

# West Interceptor – Shorewood Relief Sewer Phase 3 Project

June 27, 2024

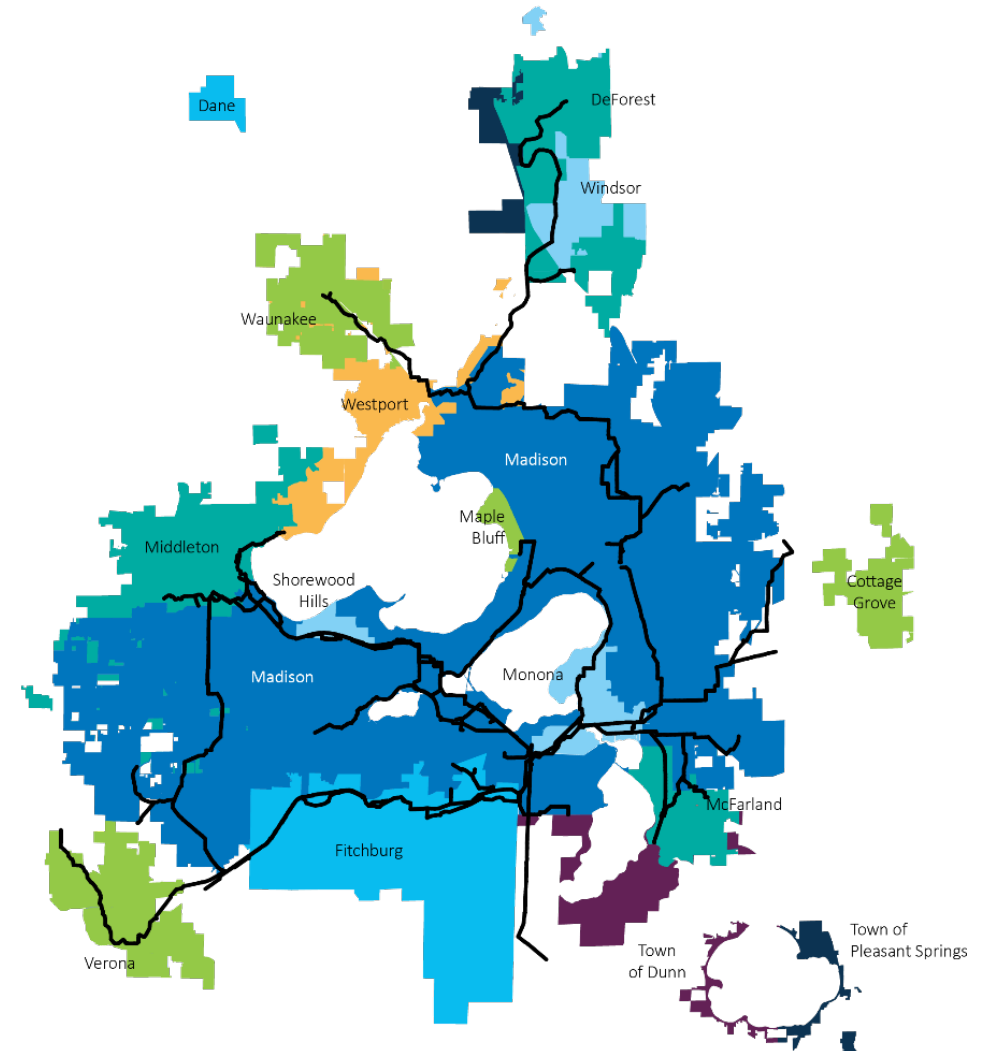
Joint Campus Area Committee

Madison Metropolitan Sewerage District



# About the District

- Established in 1930
- Regional wastewater utility for 25 owner communities in Dane County
- Serves 424,000 individuals and businesses across 188 square miles
- Operate 145 miles of pipe
- Collects 37 million gallons daily (on average)



