

## **Business Item: 2018-242**

# **Hopkins L27 Lift Station Construction Contract Additional Change Order Authority**

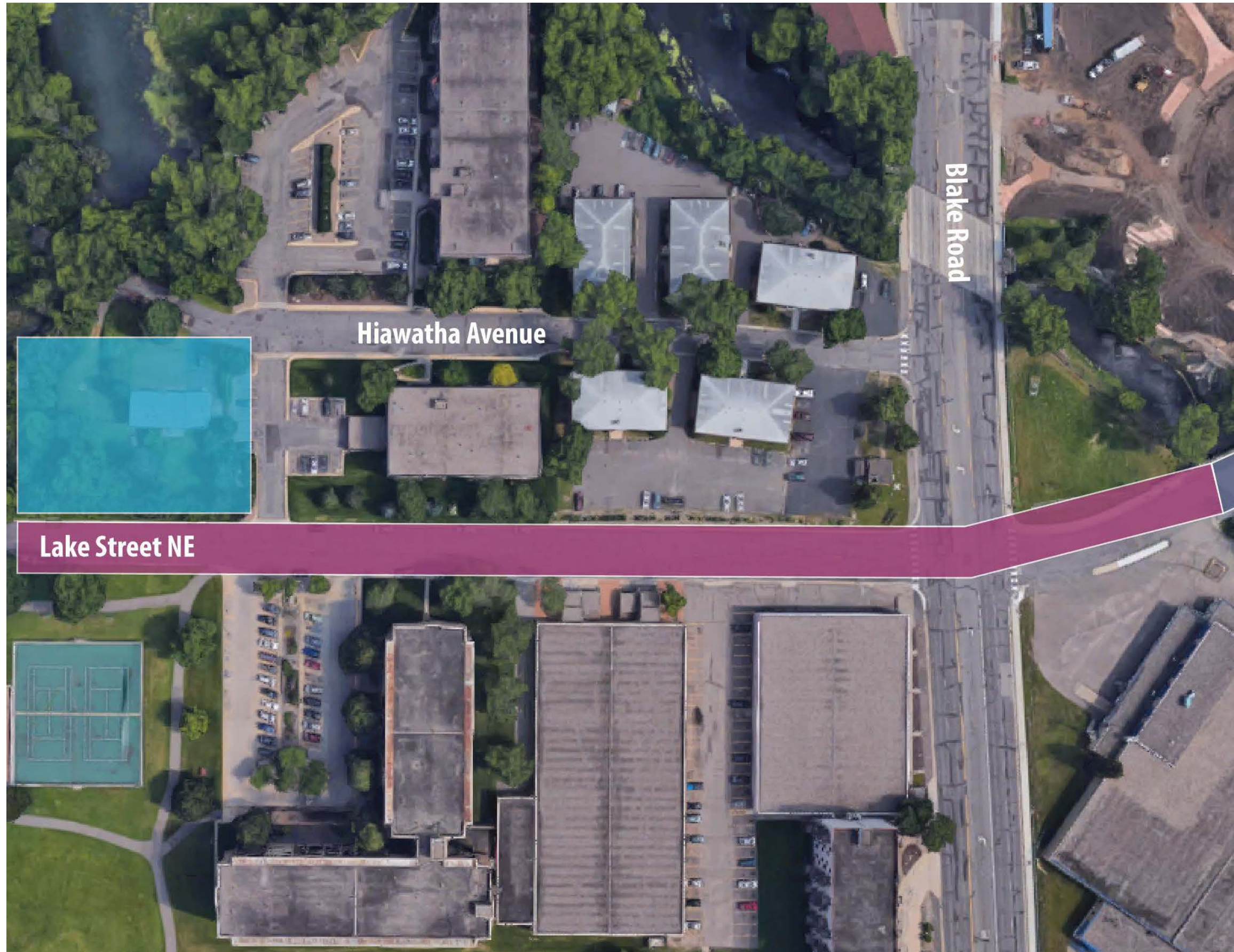
Jeannine Clancy, Assistant General Manager, Technical Services

