

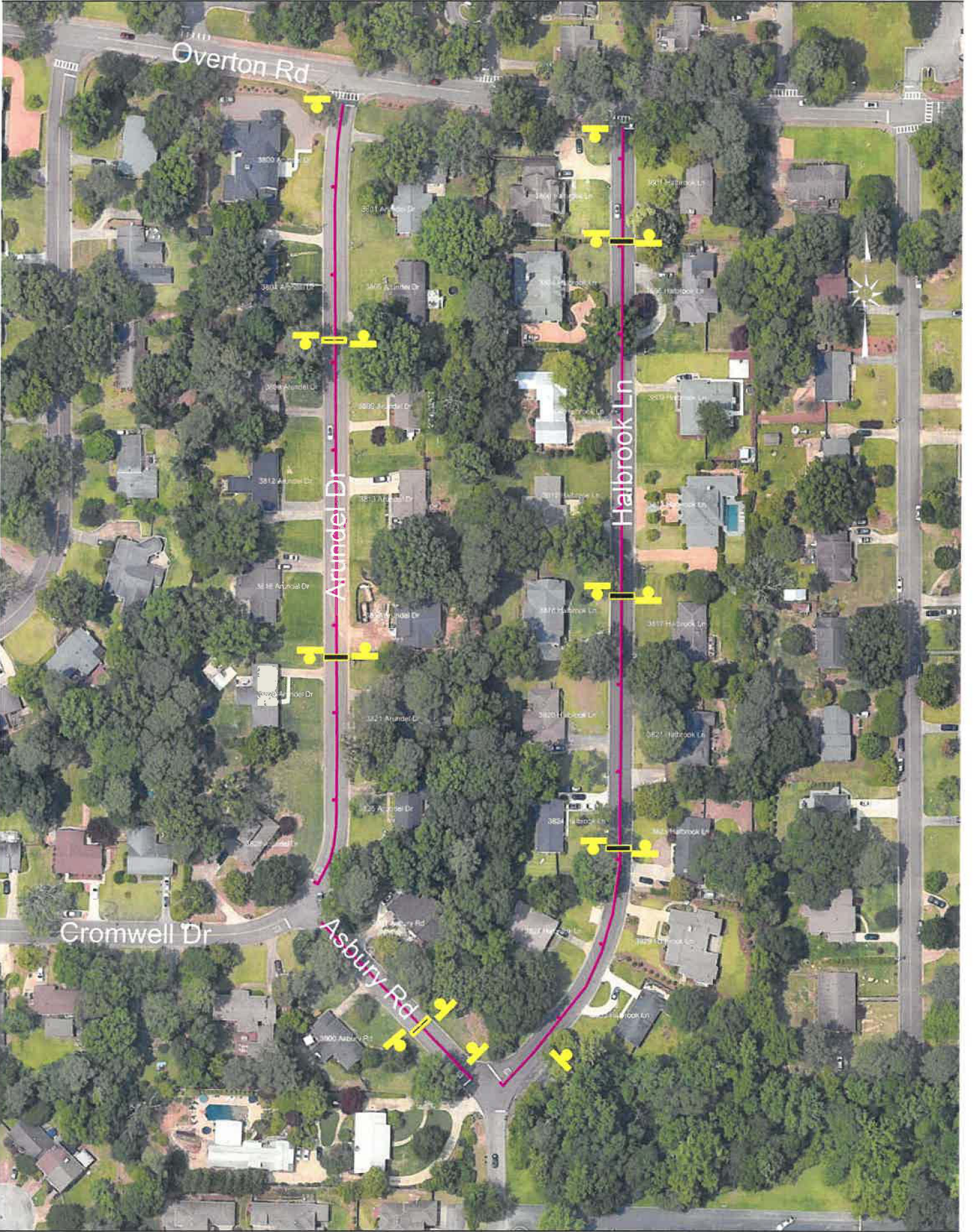
**PRE-MEETING AGENDA
MOUNTAIN BROOK CITY COUNCIL**

**CITY COUNCIL CHAMBER (A108)
56 CHURCH STREET
MOUNTAIN BROOK, AL 35213**

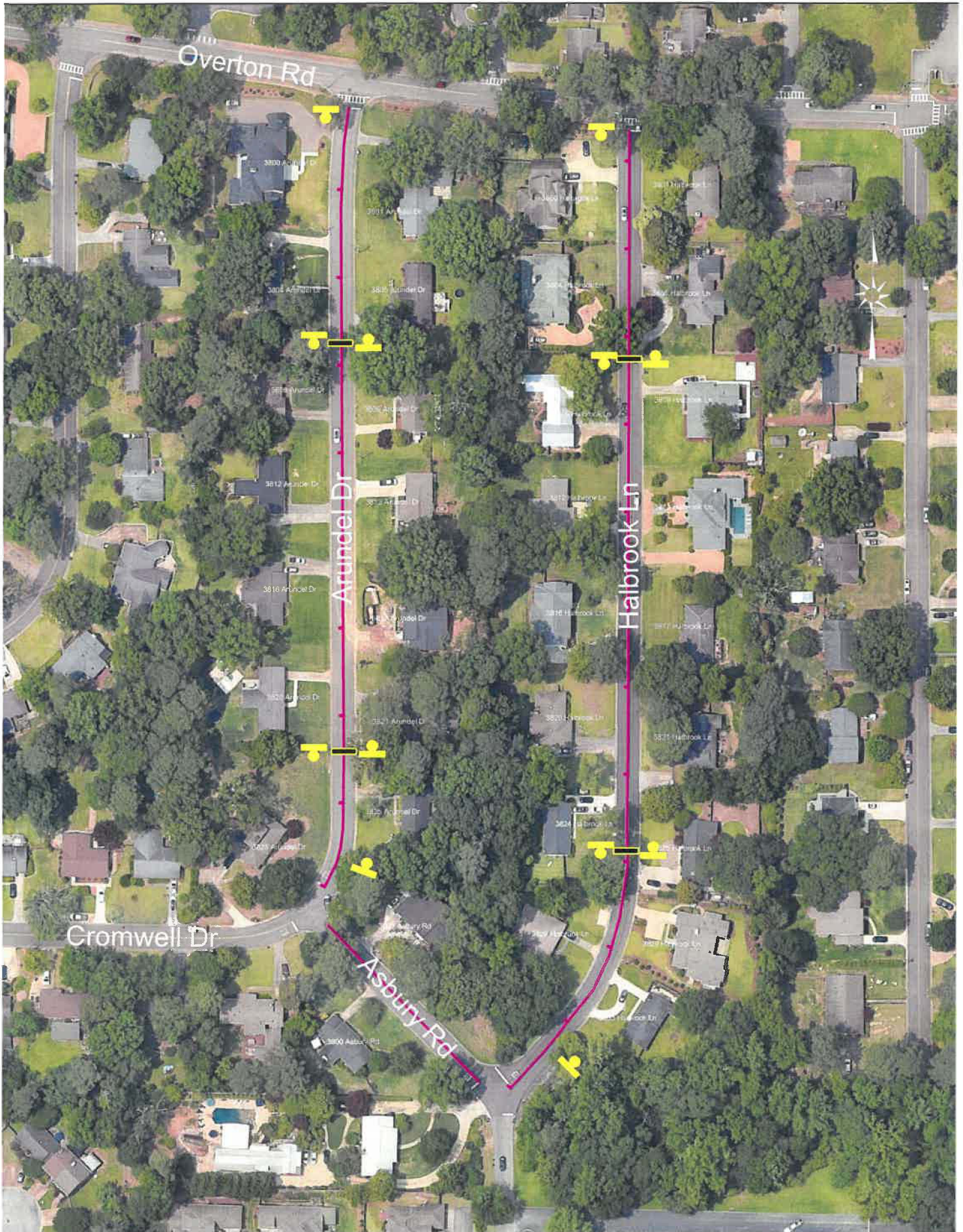
FEBRUARY 12, 2024 6:15 p.m.

