# Proposed Regional Stormwater Basin

Proposed Regional Stormwater Basin on Parcel 473-24-014 Parma Heights, OH Parma Heights City Council Meeting - April 12, 2021





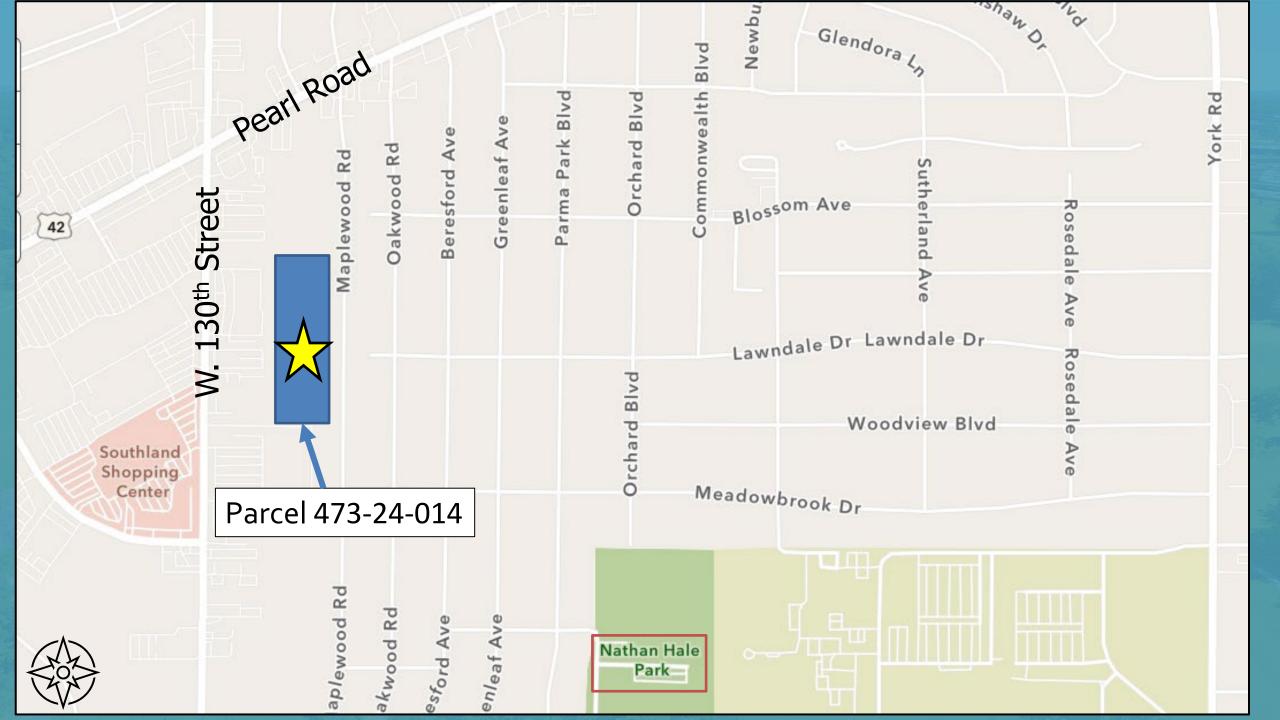
### **Background Information**

 The District & Parma Heights is working collaboratively to acquire Parcel 473-24-014, to build a regional stormwater basin to reduce residential and street flooding along the Regional Stormwater System (Big Creek)

 District would finance the purchase through the Regional Stormwater Management Program







#### **Current Conditions**

Yearly, reported basement flooding in the southwest portion of Parma Heights.

 Predicted flooding shown in the stormwater master planning and the Sewer System Evaluation Study models.

Stormwater and sanitary sewer system capacity issues





### Example Project: Chevrolet Stormwater Basin Parma, OH

- Residents nearby experienced basement flooding during storms
- Basin was designed and storm sewers were installed to divert stormwater to basin

Northeast Ohio Regional Sewer District

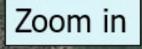


## How it works

- Stormwater from local streets flows into the basin and is then slowly released
- Since installation, basement flooding has been controlled



Flow of water is slowed through basin. Basin is dry is dry weather.

