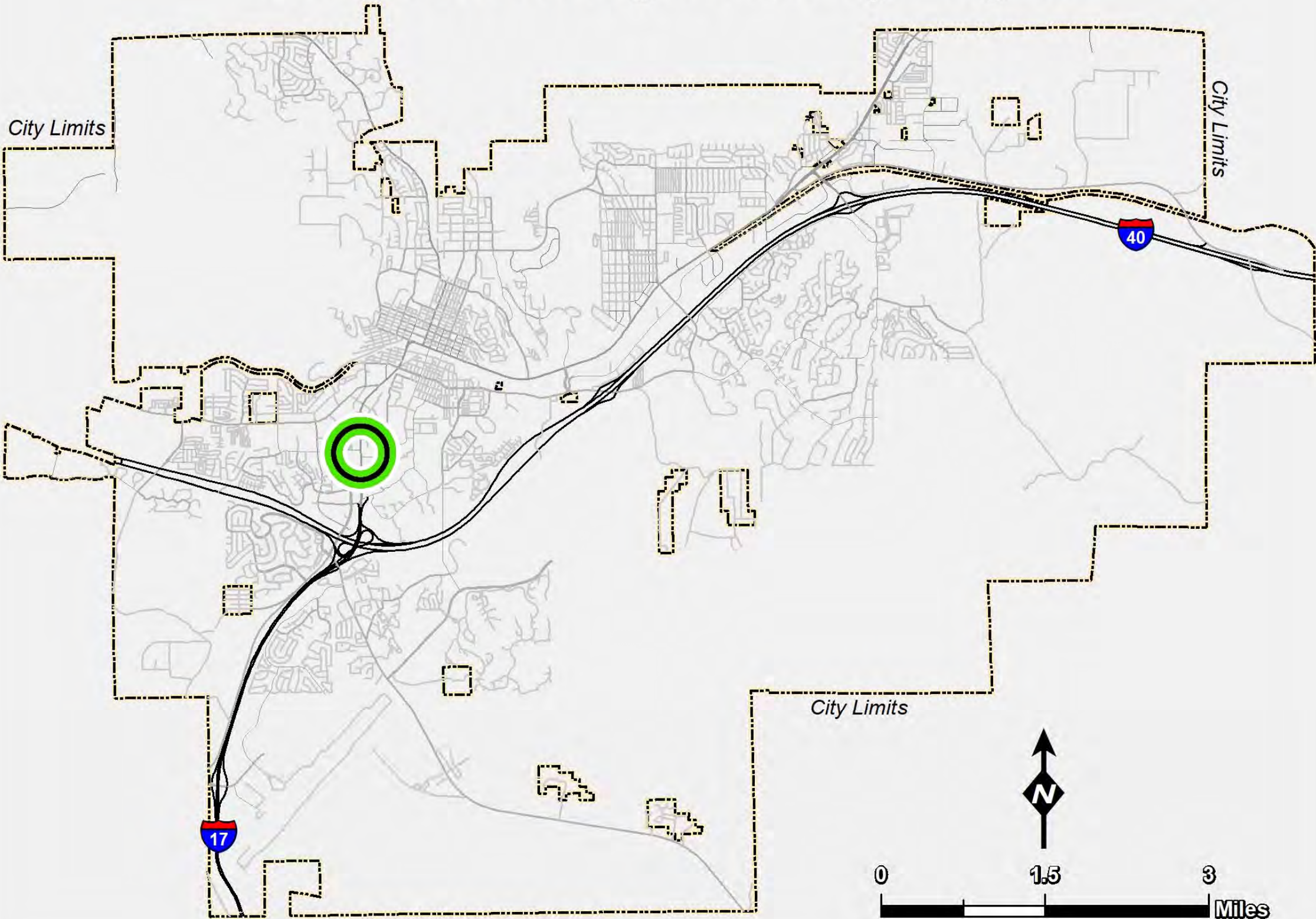


An aerial photograph of a town nestled in a valley. The foreground is dominated by a dense forest of tall, green pine trees. In the middle ground, a residential and commercial area is visible, featuring various houses, buildings, and parking lots. The background consists of a range of rugged, brownish mountains under a blue sky with scattered white clouds.