As a matter of convenience, members of the public are invited to listen, observe and participate in public meetings by Internet video conference. Presenters and others interested in a particular matter for discussion are encouraged to attend the meeting in-person. The City is not responsible for technical issues that may occur that interfere with the virtual meeting. The City Council, at its sole discretion, may proceed with its in-person business meeting regardless of whether virtual attendees can hear and/or observe the proceedings. The City intends to make the meeting available by way of the Zoom app (re: Meeting ID 801-559-1126, password 02122024).

1. Design presentation of proposed speed humps on Halbrog Lane and Arundel Drive- Richard Caudle of Skipper Consultants (See attached information.)
2. Euclid Avenue “curve” at Azalea Road recommendations-Richard Caudle of Skipper Consultants. (See attached information. This item could be added to the formal agenda.)
3. Street Light request for Overton Road/Knollwood Lane-Sam Gaston (See attached information.)
4. Executive Session

[illegible]

OPTION 2 - TWO HUMPS PER ROUTE





W17-1



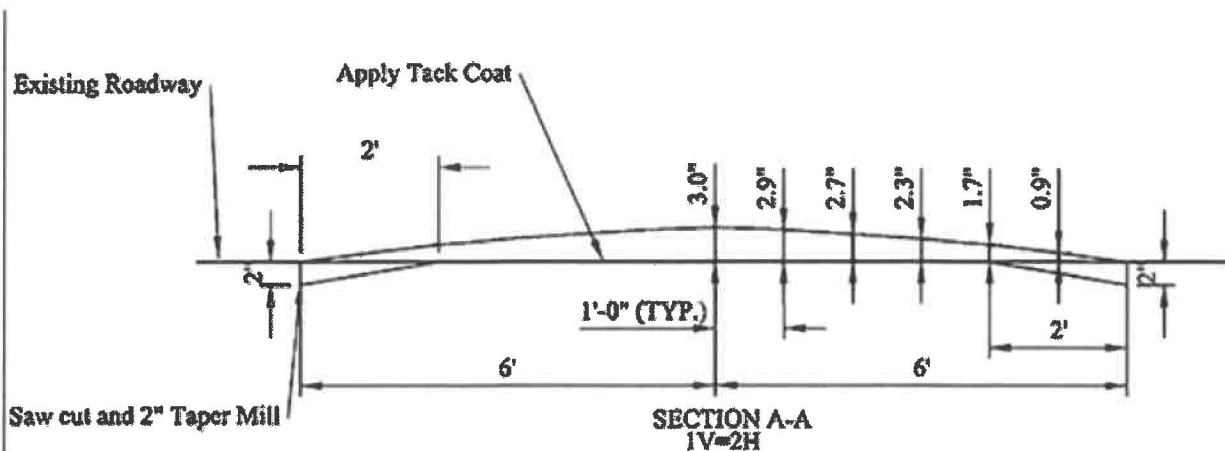
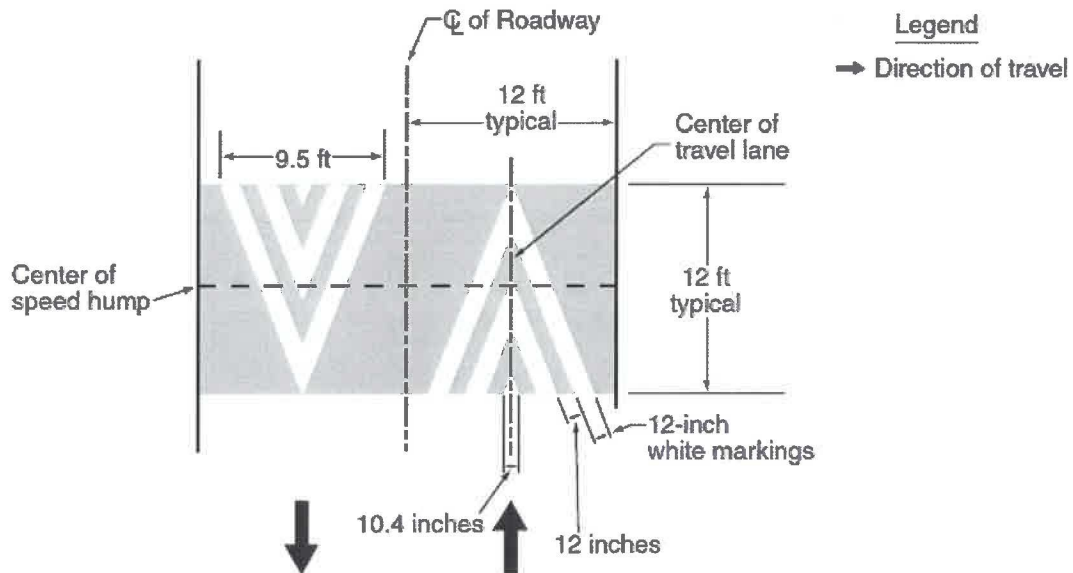
W16-9P



