

**Massachusetts Bay
Transportation Authority**

Worcester Union Station Accessibility and Infrastructure Improvements

Public Meeting

May 27, 2020

Virtual Meeting – 5:30 PM

Maribel Kelly, MBTA Sr. Project Manager

Public Meeting amid COVID-19 circumstances

In light of the ongoing COVID-19 coronavirus outbreak, Governor Baker issued an emergency order on March 12, 2020, allowing public bodies greater flexibility in utilizing technology in the conduct of meetings under the Open Meeting Law. The MBTA greatly values the participation of its citizens in the public meeting process, but given the current circumstances and recommendations at both the state and federal levels to limit or avoid public gatherings, including Governor Baker's ban on gatherings of more than 25 people (later revised to 10 people), together with the present closure of public buildings to the public, the MBTA has decided to implement the "remote participation" procedures. The virtual webinar is part of that effort.



Notification of Recording

- This meeting will be recorded and the Massachusetts Bay Transportation Authority (MBTA) may choose to retain and distribute the video, still images, audio, and/or the chat transcript.
- Attendees will be muted and video will be turned off upon entry.
- By continuing with this virtual meeting, you are consenting to participate in a recorded event.
- The recordings and chat transcript will be considered a public record.
- If you do not feel comfortable being recorded, please turn off your camera and/or mute your microphone, or leave the meeting.



Virtual Meeting Best Practices

- The question and answer portion will take place at the end of this presentation.
- If you have any questions during the webinar, you may submit them in zoom's Q&A box, located at the bottom of your zoom window.
- If you are attending via phone, you can ask a question by dialing *9. This will put you in a queue and the moderator will call out the last 4 digits of your phone number when it is your turn.
- This meeting presentation is currently available to view on the project's website, www.mbta.com/UnionStation.
- The entirety of this webinar recording will be posted to the project's website upon the conclusion of the presentation.
- Questions can also be submitted to unionstation@mbta.com at any time during this project's duration.





Agenda

- Team Introduction
- Project Goals
- Project Overview
 - Purpose and Need
 - Project Benefits
 - Existing Station Layout
 - Proposed Station Layout
- Environmental Considerations
- Project Schedule
- Construction Phasing
- Q&A



Team Introductions

MBTA

- Deputy Chief, Capital Delivery
Commuter Rail Programs
- Sr. Director of Commuter Rail
- Sr. Project Manager

Nazanin Mossahebi
Anthony DeDominicis
Maribel Kelly

Panelists – Project Team

- MBTA Sr. Project Manager
- HDR Project Manager
- HDR Sr. Architect
- HDR Architect
- HDR Engineer

Maribel Kelly
Eric DiVirgilio
Michael Baskin
Christopher Smee
Kevin Slattery





Project Goals

- Accessibility
- Safety
- Operational Flexibility
- Sustainability
- Resiliency

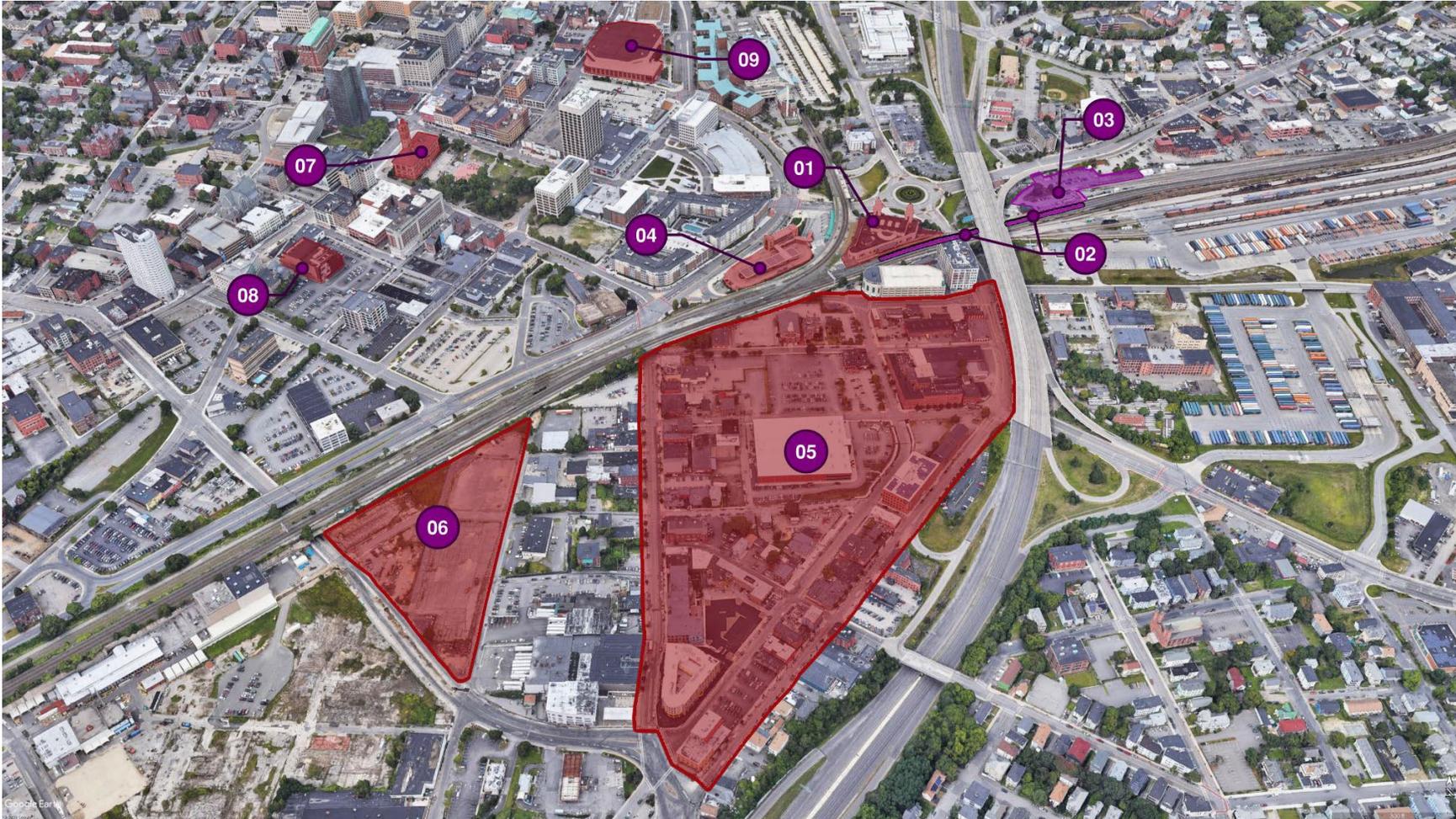


Project Overview– Purpose, Needs & Benefits

- Implement **ADA upgrades** to fulfill code compliance requirements.
- Increase passenger and overall **system safety** - Improved lighting, clear site lines, security cameras.
- Improve **reliability** and **resilience** - Center island high level platform to allow two trains sets simultaneous access to the platform and the addition of a crossover.
- Increase **capacity** and **operational reliability, flexibility** and **resiliency** for both MBTA and Amtrak services in the near and long-terms.
- **Reduce** station life cycle maintenance costs and **lower** energy consumption.



