



# Kenwood Hills Local Sewer

## Second Public Hearing

January 28, 2025



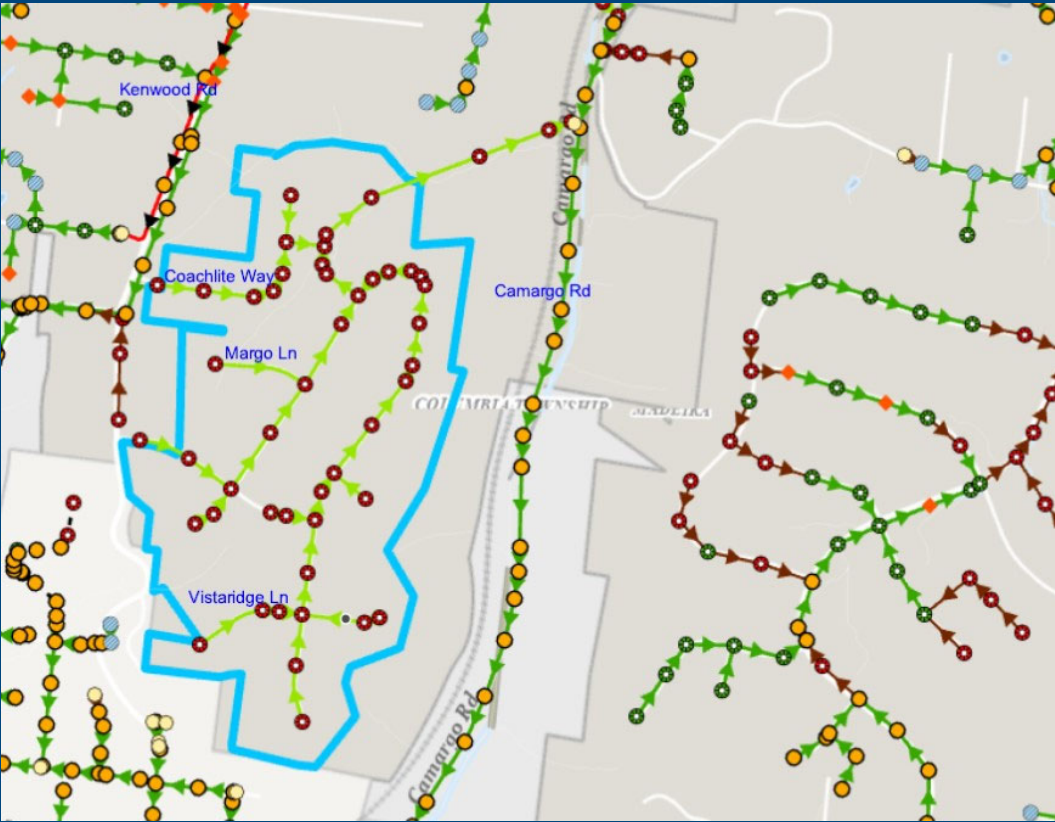
# Background

- Located in the City of Madeira, Hamilton County, Ohio on along Coachlite Way, Margo Lane, Oakvista Drive, Mapleridge Drive, Kenwood Hills Drive, Maplespur Lane, and Vistaridge Lane
- Initiated by citizen petition per MSD R&R Section 1805
- Benefits 160 parcels (159 single-family parcels; one forestry with building parcel) currently served by HSTs
- Initial polling indicates 81 owners in support (50.6%); 63 opposed; no response from 16
- Design authorized with 2016 CIP and now complete



