EXISTING CONDITION
ESTIMATED FLOODING EXTENTS*
(100-year, 24-hour design storm)

PHOTOS SHOWING FLOODING AFTER RECENT RAIN EVENTS
The Chippewa Creek Flood Reduction Project Near Echo Lane aims to reduce flooding impacts to houses and roads in the neighborhood. Estimated reductions in flooding from proposed stormwater infrastructure improvements will continue to be refined throughout the design process.
PRELIMINARY CONCEPT
(Basin CC00231 and Culverted Stream CC00230)

Preliminary Concept for Proposed Stormwater Infrastructure Improvements
*Note that the concept will continue to be refined based on coordination with property owners and stakeholders.

Basin CC00231

**EXISTING**
- Accumulated sediment has reduced storage capacity
- Invasive vegetation limits native vegetation and complicates maintenance
- Outlet structure is deteriorating

**PROPOSED**
- Remove sediment to increase storage capacity
- Remove invasive species
- Replace the basin outlet with a new structure that optimizes storage and improves operations and maintenance

Culverted Stream CC00230

**EXISTING**
- Existing culverted stream has multiple pipe sizes, materials, and slopes which reduce capacity and contribute to flooding
- Existing alignment presents operations and maintenance challenges

**PROPOSED**
- Replace with a new, larger storm sewer with increased capacity
- Proposed alignment is primarily within existing right-of-way
PRELIMINARY CONCEPT
(Stream CC00184 and Culverted Stream CC00183)

Preliminary Concept for Proposed Stormwater Infrastructure Improvements
*Note that the concept will continue to be refined based on coordination with property owners and stakeholders.

Stream CC00184 and Culverted Stream CC00183

EXISTING
- Stream channel has been modified over time to accommodate development
- Linear drainage channel has insufficient floodplain storage

PROPOSED
- Realign the stream channel to restore a more natural, winding stream with dedicated floodplain storage
- "Daylight" upstream portions of the culverted stream