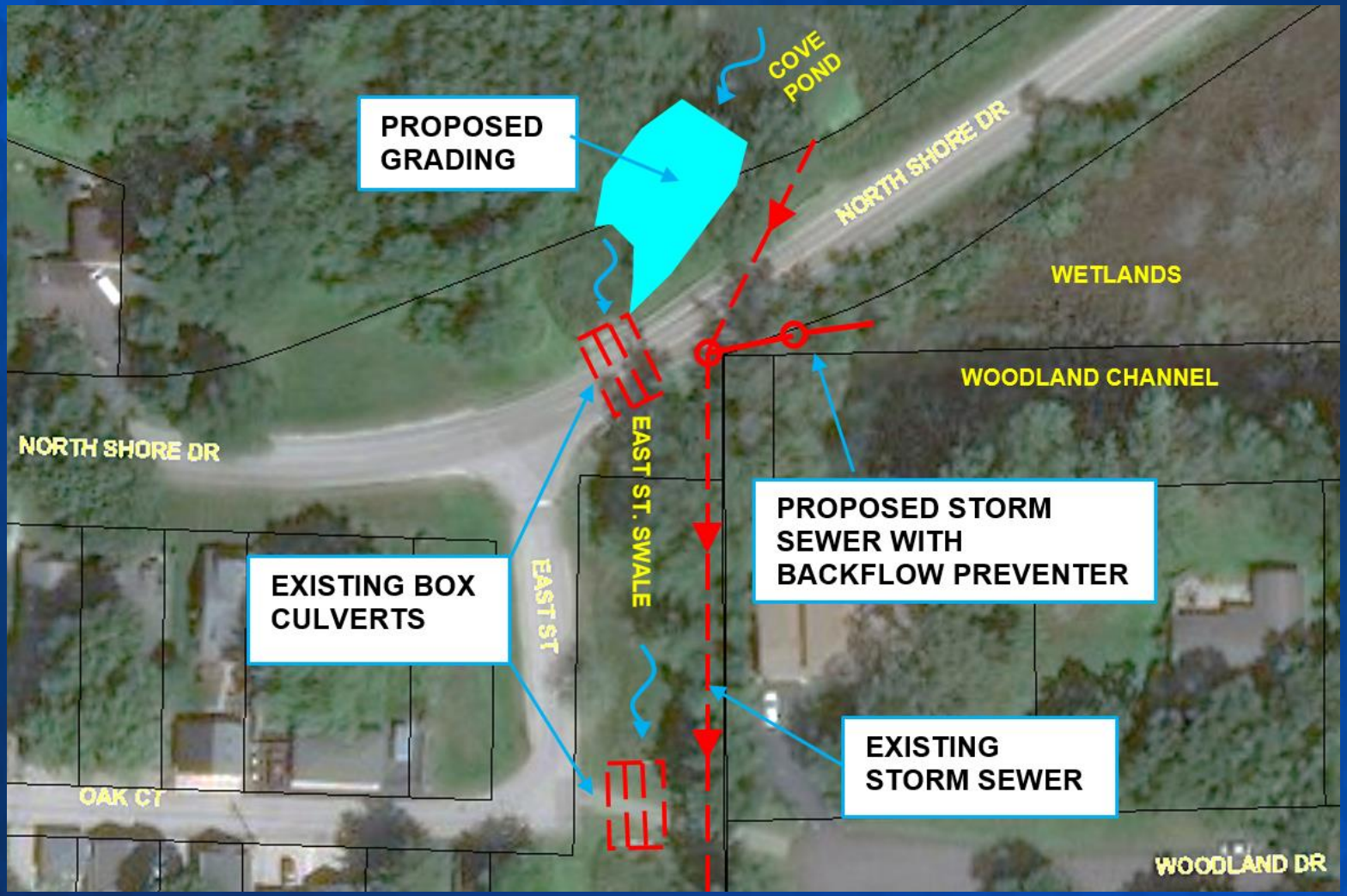
PROJECT: Overflow storm sewer connection for the Wetlands/ Woodland Channel

1. Connection to existing City storm sewer to be constructed on City property.

2. Storm sewer will allow area to drain along with Cove Pond and Crystal Lake (will drain down when Lake drains down after a storm event).