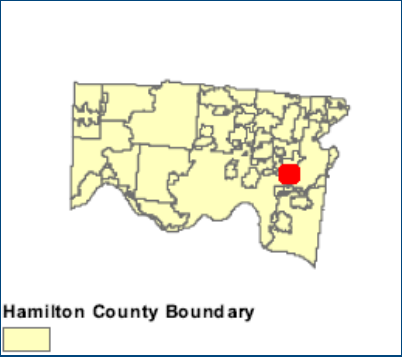
# Kenwood Hills Local Sewer

City of Madeira, Hamilton County, Ohio



### Map Legend

- Existing Sewer
- Existing Manholes
- Benefited Properties
- Proposed Sewer

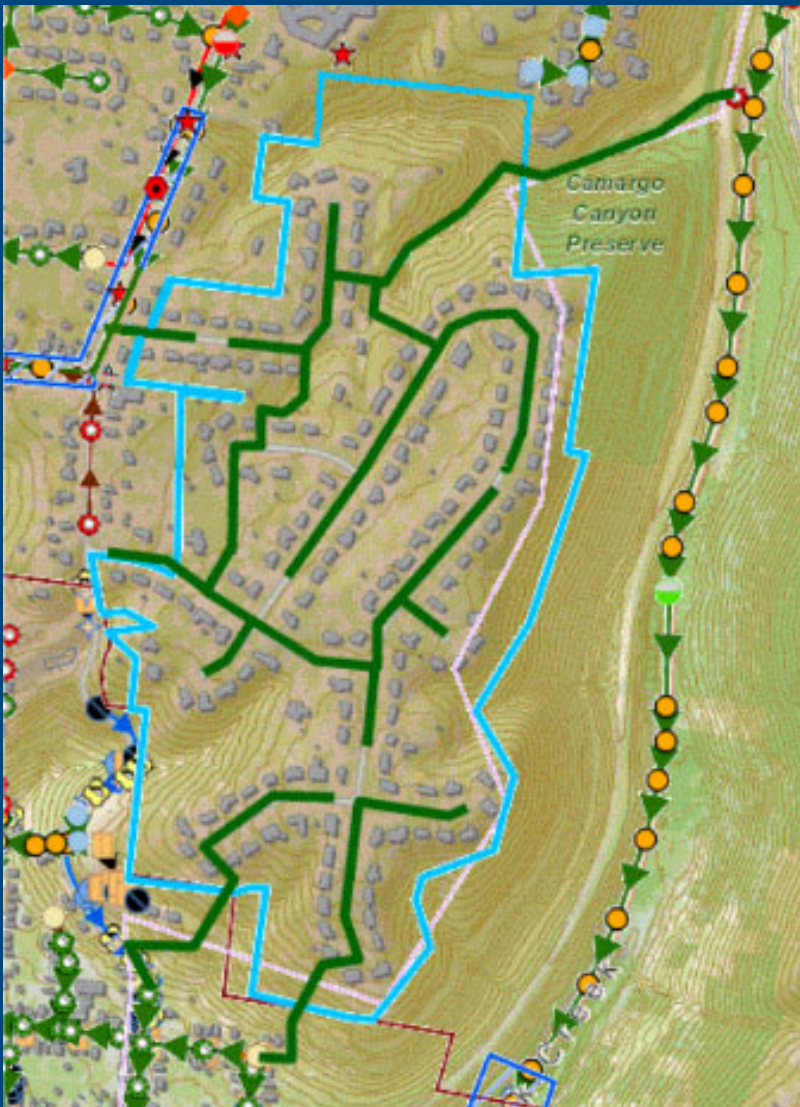


# Background

- **Public hearing opened on Oct 3, 2024**
- **Continued to consider outstanding issues, primarily focused on the cost to homeowners**
- **12/3/24 response memo provided by MSD (available at [MSDGC.org](https://www.MSDGC.org))**
  - **Design alternatives considered**
  - **Funding (update)**





