



2021 Buda Bond Program

City Council Meeting - March 19, 2024

Middle Creek Drive (M17)

Public Engagement Report and Proposed Schematic Design

Resolution #2021-R-42: ..."for streets, roads, and intersections including...Middle Creek Drive...and also including...operational improvements, purchase of necessary ROW, design costs,...drainage, and other related costs."

1,379 votes = 74.4% "For" and 25.6% "Against"



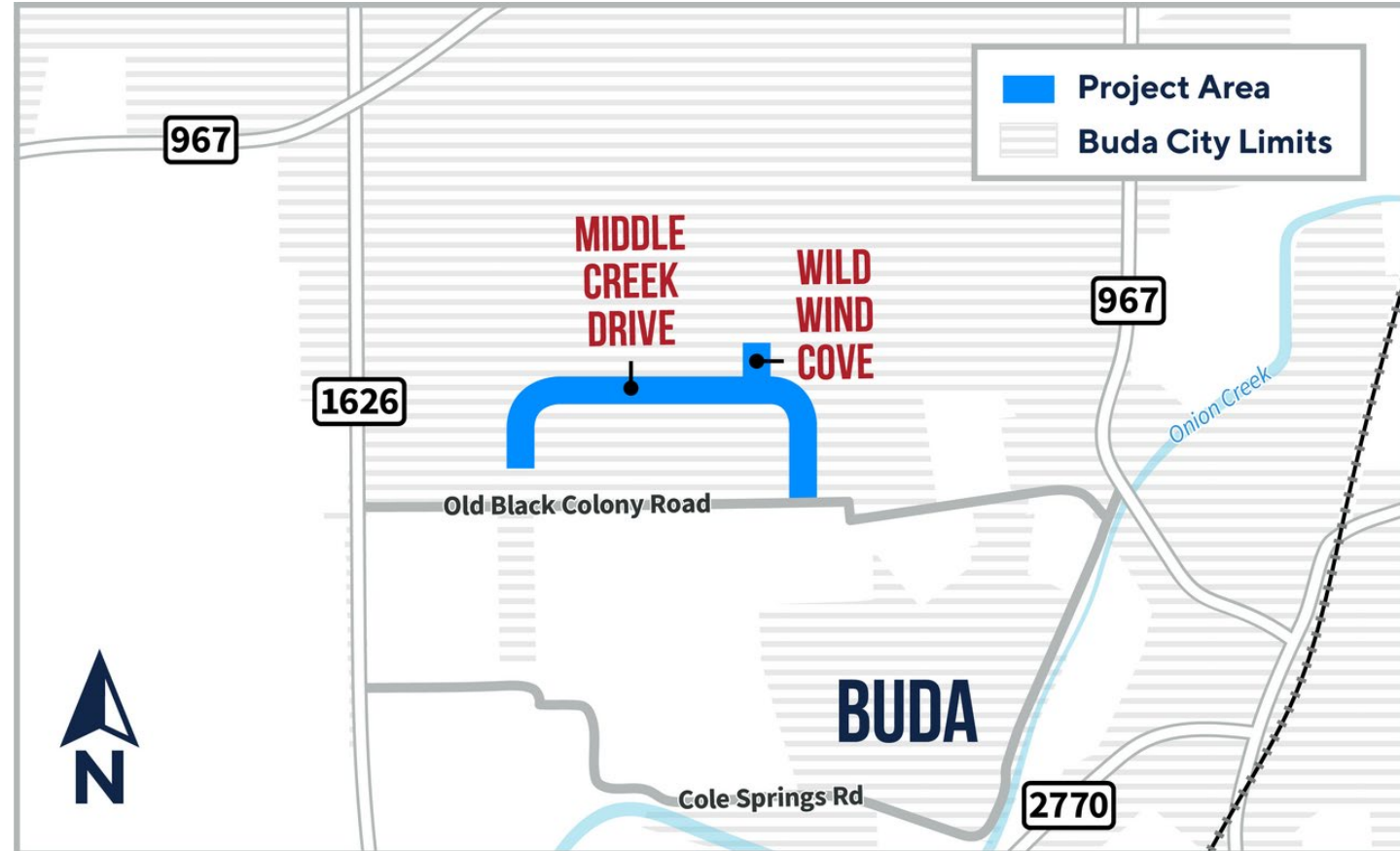
Middle Creek Drive Project Overview



Purpose: Resolve the failed pavement conditions and intercept and relieve the elevated groundwater table to provide a 20-year roadway.