# Beulah/University Roadway Project

**Bike and Pedestrian Design Discussion  
5 October 2021**

# Beulah/University Roadway Project



**NORTH** →

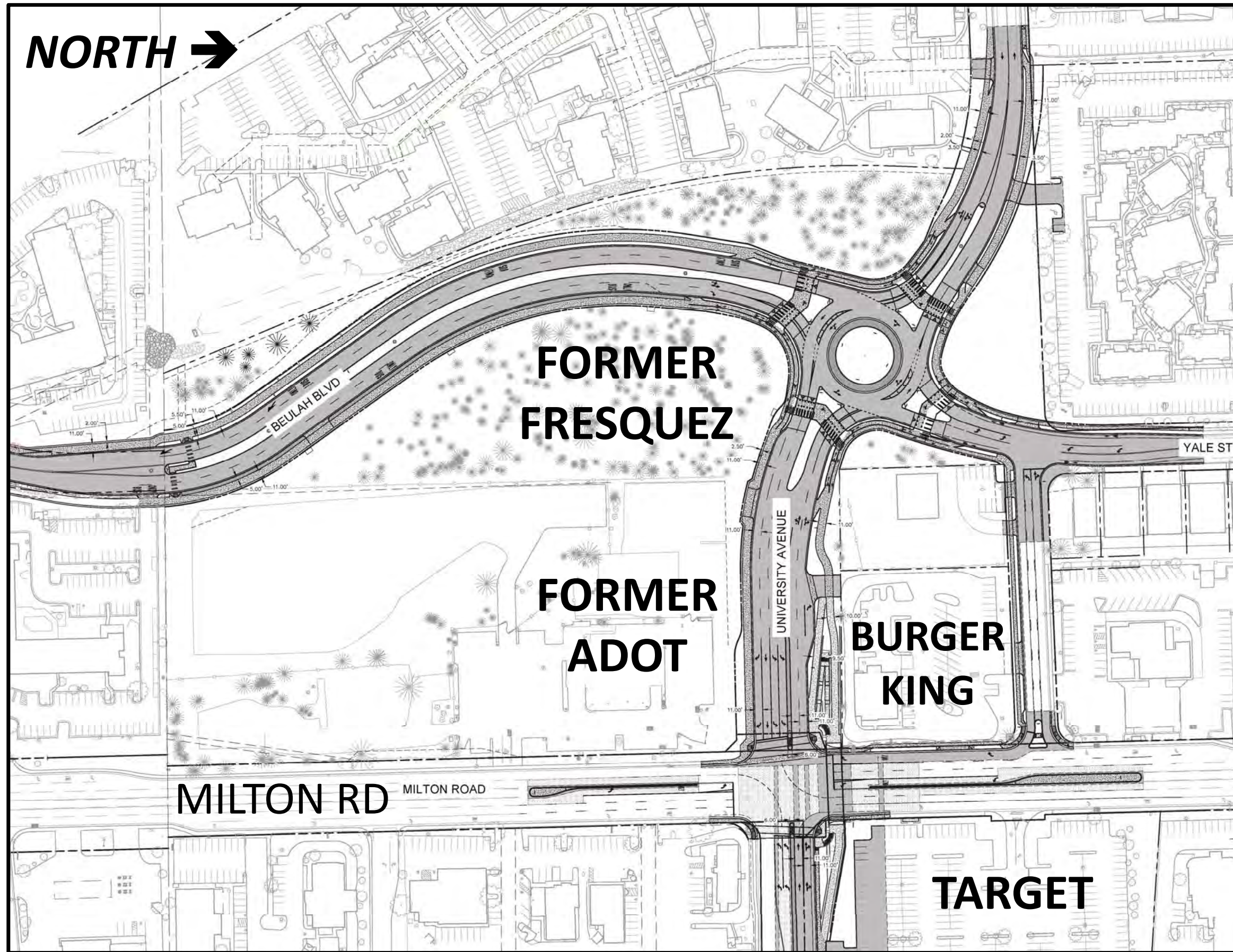
**FORMER  
FRESQUEZ**

**FORMER  
ADOT**

**BURGER  
KING**

**MILTON RD** MILTON ROAD

**TARGET**





# The Design Team

## Shephard-Wesnitzer