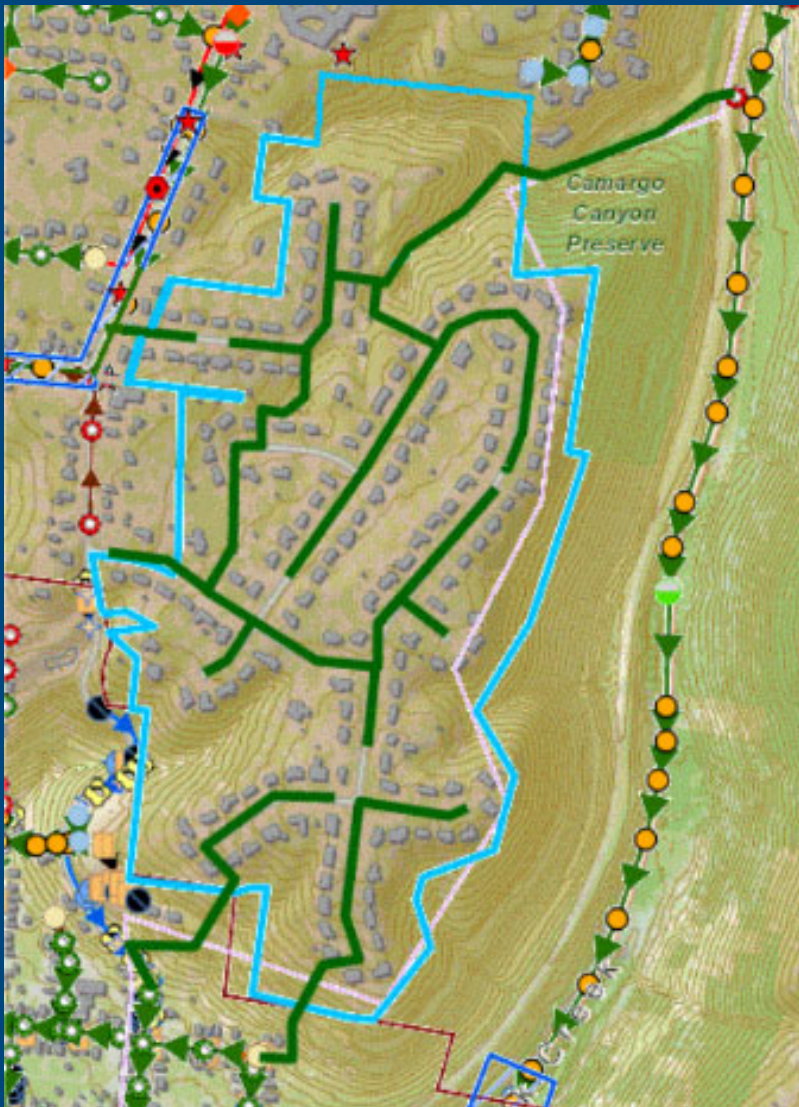


Alternative 1 – Deep Gravity Sewer:

**Description:** Connection of the subdivision (project area) to three separate sewer locations – one to the north to Camargo Road, and two locations in the south (Chandler Street and Darling Road).

**Property Owner Considerations:** Majority of properties could be served by gravity sewers, but some properties would still need to pump.

**MSD Cost Considerations:** Most expensive with an estimated construction cost approximately 236% over the current recommendation (estimated \$183,000 per parcel, \$26.8M total).



Alternative 2 – Shallow Gravity Sewer:

**Description:** Similar to Alternative 1, but the gravity sewer would be built shallower to reduce project costs.

**Property Owner Considerations:** Higher number of properties would need to pump compared to Alternatives 1 and 4.

**MSD Cost Considerations:** High cost; estimated construction cost is approximately 147% higher than the current recommendation (estimated \$114,000 per parcel, \$16.7M total).





Alternative 3 – Low-Pressure Forcemain:

**Description:** Installation of low-pressure force mains.

**Property Owner Considerations:** All properties would need to pump.

**MSD Cost Considerations:** Most affordable option for MSD; estimated construction cost is approximately 52% of the current recommendation (estimated \$40,000 per parcel, \$5.8M total).



Alternative 4 – Hybrid Gravity and Low-Pressure Forcemain (recommended):

**Description:** Hybrid of the other alternatives with gravity sewers in the northern part of the project area and low-pressure forcemain in the southern part of the project area.

**Property Owner Considerations:** Majority of properties will be served by gravity, but some will require pumps. Many of the houses in the southern part would have to install a pump anyway, even with a gravity sewer installed in the right-of-way, to get their sewage discharge from the rear yard to the street.

**MSD Cost Considerations:** Second most affordable construction cost (estimated \$77,000 per parcel, \$11.3M total).





# Comparison

<u>Alternatives</u>	<u>Gravity v. Pump</u>	<u>MSD Cost</u>
Alternative 1	Some owners pump	Highest Cost
Alternative 2	Some owners pump	Second Highest Cost
Alternative 3	All owners pump	Lowest Cost
Alternative 4 (recommended)	Some owners pump	Second Lowest Cost

# Funding Update

- Eligible to receive a no interest loan with **\$4,000,000 principal forgiveness** for the Kenwood Hills Local Sewer project through Ohio EPA and Ohio Water Development Authority's Water Pollution Control Loan Fund ("WPCLF")
- May be used on "public-side" portion
- Loan must be awarded in 2025, which would require expedited completion of:
  - Legislative approval (Feb)
  - Easement appropriation (Feb - June)
  - Construction contract award (July - Oct)





# Questions & Comments