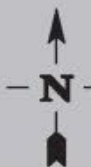
Madison Metropolitan Sewerage District



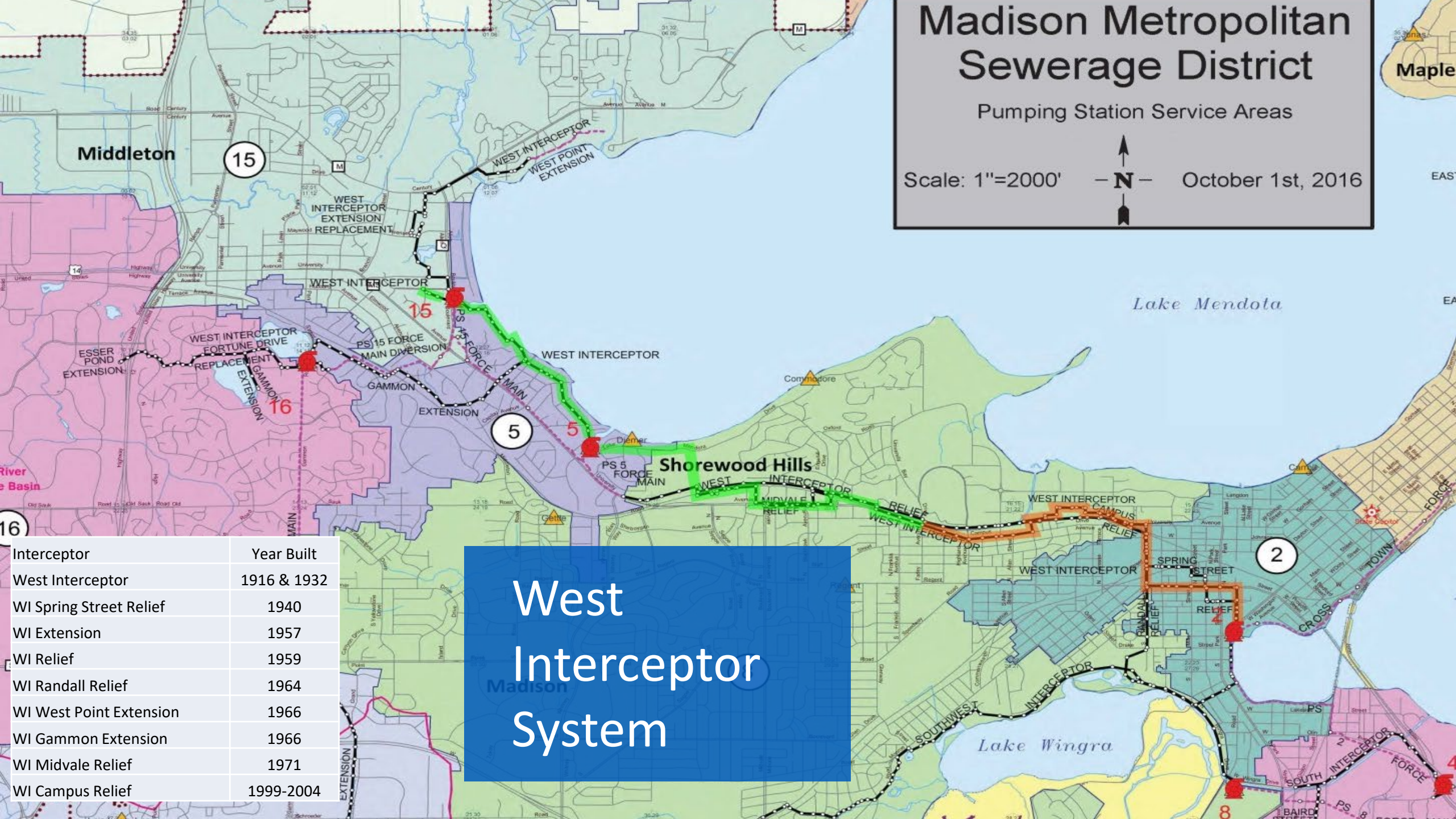
# Madison Metropolitan Sewerage District

Pumping Station Service Areas

Scale: 1"=2000'



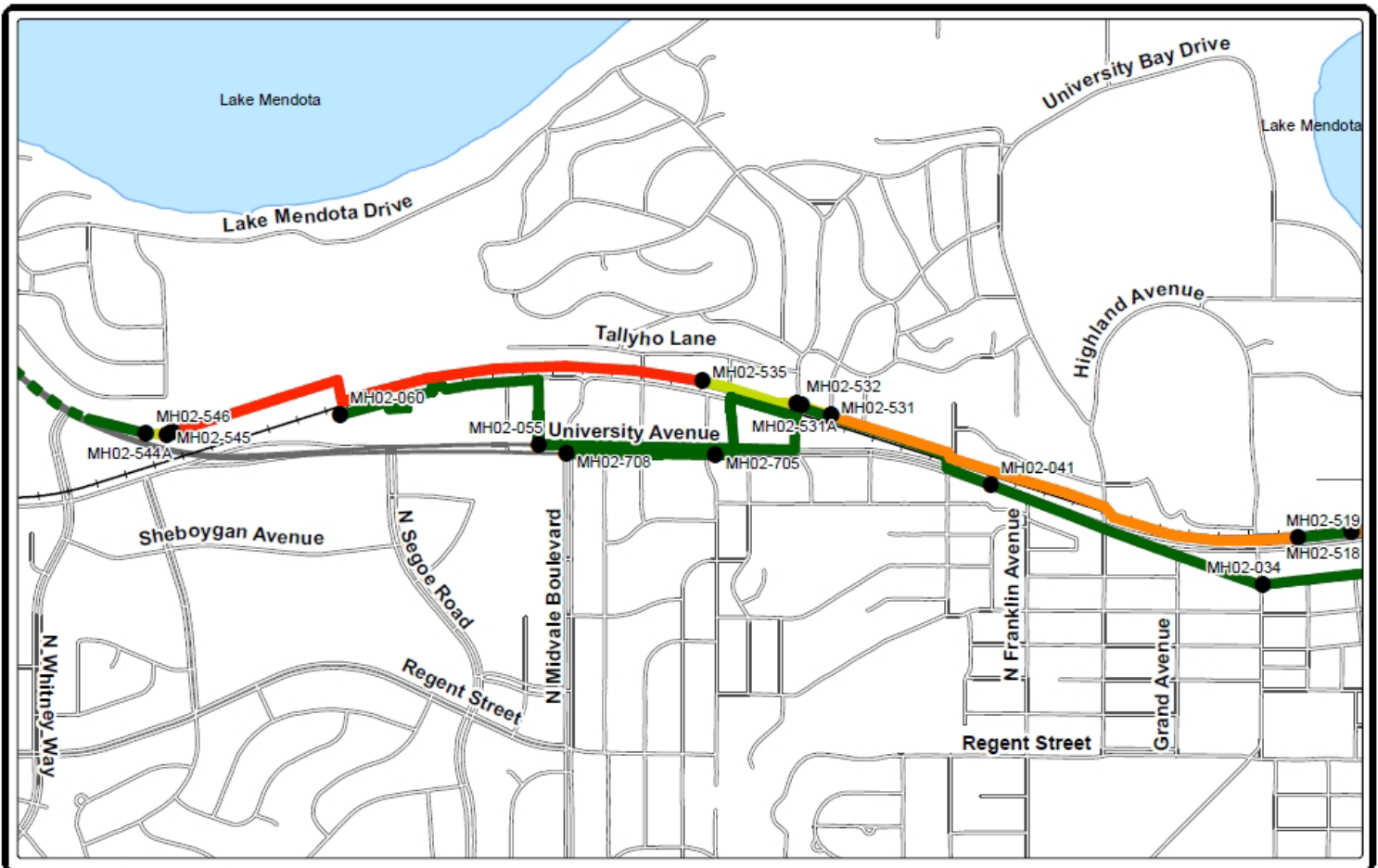
October 1st, 2016



Interceptor	Year Built
West Interceptor	1916 & 1932
WI Spring Street Relief	1940
WI Extension	1957
WI Relief	1959
WI Randall Relief	1964
WI West Point Extension	1966
WI Gammon Extension	1966
WI Midvale Relief	1971
WI Campus Relief	1999-2004

West  
Interceptor  
System

# Capacity Needs Drive the Project



# Project Phases and Current Status

Phase 1: Approx 5,700 ft  
Phase 2: Approx 1,500 ft

Phase 3 Shorewood: Approx 1,830 ft  
Phase 3 Highland: Approx 2,000 ft

Total:  
11,070 ft





500 Feet

SHWD RELIEF PHASE 1 (2021)

NEW SHWD HILLS MONITORING MH

August 2024 – May 2025

# Phase 3 – Shorewood Hills Section

SHOREWOOD BLVD

HARVARD DR

COLUMBIA RD

SWARTHMORE CT

WI-RELIEF (1959) REMAINS

ALIGNMENT TO AVOID BURR OAK TREE. WORK IN POOL DECK.