Inc. (SWI) → *Design Engineer*

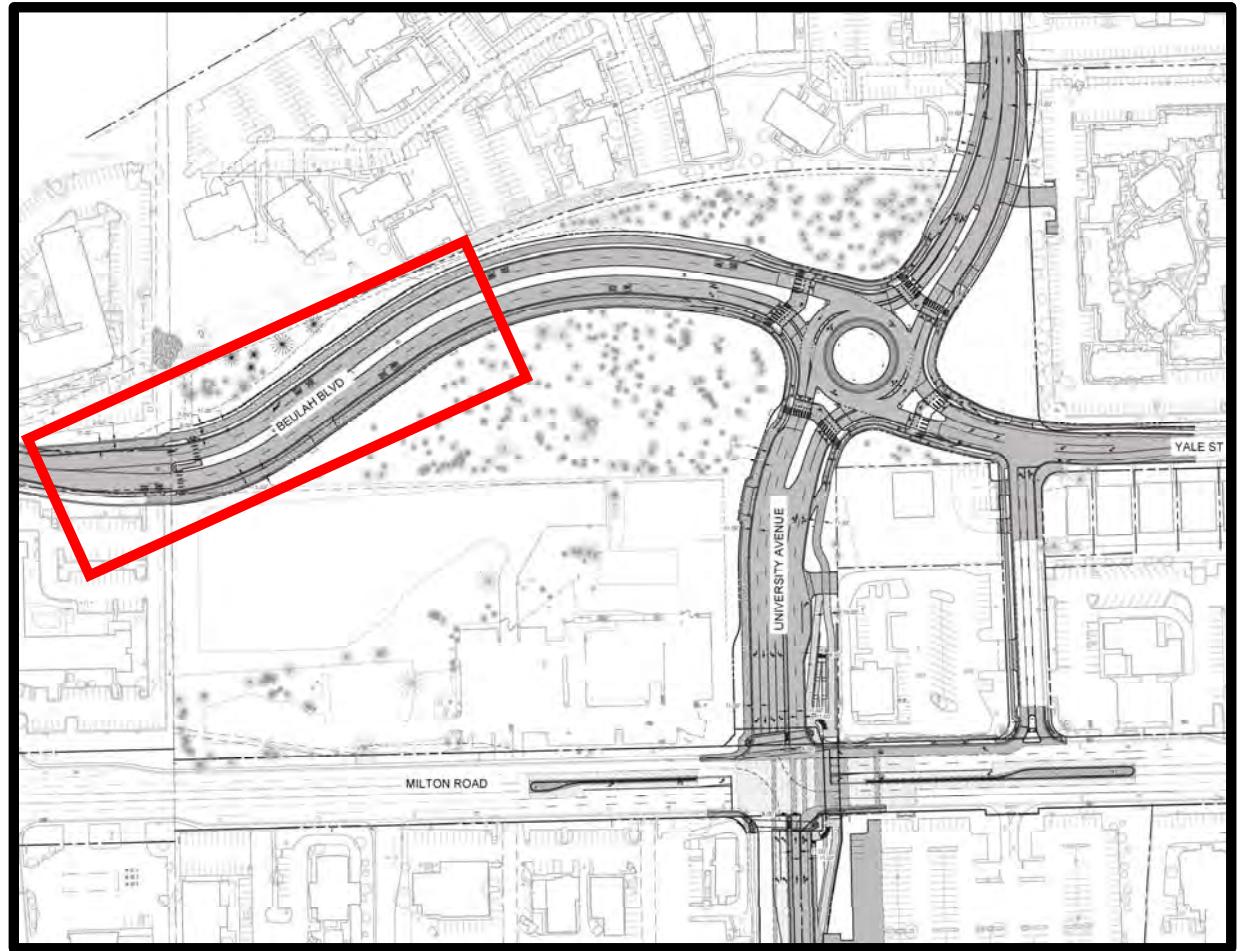
- Contributing Stakeholders
  - Kimley-Horn - *Roundabout Expertise*
  - COF Staff
  - AZ Dept of Transportation (ADOT)
  - Vintage Partners (VP)
  - Mountain Line
  - Northern Arizona University (NAU)
  - Eagle Mountain Construction – CMAR Contractor



