

NARRATIVE

Project Description

- The purpose of this project is to construct a fiber optic network within the city of Medina, MN for Midcontinent Communications (Midco). The project entails multiple crossings that fall within the watersheds district. All crossings in the area will be permitted under one permit.
- All the proposed crossings will be horizontally directionally drilled; with the drill being set up a minimum of 100' away from each of the said crossings, unless noted otherwise on overviews.

Planned Erosion and Sedimentation Control Practices

-Our method of installation will not require surface destabilization; only if/when other existing utilities impede our path to installation will destabilization be required. If needed, surface stabilization will be accomplished with existing vegetation, straw mats and straw wattles until regrowth occurs in affected areas. Affected areas will be hand dug holes to locate any potential utilities in conflict with the installation of the proposed utility. Those potential affected areas will not be known until proximity to the installation date.

-For setbacks under 100' due to geographic or existing roadway circumstances, straw wattles will be placed around the drill rig until drilling is complete. Once the drill rig is removed from the location, The first erosion control practice(s) will be utilized for the area within the wattles as stated in the previous paragraph. The wattles originally around the drill will remain until regrowth occurs within the affected area. The specific location for the drill to be setup within 100' will be carefully selected so as to maintain stream or wetland integrity with minimal disturbance to be re-stabilized.

CONSTRUCTION SCHEDULE

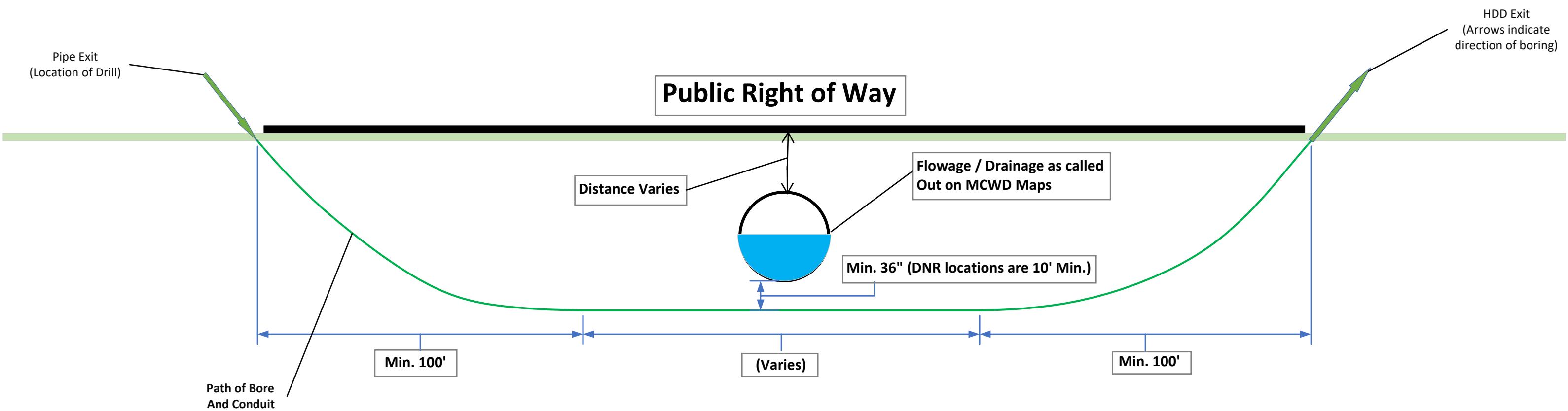
1. Obtain plan approval and other applicable permits.
2. Flag the work area and note setbacks for equipment no closer than 100 feet from waterbody.
3. If a disturbance in the soil is necessary, straw wattles will be placed near the soil collection mounds to impede runoff or erosion to the waterbody. (See also under 100 foot setback erosion plan)
4. Install conduit under waterway/wetland in accordance with this permit.
5. Disturbed areas will be backfilled, compacted to 3" lower than grade; loose fill soil will then be placed to grade with seed to initiate re-stabilization.
6. Install temporary straw mats and wattles over and around any destabilized surface areas that were required for the installation of the conduit.
7. All soil and erosion control methods implemented will be monitored after rainfall events and no longer than weekly. Needed repairs will be made promptly.
8. After site(s) is stabilized, remove all temporary measures.