Improvements include:

- Remove existing pavement
 - Install perforated drainage pipe along both sides of the road to collect and convey groundwater
 - Replace 19" of pavement with a compacted base and new asphalt
 - Project includes providing stormwater stub outs for residents on Middle Creek Drive and Wild Wind Cove
- ✓ October 16 - BBOC Reviewed
 - ✓ January 2-19 - Virtual Open House/Comments
 - ✓ January 17 - Open House/Public Meeting
 - ✓ February 26 - BBOC Endorsement



Goal: Gain City Council approval for the Middle Creek Drive Schematic Design.

Middle Creek Drive Data Driven Design



Preliminary Engineering Report: Findings and recommendations 211-page report focused on the area indicated at right.

Data Considerations

- The Buda Limestone acts as a perched aquifer. Geospatial analysis conducted by Aqua Strategies at the properties that **reported** problems with shallow groundwater.
- There is a “clear need for pavement design that mitigates shallow groundwater issues on Middle Creek Drive between Bayou Bend Dr and Serene Hollow, and on Wild Wind Cove.”
- Widening alternative would require relocation of trees, vegetation, utilities, sidewalks, signage, pedestrian, and roadway facilities (+\$3M for the latter three) – this increases impervious cover
- Due to the imposing cost of widening the existing roadway, the design team applied a non-widening alternative in the design (page 11 of PER).