Adam Gordon, Manager, Engineering Design Services

Environment Committee Meeting: September 11, 2018



# L27 Site Overview



## Site Challenges

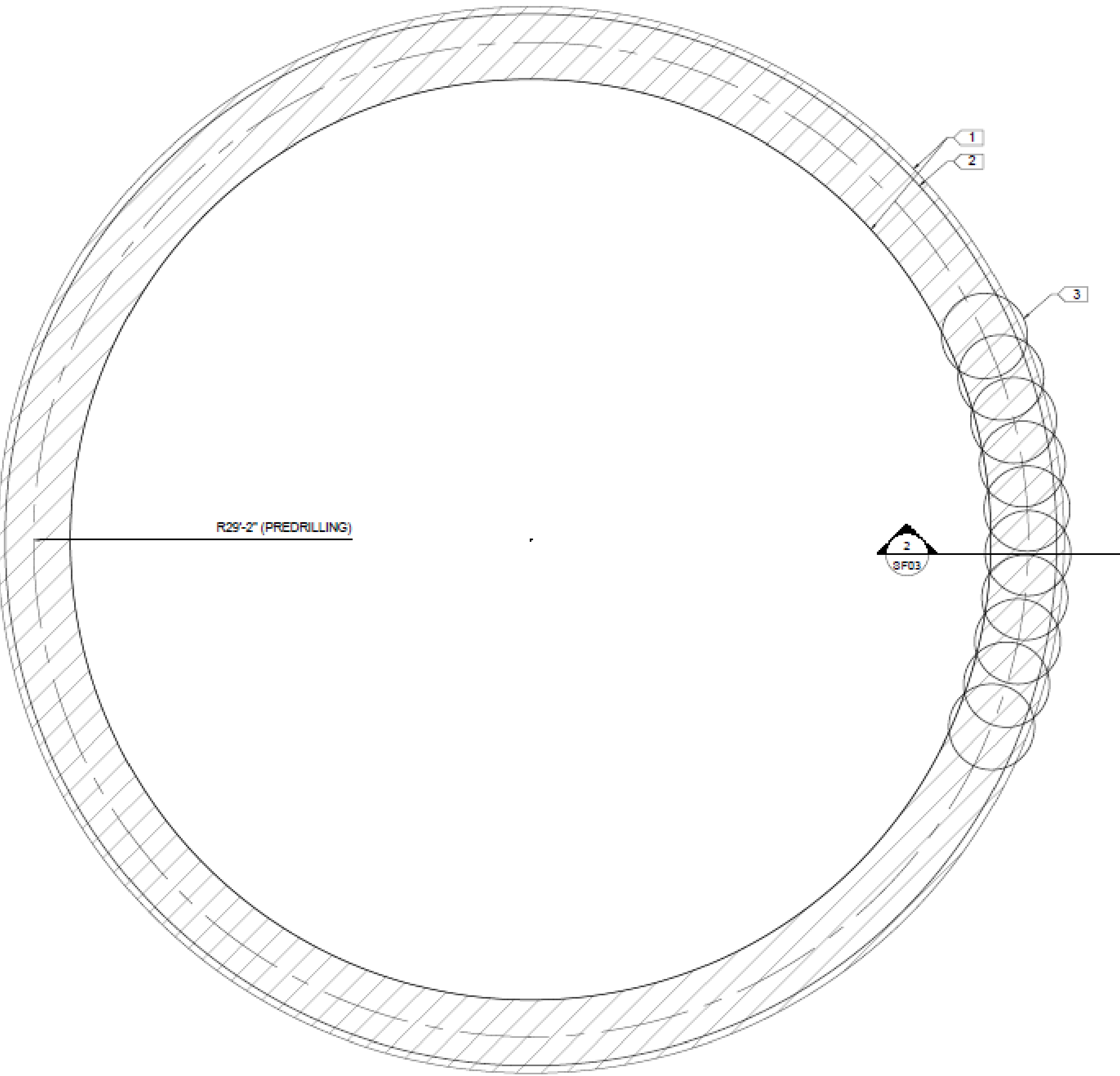
- Shallow groundwater that requires pumping
- Adjacent Minnehaha Creek restricts work space and increases environmental risks
- Nearby residential buildings increase impacts of settlement and vibration.
- Small site required small construction footprint.

# L27 Project Overview



## New L27 Building Design

# Site Required Predrilling to Remove Boulders



1 CAISSON PREDRILLING PLAN  
SF03 NO SCALE

## Predrilled Casing Layout



## Excavating soil from inside a 72\"/>

# Site Challenges



Groundwater inside the caisson



Boulders removed during construction

# Sunk Caisson Construction



6

Fully Sunken Ring ready for next Ring to be Added

# Sunk Caisson Construction



Ring Construction in Progress

# Sunk Caisson Construction





# Thrive Lens Analysis

This request sets back the Thrive Outcome for stewardship due to the impact to financial resources; however, improves the Thrive Outcome for sustainability in meeting the City's need for improving storm water infrastructure and providing successful construction of Council's wastewater facilities.

# Proposed Action

That the Metropolitan Council authorizes an increase in the General Manager's delegated construction contract change order authority for the Hopkins L27 Lift Station project from \$1,216,740 to \$2,149,740, MCES Project 804126, Contract 16P001.

# Questions