Reroute Statement

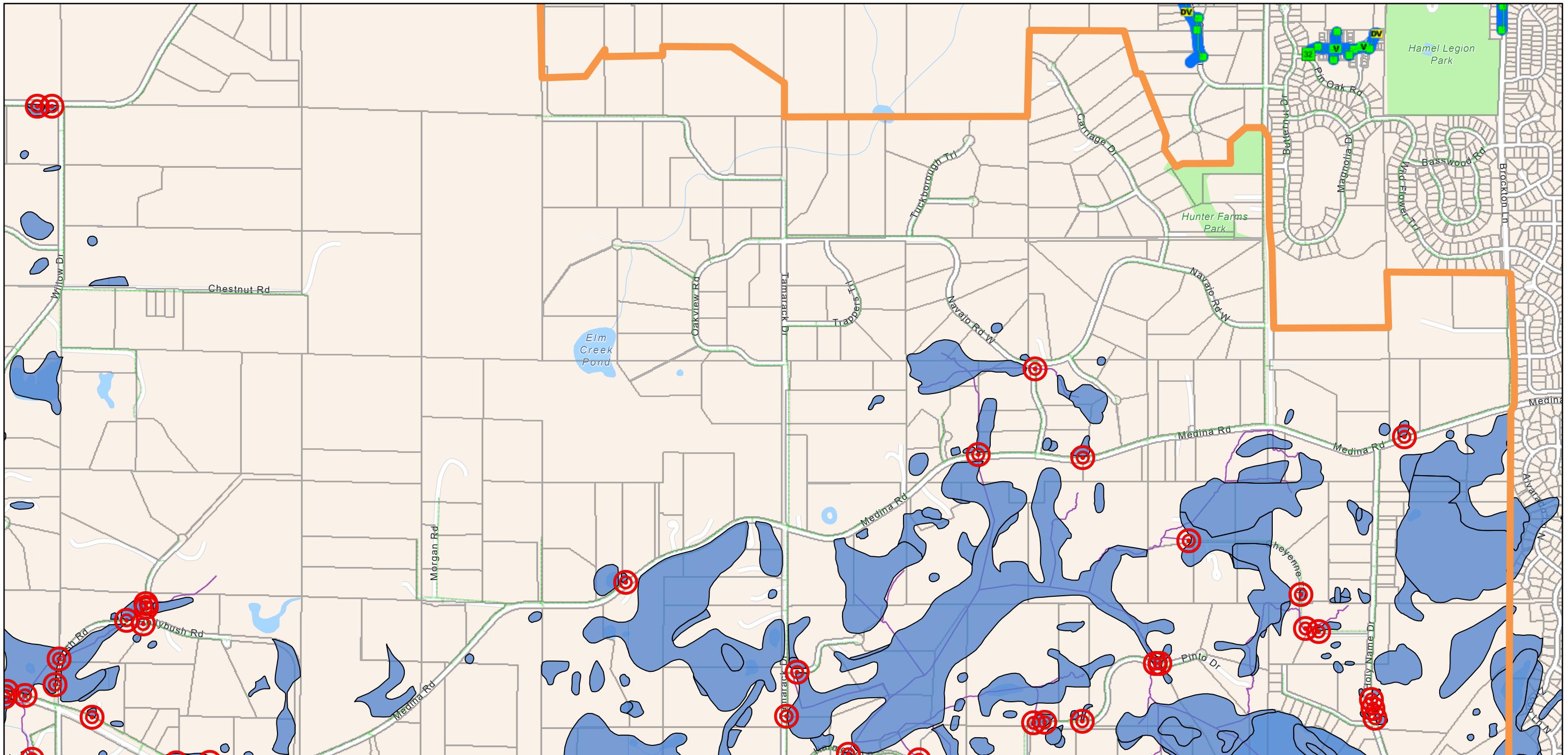
We are servicing fiber optic cable to all parcels within City limits. Reroute(s), while technically possible, would not eliminate substantial amounts of watershed stream locations. Reroute(s) that would lower the overall number affected locations would simultaneously prohibit certain parcels from being able to be serviced with fiber optic cables for our project. We will be horizontally Directionally drilling everything, setting up at a minimum of 100' from the stream or waterbody. Minimal impact will be exercised at all locations.

General Overview

Overviews of each crossing or parallel are included in this permit application. The MCWD Stream Order Map, MS4 Data Set and the Functional Assessment of Wetlands feature layers were overlayed onto our mapping system temporarily for ease of visualization. These overviews will indicate which side of a public road right-of-way we intend to drill. The specific distance from centerline will be determined when locates become valid during construction. Due diligence will be taken when choosing the route to be as minimally invasive as possible. The specific location of the bore path start pit and stop pit will vary but will be **at least 100'** from the wetland or stream, unless noted otherwise on the overviews. The wetlands classified as "NA" or "NW" are omitted from this application, unless they happen to be near classified wetlands in the overview. They will be noted as such. For the "wetlands" that are encompassed by houses and roads, overviews are included in this permit application with a callout indicating distances assumed. A side profile will be included at the beginning of the permit pack. Those specifications indicated will be followed anytime there is a crossing of a stream or wetland, as called out in the MCWD dataset. In the instance a crossing also requires a MNDNR crossing permit, we are mandated to be 10' below culvert and or thalweg.