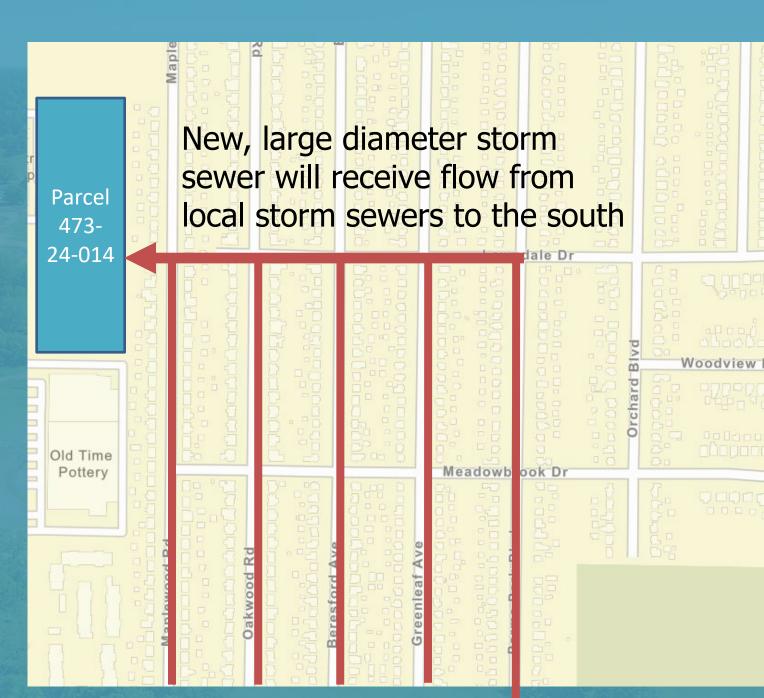


Gentle slope into basin, planted with grasses and sedges.

## **Proposed Basin:** How it will work

- 8.8-acre lot will be location of basin
- New and existing storm sewers will empty into the basin
- Basin will store stormwater during rain events and will be dry during dry weather

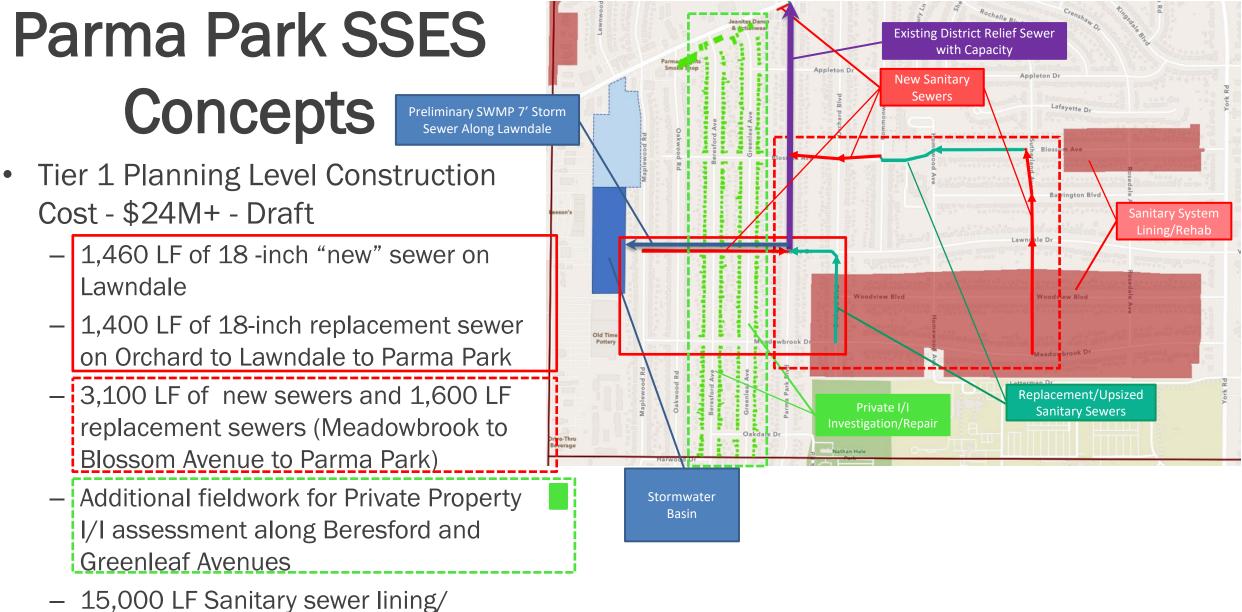
Northeast Ohio Regional Sewer District



Next steps to relieve flooding: **Stormwater and Sanitary Sewer Work** • Coordinate with City on phasing and funding of infrastructure planning and design Sanitary sewer system in this area of Parma Heights was a focus of LSSES; strong candidate for a District grant through the Member Community Infrastructure Program







rehabilitation work

#### **Questions?**

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