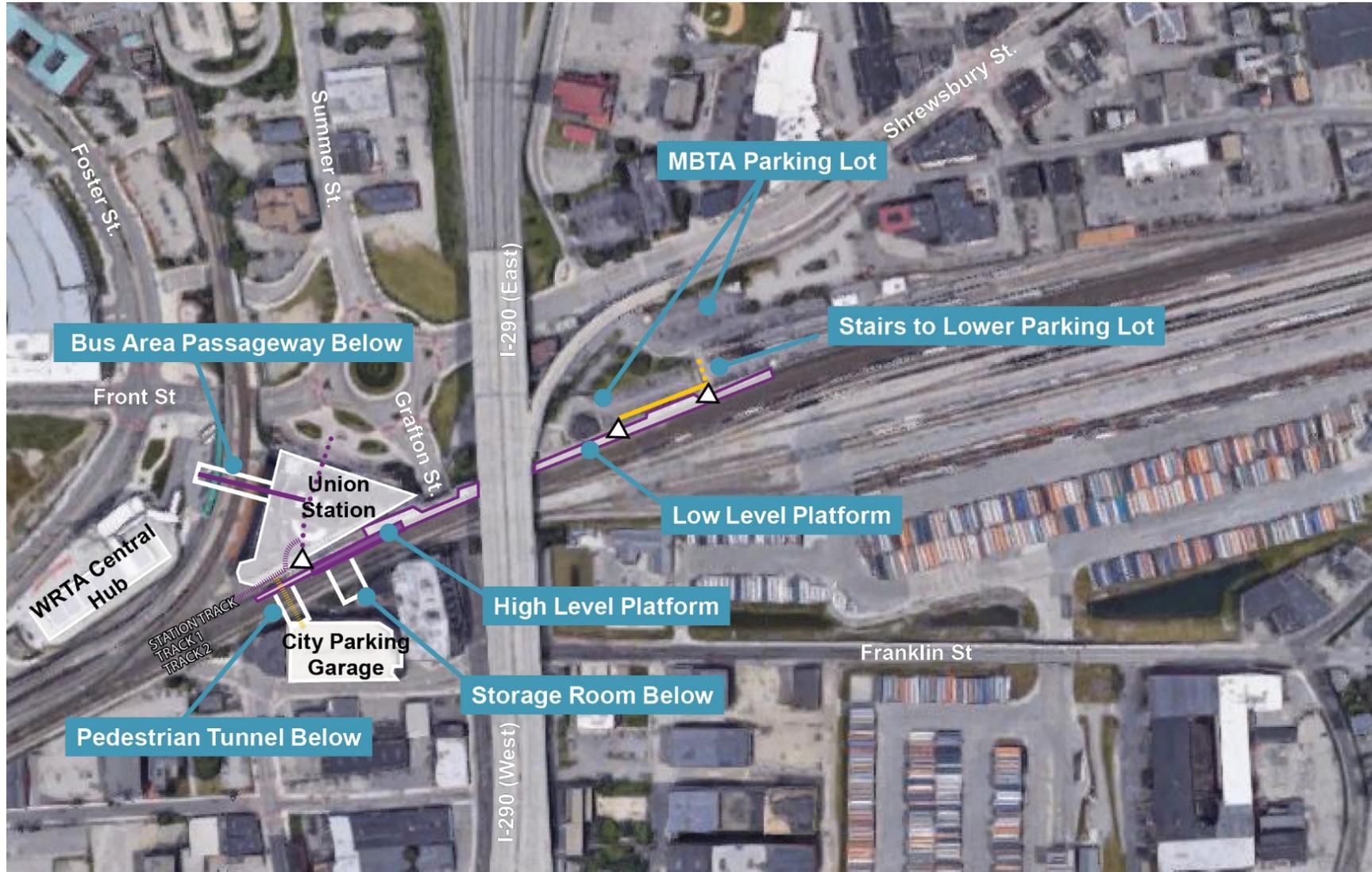
Project Overview – Project Area Map



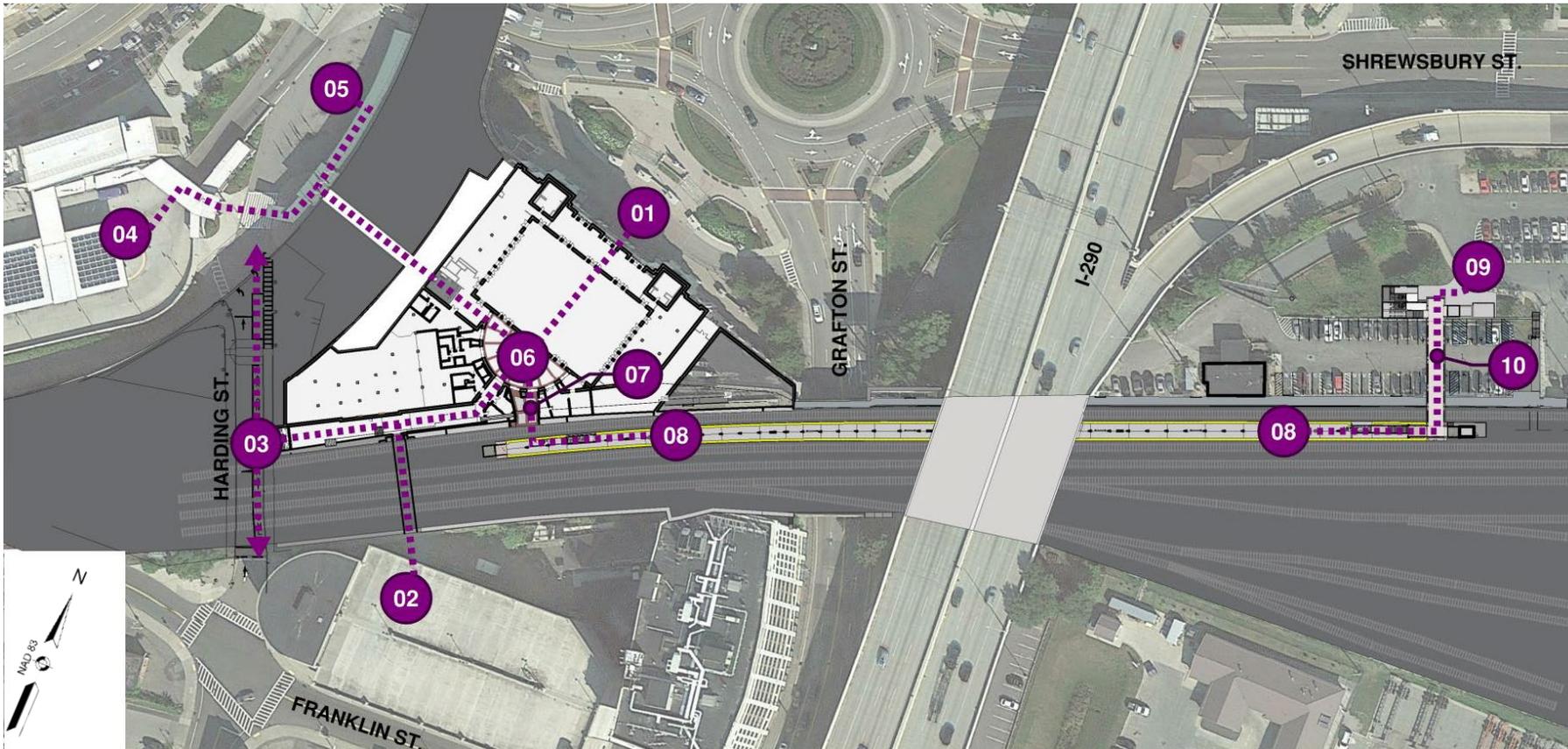
LEGEND:

1. Union Station
2. New Center Island Platform
3. MBTA East Parking Lot
4. WRTA Bus Facility
5. Canal District
6. Baseball Stadium Site
7. City Hall
8. Hanover Theatre
9. DCU Center

Project Overview – Project Station Layout



Project Overview – Station Access

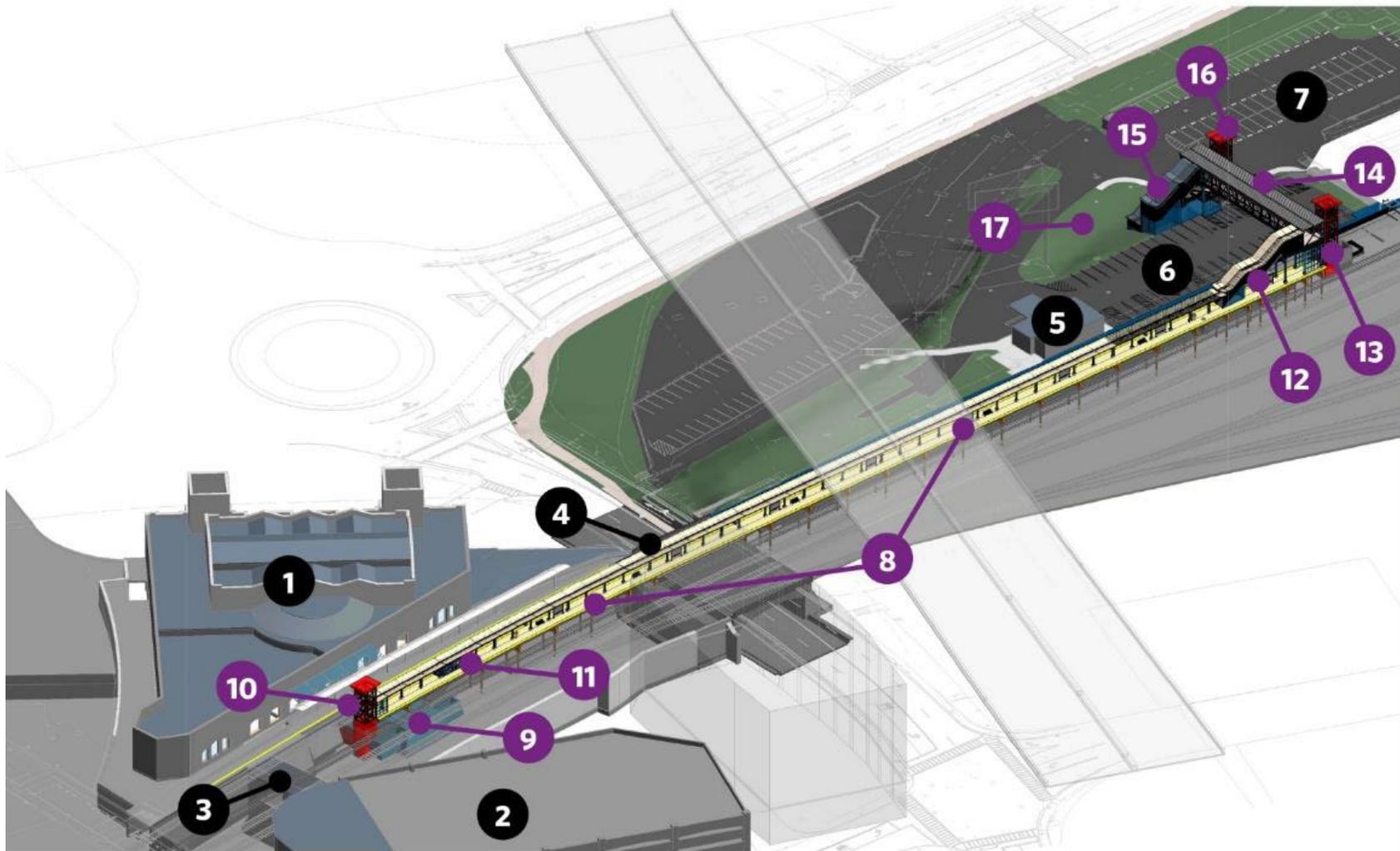


LEGEND:

1. Front Entrance / Drop-Off
2. Union Station Garage
3. Harding Street Entrance / Taxi & Ride Share Area
4. WRTA Bus Station
5. Inter-City Bus Bays
6. Rotunda (Convergence Point within the Station Building)
7. Platform Access Corridor (Ticketing Located Here)
8. New Center Island Platform
9. East Passenger Drop-Off*
10. Pedestrian Bridge (Ticketing Located Here)