2026 Medina Overview Northeast MCWD



2/5/2026, 11:09:11 AM

1:18,056

0 0.15 0.3 0.45 0.6 mi
0 0.23 0.3 0.45 0.5 0.9 km

MCWD_FAW_gdb - MCWD_FAW

MCWD_STREAM_ORDER_gdb - MCWD_STREAM_ORDER

Trench

<all other values>

No

Yes

Running Line

Bore

Trench

Chambers

Large Vault

PON Cabinet

Pedestal

Small Vault

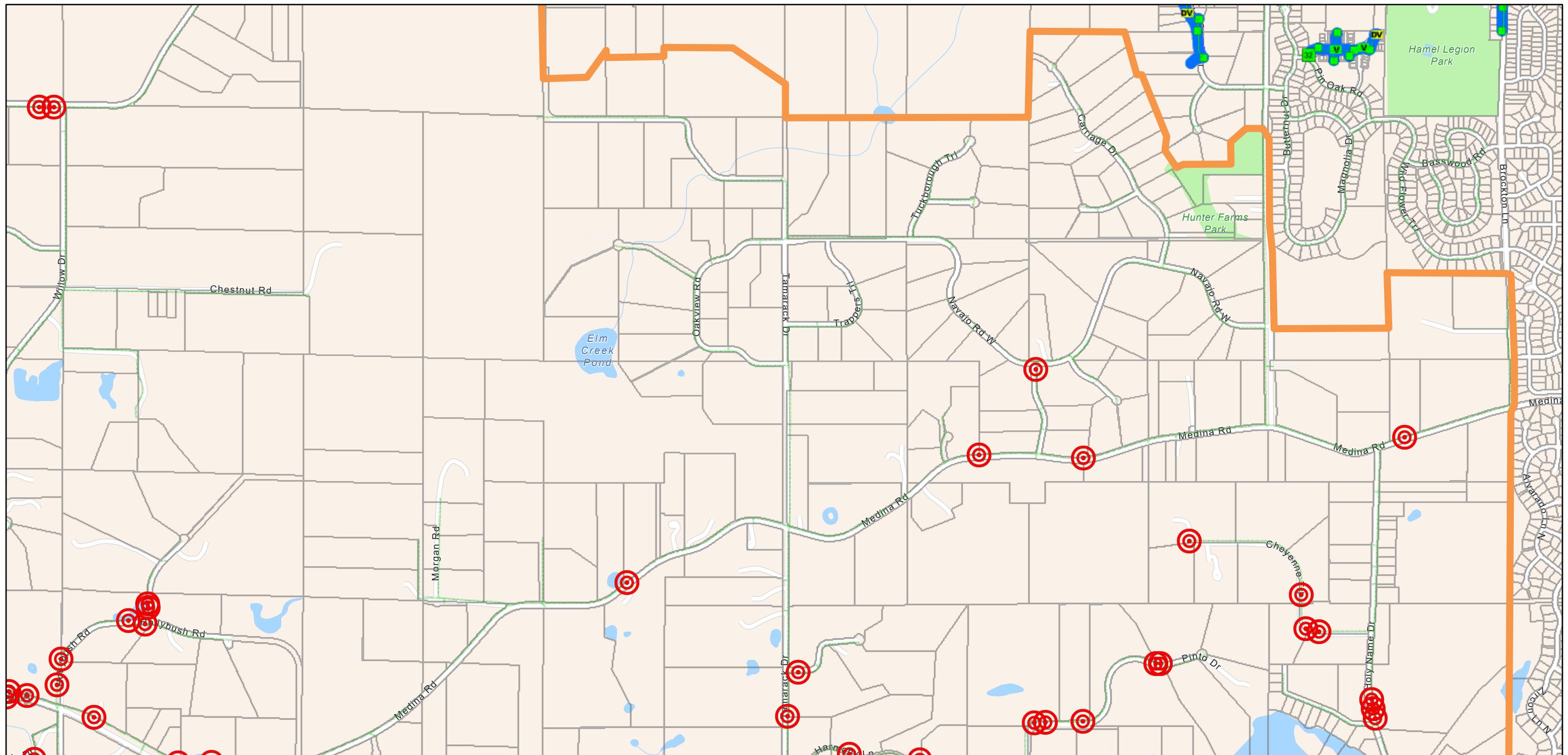
