

## Harlem-Baden Relief Phase IV(Hebert) (Darver to 69<sup>th</sup>) Virtual Town Hall

Presented to: Village of Hillsdale Trustees and Hillsdale Residents





#### Today's Roadmap

- Technology Overview and Ground Rules
- Overview of MSDPC
- Project Overview and Specifics
- FAQs
- Q&A





#### Notes on our Virtual Town Hall Platform

- Participants are in listen-and-view mode
- There are several ways to engage
  - Type your question using Q/A icon at the bottom of your screen at any time (even before the Q/A portion has begun)
  - Everyone can read all questions posed and you can "Upvote" questions you want answered



# MSD Project Clear (MSDPC) Overview & Details

- Government Utility
  - State Constitution
  - Voter Approved Charter in 1954
  - 6 Member Board of Trustees (3 City & 3 County)
- Two utilities: Wastewater & Stormwater
- 520 square mile service area
  - All of St. Louis City
  - 87% of St. Louis County
- ~1,300,000 customers
- 88 municipalities served

- 7 Treatment Plants
- 350+ million gallons per day of wastewater treated
- 4,700+ miles of wastewater sewers
- 1,800+ miles of combined sewers
- 3,000+ miles of stormwater sewers
- 4th largest sewer system in the United States (as measured by miles of sewers handling wastewater)



Harlem-Baden Relief Phase IV (Hebert) (Darver to 69<sup>th</sup>): Package 5

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#### **Project Definitions**

- What is a Storm Sewer?
  - A Storm sewer is a separate pipe in the ground that carries off stormwater runoff and discharges it into streams or rivers.
- What is a Wastewater Sewer?
  - A Wastewater sewer is a separate pipe that carries wastewater from residences and businesses to a treatment facility.
- What is Combined Sewer?
  - A Combined sewer is one pipe which carries both stormwater from street inlets and wastewater from homes and businesses.
- What does Soft Separation mean?
  - Soft Separation removes the stormwater runoff from the combined sewer and installs a new separate storm sewer pipe while utilizing the combined sewer for wastewater flows.





### **Project Overview**

MSD Clear

- Origin of Project
  - Customer complaints, undersized "combined" sewers
- Project Goal
  - "Soft separate" stormwater drainage to provide capacity and reduce basement backups and street flooding
- Project Scope
  - 8,000 feet of 12" to 48" Storm Sewer
  - Approximately 55 new curb inlets
- Benefits
  - New storm sewers will be constructed to alleviate basement backups and street flooding





#### Historical Complaints Map







#### Harlem-Baden Relief Phase IV Project Map (not to scale)





#### How it will be built



- Construction Method
  - Open Cut Installation
- Equipment anticipated
  - Backhoe or Track-hoe used for majority of Open-Cut installation.
  - Dump Trucks



#### What can residents expect?



- Easements for access to private property
- Anticipated road closures/traffic impact
  - Regular road circulation may be affected. The sewer is in the street so temporary lane and road closures may be necessary.
  - Work along St. Louis Avenue, most of the side streets
  - Will maintain access for emergency vehicles and Metro.
- Anticipated access issues (residential/commercial)
  - One lane of traffic will always be maintained to allow residents to come and go, as will access to their houses.
- Construction Noise
  - Construction noise during normal business hours, including breaking of pavement, utilities relocation, and some tree removal.







### **Tentative Construction Schedule**

- Design Completion: Fall 2020
- Easement Acquisition: Fall 2021
- Estimated start date: Summer 2022
- Estimated duration: 19 months





#### FAQs

- Why is MSD doing this project?
- Will residents have access issues to their property?
- Will residents' utilities, such as water, power, or sewer, be unavailable at any time during the project?
- How much noise can residents expect to hear?



# **Questions?**

### **Project Manager**

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