* This is currently being coordinated between MBTA and WRA

Project Overview – Overall 3D View at Station



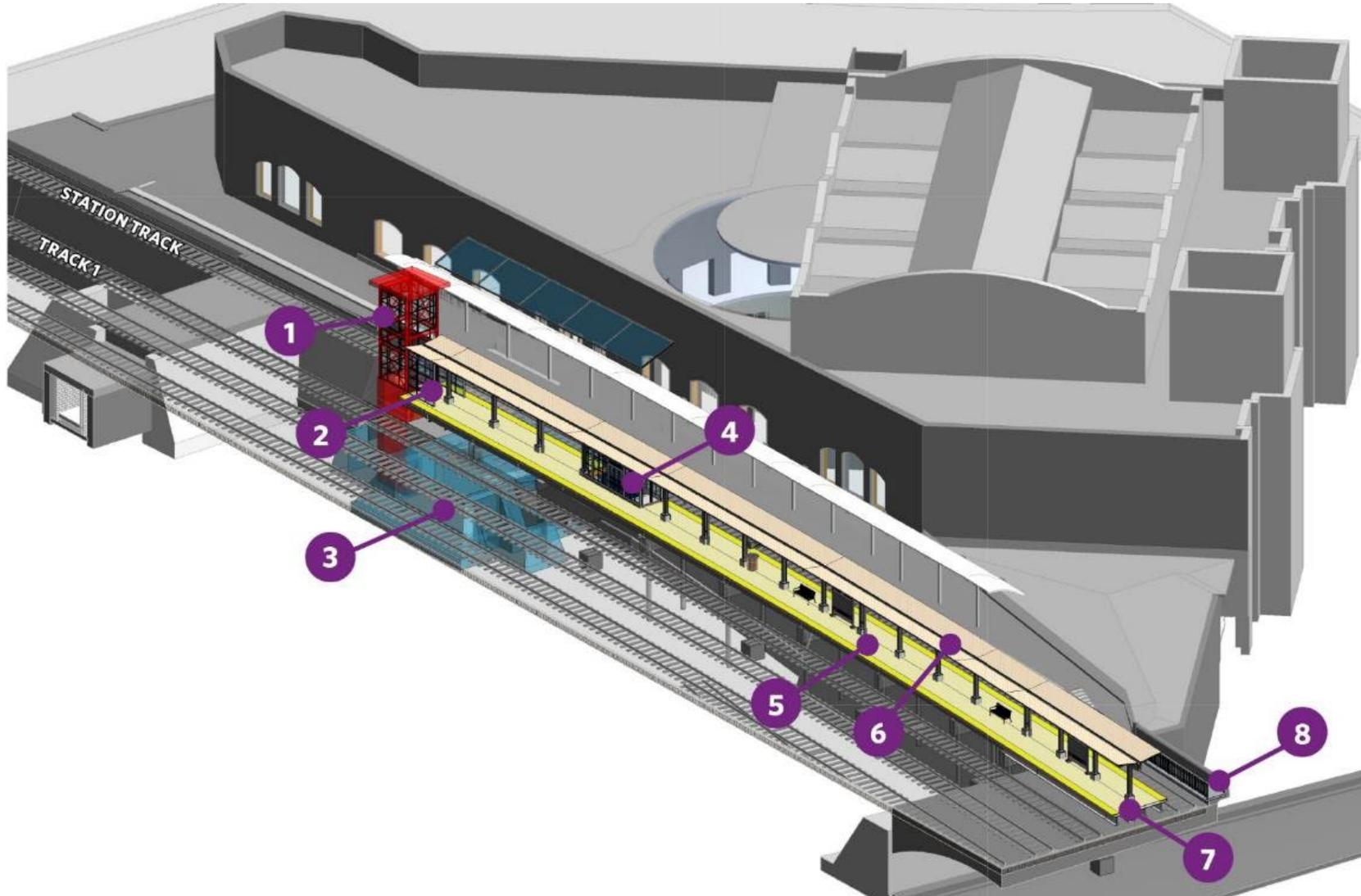
EXISTING FEATURES:

1. Union Station Building
2. Union Station Parking Garage
3. Pedestrian Tunnel to Parking Garage
4. Grafton St. Bridge
5. Keolis Building
6. MBTA Upper Parking Lot
7. MBTA Lower Parking Lot

PROPOSED FEATURES:

8. Center Island Platform
9. Platform Access Corridor (Below)
10. Elevator #1
11. Stair #1
12. Stair #2
13. Elevator #2
14. Pedestrian Bridge
15. Stair #3
16. Elevator #3
17. Rainwater Retention Area

Project Overview – West End 3D View



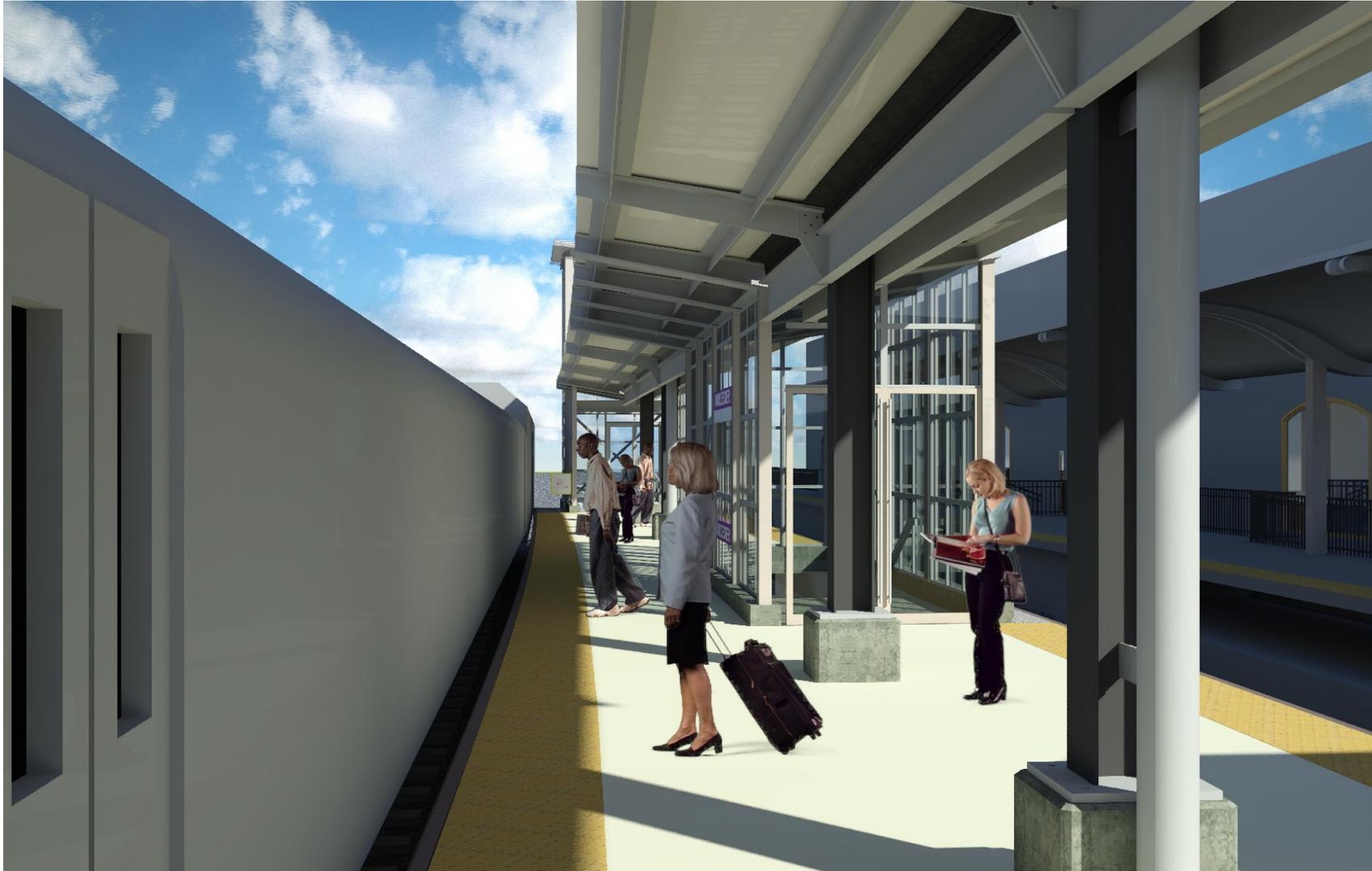
KEY FEATURES:

1. Elevator #1
2. Elevator Lobby at Platform
3. Platform Access Corridor (Below)
4. Stair #1 w/ Enclosure
5. Center Island Platform
6. Continuous Canopy
7. Platform Spans Over Grafton St. Bridge
8. Accessible Walkway

