

Housekeeping Items



Please remain muted until indicated otherwise.



Raise Hand

During the Q&A session you will have 2 minutes to ask questions. Use the “Raise Hand” option and your name will be called soon.



Chat

Ask questions or make comments in the chat section.



Closed Caption

Closed caption is available.



Record

This meeting will be recorded and shared with the public.



Public Meeting

Homewood Mobility Plan-Implementation Phase

Traffic Calming and Safety Improvement
City of Pittsburgh-Department of Mobility & Infrastructure

June 7th , 2022

Organized by
Homewood Community Development Collaborative



Agenda



1. Past Planning Efforts in the neighborhood.
2. Corridors Introduction
3. Traffic Calming & pedestrian safety improvement design recommendations
4. Questions & Comments

This study is funded by the
Redevelopment Authority of Allegheny County
in partnership with the
Allegheny County Health Department.

Past Planning Efforts-Homewood Mobility Plan

- Build on recommendations from the **Homewood Comprehensive Community Plan**.
- Project Timeline- March 2021 to March 2022.
- Identify priority projects to improve **mobility and safety**, encourage **physical activity**, and provide better **access to the public transportation**.
- Focus on **short-term projects** that can be implemented quickly.
- Community Engagement- Online & In person.

Focus Areas

Safety Improvements:

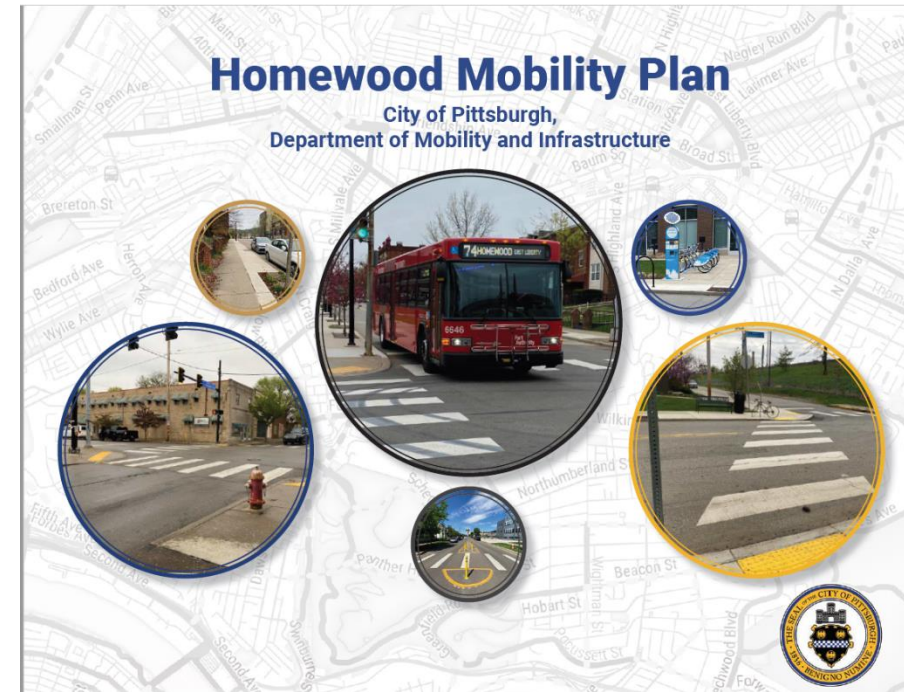
- Speed mitigation.
- Traffic Crash mitigation.
- ADA ramp upgrades.

Mobility Improvements:


- Sidewalk inventory and prioritization.
- Future bicycle network identifications.

Transit Improvements:


- Route improvements.
- Bus stop access and amenities improvement.




Proposed Projects Summary




- Crash Potential
- Crash History
- Community Perception
- Effectiveness
- Intersection Issue
- Speeding



- Access to Transit
- Access to Destinations
- Access to Jobs
- Disconnected Network
- ADA Accessibility
- Improved Operations



- Station Amenities
- Stop/Station Access
- Ridership
- Improved Route Performance



- Cost
- Community Support
- Feasibility



Corridors Introduction



Corridor 1-Frankstown Ave

Project Extent- Dallas-Bennett- Frankstown intersection to Murtland St.

Traffic operational Information-

- Average daily traffic- 5,119 (2022)
- 85th percentile speed- 32MPH (Speed limit 25)

Traffic safety data

- Total recorded crash (2016-2020)- 21.
- Fatal Crash-1, Injury crash-5, Pedestrian crash-1.
- Nighttime crash-67%.
- Major crash type- Roadway departure related (55%).

Whether transit & Emergency service corridor- Yes.

Improvements will include

- Speed cushion.
- Intersection realignment & daylighting.
- Pedestrian crosswalk improvement.



Corridor 2-Kelly St.

Project Extent- Murtland St. to Collier St.

Traffic operational Information-

- Average daily traffic- 2,345 (2022)
- 85th percentile speed- 33MPH (Speed limit 25)

Traffic safety data

- Total recorded crash (2016-2020)- 25.
- Injury crash-6, Pedestrian crash-1.
- Nighttime crash-64%.
- Major crash type- Angle (44%).

Whether transit & Emergency service corridor- No.

Improvements will include

- Speed hump.
- Intersection daylighting.
- Pedestrian crosswalk improvement.



Corridor 3-Hamilton Ave

Project Extent- Brushton Ave to Oakwood St.

Traffic operational Information-

- Average daily traffic- 3,015 (2022)
- 85th percentile speed- 32 MPH (Speed limit 25)

Traffic safety data

- Total recorded crash (2016-2020)- 19.
- Fatal Crash-1, Injury crash-8, Pedestrian crash-2.
- Nighttime crash-42%.
- Major crash type- Angle (37%), Roadway departure related (32%)

Whether transit & Emergency service corridor- Yes.

Improvements will include

- Speed cushion.
- Intersection realignment & daylighting.
- Pedestrian crosswalk improvement.



Corridor 4-Oakwood St.

Project Extent- Fleury Way to Moosehart St.

Traffic operational Information-

- Average daily traffic- 6,715 (2022)
- 85th percentile speed- 33 MPH (Speed limit 25)

Traffic safety data

- Total recorded crash (2016-2020)- 24.
- Fatal Crash-1, Injury crash-9
- Nighttime crash-63%.
- Major crash type- Roadway departure related (33%), Angle & Rear end (25%).