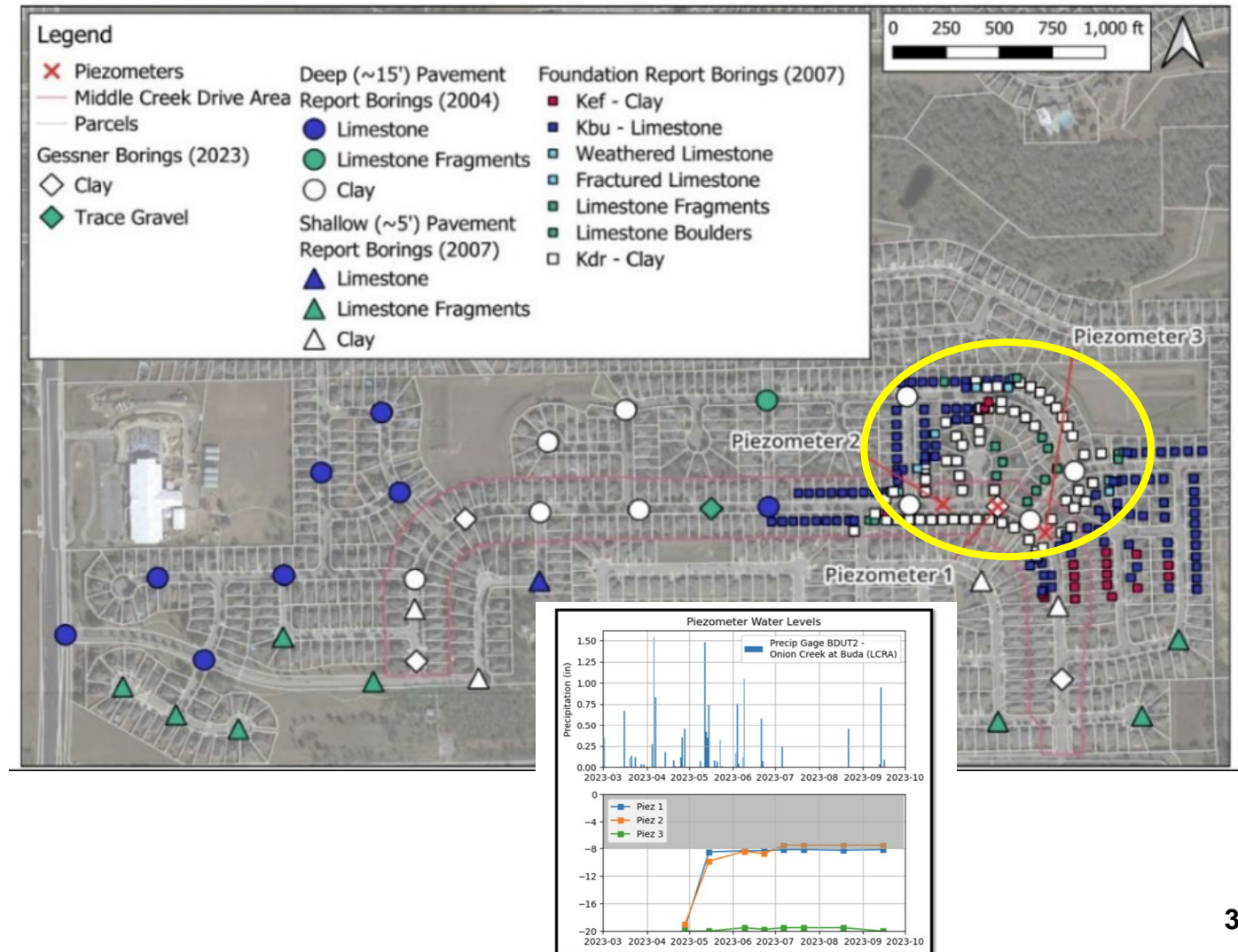
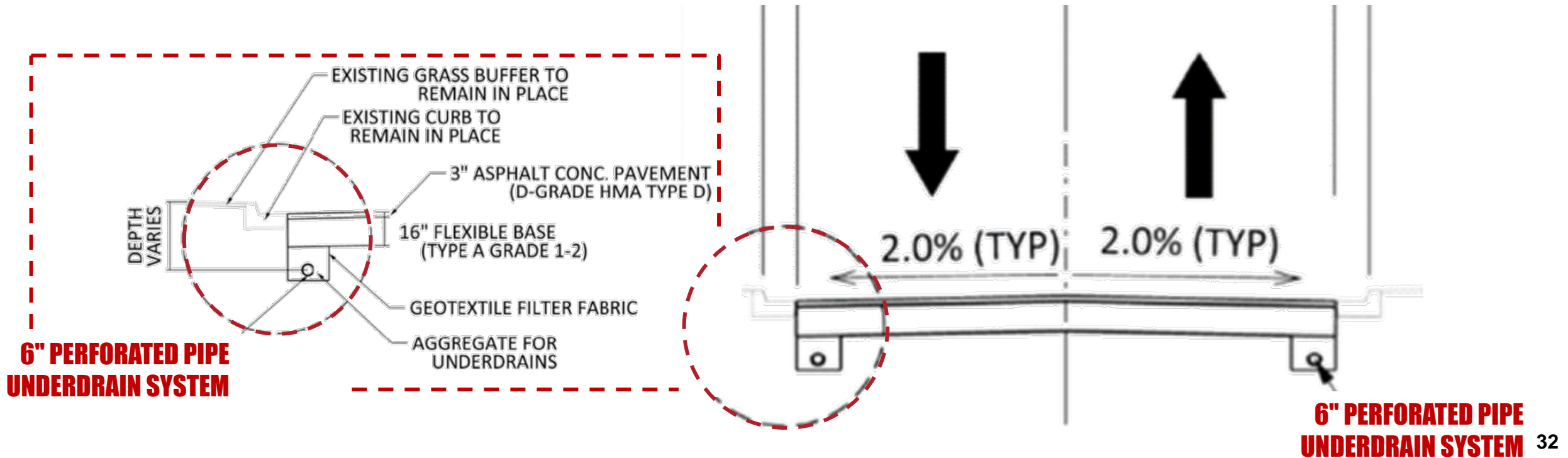


Figure 3: Piezometer water levels and precipitation near site from March – September 2023.