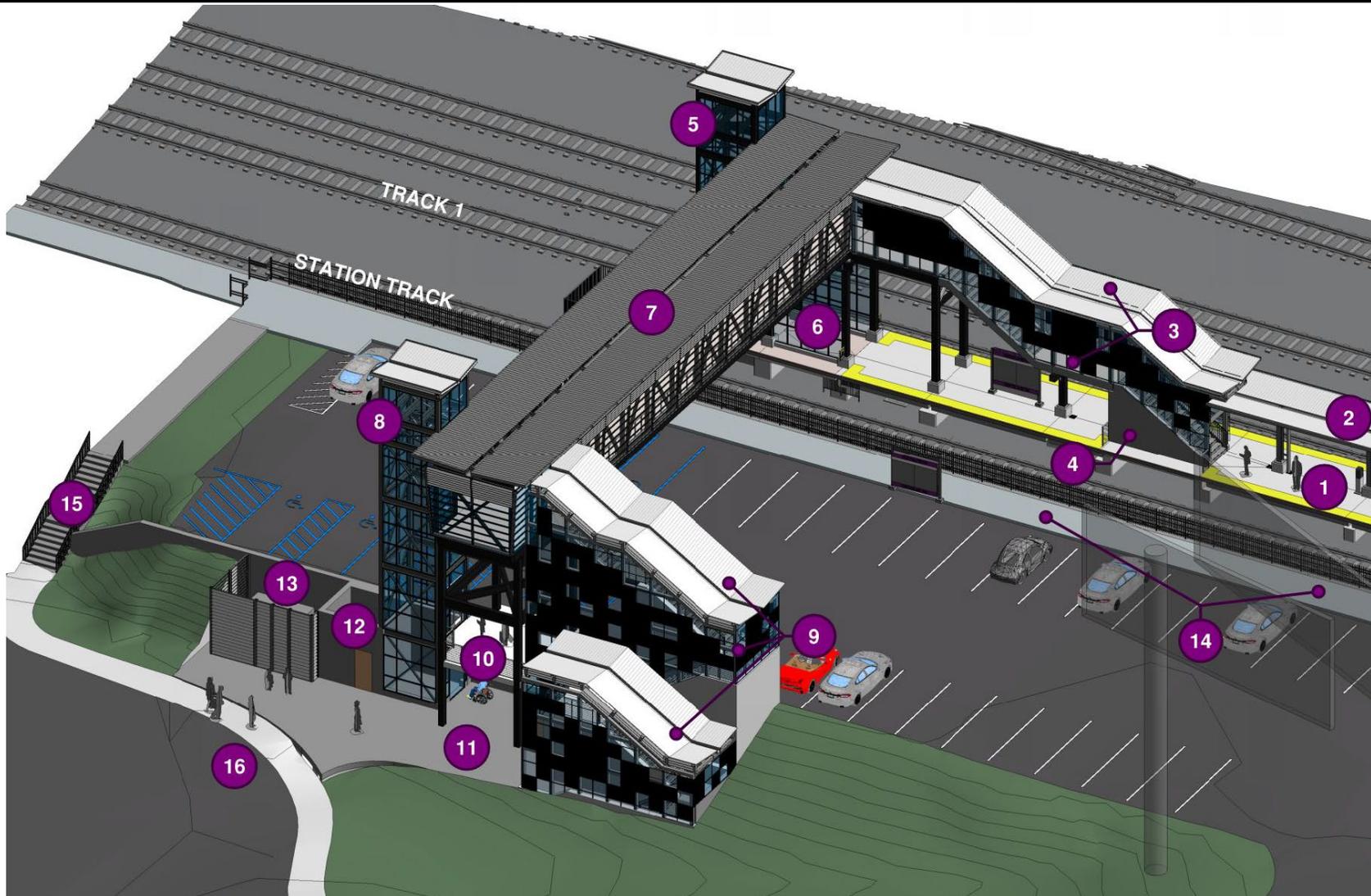
Project Overview – Rendering from Garage Roof



Project Overview – Rendering at West End from Platform



Project Overview – East End 3D View



KEY FEATURES:

1. Center Island Platform
2. Continuous Canopy
3. Stair #2 w/ Roof & Screening
4. Storage Room Below Stairs
5. Elevator #2
6. Elevator Lobby
7. Pedestrian Bridge
8. Elevator #3
9. Stair #3 w/ Roof & Screening
10. Upper Landing
11. Lower Landing / Plaza
12. EMR #3
13. Backup Generator & Enclosure
14. Accessible Walkway w/ Fence
15. Existing Concrete Stair
16. East Passenger Drop-Off

Project Overview– Rendering at East End from Platform



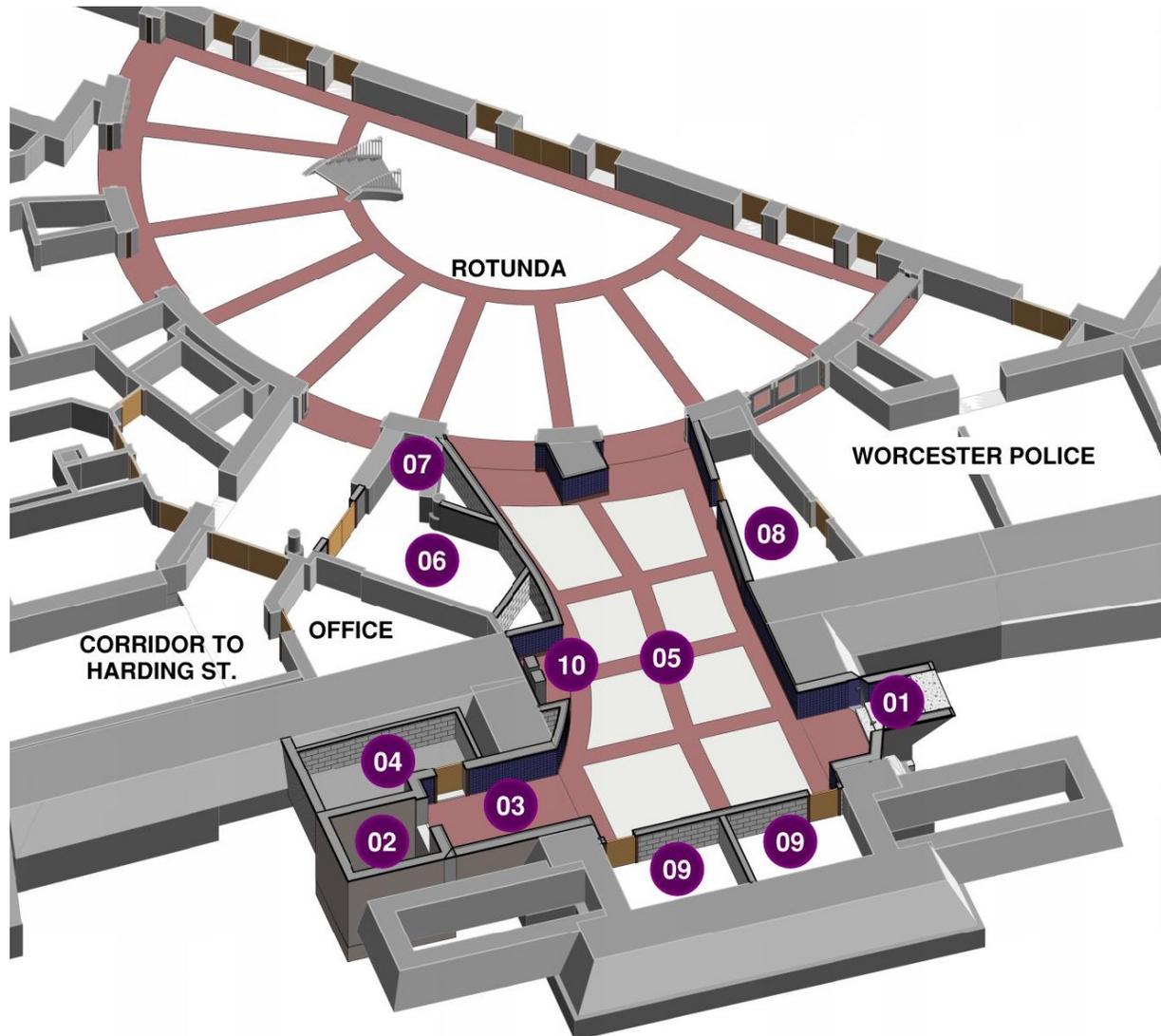
Project Overview - Rendering from Upper Parking Lot