Whether transit & Emergency service corridor- Yes.

Improvements will include

- Chicane.
- Intersection daylighting.
- Pedestrian crosswalk improvement.



Corridor 5-Homewood Ave

Project Extent- Reynold's St. to Mt. Vernon St.

Traffic operational Information-

- Average daily traffic- 2,651 (2022)
- 85th percentile speed- 36 MPH (Speed limit 25)

Traffic safety data (Homewood Section)

- Total recorded crash (2016-2020)- 51.
- Injury crash-26, Pedestrian crash-6.
- Nighttime crash-33%.
- Major crash type- Angle (65%)

Whether transit & Emergency service corridor- Yes.

Improvements will include

- Speed Hump.
- Intersection realignment & daylighting.
- Pedestrian crosswalk improvement.





Traffic Calming & pedestrian safety improvements Design recommendations

Traffic Calming Goals & Objectives

Goals

- Create safe and attractive streets
- Reduce the negative effects of motor vehicles on the environment
- Promote pedestrian, cycle and transit use

Objectives

- Reduce motorist ***speeds*** and/or ***volumes***
- Self-enforcing, reduce need for police intervention



Evolution of Traffic Calming Program

Lessons Learned:

- Line striping and signage alone has minimal impact on speeding
- Speed humps most effective at reducing 85% speeds above 25 mph
- Uses of street extremely important when programming speed humps:
 - Extra care needed on transit and emergency services routes
 - Cannot deploy speed humps along entire street

Speed Mitigation Strategies

Horizontal Deflection

- Road Diet
- Pinchpoint / Curb Extension
- 2-way + Parking (Yield Street)
- Splitter Island
- Traffic Circle
- Chicanes

Vertical Deflection

- Speed Humps
- Speed Tables

Speed Hump Project Before/ After Data

	<u>Median Speed</u>	<u>85% Speed</u>	<u>% Speeding</u>
<u>Before</u>	28.4	32.5	62.5
<u>After</u>	22.1	26.5	24.7
<u>Change</u>	-6.3	-6.1	-37.8

Frankstown Ave Corridor



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HOMEWOOD MOBILITY PLAN
 SIGNING AND PAVEMENT MARKING PLAN

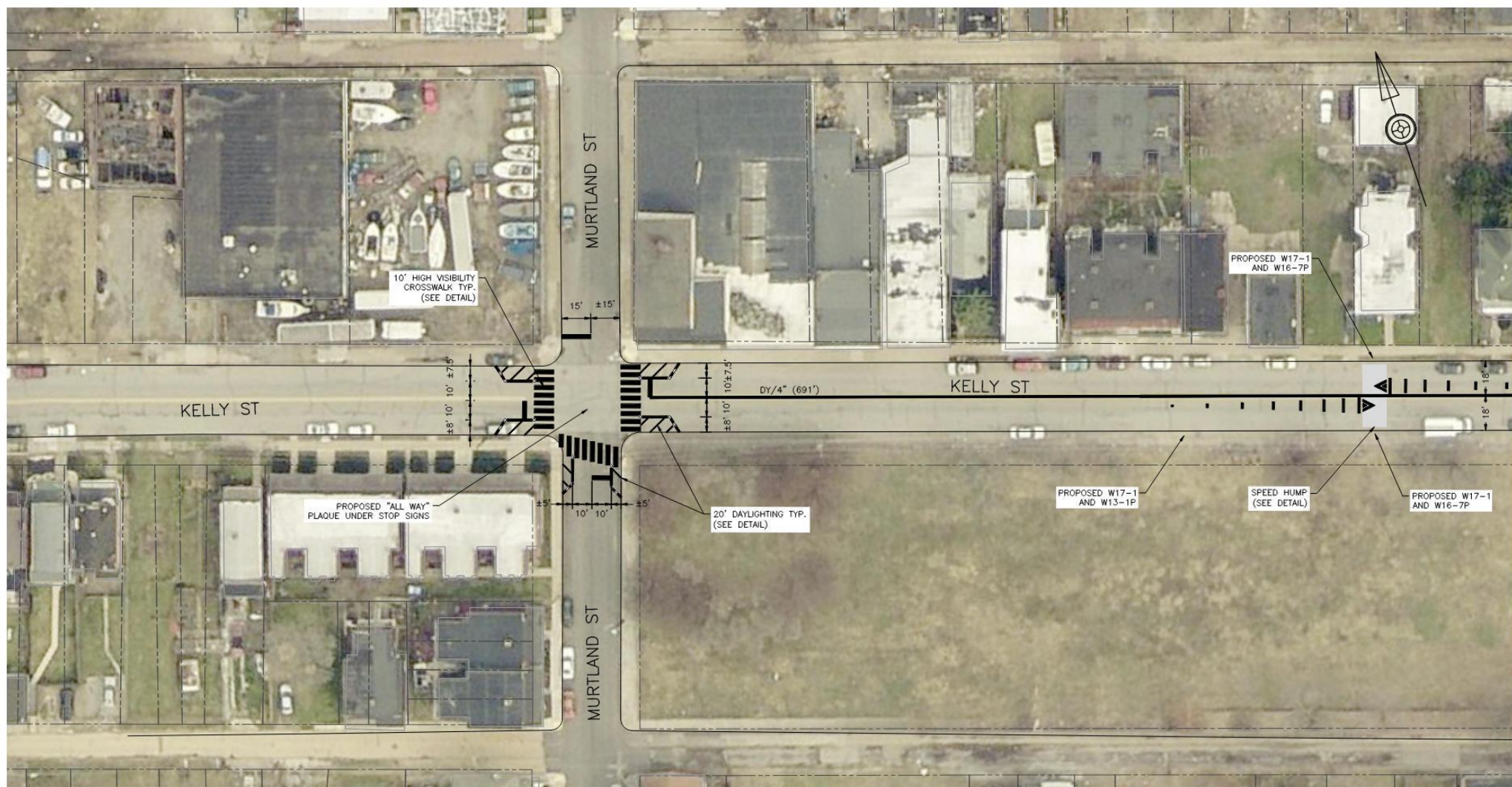
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Kelly St. Corridor