Drop Vault

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |

2026 Medina Overview Northeast



2/5/2026, 11:10:41 AM

1:18,056

Trench
- - - <all other values>
- - - No
- - - Yes

Running Line
Bore
Trench

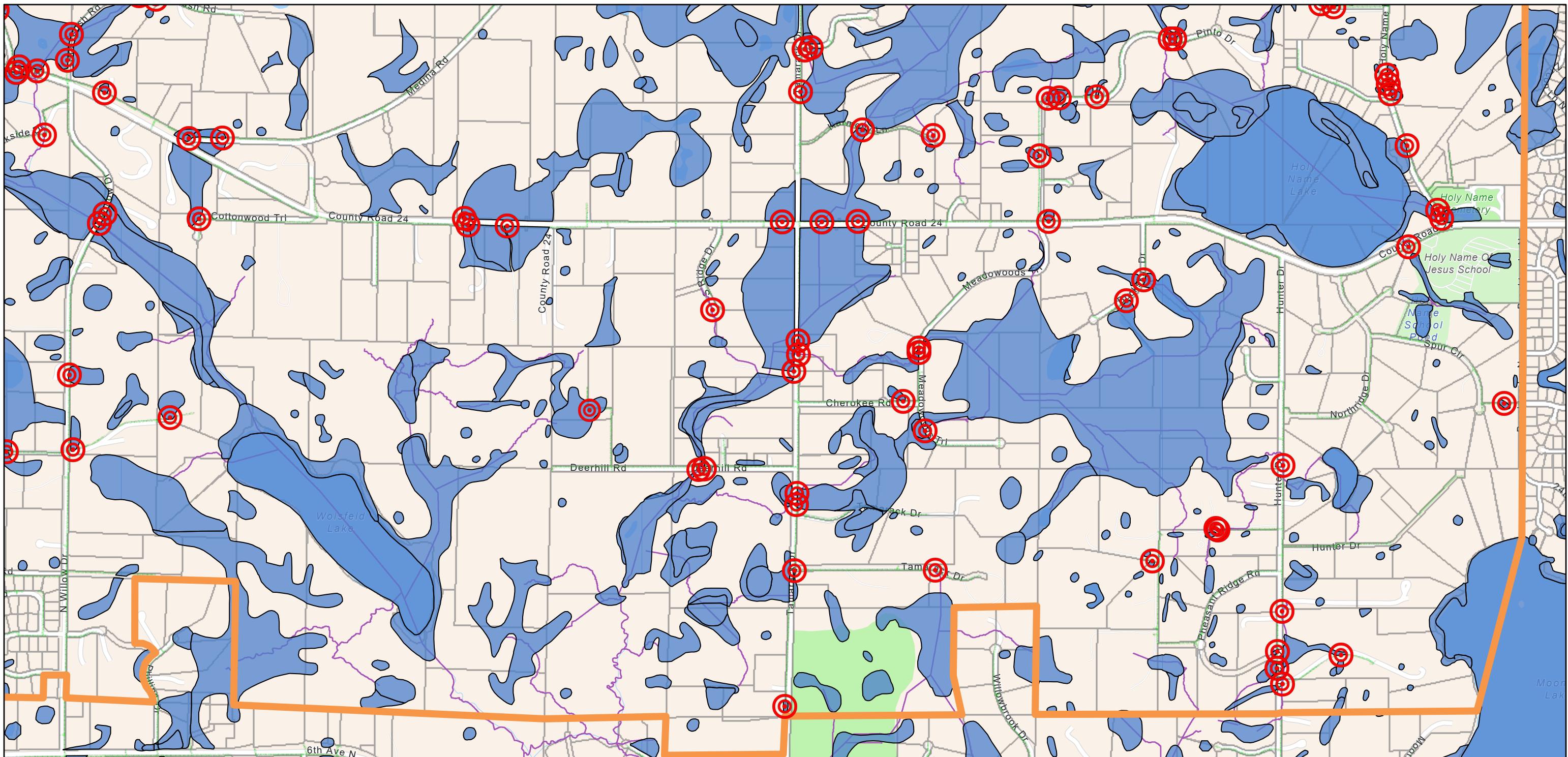
Chambers
Large Vault
Trench
Pedestal

Small Vault
Drop Vault
PON Cabinet

0 0.15 0.3 0.45 0.6 mi