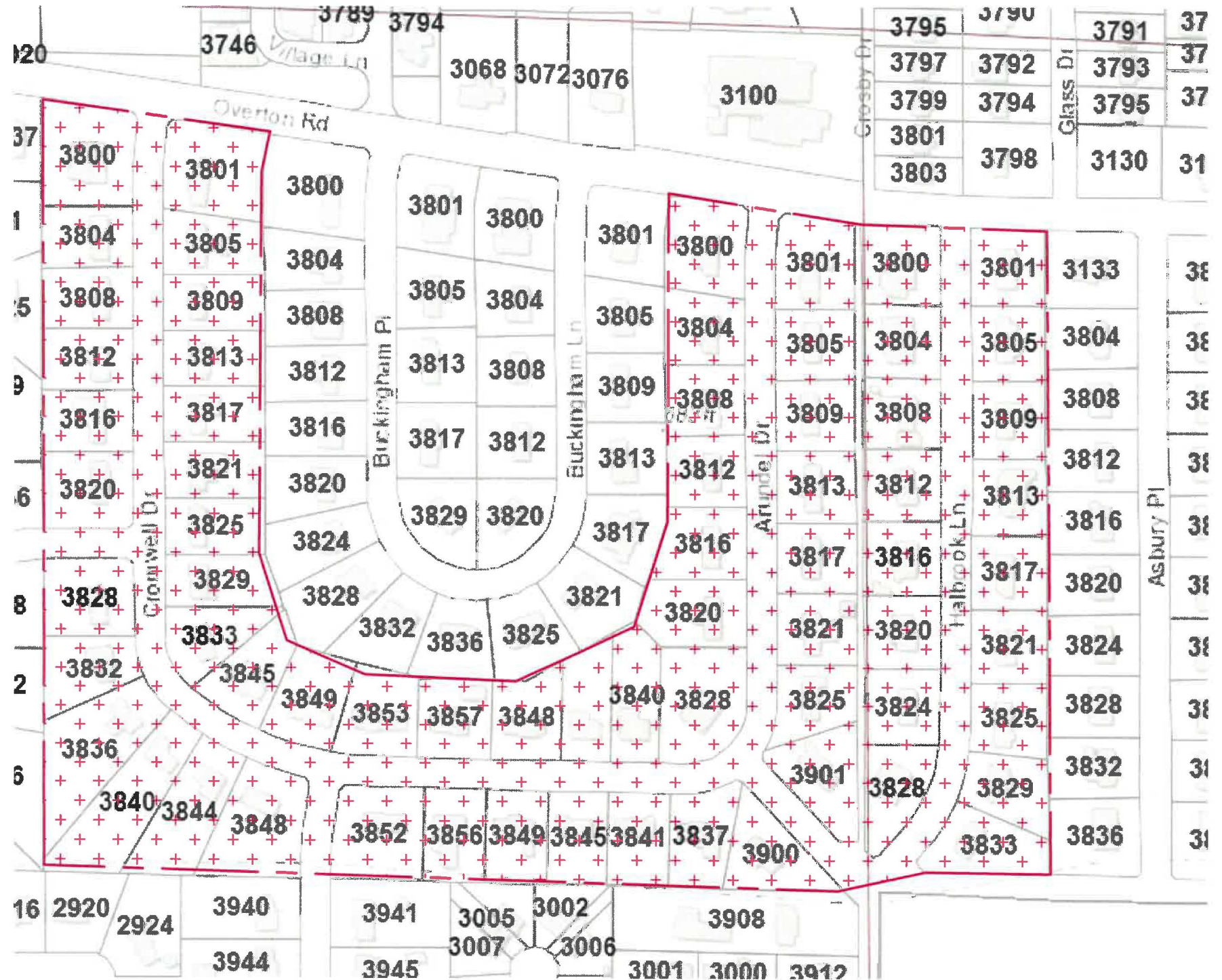
W17-1



W13-1P



PROPOSED AREA FOR PUBLIC MEETING NOTICE



**Euclid Avenue Curve
(near 742 Euclid Avenue and 96 Azalea Road)**

This report documents a traffic study performed for the curve on Euclid Avenue near 742 Euclid Avenue and 96 Azalea Road. This study was prompted by a single vehicle run-off-the-road crash which occurred on January 1, 2024 at approximately 2:25 a.m. which resulted in significant damage to the house located at 96 Azalea Road and injury to the driver of the vehicle.

Crash Data

Existing crash data for the section of Euclid Avenue between Camelia Drive and Euclid Circle for the years 2020-2024 were provided by the Mountain Brook Police Department. During this 4+ year period, five crashes were reported, distributed as follows:

2020	1 crash
2021	2 crashes
2022	1 crash
2023	0 crashes
2024	1 crash

Each crash report was reviewed to determine the nature of the crash. The following is a breakdown on the crashes:

- Rear-end crash on Euclid Avenue eastbound between Euclid Circle and Azalea Road
- Vehicle backed into a utility pole exiting the driveway of 750 Euclid Avenue
- Rear-end crash on Euclid Avenue eastbound at the intersection of Lake Drive
- Run-off-the-road crash on Euclid Avenue eastbound at 801 Euclid Avenue. Cited for DUI.
- Run-off-the-road crash on Euclid Avenue westbound at 724 Euclid Avenue and 96 Azalea Road, resulting in one injury. Driver has been charged with DUI, reckless endangerment, speeding, and improper lane use. (Note: this is the crash which occurred on January 1, 2024.)

According to pictures provided by the owners of 96 Azalea Road, there was another crash of a run-off-the-road vehicle similar in nature to the one which occurred on January 1, 2024 that occurred prior to the year 2020.

Existing Signing

The curve in Euclid Avenue is currently signed with the following sign assemblies:

- a curve warning sign with 15 MPH advisory speed placard on Euclid Avenue westbound in front of 754 Euclid Avenue (approximately 310 feet in advance of the beginning of the curve on Euclid Avenue)



- two chevrons with reflectors on Euclid Avenue westbound in front of 742 Euclid Avenue



- a curve warning sign with 20 MPH advisory speed placard on Euclid Avenue eastbound in front of 723 Euclid Avenue



Analysis

The situation of the curve at 742 Euclid Avenue and 96 Azalea Road is unique because of the 3000 foot long straight and flat section of Euclid Avenue westbound leading up to the curve. This long straight and flat section allows a driver to achieve the speed necessary to inflict the damage caused by the crash on January 1, 2024.