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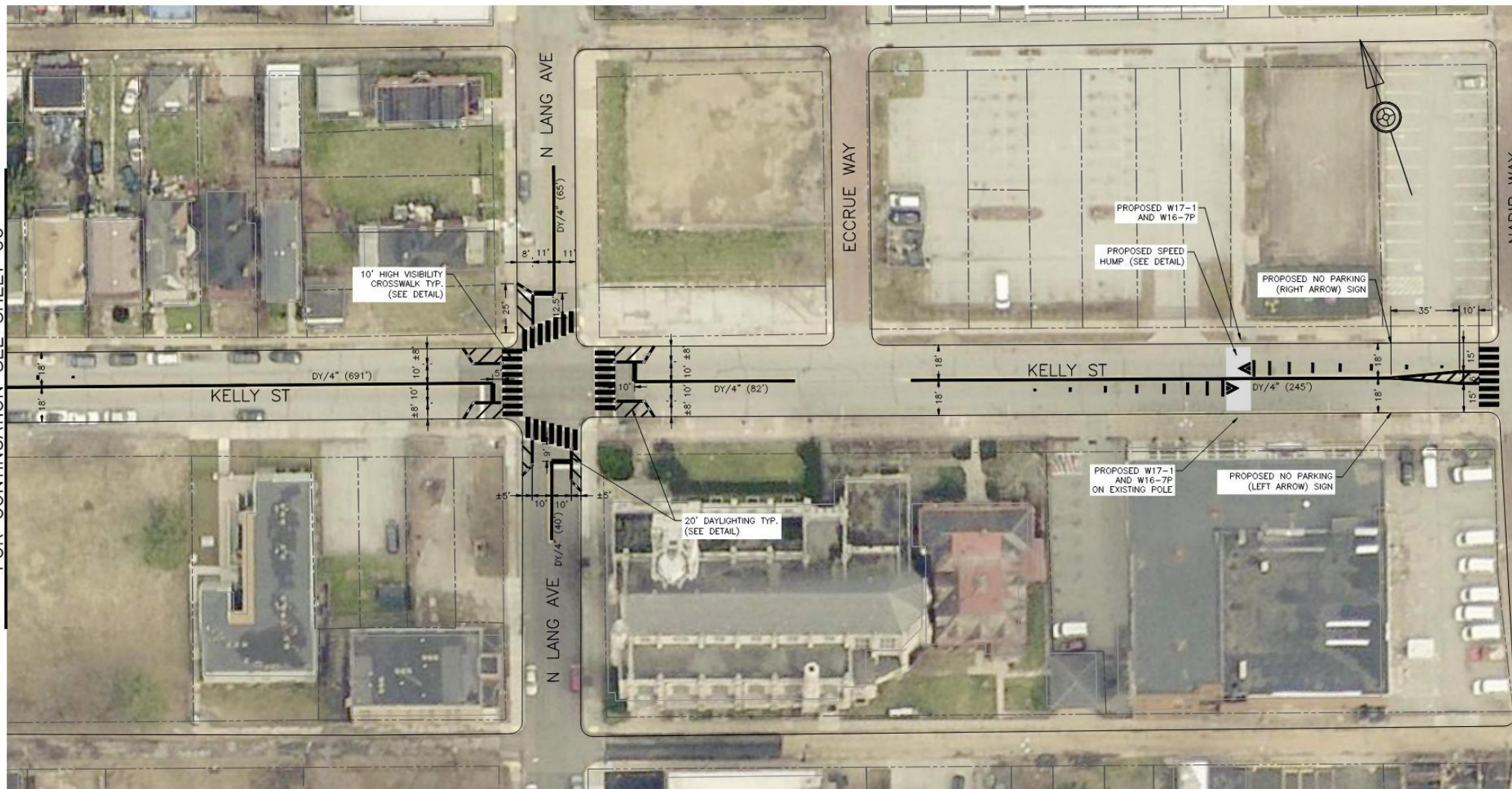
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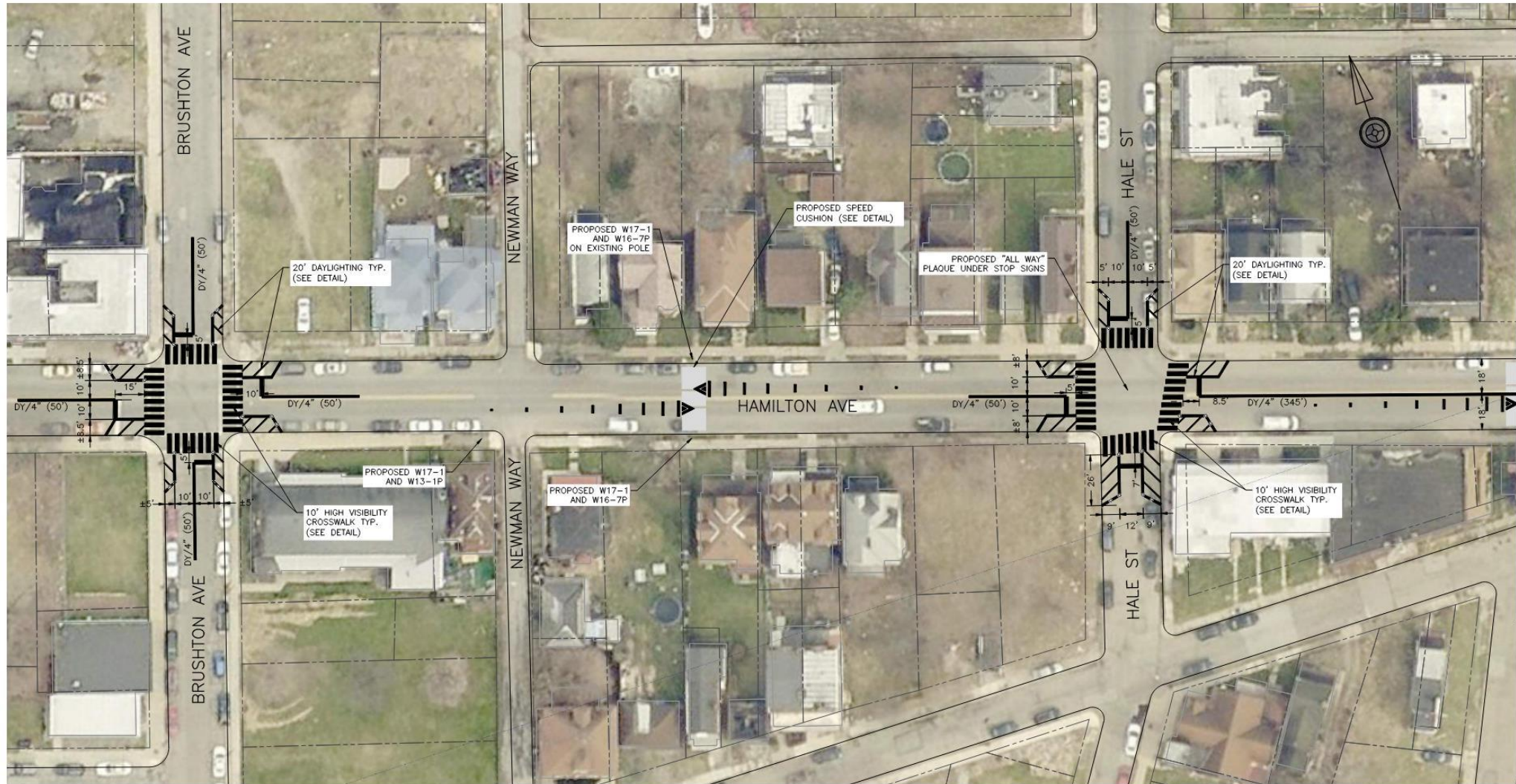
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Hamilton Ave Corridor