Project Overview – Rendering from Lower Parking Lot



Project Overview – Platform Access from Union Station



KEY FEATURES:

1. Stair #1
2. Elevator #1
3. Elevator Lobby
4. Elevator #1 Machine Rm.
5. Platform Access Corridor
6. Mechanical Rm.
7. Exist. 3rd Party Comm. Equipment
8. Police Access Vestibule
9. MBTA Offices
10. Ticketing Alcove



Station Design Update– Rendering from Rotunda



Station Design Update – Rendering from Platform Access Corridor





Environmental Conditions

- Environmental conditions:
 - No adverse effect on historic properties
 - Ongoing Coordination with FTA, Worcester Historical Commission and Massachusetts Historic Commission (MHC)
 - Soil management requirements evaluated; routine for railroad ROW soils
- Environmental improvements:
 - Storm water treatment and management improvements.
 - LED lighting to minimize energy consumption.



Project Schedule

MILESTONE	SCHEDULE
30% Submission	July 2019
75% Submission	November 2019
100% PS&E	Anticipated - June 2020 Actual - April 2020
Bid Phase	August 2020 – October 2020*
Notice to Proceed (NTP) Construction	November 2020
Project Completed	Fall 2022

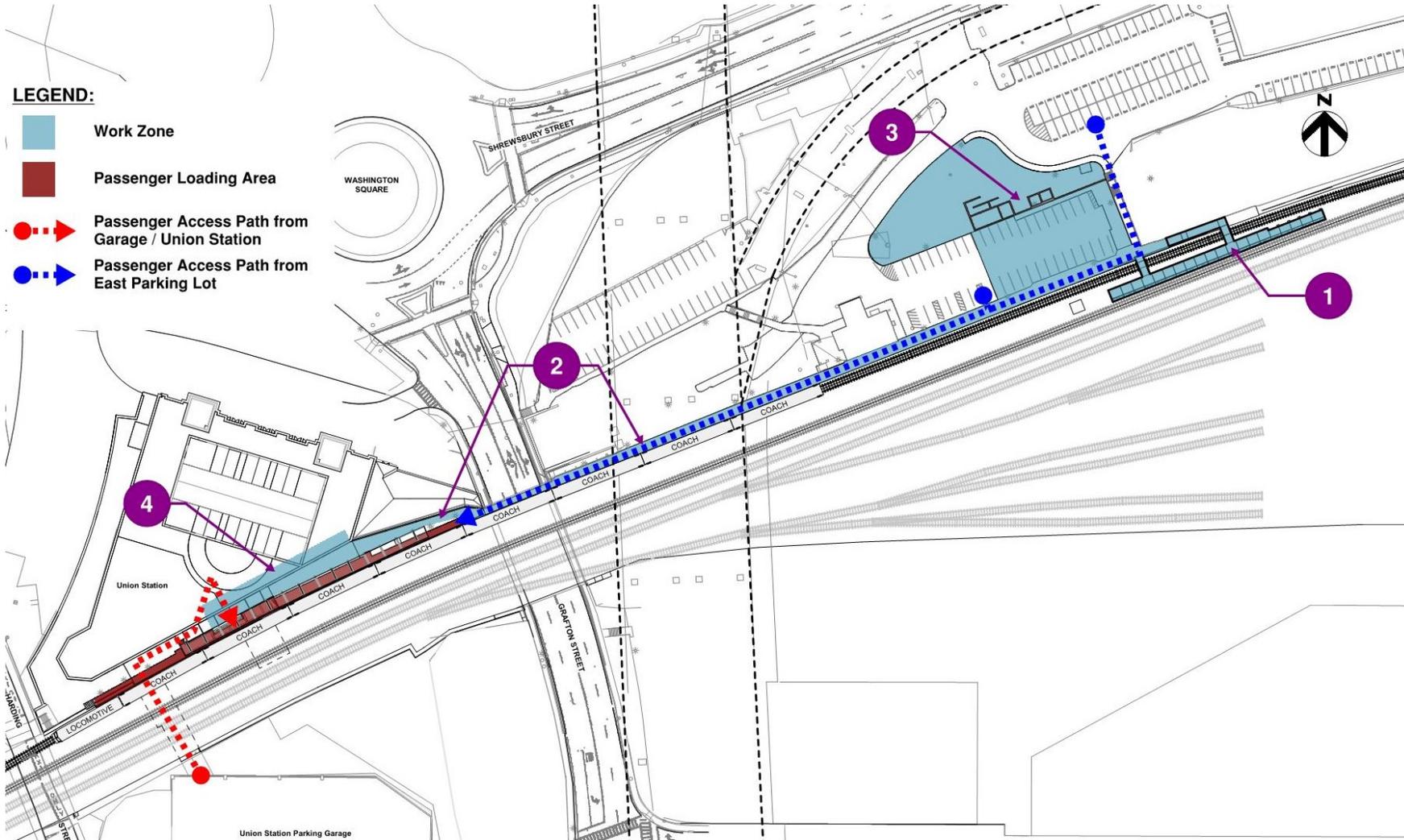
* Pending Construction Funding



Construction Phasing



Construction Phasing – Phase 1 (Approx. Duration: 4 Months)



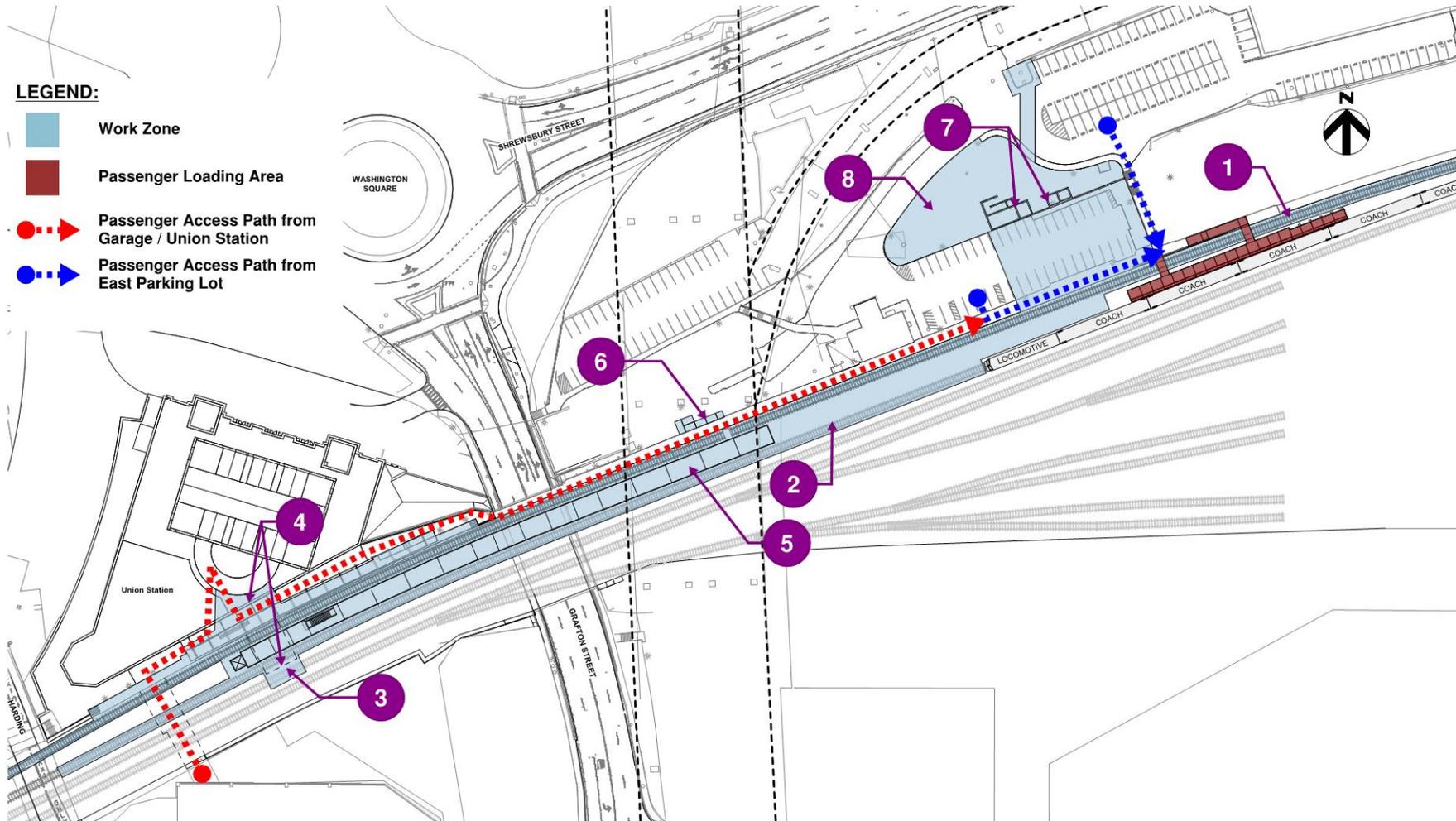
Passenger Access:

- No change to passenger access.
- Existing high-level platform remains in service

Construction Activities:

1. Construct temporary platform, ramp, and stairs east of proposed platform.
2. Convert existing low level platform into code compliant accessible walkway and install fence.
3. Begin work for new Retaining Wall, Electrical and Comm. Rooms at East Parking Lot.
4. Begin demolition inside Union Station.

Construction Phasing – Phase 2 (Approx. Duration: 12 Months)



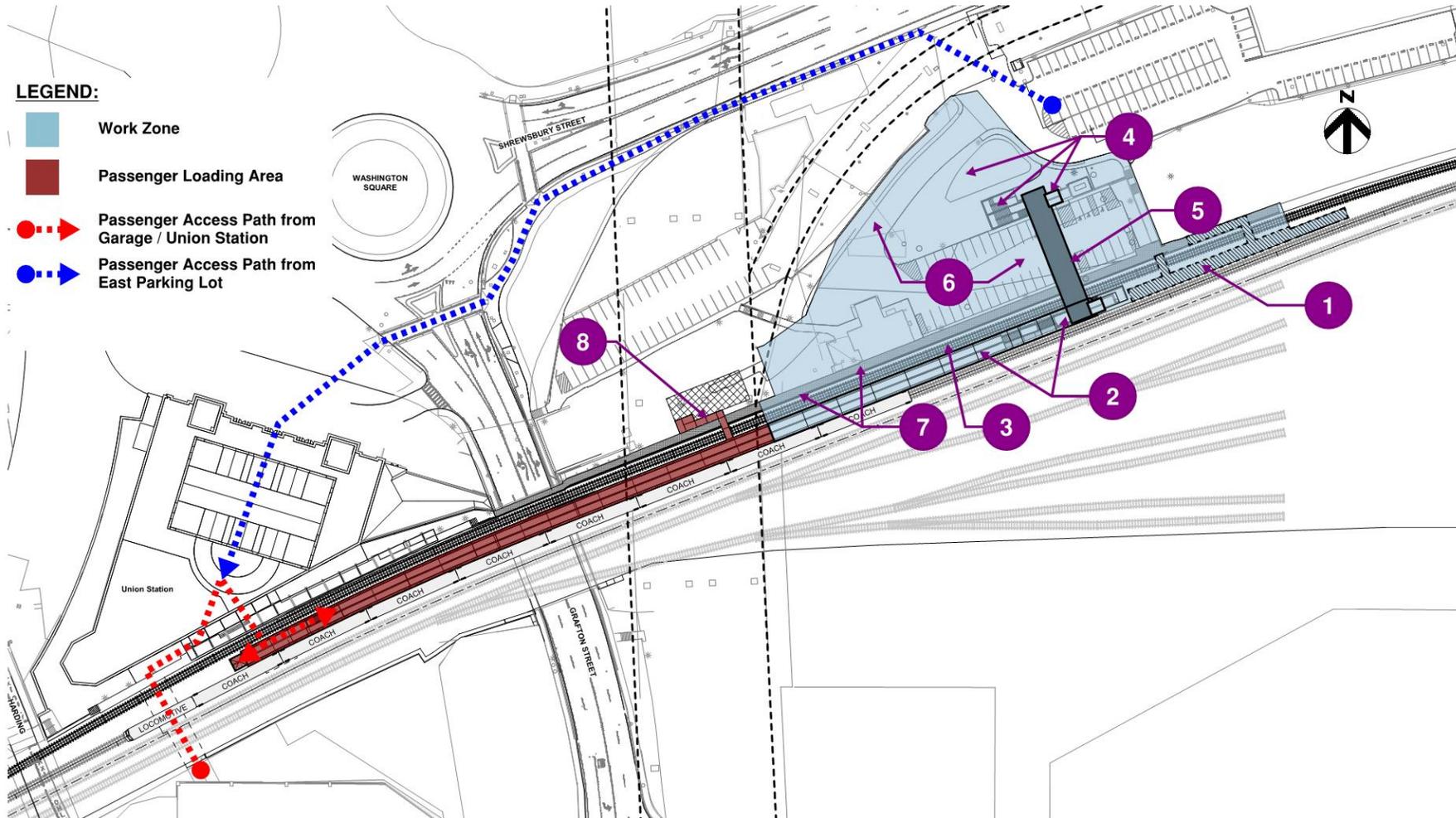
Passenger Access:

- Passenger loading is relocated to the temporary platform.
- The temporary platform will be accessed from the accessible walkway via stairs and a ramp.
- All trains will board from Track 1, with access to the 1st 4 cars.

Construction Activities:

1. Station Track is taken out of service to adjust profile.
2. Replace Track 1 in segments during non-revenue hours.
3. Portion of Track 2 is taken out of service to apply waterproofing.
4. Continue work within the station building.
5. Install micro piles and construct the west side of the platform.
6. Construct temporary ramp at the east end of the newly constructed portion of the platform.
7. Complete the electrical and comms. rooms at the east end.
8. Complete parking plaza and greenway area.

Construction Phasing – Phase 3 (Approx. Duration: 9 Months)



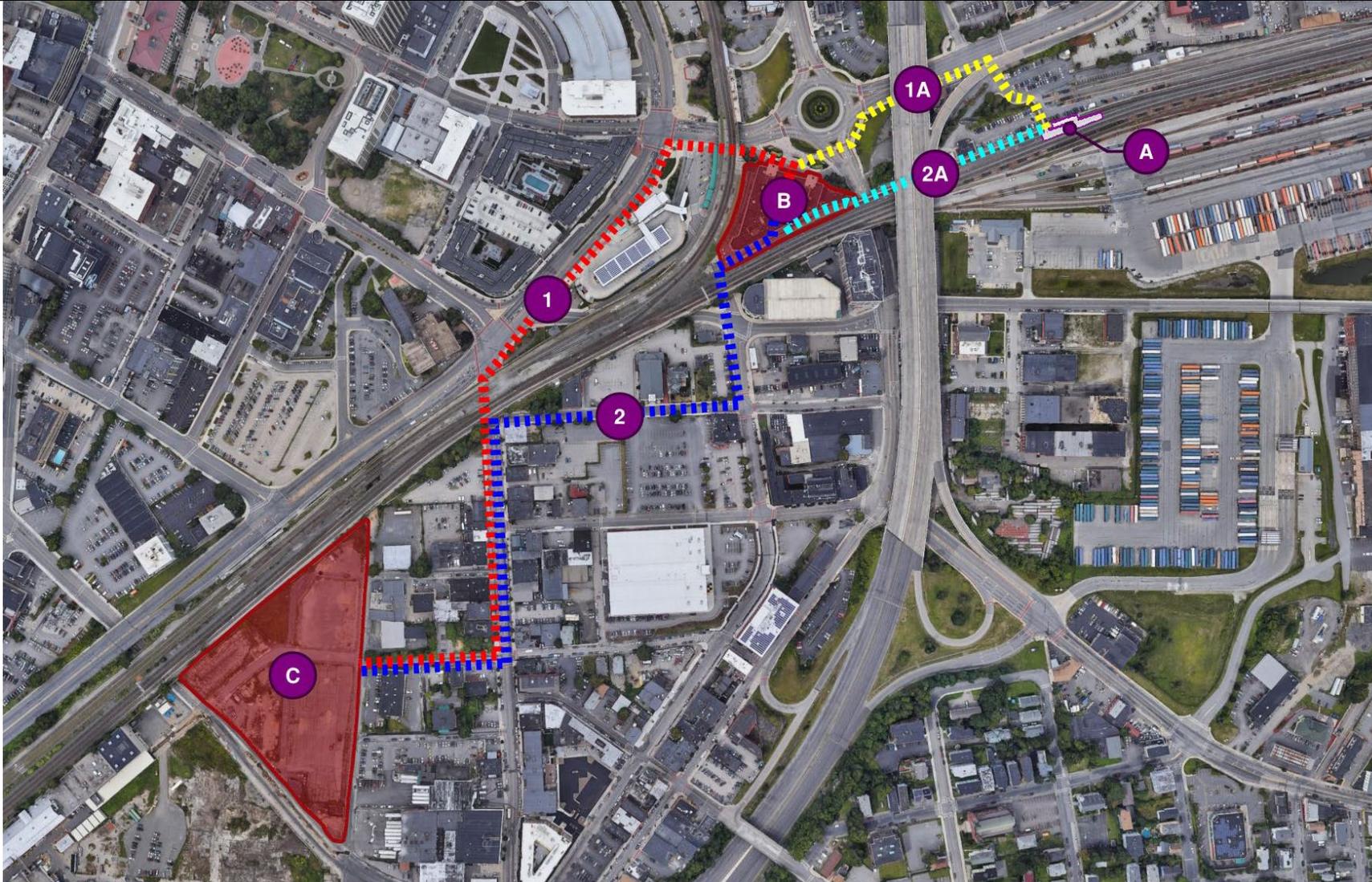
Passenger Access:

- Passenger loading is relocated to the west half of the new platform.
- The west half of the new platform will be accessed through the Union Station Building.
- All trains will board from Track 1, with access to up to 6 cars.
- All accessible parking is relocated to the parking garage.

Construction Activities:

1. Demolish temporary platform, ramp, and stairs.
2. Construct the east end of the platform.
3. Replace eastern section of Station Track.
4. Construct the North Stairs and Elevator.
5. Construct the pedestrian bridge.
6. Resurface and stripe exist. parking lots & driveway.
7. Provide permanent accessible walkway and fencing.
8. Secondary egress from west half of platform via ramp & area of rescue assistance.

Access to Polar Park During Construction



Destination Points:

- A. Temporary Platform
- B. Union Station Building
- C. Baseball Stadium Site

Walking Routes:

From Union Station:

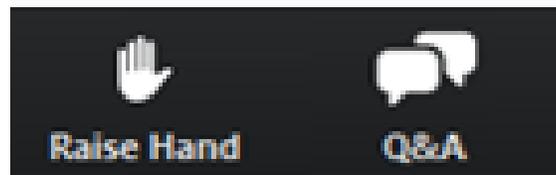
- 1. 0.5 Miles / Approx. 10 Min.
- 2. 0.4 Miles / Approx. 9 Min.

From Temporary Platform:

- 1A: Adds 0.2 Miles / 5 Min.
Total: 0.7 Miles / 15 Min.
- 2A: Adds 0.15 Miles / 4 Min.
Total: 0.65 Miles / 14 Min.

Questions & Answers

- Please share only one question or comment at a time.
- To ask a question via phone, dial *9 and the moderator will call out the last 4 digits of your phone number and unmute your audio when it is your turn.
- Use the “**Q&A**” button to submit a typed question or comment at any point during the meeting.
- Press the “**Raise Hand**” button to share your question or comment verbally.
 - After you raise your hand, wait for the moderator to recognize and unmute you before speaking.
 - After you share your question or comment, we will lower your hand and you will be muted to allow the team to respond and provide opportunities for others to participate.



You may also submit your questions or comments if we run out of time, after the meeting, to the project email address: unionstation@mbta.com or visit www.mbta.com/UnionStation for more information.



For More Information On This Project

Visit the Project Website

www.mbta.com/UnionStation

Public and Stakeholders can sign up for email updates from project on website.

Project Email

UnionStation@mbta.com

THANK YOU!