# Beulah Blvd – *Southern Section 1*

## Features:

- 6-Foot Sidewalk, 5-Foot Bike Lane, and 5-Foot Parkway (West Side)
- 6-Foot Sidewalk, 5-Foot Bike Lane, and 5-Foot Parkway (East Side)
- Bus Only Lane
  - Northbound “NB” & Southbound “SB”
- On-Street Bike Lanes removed (NB & SB)
- Signalized Pedestrian Crossing (south end)
- 15-Foot Landscaped Medians



# Beulah Blvd – Southern Section 1

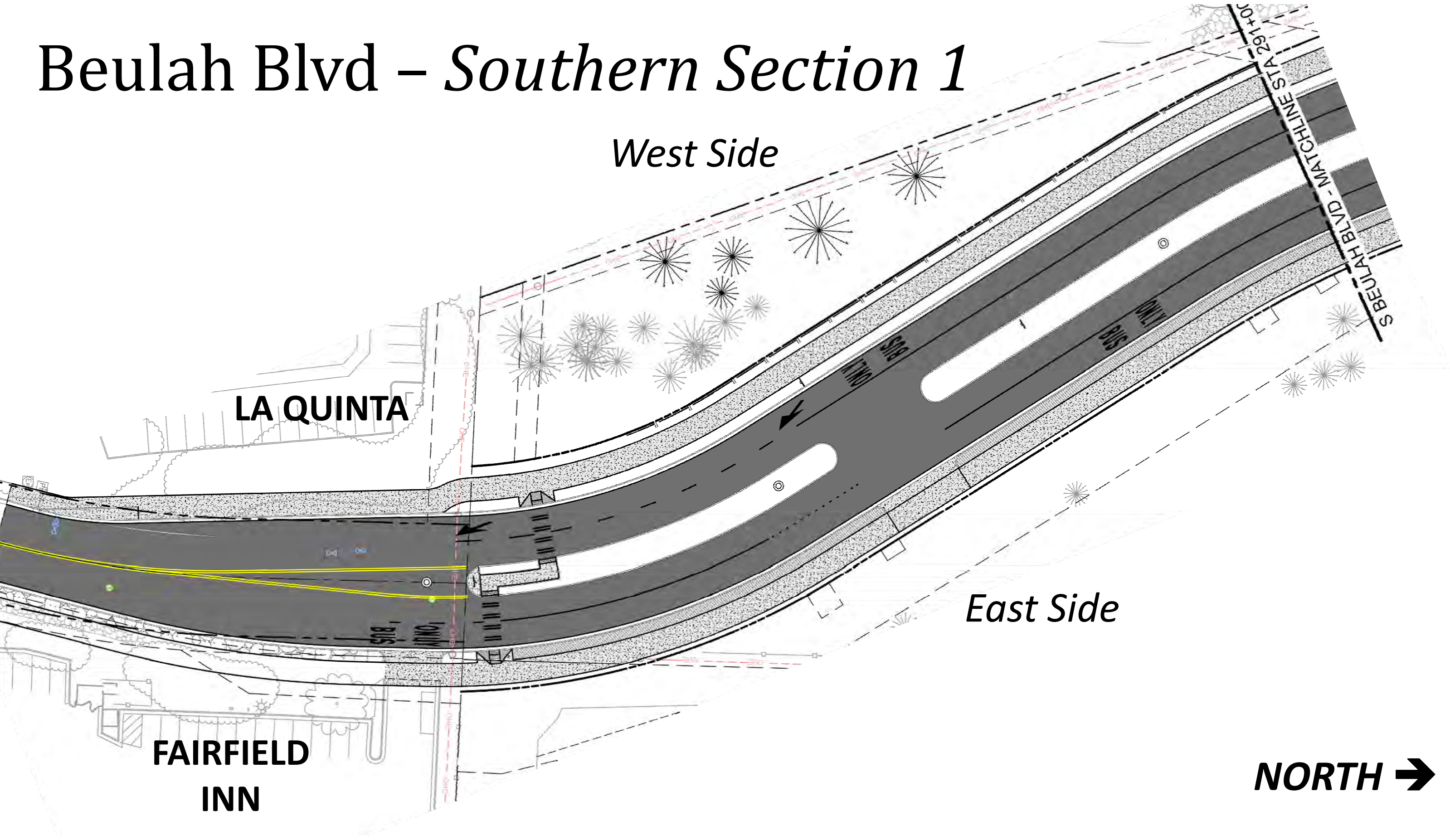
West Side

East Side

LA QUINTA

FAIRFIELD  