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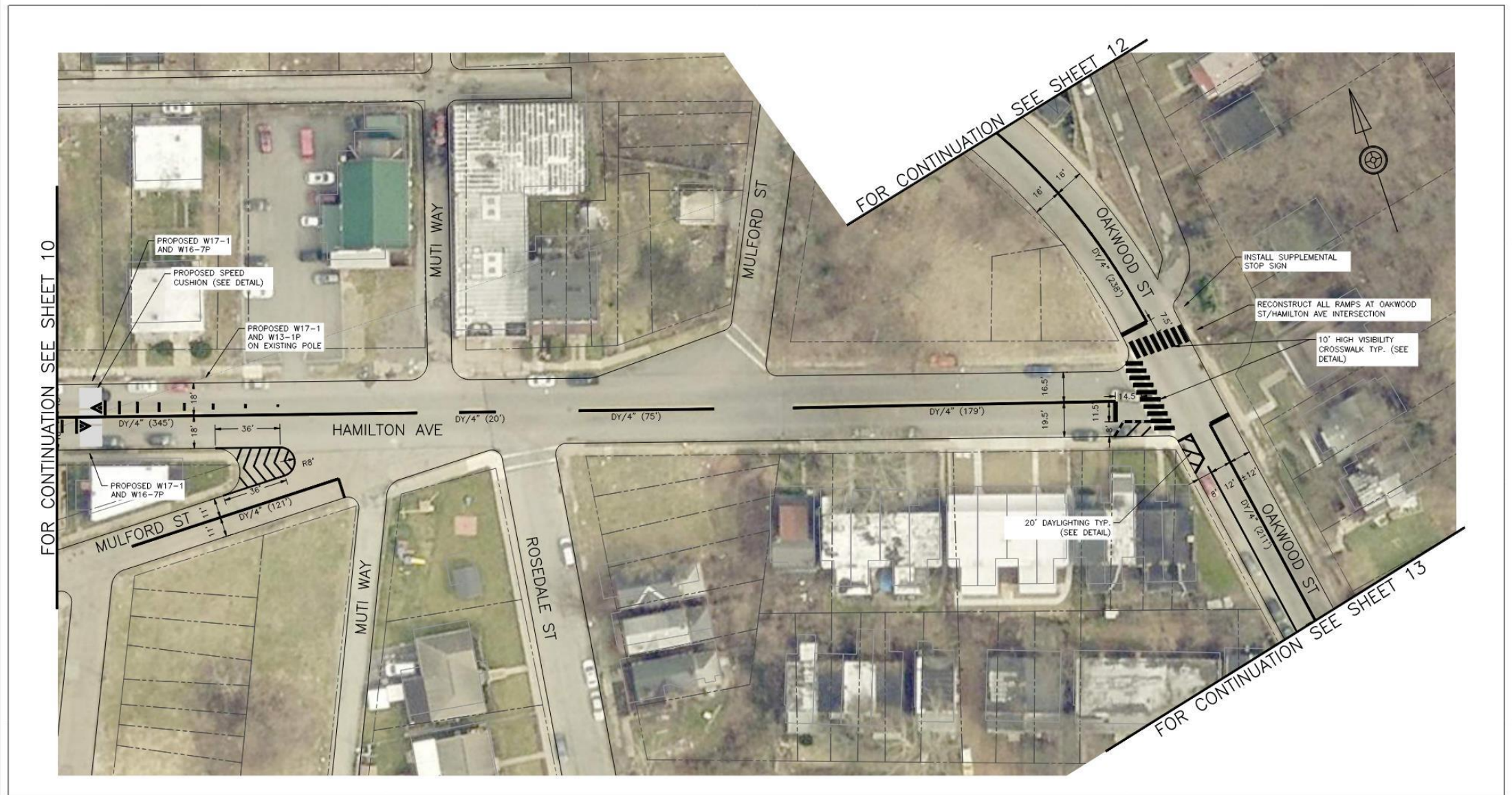
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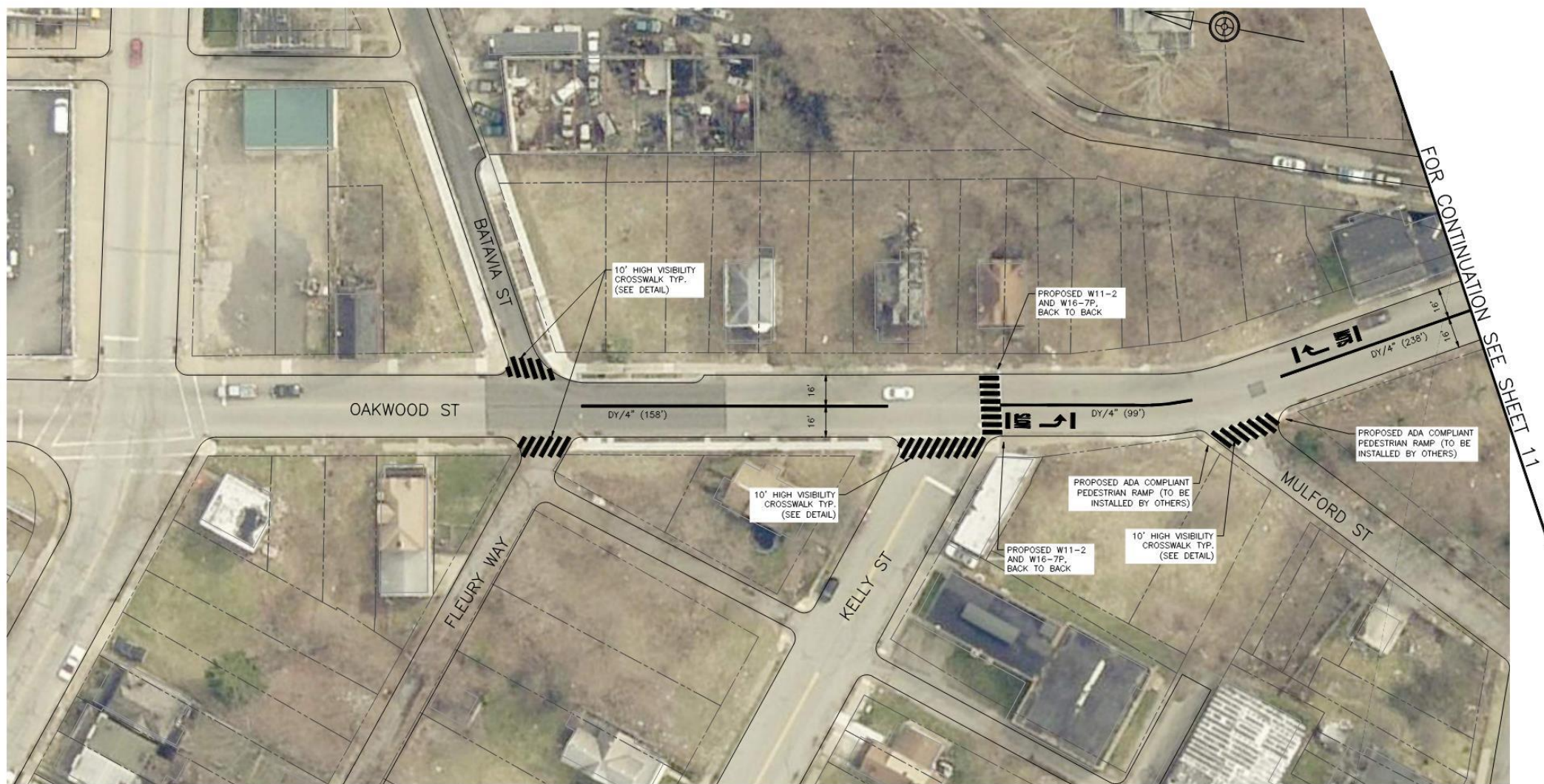
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Oakwood St. Corridor