0 0.23 0.3 0.45 0.9 km

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

2026 Medina Overview Southeast MCWD



2/5/2026, 11:13:14 AM

1:18,056

MCWD_FAW_gdb - MCWD_FAW

No

MCWD_STREAM_ORDER_gdb - MCWD_STREAM_ORDER

Yes

Yes

Trench

<all other values>

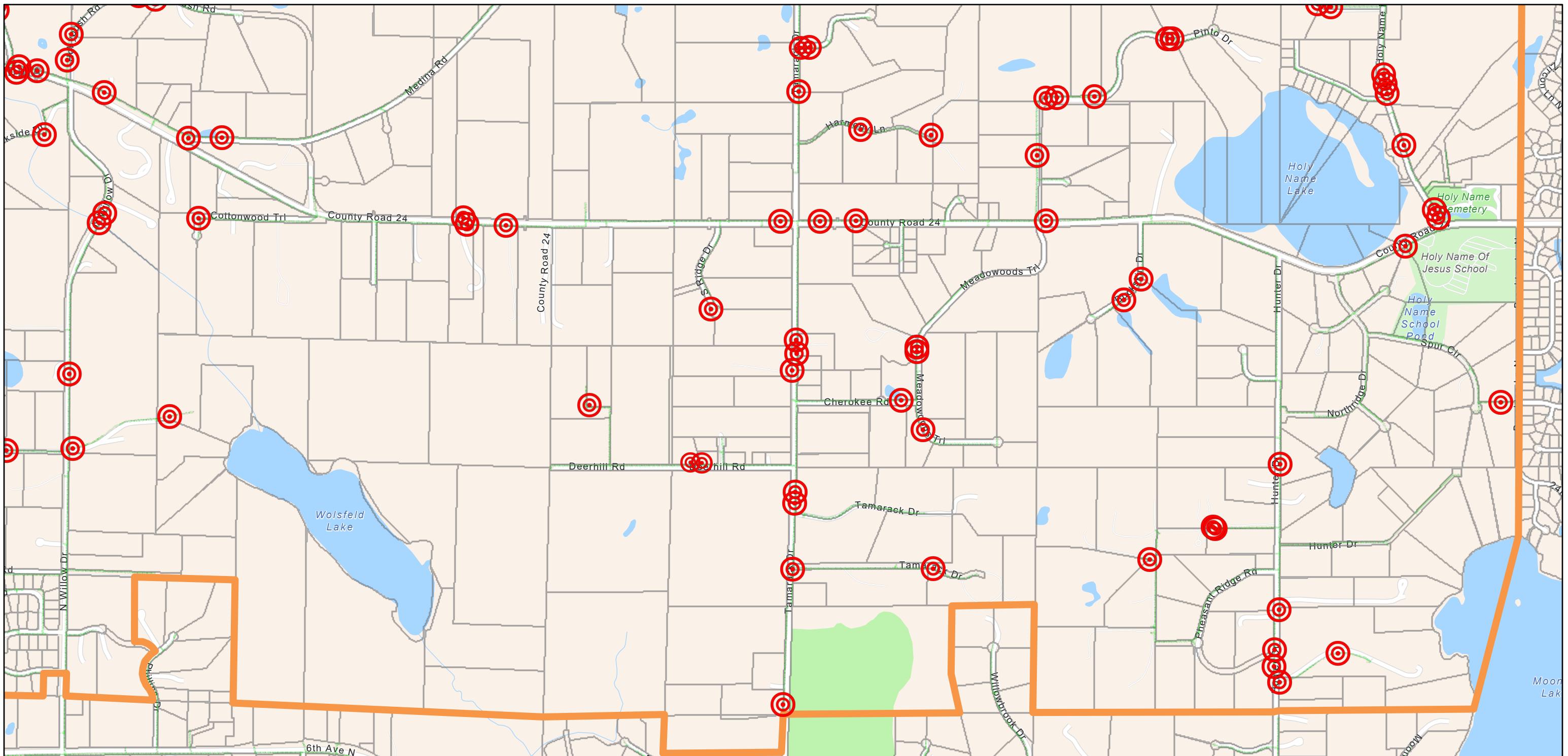
0 0.15 0.3 0.45 0.6 mi
0 0.23 0.3 0.45 0.9 km