Euclid Avenue eastbound has other horizontal and vertical curves approaching the curve at 742 Euclid Avenue and 96 Azalea Road, so the ability of a vehicle to attain a high speed is far less likely and crashes are therefore less likely and less severe. There have been no reported crashes of vehicles eastbound on Euclid Avenue related to the curve since 2020.

In our opinion, the primary cause of the crash of January 1, 2024 appears to be DUI and high speed. The presence of the curve was a contributing factor, but not the primary cause. The existing signage in advance of the curve exceeds the typical treatment given by the City for similar curves. The addition of the two chevron signs may have been in reaction to the run-off-the road crash which occurred prior to the year 2020. It is our opinion that different signing, additional signing, or even some type of flashing warning light in advance of the curve would not have prevented the crash of January 1, 2024. A possible traffic control measure which would not have prevented the crash, but would have prevented the house at 96 Azalea Road from being struck, would be the installation of guardrail across the front yards of 742 and 744 Euclid Avenue.

Recommendations

The 4+ years of crash data for Euclid Avenue in the vicinity of the curve at 742 Euclid Avenue and 96 Azalea Road does not show a pattern of crashes due to the curve. However, the occurrence of two run-off-the-road crashes which have caused significant damage to property at 96 Azalea Road is a cause for concern. It is our opinion that the installation of guardrail is not warranted and probably would not be welcome by the homeowners of 742 and 744 Euclid Avenue. Our recommendation is to install a temporary solar-powered yellow flashing beacon (sample shown on the following page) above the existing curve warning sign located on Euclid Avenue westbound at 754 Euclid Avenue. If this solution doesn't result in negative feedback from residents, then a more permanent AC-powered could be designed and installed.

The cost to procure the materials for the temporary solar-powered yellow flashing beacon would be approximately \$3,000. Since the system mounts on a standard square tube sign post, it is assumed that the City would obtain the materials and install the beacon using City forces.

A permanent installation powered by AC power and mounted on a round steel pole is estimated to cost approximately \$22,000, and would need to be installed by a contractor.



Sam Gaston

From: Richardson, Robert Edward <ROBERICH@SOUTHERNCO.COM> on behalf of Richardson, Robert Edward
Sent: Thursday, February 01, 2024 11:03 AM
To: Sam Gaston
Subject: RE: Overton/Knollwood Lane
Attachments: FIELD NOTES.png

See attached.

Yes that is the total buydown cost for the poles and wire. The light would be \$7.51 a month if you go with the smallest size. There are also some trees along there that may need to be trimmed.

From: Sam Gaston <gastons@mtnbrook.org>
Sent: Thursday, February 1, 2024 11:00 AM
To: Richardson, Robert Edward <ROBERICH@SOUTHERNCO.COM>
Subject: RE: Overton/Knollwood Lane

That's it? Can you send me a site plan?

Sam S. Gaston
City Manager
City of Mountain Brook, AL.
56 Church Street
P.O. Box 130009
Mountain Brook AL. 35213
(205) 802-3803 Phone
www.mtnbrook.org [mtnbrook.org]



From: Richardson, Robert Edward [mailto:ROBERICH@SOUTHERNCO.COM]
Sent: Thursday, February 01, 2024 10:27 AM
To: Sam Gaston <gastons@mtnbrook.org>
Subject: RE: Overton/Knollwood Lane

Upfront cost for the poles and wire would be \$2,625.77

From: Sam Gaston <gastons@mtnbrook.org>
Sent: Tuesday, January 23, 2024 5:37 PM
To: Richardson, Robert Edward <ROBERICH@SOUTHERNCO.COM>
Subject: Re: Overton/Knollwood Lane

Go ahead with the plan and costs
Sent from my iPhone
Sam Gaston