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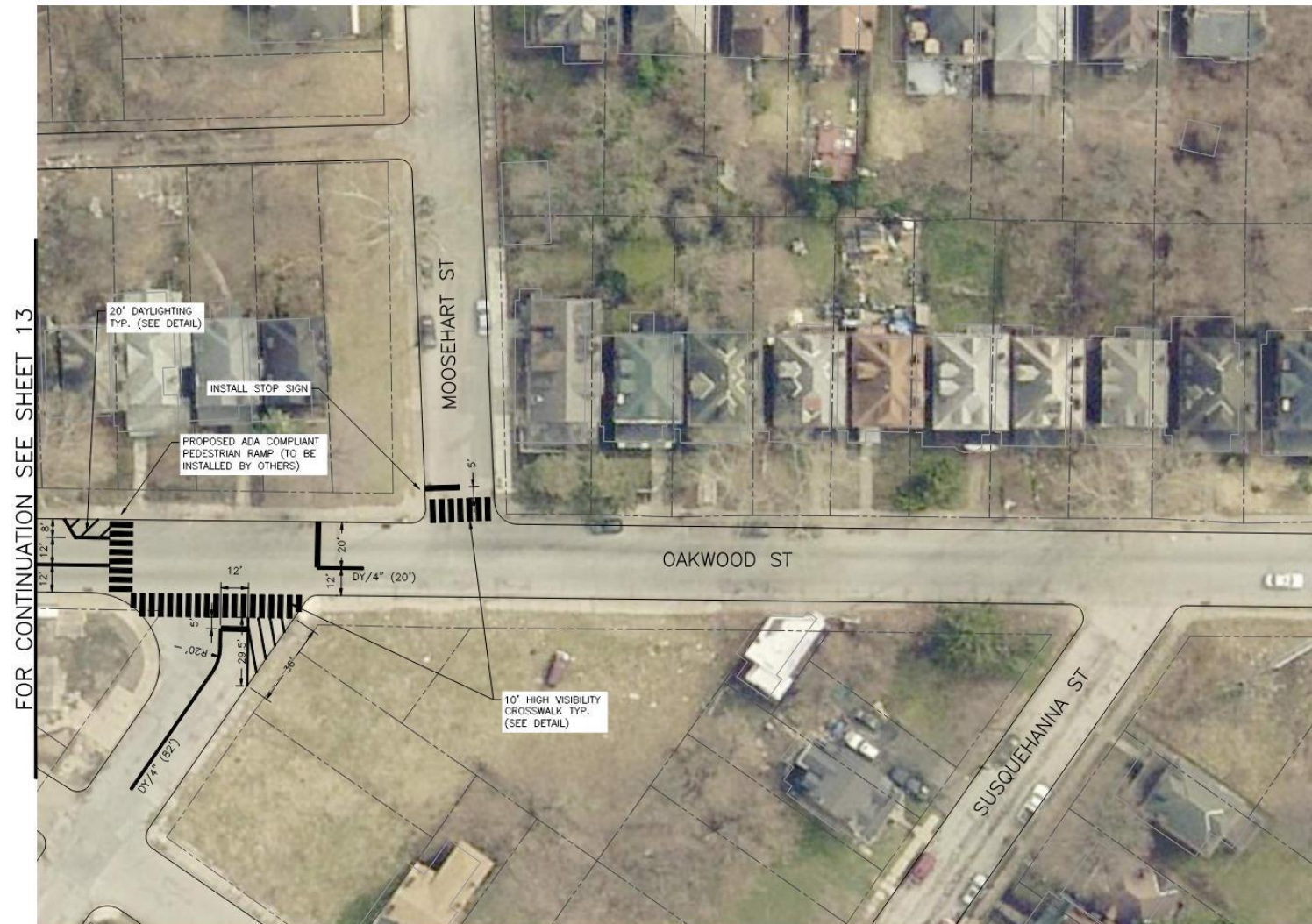
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Chicanes