Non-Widening Alternative - Considerations

- Design solution to extend life of pavement
- Identify & address groundwater issue: perched aquifer
- Fiscally feasible
- Minimize impact to neighborhood
- Driveways, curb and gutter to remain in place, except for a few locations where pavement is not draining correctly



Public Engagement Summary – Middle Creek Drive

Open House Jan. 17 & Virtual Open House Jan. 2 – Jan. 19

- ~10 in person attendees and 358 virtual participants
- There were 2 online comments and 2 emailed comments received.



OPEN HOUSE

MIDDLE CREEK DRIVE REHABILITATION

BUDA BONDS 2021

VIRTUAL OPEN HOUSE
TUESDAY, JAN. 2 – FRIDAY, JAN. 19
BudaBonds.com

IN-PERSON OPEN HOUSE
WEDNESDAY, JAN. 17 | 6 – 7:30 p.m.
Buda City Hall, 405 E. Loop St.

BUDA NEWS

Graphic by Barton Publications

Staff Report on January 2, 2024

City of Buda to host open house for Middle Creek Drive Rehabilitation Project

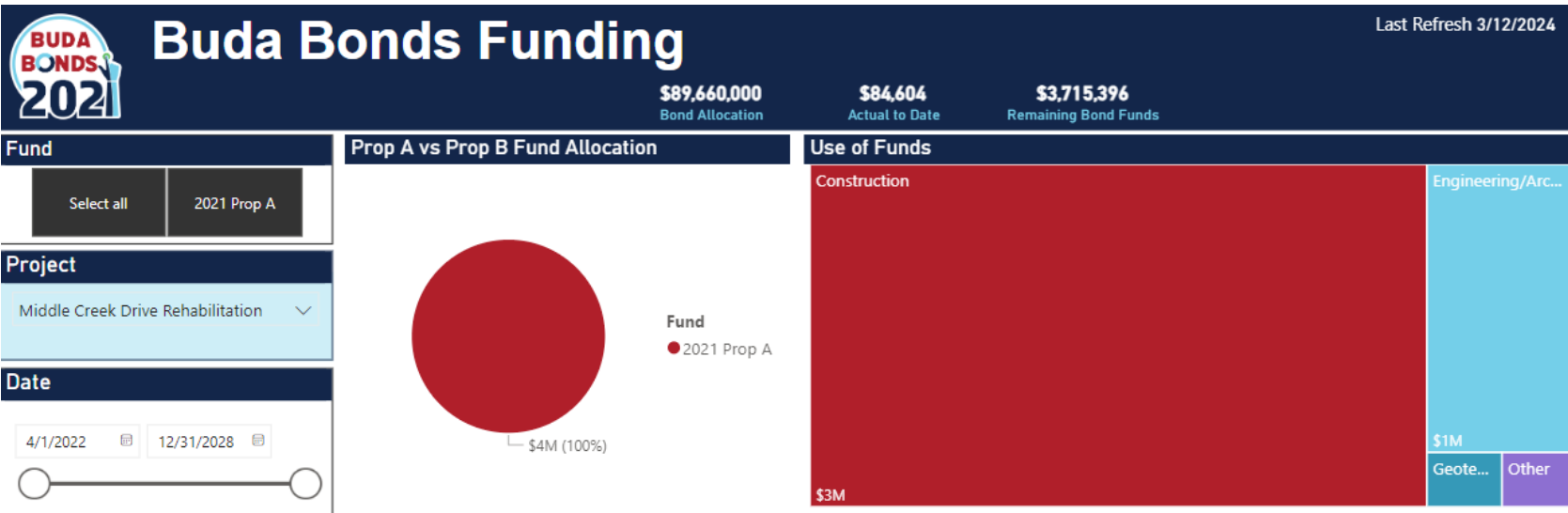
BUDA – The city of Buda is hosting an open house to share more information on the Middle Creek Drive Rehabilitation Project.

As part of the voter-approved 2021 Buda Bonds Proposition A Projects, the city of Buda is planning to rehabilitate Middle Creek Drive. The rehabilitation will address ground water and repair the pavement to improve the condition and extend the life of the roadway.

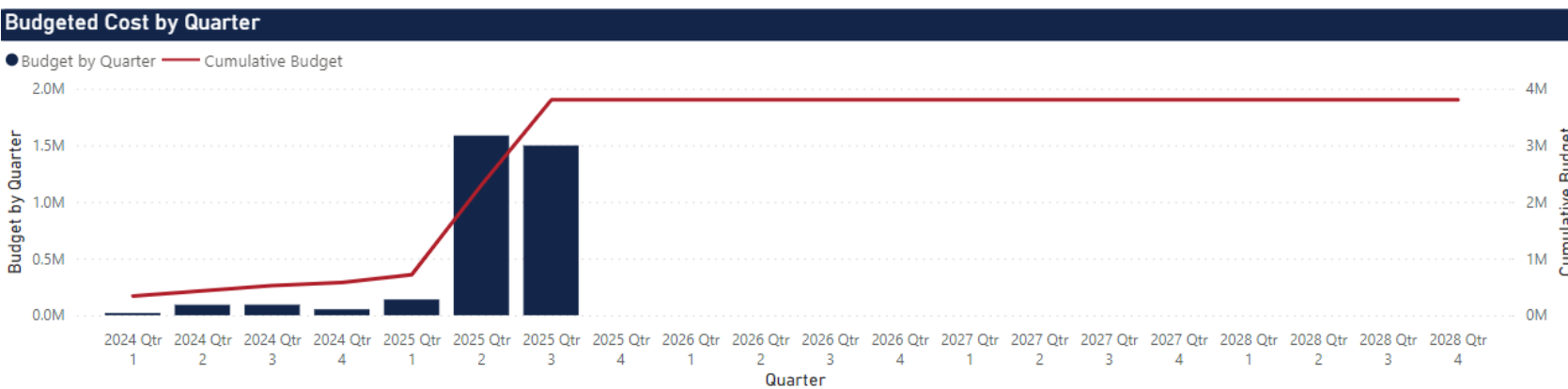
A virtual open house will be Jan. 2-19 at BudaBonds.com and an in-person open house will occur from 6-7:30 p.m. on Wednesday, Jan. 17, at Buda City Hall.

The comment period will be open from Tuesday, Jan. 2 to Friday, Jan. 19. Comments can be submitted during the in-person open house, through the website at BudaBonds.com, by email at budabonds@budatx.gov, or by mail to Buda Bonds Projects, PO Box 5459, Austin, TX 78763.

Middle Creek Drive – Project Fiscal Transparency



Reference Budabonds.com Fiscal Transparency website:



Project	Bond Allocation	Actual to Date	Remaining Bond Funds
Middle Creek Drive Rehabilitation	\$3,800,000	\$84,604	\$3,715,396
Total	\$3,800,000	\$84,604	\$3,715,396



Middle Creek Drive – Project Notes

1. The project scope focuses on Middle Creek Drive per the BBAC and Prop A election to adequately **resolve the existing perched aquifer/groundwater issues**.
2. The proposed improvements are recommended by the design team as a **best faith design and project effort** to address the issue of a perched aquifer.
3. The **perforated pipes along both sides of the roadway will drain to the existing stormwater system**.
4. The proposed schedule includes bidding before end of the calendar year.
5. Right-of-way or **easement acquisition not required**.
6. Construction phasing will **prioritize resident access** during construction as well as emergency services, mail, trash, deliveries, and other services. *There may be necessary inconveniences.*
7. A public engagement meeting was held, information is available on www.BudaBonds.com.
8. To ensure **constant communication**, we will place flyers, door hangers, and/or yard signs (at postal boxes) in the neighborhood in advance of construction.

What We Heard - Common Themes

- ✓ Overall, there was a general agreement that **improvements are needed** to address drainage concerns on Middle Creek Drive.
- ✓ Respondents noted **concerns with flooding and drainage** issues.
- ✓ A **permitting process exists** for residents to connect existing (or newly installed) sump pumps to new drainage to stub-outs.
- ✓ Respondents suggested that surveys be conducted on **other roads in Whispering Hollow** not just Middle Creek Drive.



Middle Creek Drive - What's Next?

Receive any additional Council discussion and comments.

Recommended action: Council approves the proposed roadway rehabilitation plan as presented.

Next for Middle Creek Drive:

- Summer 2024 – Complete design and proceed to bidding phase.