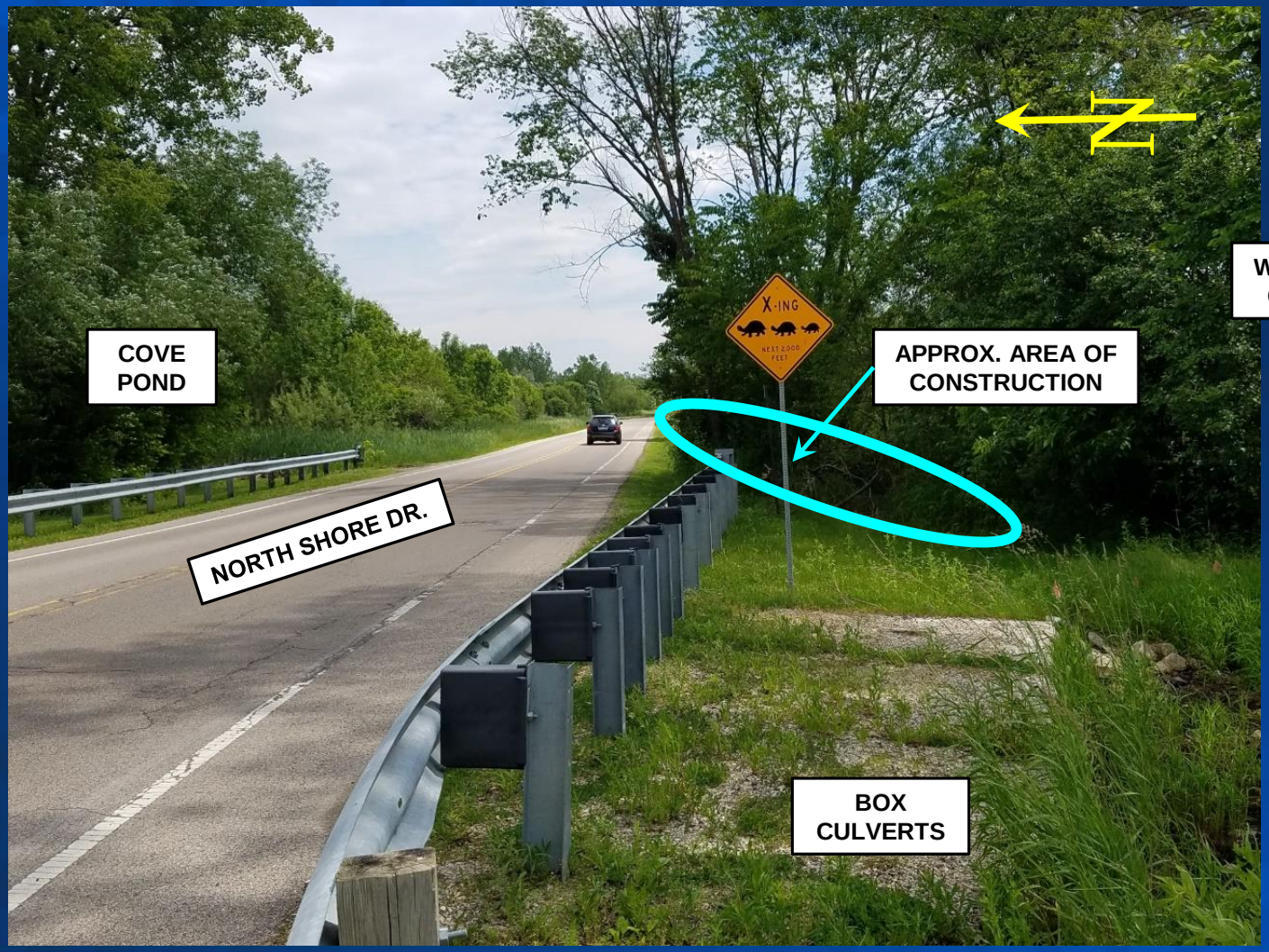
3. Storm sewer to include a backflow preventer (valve)

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QUESTIONS?

PLEASE SUBMIT YOUR COMMENTS BY JUNE 24 (NEXT MONDAY)

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