- Series of bumpouts on alternating sides of street that induce slower speeds by creating a S-shaped roadway
- Parking is maintained through length of corridor and alternates sides as a condition of the chicane however does require parking removal through limit of chicane



Rendering of Chicanes

- Pilot Project
 - Re-strip road
 - Self-watering planters designed for in-roadway use
 - Bollards or flexposts for sight lines and delineation of movement



Termon Ave Chicane Rendering – For Information Only

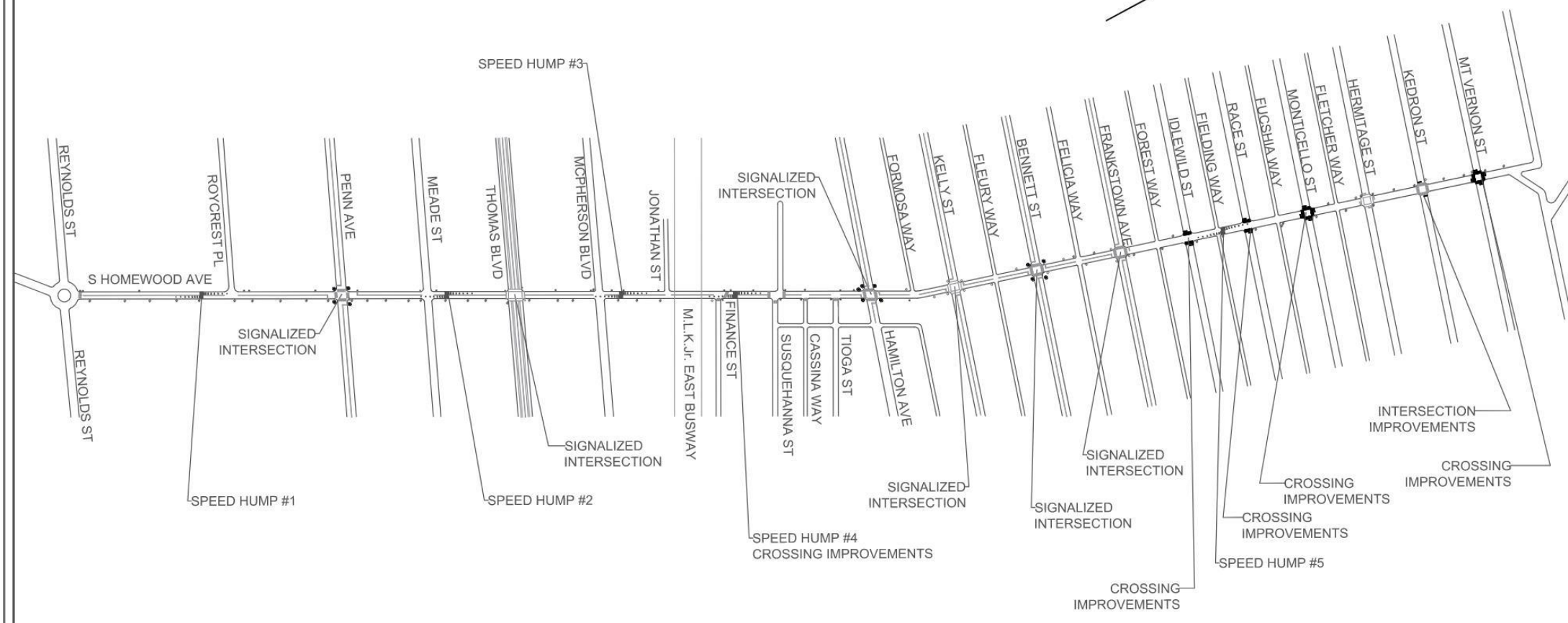


Boston, Mass.



39th Street, Birmingham, Alabama

Homewood Ave Corridor



GENERAL NOTES:
 SPEED HUMPS WILL BE INSTALLED 2' OFF THE CURB ON EACH SIDE OF THE ROAD.
 CHEVRONS AND ADVANCED WARNING PAVEMENT MARKINGS SHALL BE
 INSTALLED AT AND APPROACHING, RESPECTIVELY.
 DO NOT INSTALL LEAD UP LINES IN THE CROSSWALKS.