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |

2026 Medina Overview Southeast



2/5/2026, 11:12:01 AM

1:18,056

0 0.15 0.3 0.45 0.6 mi
0 0.23 0.3 0.45 0.9 km

Trench

--- <all other values>

--- No

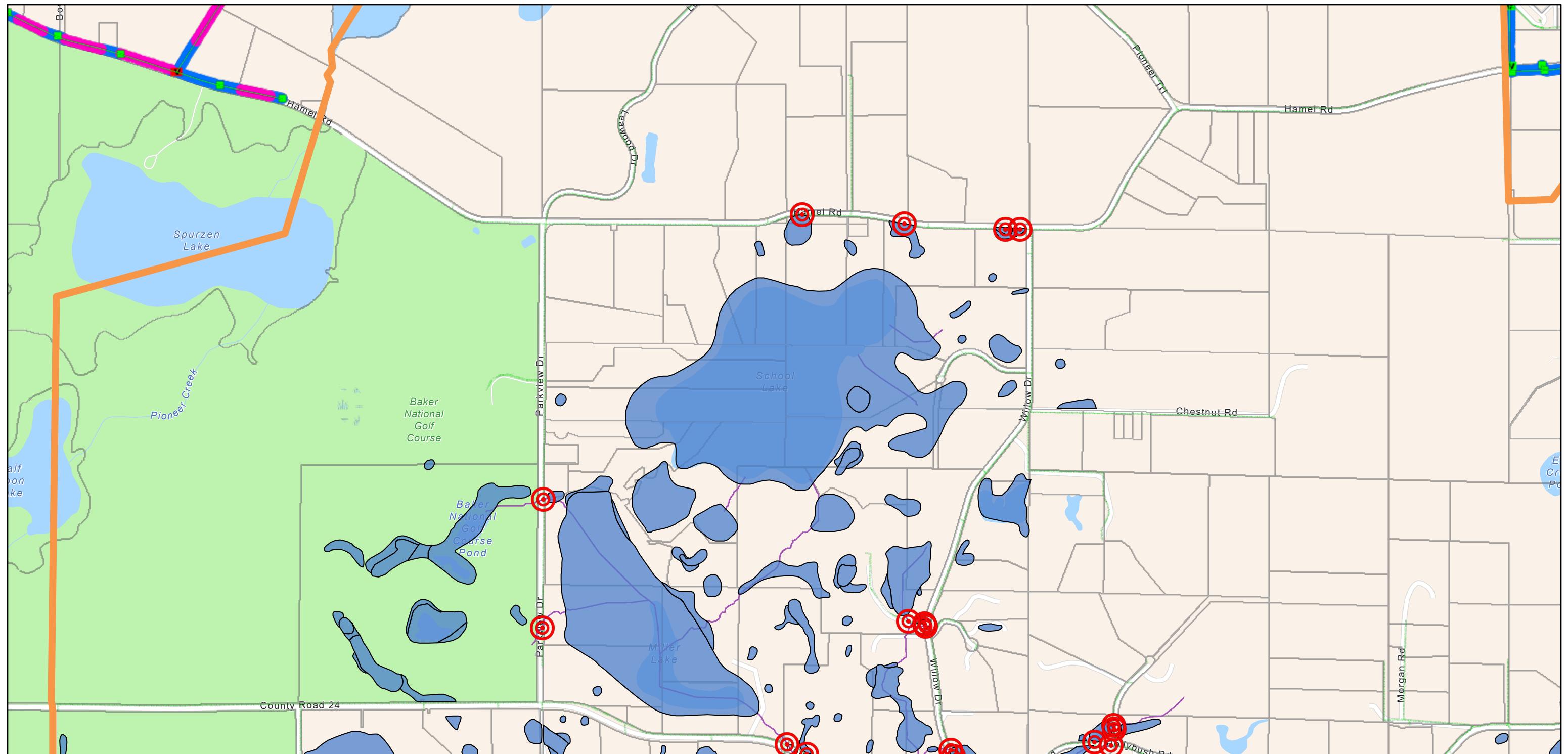
--- Yes

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |

2026 Medina Overview Northwest MCWD



2/5/2026, 11:07:48 AM

1:18,056

