

Madison Metropolitan Sewerage District



**The Northeast Interceptor –
Truax Extension Project**

**Public meeting
Wednesday, May 30
6:30 to 8:00 p.m.
Presentation at 7 p.m.**

**Carl Sandburg
Elementary School**

Who is Madison Metropolitan Sewerage District?

What We Do

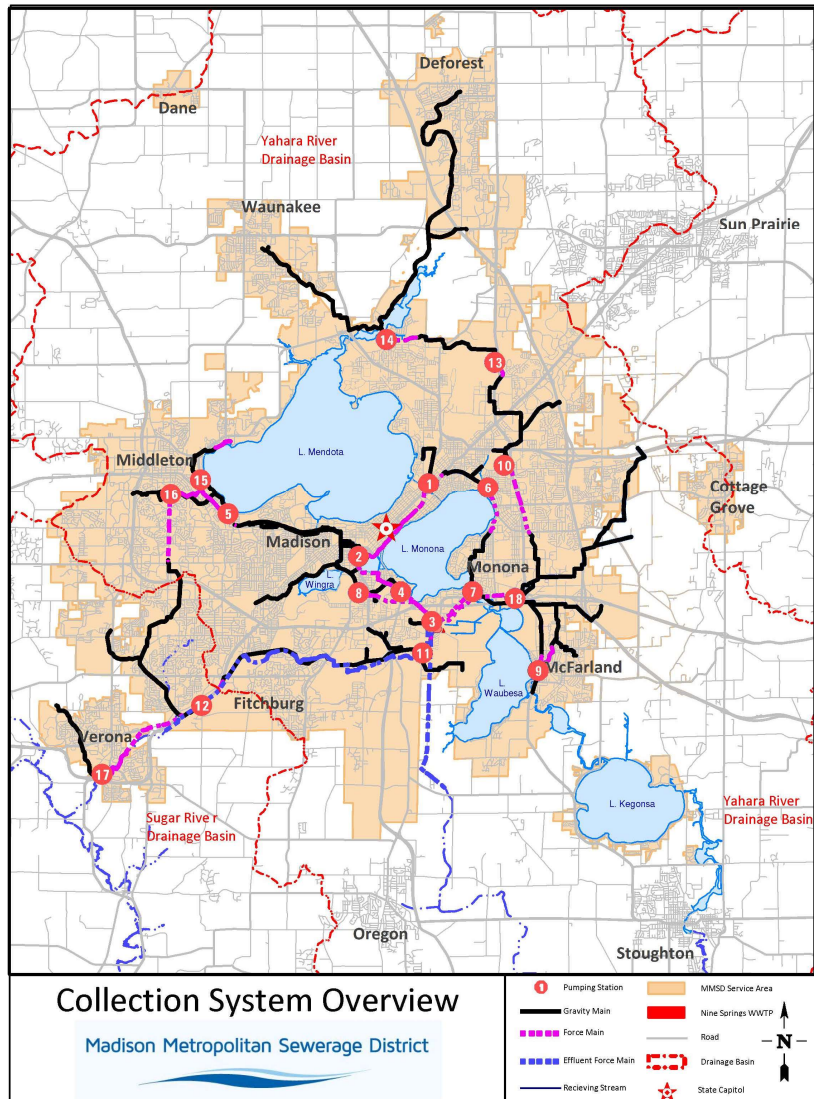
Each day, MMSD conveys and treats about 41 million gallons of wastewater from 26 customer communities serving 184 square miles and 360,000 people.

Collection System Process

Any water that is used for washing, flushing, or industrial processing is considered wastewater.

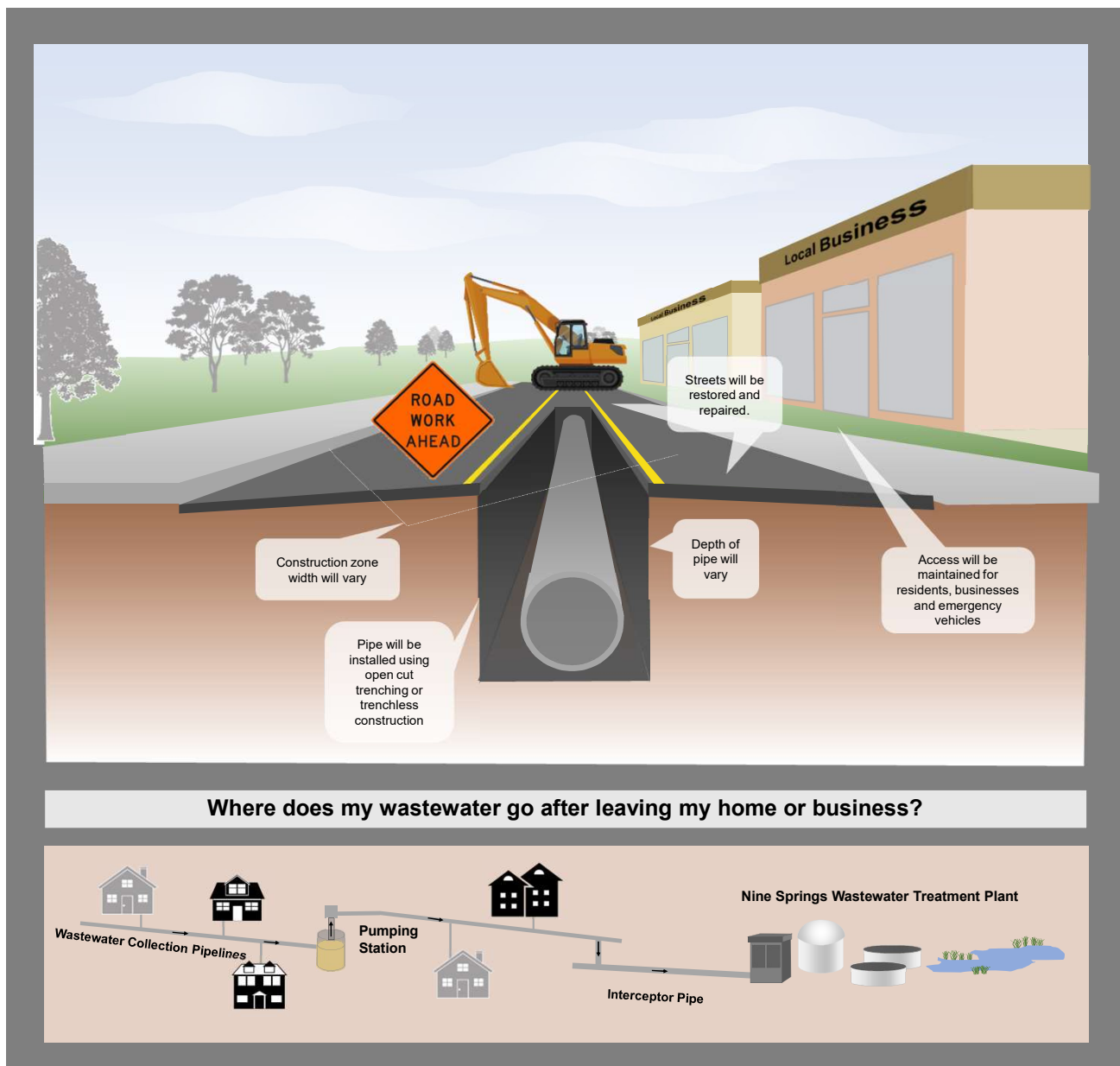
Wastewater is collected through a network of drains, sewer laterals, interceptors, pumping stations, and force mains.

The collected wastewater is then delivered to the Nine Springs Wastewater Treatment Plant.

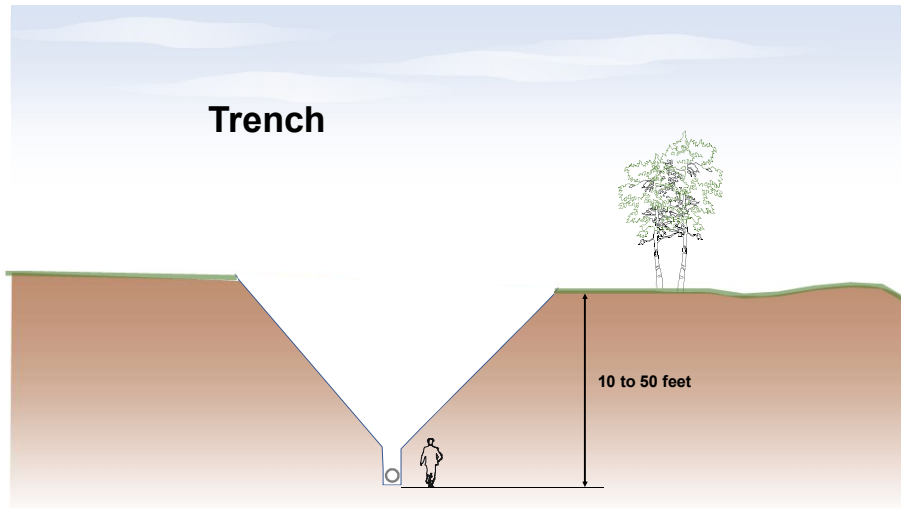


What is an interceptor sewer?

An interceptor sewer is a large pipe that receives flow from smaller local sewers and directs it to the wastewater treatment plant.

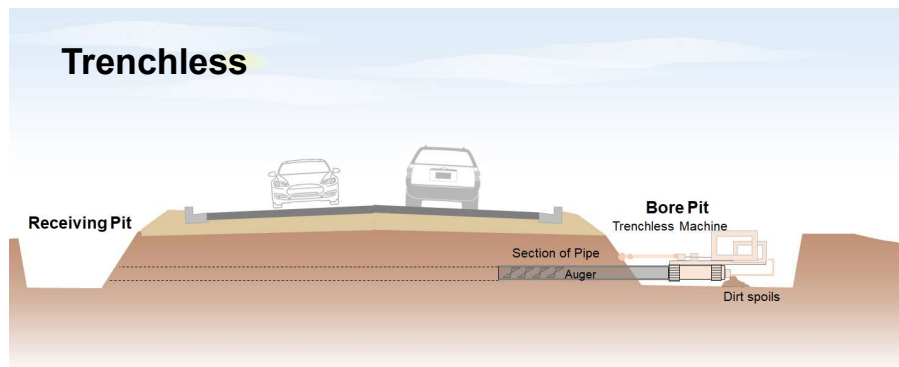


How is the interceptor sewer installed?



Because this interceptor relies on gravity to carry wastewater, the sewer needs to maintain a consistent downward slope. This can lead to trenches as deep as 50 feet.

In selecting an alignment, the study team seeks to minimize trench depth and avoid resources of value, such as trees.



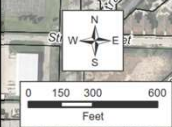
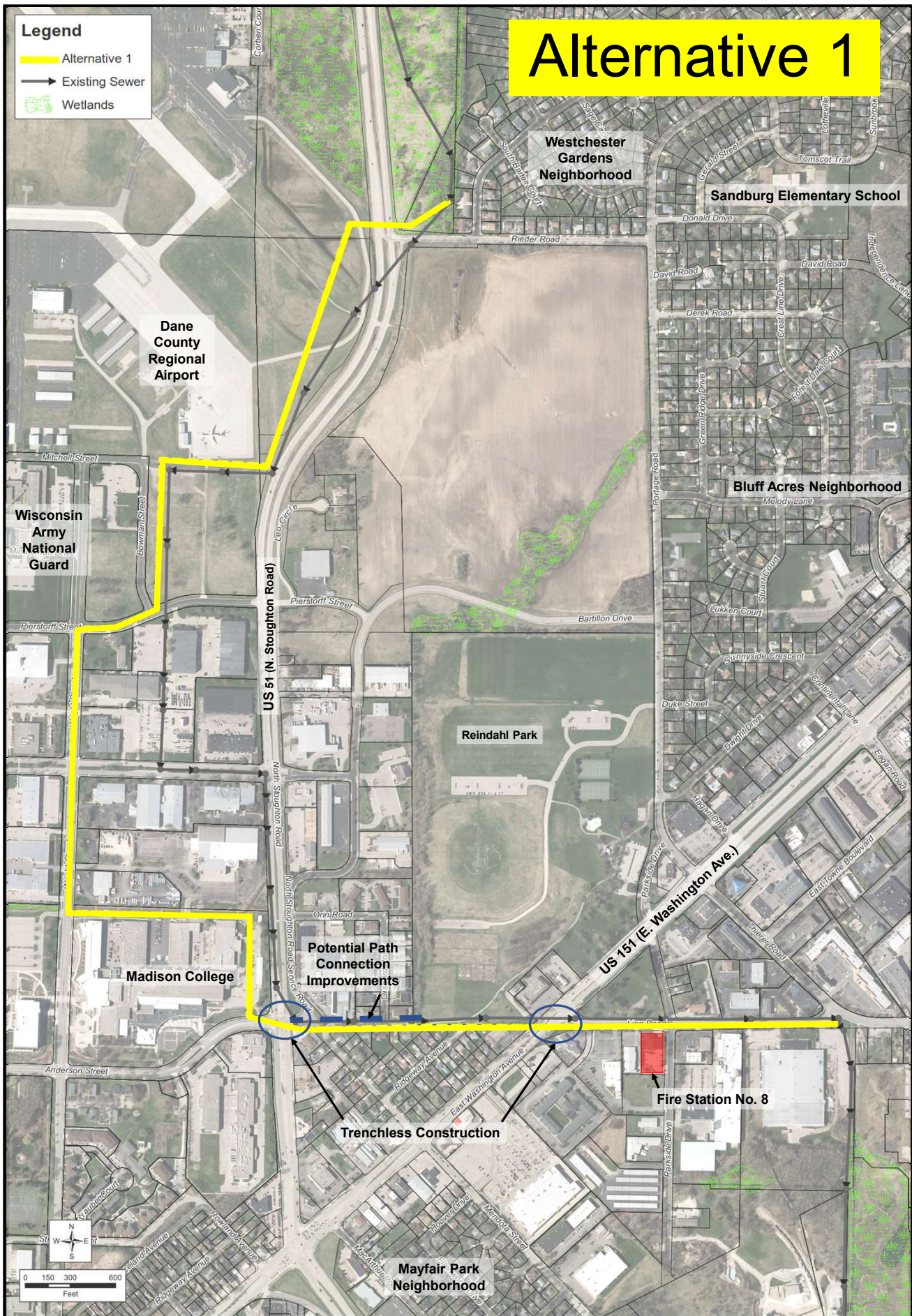
In some places a trench can not be constructed because it would cause too much disruption, such as East Washington Avenue crossing. Here trenchless technologies are used, where the pipe is bored or tunneled under the roadway. This will require excavating to pits on each side of the roadway. One is used to push or bore the pipe, while one is used to receive the pipe.



Alternative 1

Legend

- Alternative 1
- Existing Sewer
- Wetlands



ALTERNATIVE 1

NORTHEAST INTERCEPTOR - TRUAX EXTENSION RELIEF PROJECT
MADISON METROPOLITAN SEWERAGE DISTRICT
CITY OF MADISON
DANE COUNTY, WISCONSIN

- Legend**
- Alternative 2
 - Existing Sewer
 - ~ Wetlands

Alternative 2



ALTERNATIVE 2

NORTHEAST INTERCEPTOR - TRUAX EXTENSION RELIEF PROJECT
MADISON METROPOLITAN SEWERAGE DISTRICT
CITY OF MADISON
DANE COUNTY, WISCONSIN

Alternative 3

Legend

- Alternative 3
- Existing Sewer
- Wetlands



ALTERNATIVE 3

**NORTHEAST INTERCEPTOR - TRUAX EXTENSION RELIEF PROJECT
MADISON METROPOLITAN SEWERAGE DISTRICT
CITY OF MADISON
DANE COUNTY, WISCONSIN**

STRAND ASSOCIATES
FIGURE 1
1021.021

Alternative 4

Legend

- Alternative 4
- Existing Sewer
- Wetlands



STRAND ASSOCIATES
FIGURE 1
10211021

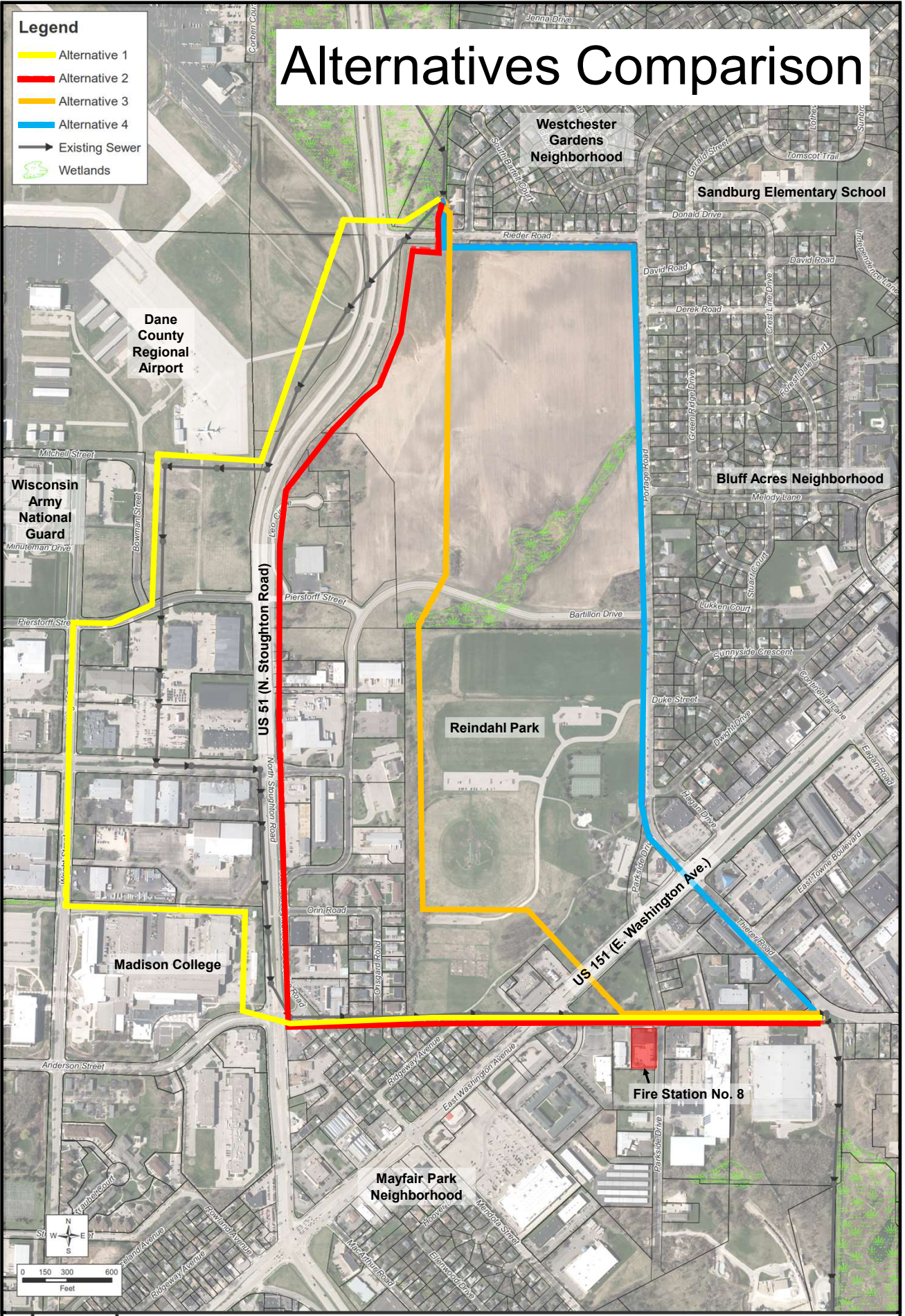
ALTERNATIVE 4

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MADISON METROPOLITAN SEWERAGE DISTRICT
CITY OF MADISON
DANE COUNTY, WISCONSIN

Alternatives Comparison

Legend

- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Existing Sewer
- Wetlands



RELIEF SEWER

**NORTHEAST INTERCEPTOR - TRUAX EXTENSION RELIEF PROJECT
MADISON METROPOLITAN SEWERAGE DISTRICT
CITY OF MADISON
DANE COUNTY, WISCONSIN**

STRAND ASSOCIATES®

 FIGURE 1
 1021.021

Alternatives Comparison

Project Opportunities	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Pedestrian or Bike Paths	Connect Reindahl Park and Madison College		Provide planned park paths	Convert Portage Road sidewalk with multiuse path.

Project Considerations	Alternative 1	Alternative 2	Alternative 3	Alternative 4
Average depth of sewer	15 ft	25 ft	30 ft	40 ft
Max depth of sewer	35 ft	45 ft	45 ft	55 ft
Traffic or access impacts along roads (crossings not included)	Lien Road Wright Street US 51	Lien Road N Stoughton Service Rd Leo Circle US 51	Lien Road	Thierer Road Portage Road Rieder Road
Key Considerations	High number of impacts to traffic and businesses. Within airport perimeter not allowed.	High number of impacts to traffic and businesses. Tight working space next to US 51.	Winter construction schedule through Reindahl Park and farm field to minimize impacts.	200 foot width of working space needed along Portage Road for required depths.

Proposed Schedule

May

- Public Involvement Meeting No. 1 – Receive stakeholder feedback on alternatives

August

- Public Involvement Meeting No. 2 – Present preferred alternative

November

- Complete design

December-January

- Bid project

Summer/Fall 2019

- Tentative construction