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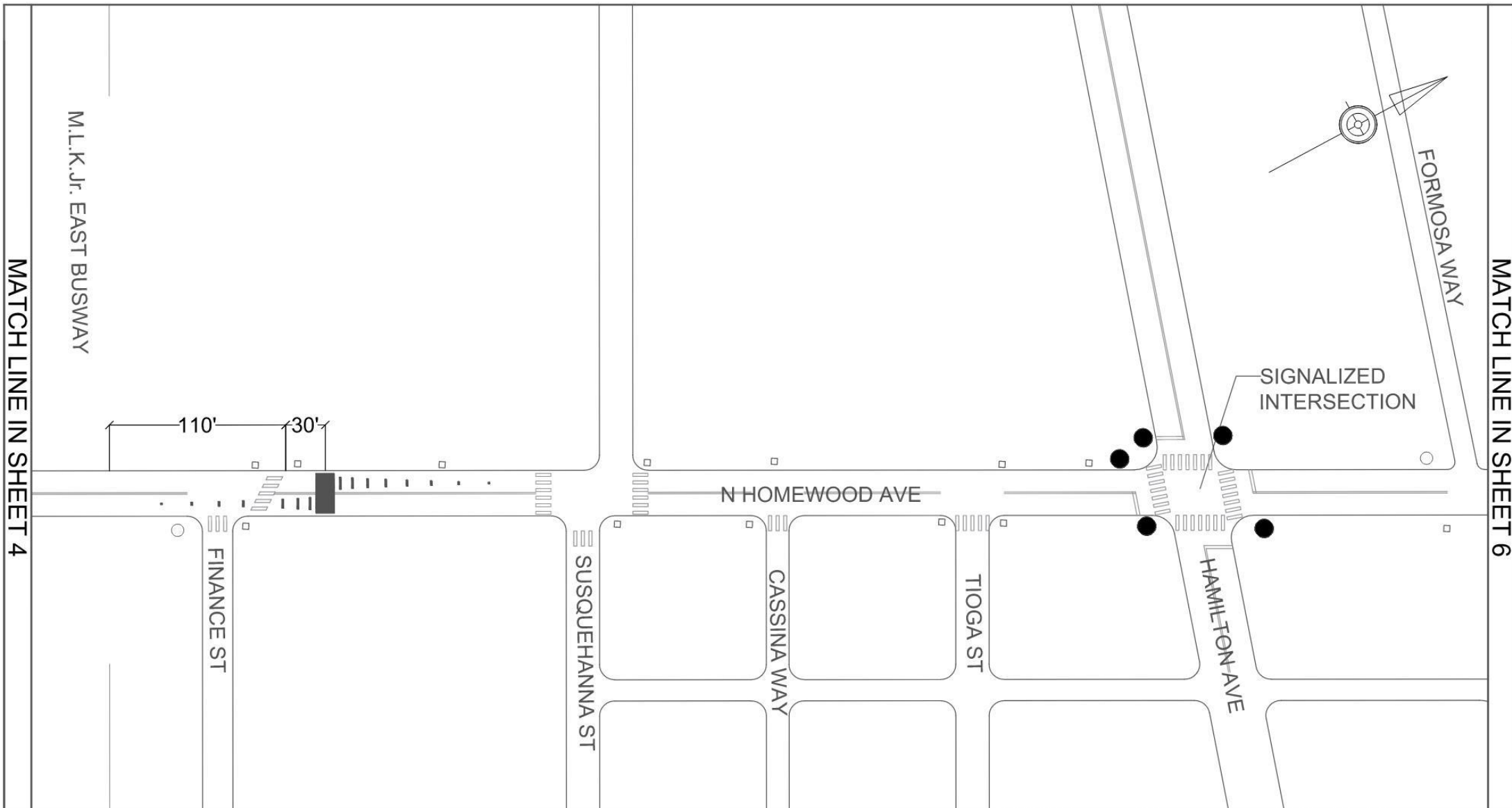
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HOMEWOOD AVENUE
IMPROVEMENT PLAN
SPEED HUMPS

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GENERAL NOTES:
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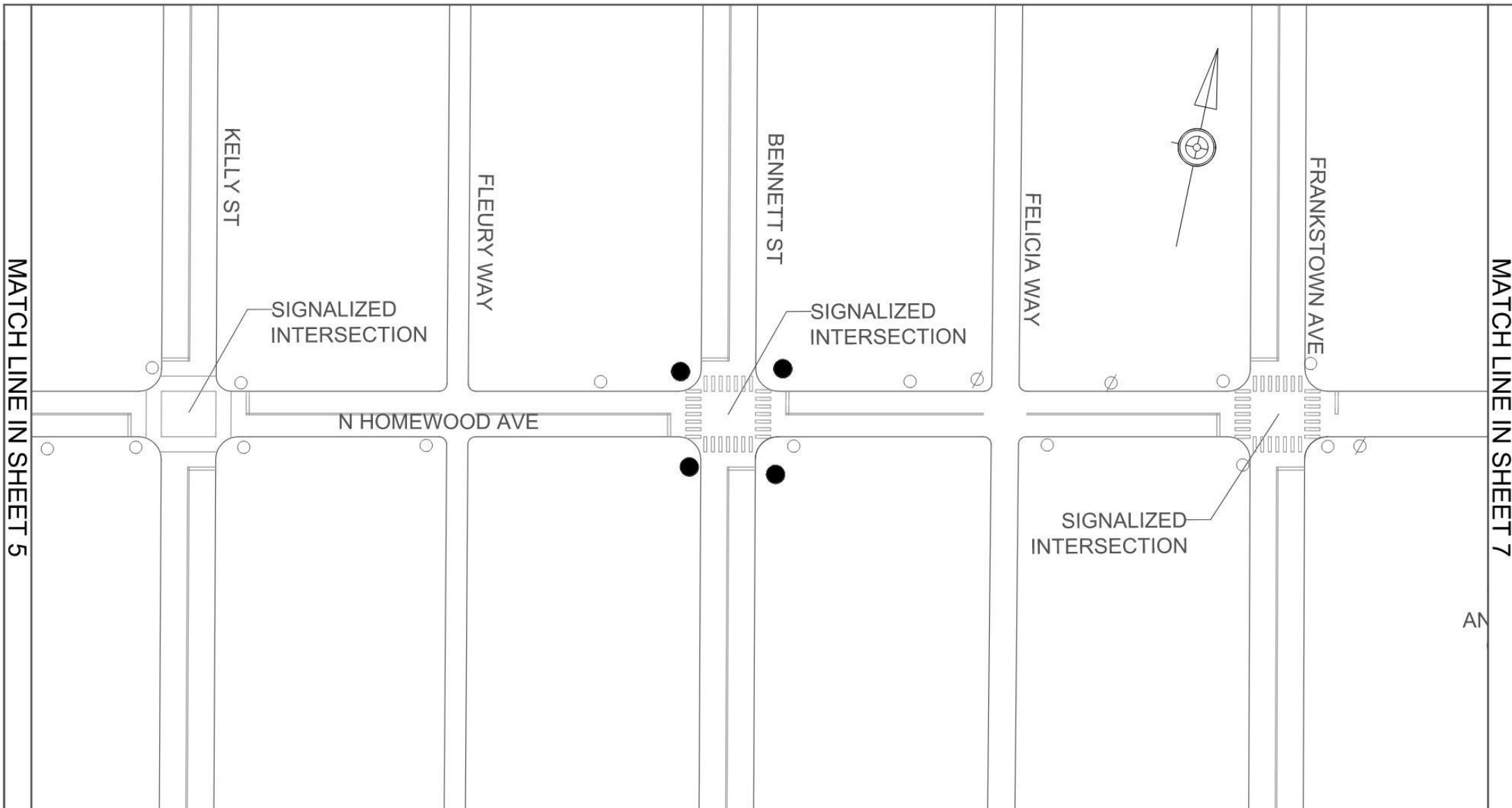
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 HOMEWOOD AVENUE
 IMPROVEMENT PLAN
 SPEED HUMPS

SCALE: 1"=60'
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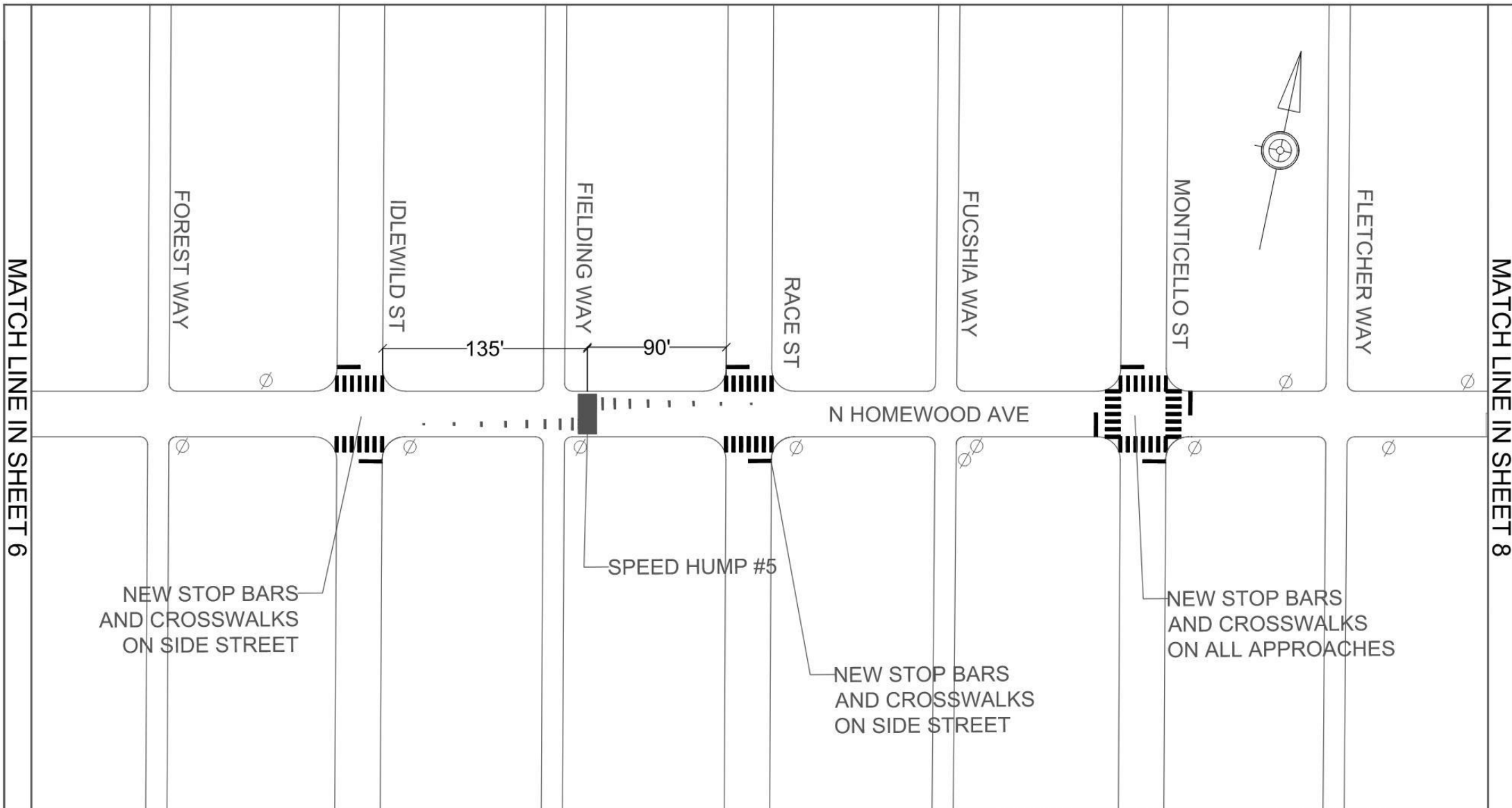
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HOMEWOOD AVENUE
IMPROVEMENT PLAN
SPEED HUMPS

SCALE: 1"=60'
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MATCH LINE IN SHEET 6

MATCH LINE IN SHEET 8

GENERAL NOTES:
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HOMWOOD AVENUE
 IMPROVEMENT PLAN
 SPEED HUMPS

SCALE: 1"=60'
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SHEET NO.
 7 of 8

MATCH LINE IN SHEET 7

HERMITAGE ST

KEDRON ST

MT VERNON ST

UPLAND ST

N HOMEWOOD AVE

EXISTING STOP BARS
AND CROSSWALKS
ON ALL APPROACHES

NEW STOP BARS
ON SIDE STREET
EXISTING CROSSWALK

NEW STOP BARS
AND CROSSWALKS
ON ALL APPROACHES



GENERAL NOTES:
SPEED HUMPS WILL BE INSTALLED 2' OFF THE CURB ON EACH SIDE OF THE ROAD.
CHEVRONS AND ADVANCED WARNING PAVEMENT MARKINGS SHALL BE
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HOMEWOOD AVENUE
IMPROVEMENT PLAN
SPEED HUMPS

SCALE: 1"=60'
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SHEET NO.
8 of 8

Online Engagement Avenues



Comment Deadline- June 27th ,2022, 5 PM.

1. EngagePGH Platform: <https://engage.pittsburghpa.gov/Homewood-mobility-plan>
2. Email: trafficalming@pittsburghpa.gov

Thank you for your time!!

**Questions and
Comments
Session**