PROJECT START

PURDUE ST

NEW SHWD RLF PHASE 3  
1959 WI RELIEF REMAINS  
1932 OLD WI ABANDONED

WEST INTERCEPTOR (1932)

UNIVERSITY AVENUE

MARSHALL CT

PROJECT END

NEW JUNCTION MHS  
1959 WI-RELIEF &  
WI-SHOREWOOD RELIEF

HILL ST

SCHMITT PL

SHWD RELIEF PHASE 2 (2022)

WEST INTERCEPTOR (1932)

RIDGE

Sources: Esri, Airbus DS, Ueser, NGA, NASA, CNR, AN, N Rob, etc. Map created by re:public | Rijkswaterstaat, GSA, Geoland, EMA, Intermap and the GIS user community



UW HOSPITAL

May – September 2025

# Phase 3 – Highland Section

0 75 150 300 Feet

HIGHLAND AVENUE

WALNUT STREET

VA HOSPITAL

UNIVERSITY BAY DRIVE

NB Lanes Remain Open  
SB Lanes Will Close

NEW SHWD RLF PHASE 3  
1959 WI RELIEF REMAINS

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

CIPP (NO OPEN CUT)  
1959 WI RELIEF REMAINS  
MHs AT EACH END REMAIN

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

WI-RELIEF (1959)

UNIVERSITY AVENUE

Off Ramp to Highland Ave  
will Close

On Ramp from Highland Ave  
will Close

CAMPUS DRIVE

WEST INTERCEPTOR (1916)

FARLEY

SHWD RELIEF PHASE 2 (2022)

OLD

UNIVERSITY AVENUE

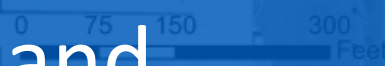
WEST INTERCEPTOR (1916)





# Phase 3 – Highland Section

## ByPass Pipe Installation



UW HOSPITAL

HIGHLAND AVENUE

WALNUT STREET

VA HOSPITAL

UNIVERSITY BAY DRIVE

ByPass Pipe Installation

Remain Open Will Close

NEW SHWD RLF PHASE 3 1959 WI RELIEF REMAINS

NEW SHWD RLF PHASE 3 REPLACES 1959 WI RELIEF

CIPP (NO OPEN CUT) 1959 WI RELIEF REMAINS MHs AT EACH END REMAIN

NEW SHWD RLF PHASE 3 REPLACES 1959 WI RELIEF

WI-RELIEF (1959)

UNIVERSITY AVENUE

On Ramp from Highland Ave will Close

Off Ramp to Highland Ave will Close

WEST INTERCEPTOR (1916)

CAMPUS DRIVE

FARLEY

SHWD RELIEF PHASE 2 (2022)

OLD

UNIVERSITY AVENUE

WEST INTERCEPTOR (1916)







# Phase 3 – Highland Section

## Stage 1 Traffic Control 6 Weeks

0 75 150 300 Feet

UW HOSPITAL

HIGHLAND AVENUE

WALNUT STREET

VA HOSPITAL

UNIVERSITY BAY DRIVE

NEW SHWD RLF PHASE 3  
1959 WI RELIEF REMAINS

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

CIPP (NO OPEN CUT)  
1959 WI RELIEF REMAINS  
MHs AT EACH END REMAIN

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

WI-RELIEF (1959)

UNIVERSITY AVENUE

On Ramp from  
Highland Ave  
will Close

CAMPUS DRIVE

Off Ramp to  
Highland Ave  
will Close

WEST INTERCEPTOR (1916)

FARLEY

SHWD RELIEF PHASE 2 (2022)

OLD

UNIVERSITY AVENUE

WEST INTERCEPTOR (1916)





# Phase 3 – Highland Section

## Stage 2 Traffic Control 4 Weeks

UW HOSPITAL

HIGHLAND AVENUE

WALNUT STREET

VA HOSPITAL

UNIVERSITY BAY DRIVE

NEW SHWD RLF PHASE 3  
1959 WI RELIEF REMAINS

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

CIPP (NO OPEN CUT)  
1959 WI RELIEF REMAINS  
MHs AT EACH END REMAIN

NEW SHWD RLF PHASE 3  
REPLACES 1959 WI RELIEF

WI-RELIEF (1959)

UNIVERSITY AVENUE

WEST INTERCEPTOR (1916)

On Ramp from  
Highland Ave  
will Close

CAMPUS DRIVE

Off Ramp to  
Highland Ave  
will Close

SHWD RELIEF PHASE 2 (2022)

OLD

UNIVERSITY AVENUE

WEST INTERCEPTOR (1916)





0 75 150 300 Feet

# Phase 3 – Highland Section

## Stage 3 Traffic Control 6 Weeks

UW HOSPITAL

HIGHLAND AVENUE

WALNUT STREET

VA HOSPITAL

UNIVERSITY BAY DRIVE

NEW SHWD RLF PHASE 3  
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WEST INTERCEPTOR (1916)

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SHWD RELIEF PHASE 2 (2022)

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UNIVERSITY AVENUE

WEST INTERCEPTOR (1916)



Madison Metropolitan Sewerage District



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**Questions?**

# Thank you