0 0.15 0.3 0.6 mi
0 0.23 0.45 0.9 km

MCWD_FAW_gdb - MCWD_FAW

MCWD_STREAM_ORDER_gdb - MCWD_STREAM_ORDER

Trench

<all other values>

No

Yes Chambers

Running_Line Large Vault

Bore Pedestal

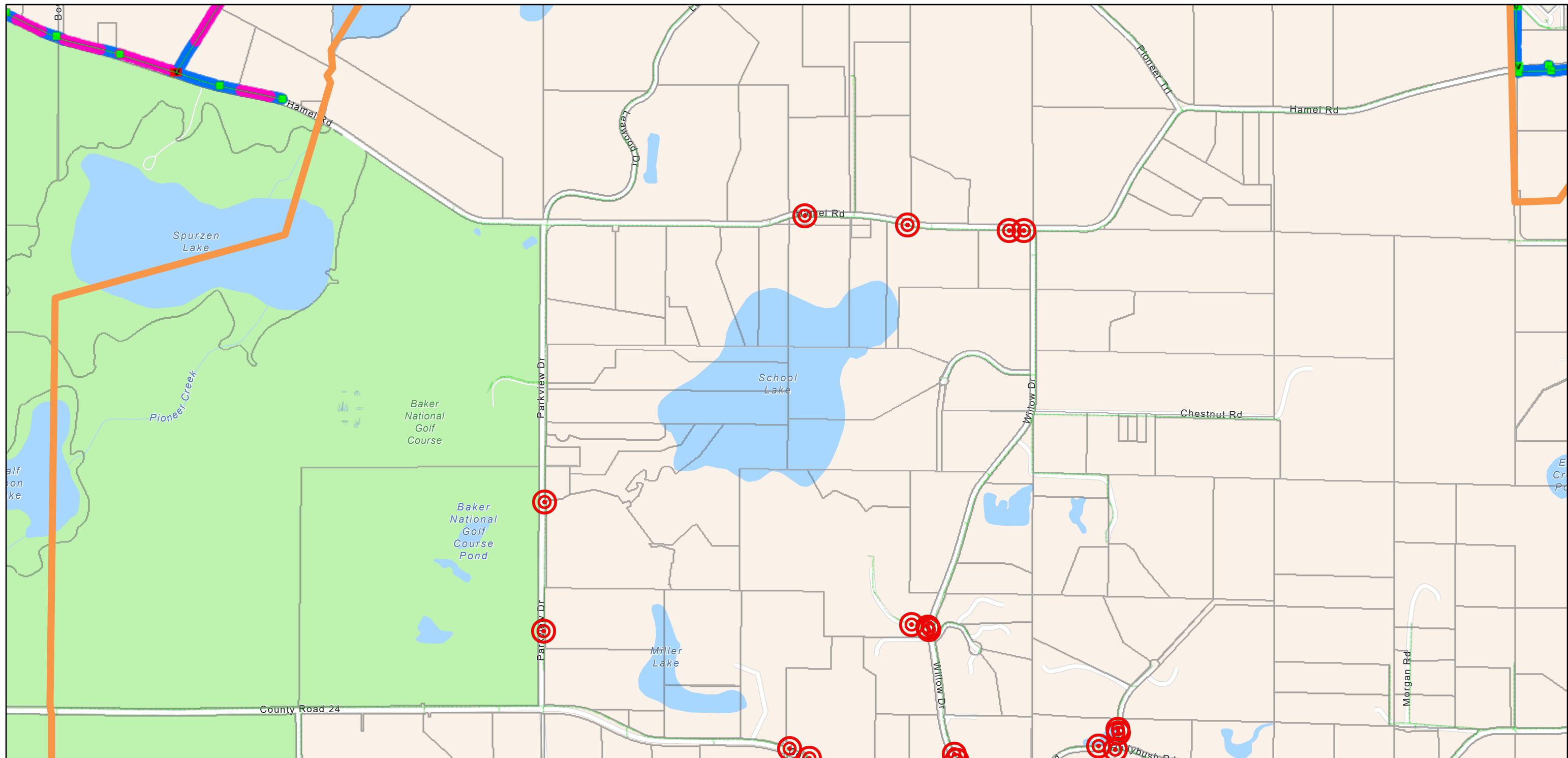
Plow Small Vault

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

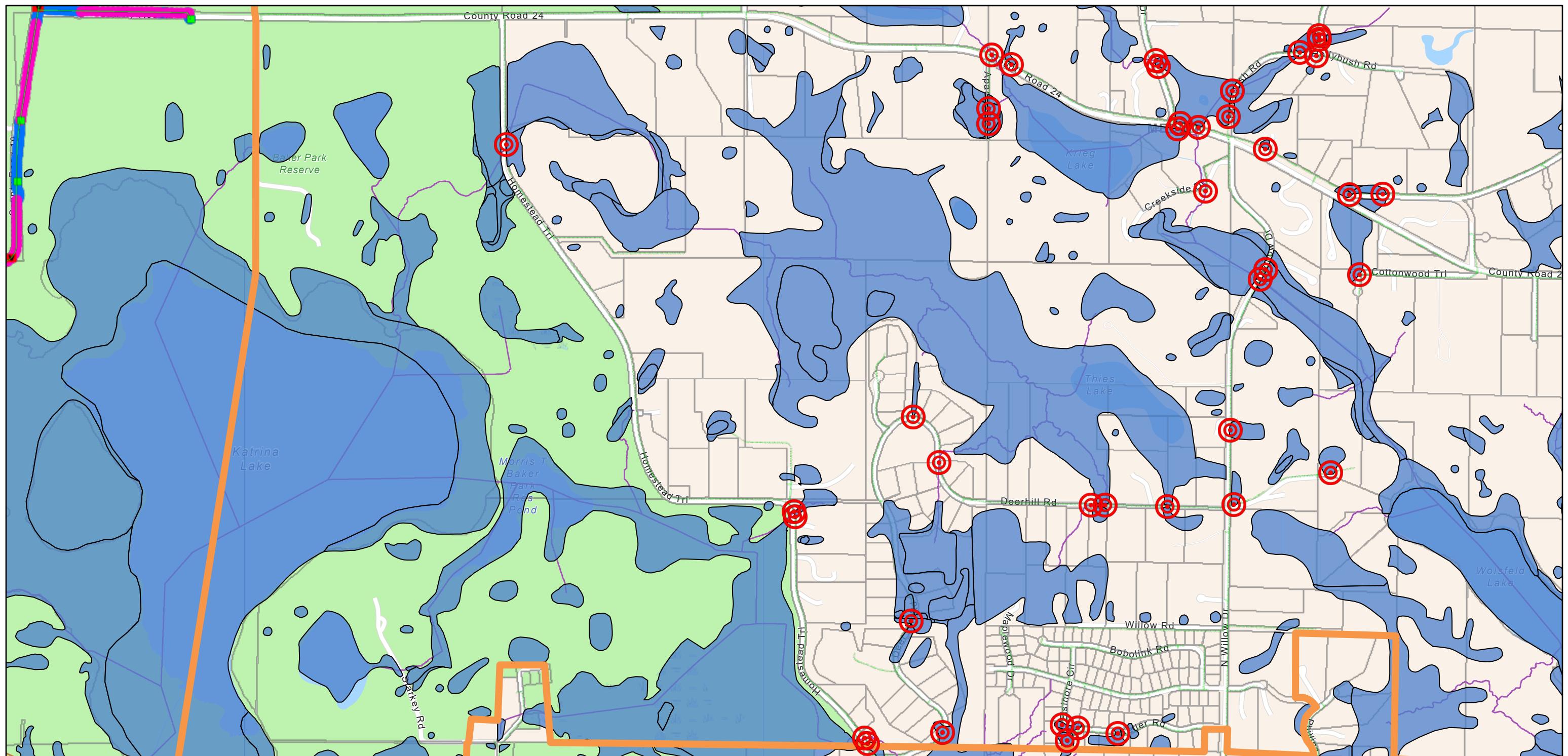
Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |

2026 Medina Overview Northwest



2026 Medina Overview Southwest MCWD



2/5/2026, 11:02:06 AM

1:18,056

0 0.15 0.3 0.6 mi
0 0.23 0.45 0.9 km

MCWD_FAW_gdb - MCWD_FAW

Yes Chambers

MCWD_STREAM_ORDER_gdb - MCWD_STREAM_ORDER

Running Line Large Vault

Trench

Bore Pedestal

<all other values>

Plow

No

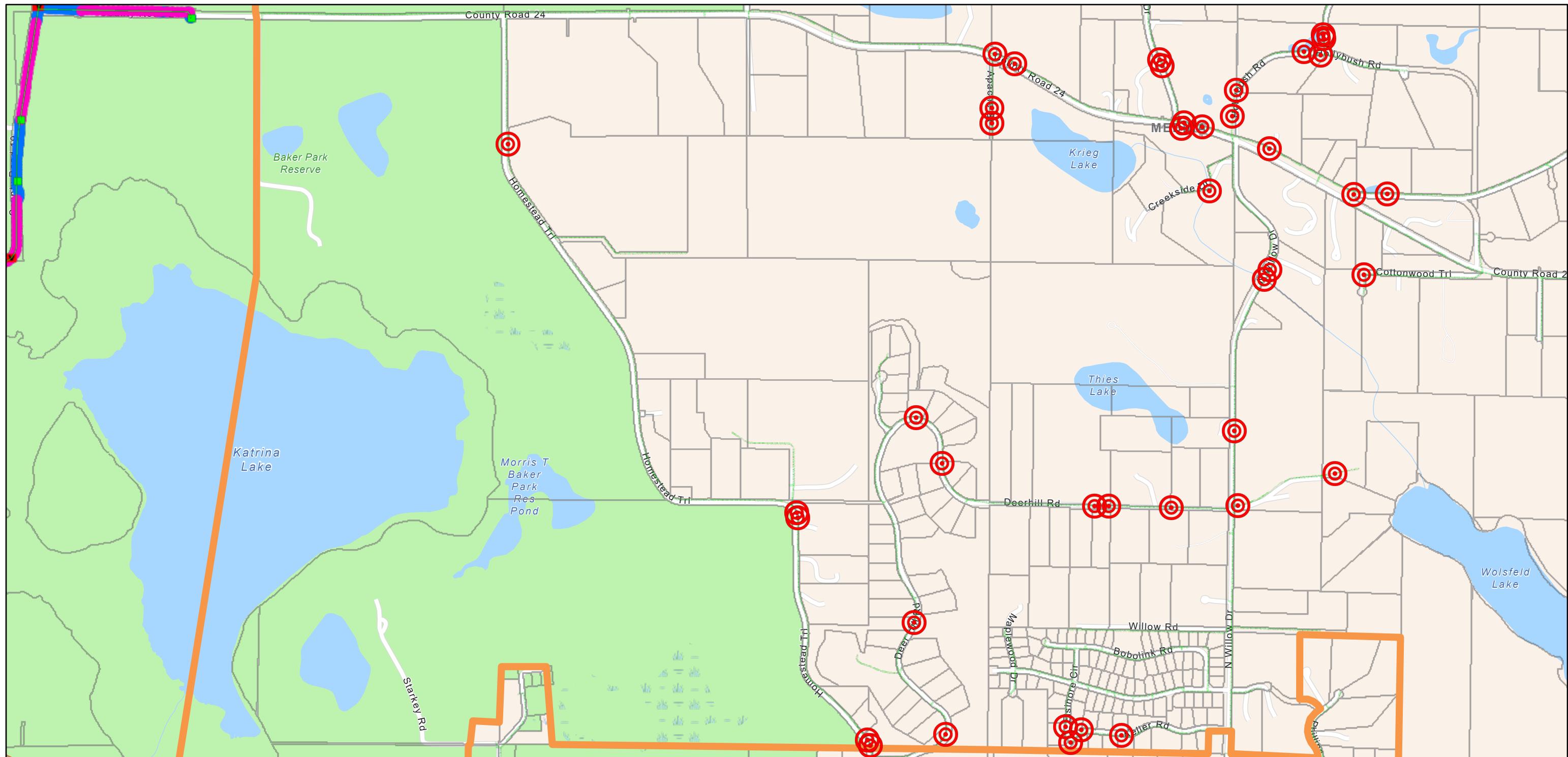
Trench

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |

2026 Medina Overview Southwest



2/5/2026, 11:03:19 AM

1:18,056

Trench

Yes

Plow

Chambers

----- <all other values> Running_Line

Trench

No

Bore

Large Vault

Pedestal

0 0.15 0.3 0.6 mi

0 0.23 0.45 0.9 km

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Web AppBuilder for ArcGIS

Esri Community Maps Contributors, Metropolitan Council, MetroGIS, Three Rivers Park District, MN Dept Natural Resources, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS |