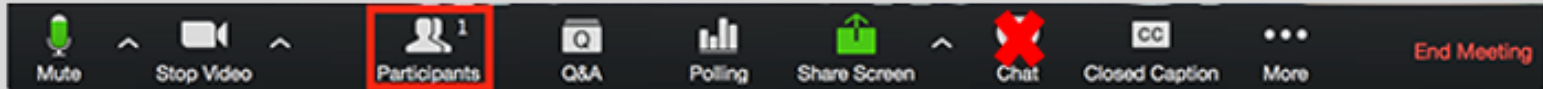



Some attendee instructions

- During the meeting, please "raise your hand" through Zoom computer app if you wish to speak.
- The chat feature is not enabled for this meeting
- Click the **Participants** button, which will open box showing all of the participants.



- At the bottom of the Participants box, you should see the following buttons.
- Click on RAISE HAND if you would like to speak.
- If you decide to lower your hand, click on LOWER HAND.



- If you are on a phone, please press *9 (star nine) to raise your hand
- To unmute or mute yourself, just press *6 (star six)
- This meeting will be recorded 

Agenda

Recent Improvements

2022 Construction Update

Phase 4 Streetscape Design Concepts

Questions and Comments

Agenda

Recent Improvements

2022 Construction Update

Phase 4 Streetscape Design Concepts

Questions and Comments

Ingersoll Avenue Improvements Update

Recent Ingersoll Ave Improvements



2020

- Streetscape Constructed on North Side of Ingersoll Ave between MLK Jr Pkwy & 24th Street (Phase 1)

2021

- Streetscape Constructed on North Side of Ingersoll Ave between 24th Street & 28th Street (Phase 2)
- Western Ingersoll Sewer Separation Project Started between 35th Street and 41st St
- Ingersoll Reconstruction from 42nd Street and Polk Blvd Completed.

Agenda

Recent Improvements

**2022 Construction Update
(Western Ingersoll Sewer Separation)**

Phase 4 Streetscape Design Concepts

Questions and Comments

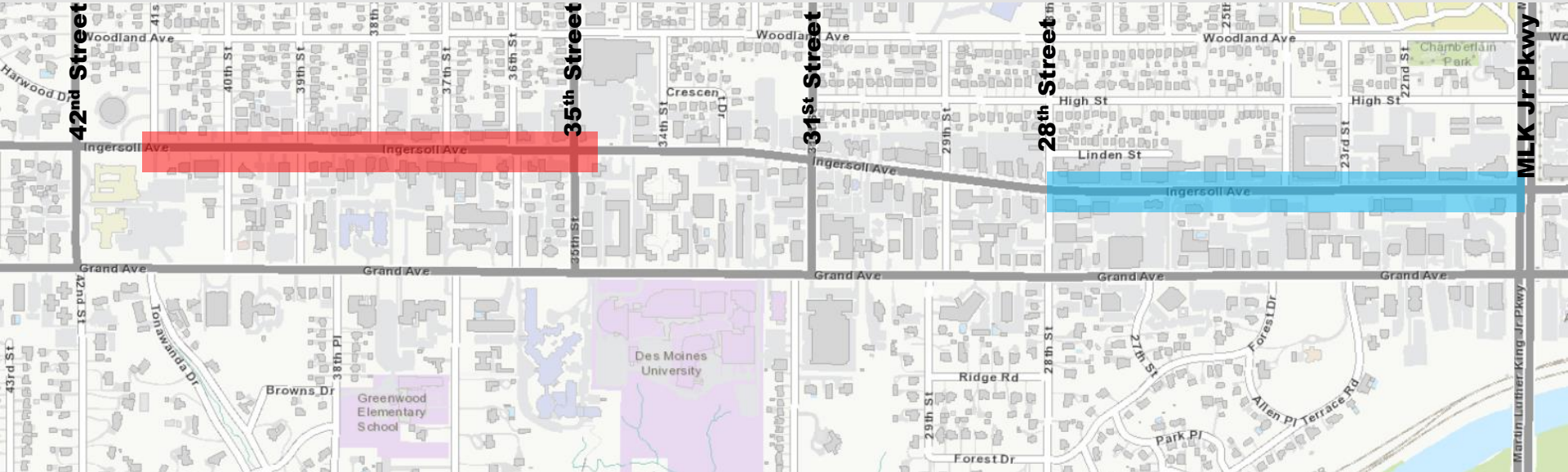
Ingersoll Avenue Improvements Update

2022 Construction Update



Western Ingersoll Sewer Separation

Ingersoll Streetscape Phase 3



Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update

35th Street to 38th Street – Westbound/North Side

- Remaining for 2022 (spring/summer 2022)
 - Small scale underground work on 37th Street
 - Complete Streetscape work and planter modifications
 - Install permeable pavers in parking locations
 - Place final lift of asphalt surface pavement.
 - 36th Street final paving



Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update

Expected Impacts

- 35th Street to 38th Street – Westbound/North Side
 - Driveways to remain open
 - Short duration impacts to On-Street Parking
 - Full lane closures required for:
 - Remaining Streetscape work
 - Final Asphalt Placement
 - Traffic maintained in both directions



Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update

38th Street to 41st Street– Westbound/North Side

- Scheduled for 2022 (spring/summer 2022)
 - Install storm sewer along north curbline
 - New curbline and permeable paver parking areas
 - Protected Bike Path
 - New HMA Pavement to Centerline
- Smaller pipe + Shallower depth = Less impactful trench
- Limited Streetscape improvements



Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update

Expected Impacts

- 38th Street to 41st Street – Westbound/North Side
 - Traffic shifted to south of Centerline
 - Closure of Driveway will be necessary
 - Timing can be coordinated
 - May impacted multiple times
 - Temporary Granular may be used between impacts
 - Sideroads will be closed at intersection

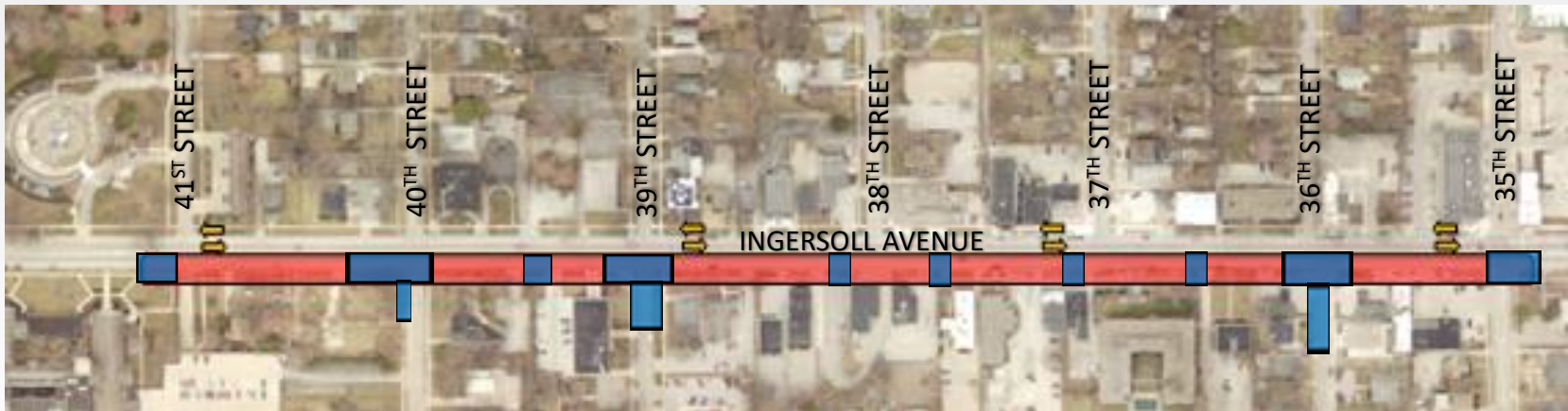


Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update

35th Street to 41st Street– Eastbound/South Side

- Scheduled for Spring 2023
 - Complete storm sewer cross-runs to south curbline
 - Traffic will be maintained in both directions
 - Will require closure of sideroads to the South
 - Minimal impact to Driveways
- Smaller pipe + Shallower depth = Less impactful trench
- Limited locations



Ingersoll Avenue Improvements Update

Western Ingersoll Sewer Separation - 2022 Construction Update



Contact Information – Onsite Consultant Foth Infrastructure and Environment, LLC



Drew Eich – Onsite Construction Engineer
Phone: 515-230-2678



Alicia Worden – Construction Services Manager
Phone: 515-230-2678

Agenda

Recent Improvements

**2022 Construction Update
(Ingersoll Phase 3 Streetscape)**

Phase 4 Streetscape Design Concepts

Questions and Comments

Ingersoll Avenue Improvements Update

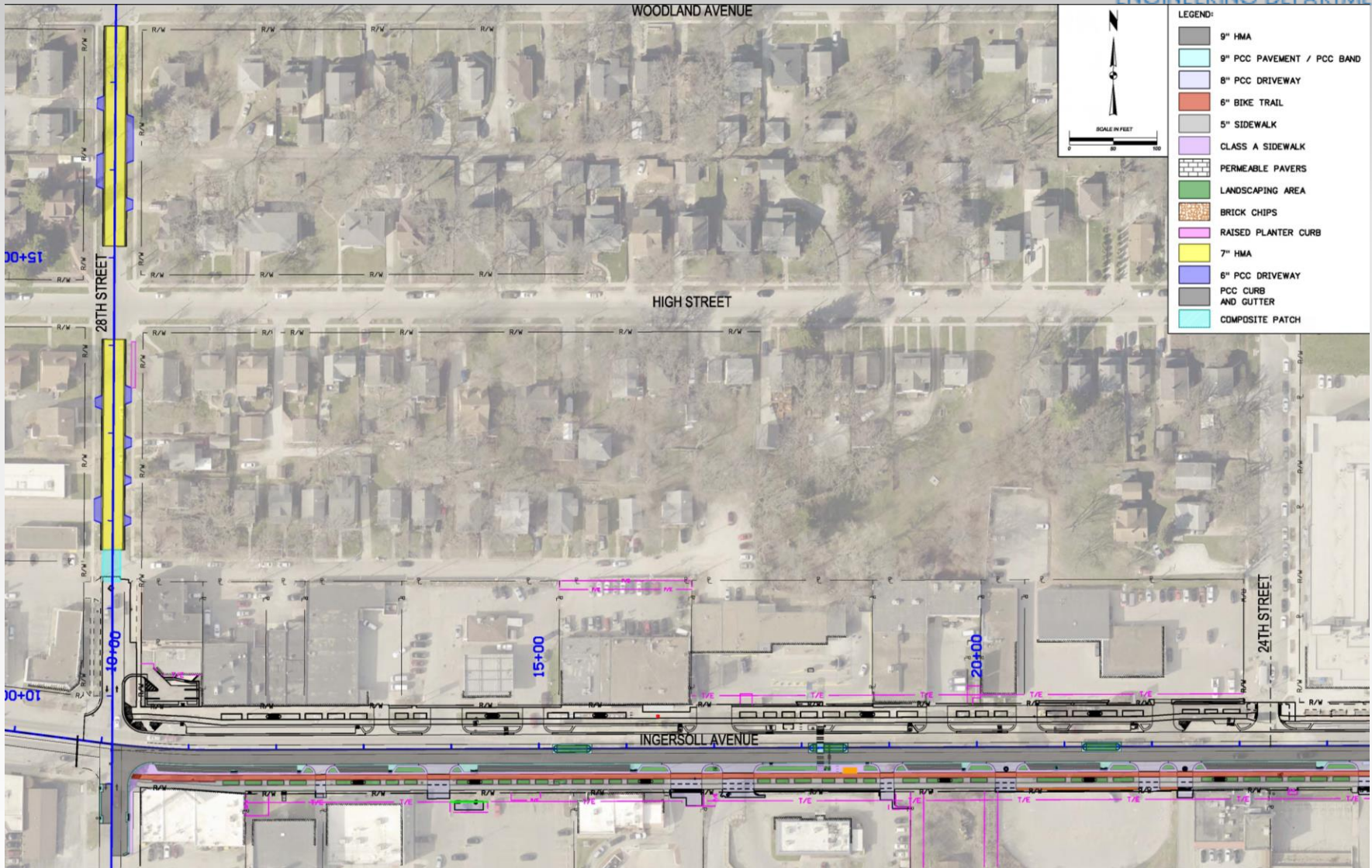
Phase 3 Streetscape - 2022 Construction Update



- Phase 3 will reconstruct the southside of Ingersoll Avenue between 28th Street and M.L. King Jr. Parkway.
- The reconstruction of 28th Street between Linden Street and Woodland Avenue has been included in this project.

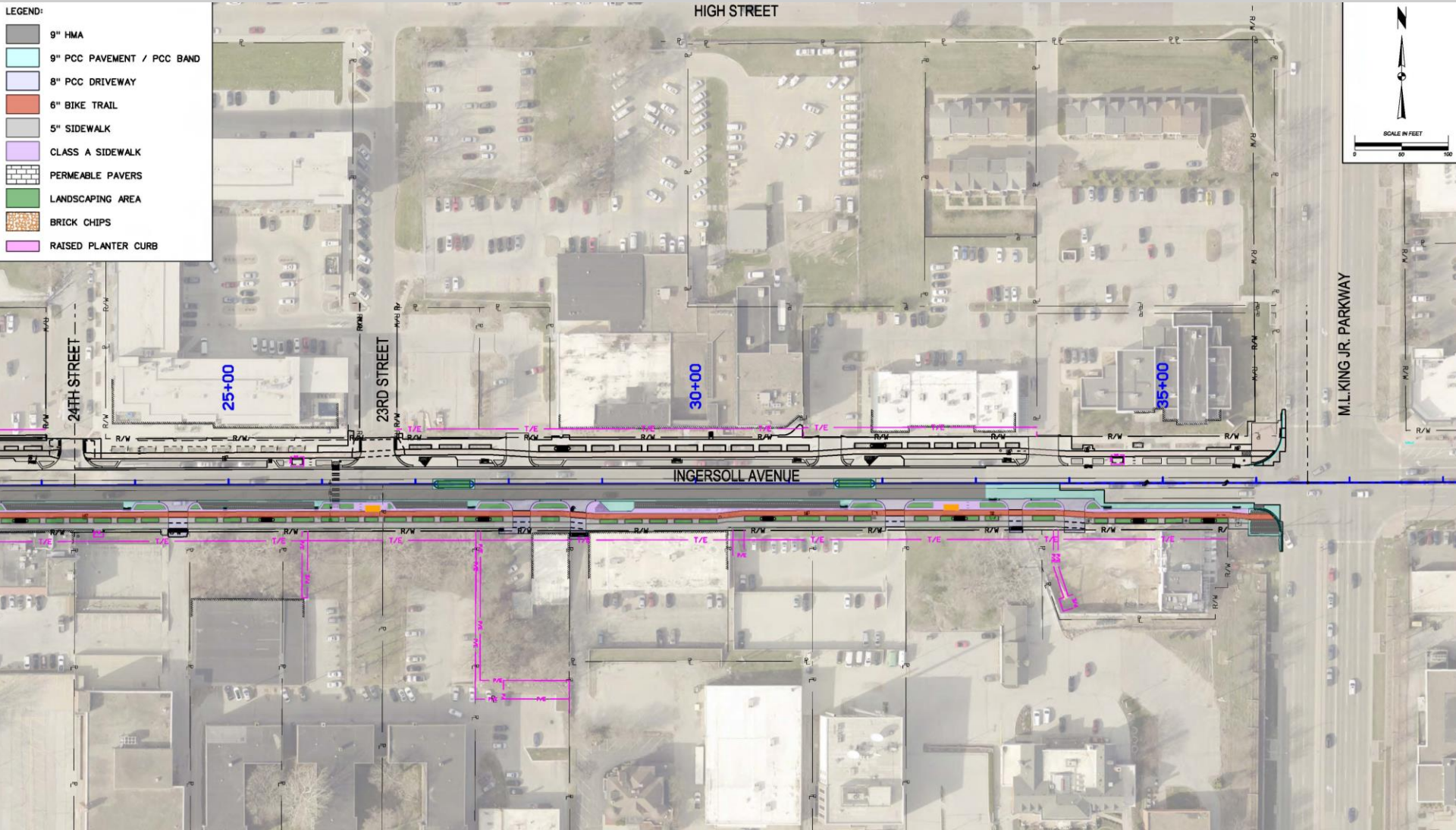
Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update



Ingersoll Avenue Improvements Update

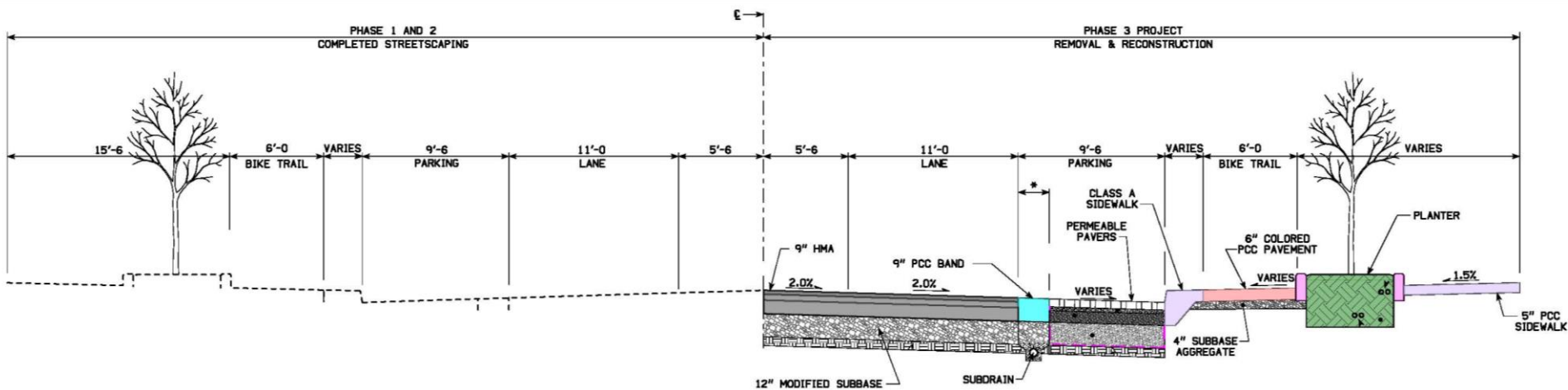
Phase 3 Streetscape - 2022 Construction Update



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

- Work will include new:
 - *Sidewalks*
 - *Planters*
 - *Raised Bike Lane*
 - *Permeable Paver Parking*
 - *Street Paving*



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

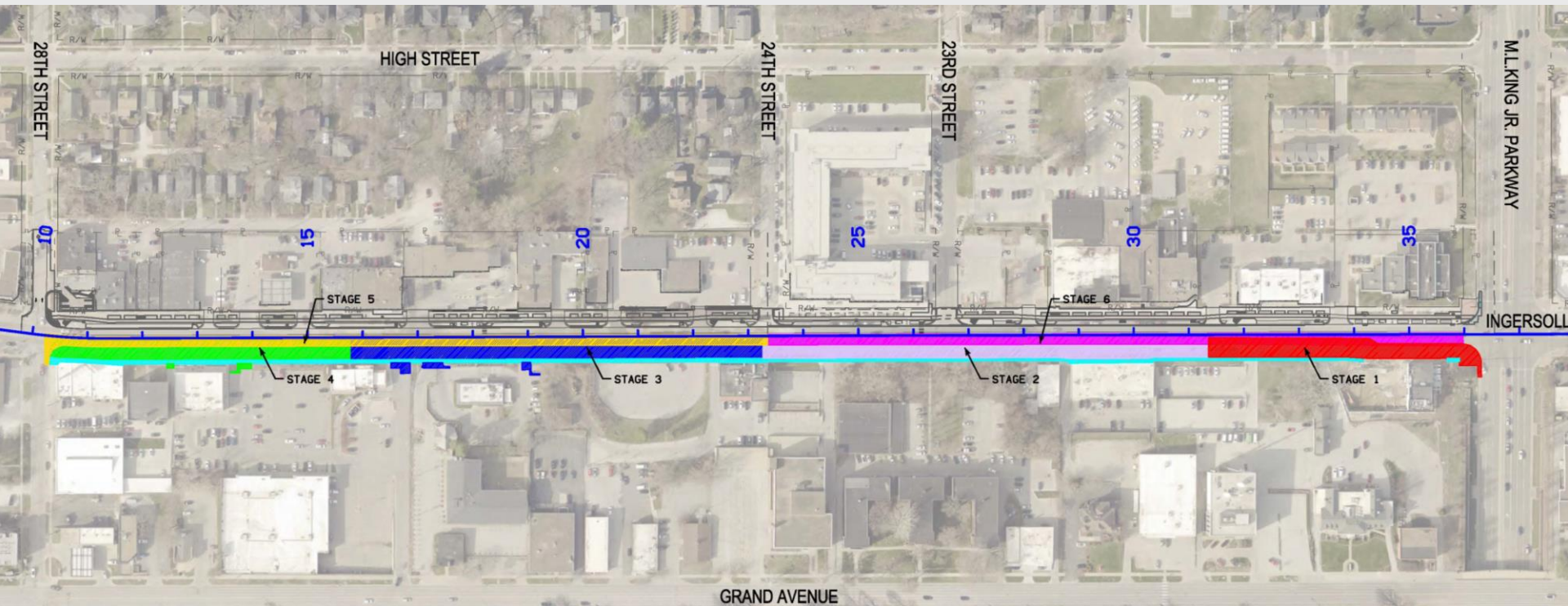
- New storm trench drains will be installed at key driveways to reduce runoff onto the street.



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

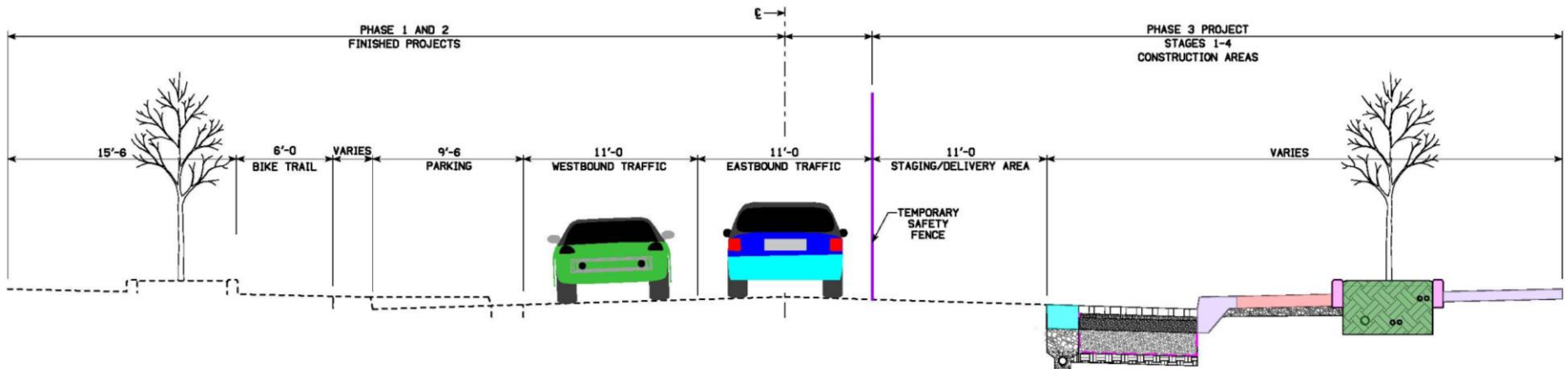
- Six construction stages are proposed, which will overlap as construction progresses.



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

- Stages 1-4 will be similar to construction of Phases 1 and 2
- Traffic will be head-to-head with eastbound traffic using the existing center turn lane



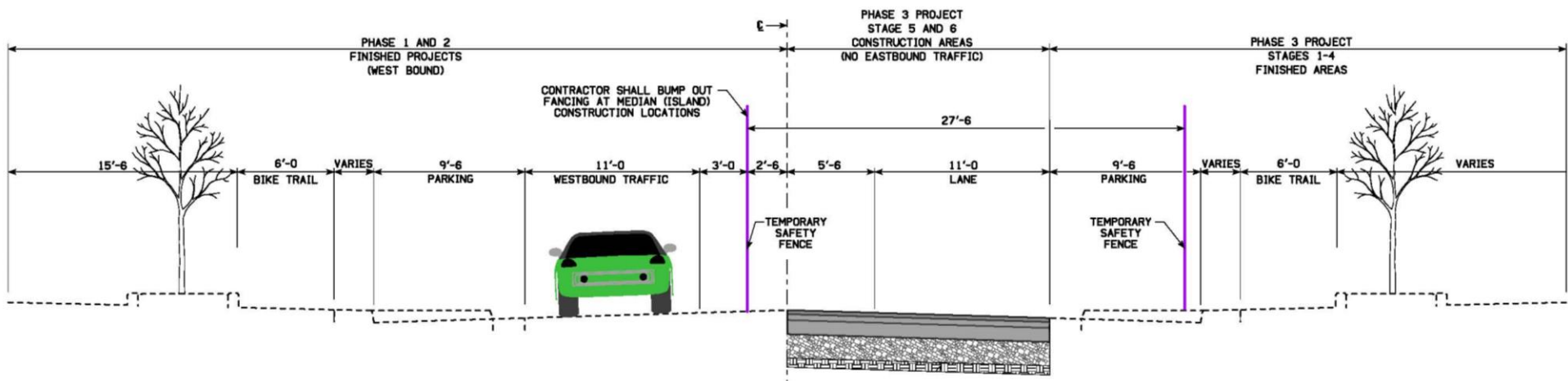
INGERSOLL AVENUE - PHASE 3
TRAFFIC CONTROL
STAGES 1-4

NOTE:
FOR ADDITIONAL TRAFFIC CONTROL LAYOUT DETAILS SEE
SHEETS J.04 TO J.16.

Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

- Stages 5 and 6 will require 1-way traffic due to lack of space for 2-way traffic.



INGERSOLL AVENUE - PHASE 3
TRAFFIC CONTROL
STAGE 5 AND 6

NOTE:

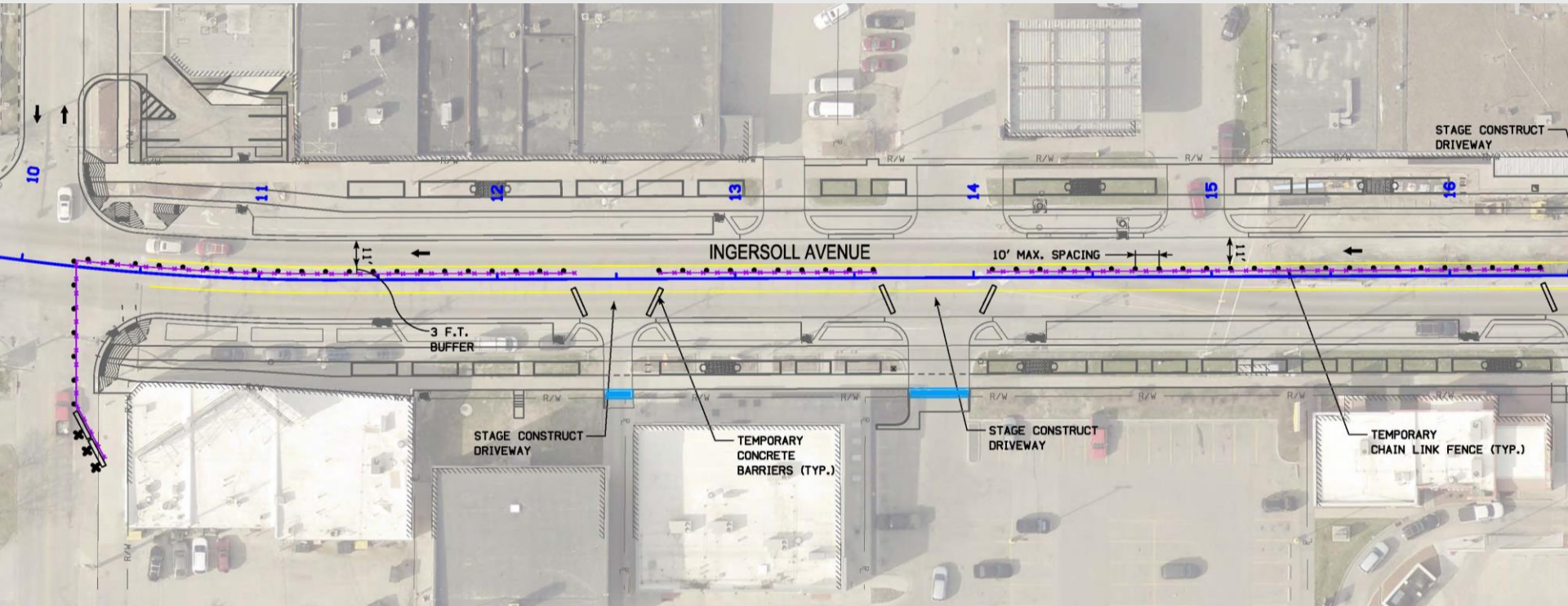
FOR ADDITIONAL TRAFFIC CONTROL LAYOUT DETAILS SEE SHEETS J.17 TO J.22.

Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update



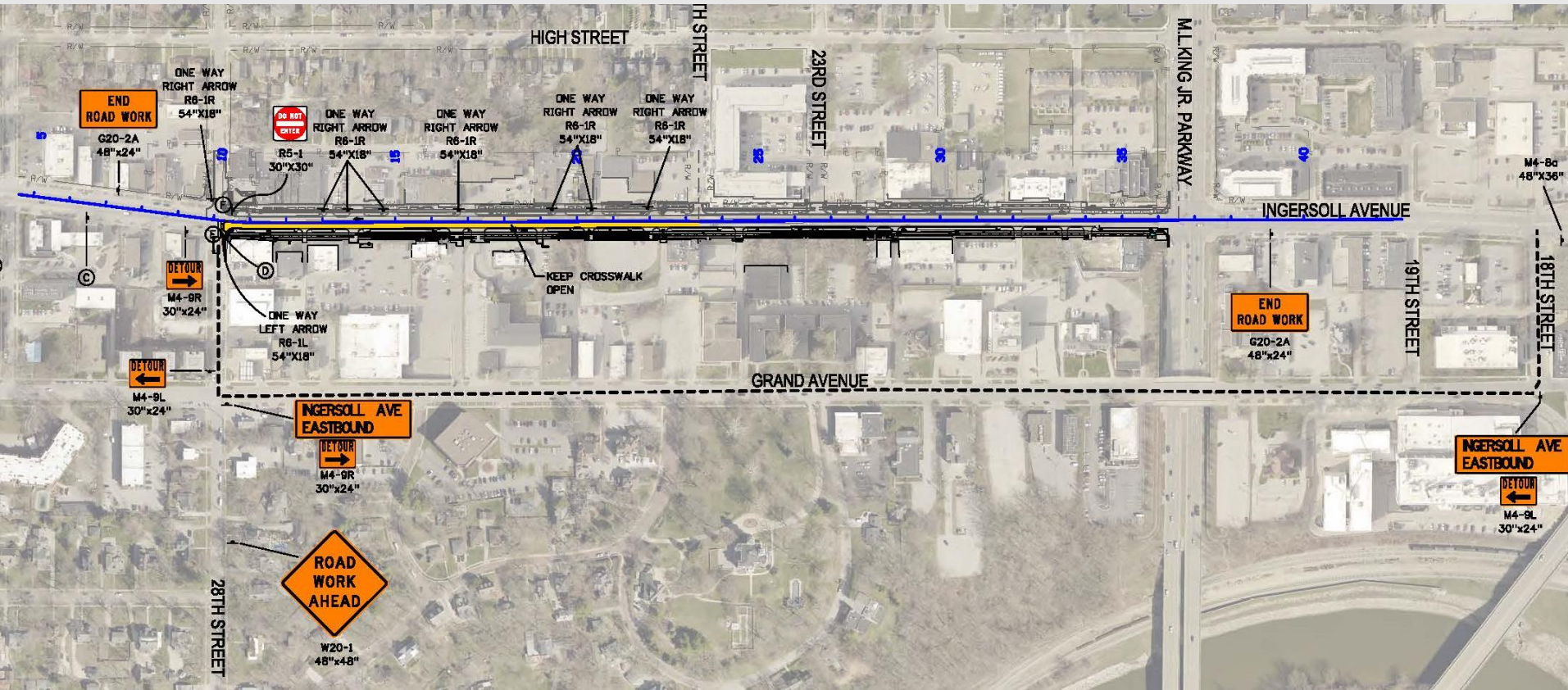
- One-Way Traffic Layout



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update

- The detour for Eastbound traffic will be Grand Avenue.
- Stages 5 and 6 are expected to last 2 months



Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update



- Impacts to businesses will be driveway replacements, sidewalk replacements, and reduced on-street parking.
- Some driveways (1-point of access only) will be reconstructed outside of business hours. (night work)
- Steel plates will be placed over any excavations during business hours to maintain access.

Ingersoll Avenue Improvements Update

Phase 3 Streetscape - 2022 Construction Update



Contact Information – Onsite Consultant Kirkham, Michael & Associates, Inc.

- Engineer: Scott Almeida, P.E.
 - salmeida@kirkham.com , 515-953-9012
- Observer: Danielle Richards
 - drichards@kirkham.com, 515-204-7902

Agenda

Recent Improvements

2022 Construction Update

Phase 4 Streetscape Design Concepts

Questions and Comments

Ingersoll Avenue Improvements Update

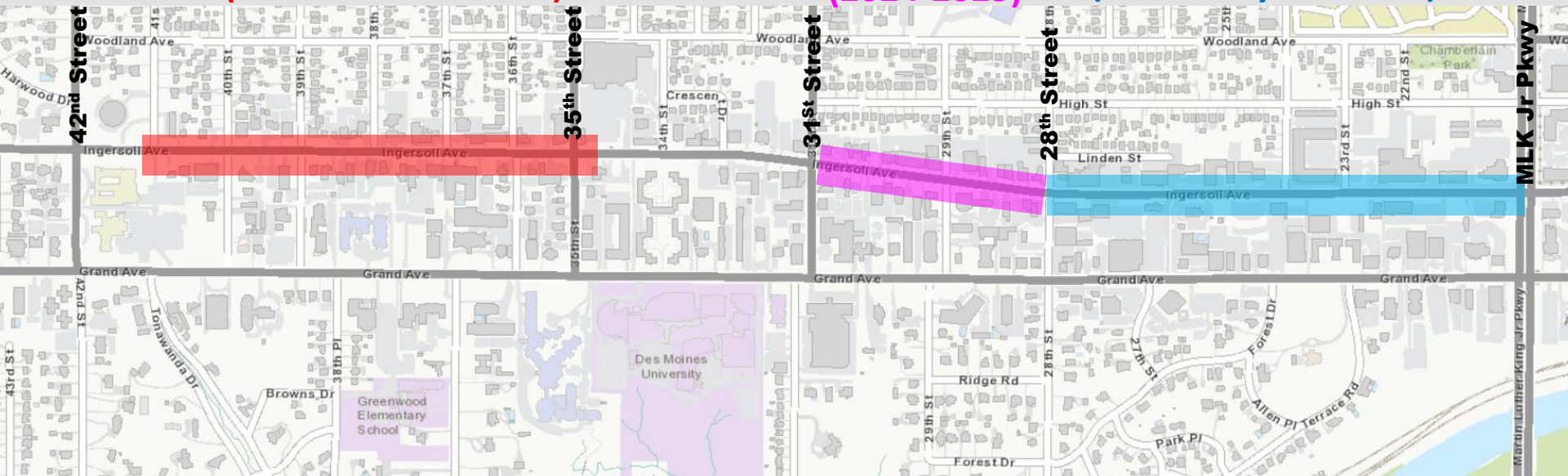
Phase 4 Streetscape Conceptual Improvements



**Western Ingersoll Sewer Separation
(2022-Summer 2023)**

**Ingersoll Ave
Streetscape
Phase 4
(2024-2025)**

**Ingersoll Ave
Streetscape Phase 3
(2022-Early Fall 2023)**



Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



- Goals for Phase 4:
 1. *Increase safety for all users*
 2. *Maintain and enhance existing streetscape*
 3. *Create vibrant commercial corridor with uniform look*

Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements

- Tasks for Phase 4:

1. *Replace aging roadway pavement between planters*



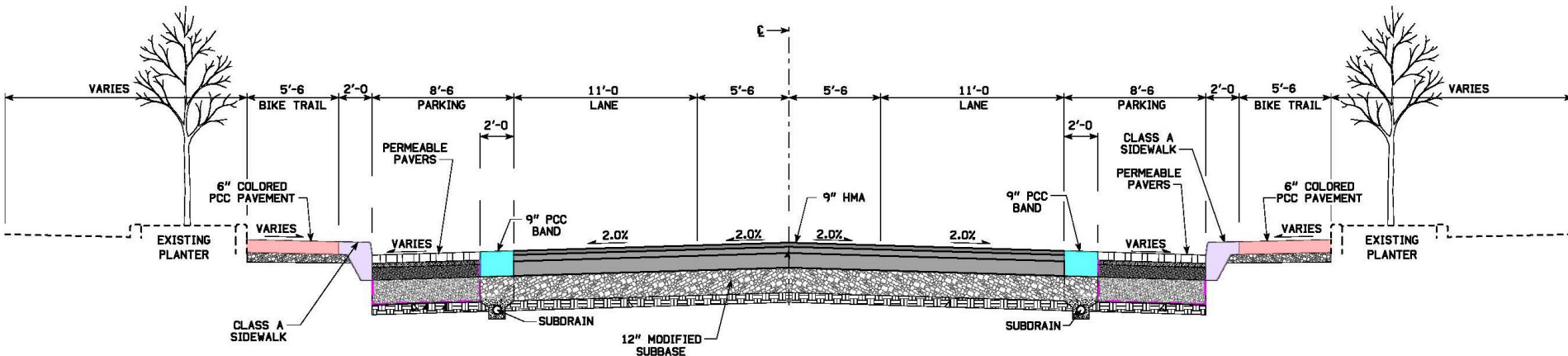
Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements

- Tasks for Phase 4:

2. Add:

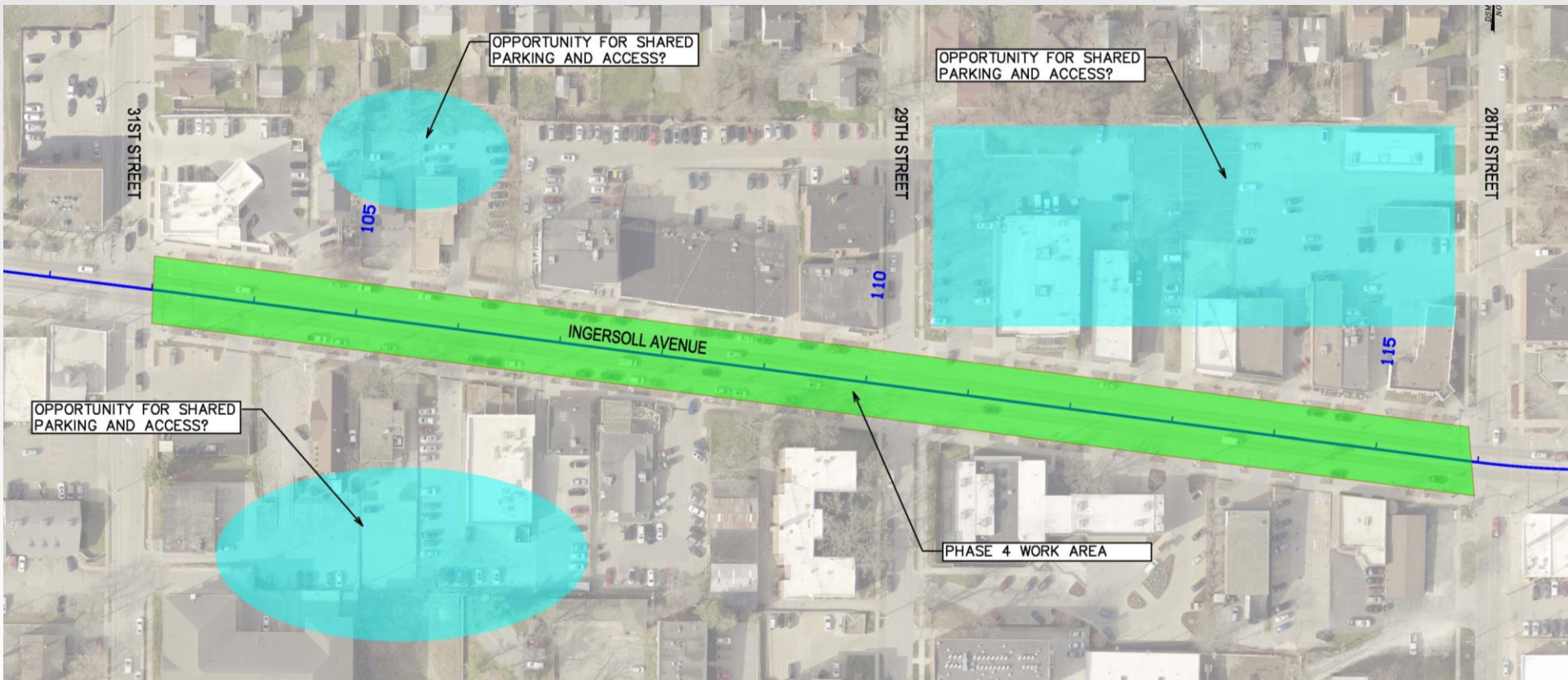
- *Raised Bike Lane*
- *Permeable Paver Parking*
- *Additional Storm Sewer*



Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements

- Tasks for Phase 4:
 3. *Increase or maintain on-street parking levels*
 4. *Increase off-street parking coordination*



Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



- Design Challenges:
 - *Significant number of driveways*
 - *Keeping adequate sight distances*
 - *Implementation of new typical section*
 - *Parallel parking does not fit within ROW*

Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



- 10% Conceptual Plan:
 - Remove select driveways where access is available via other routes to keep on-street parking numbers high
 - Coordinate rear-parking between businesses to help all properties
 - Reach out to properties where changes are being conceptualized and discuss possibilities

Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



- Design Team Contacts:
 - Scott Almeida, P.E. – Kirkham Michael
 - salmeida@kirkham.com
 - Lauren Kollauf – Avenues Director
 - director@theavenuesdsm.com
 - Chris Kuhl, P.E. – City of Des Moines
 - ckkuhl@dmgov.org

Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



- Next Steps & Anticipated Schedule:
 - Proceed to 10% design layout and parking stall counts (February – March)
 - Stakeholder meetings to discuss proposed improvements (Summer-Fall 2022)
 - Final Design: 2023
 - Construction: 2024-2025

Ingersoll Avenue Improvements Update

Phase 4 Streetscape Conceptual Improvements



Questions and Comments

**Western Ingersoll Sewer Separation
(2022 - Summer 2023)**

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(2022 – Early Fall 2023)**