INN

NORTH →

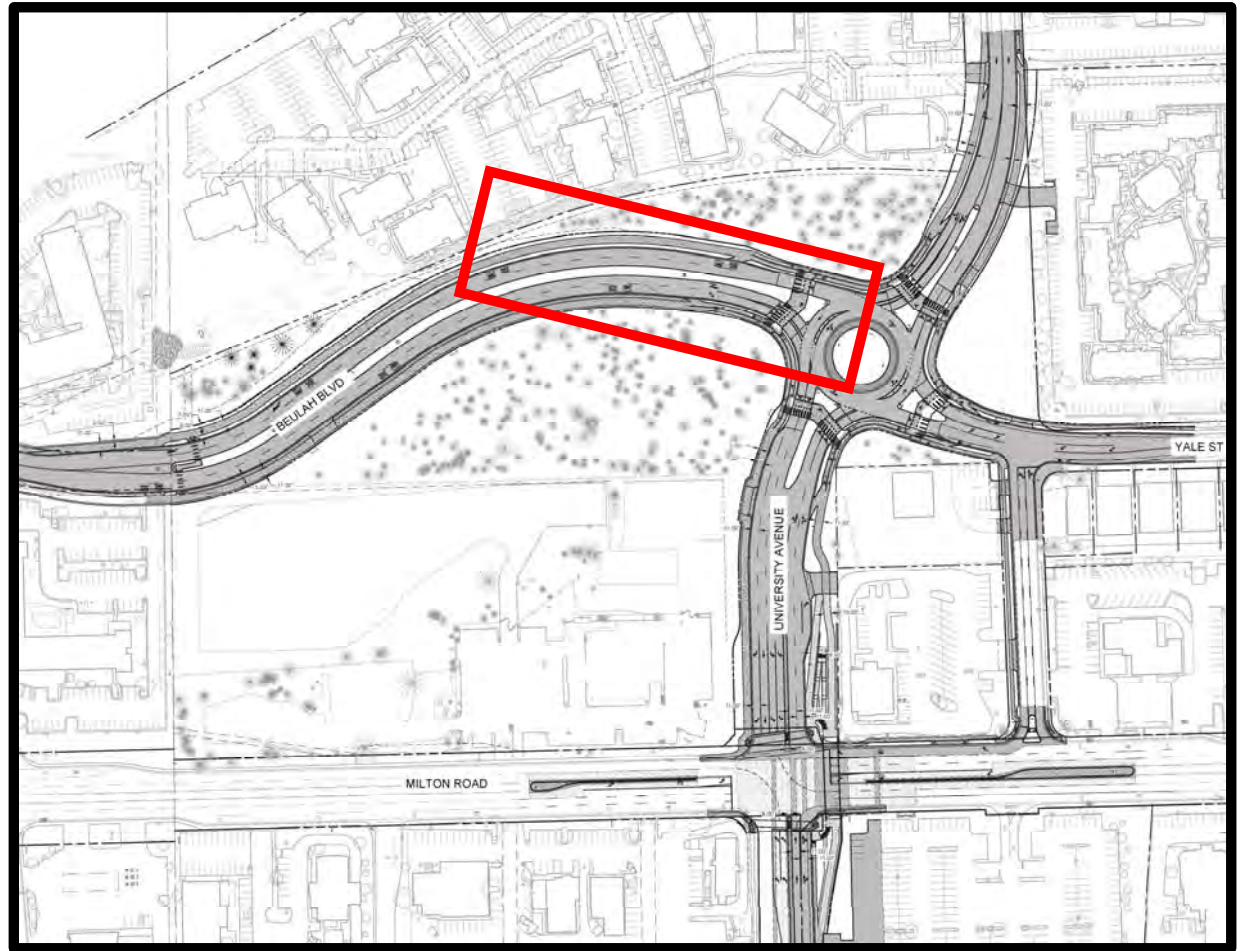




# Beulah Blvd – *Southern Section 2*

## Features:

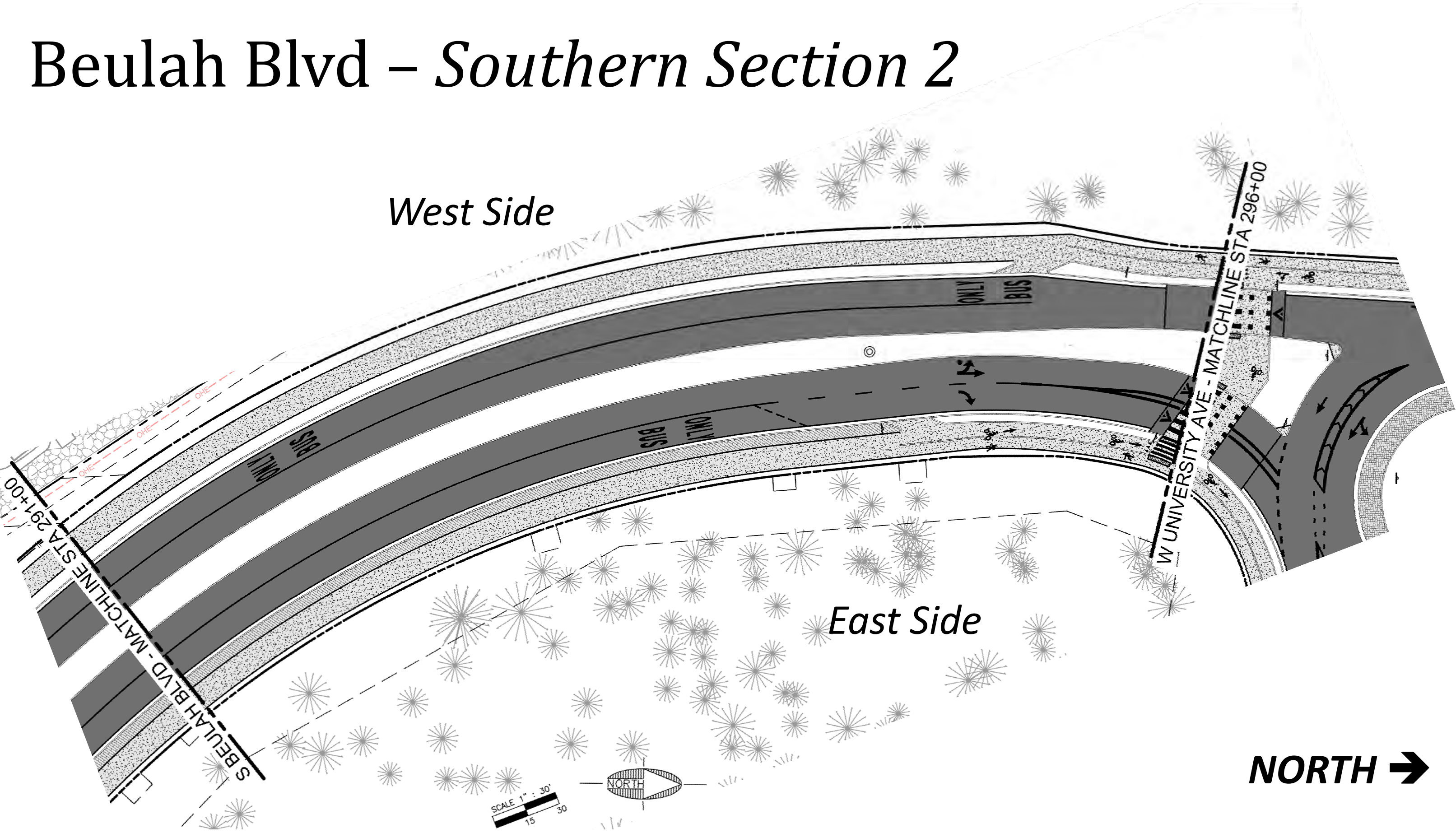
- 6-Foot Sidewalk, 5-Foot Bike Lane, and 5-Foot Parkway (West Side)
- 6-Foot Sidewalk, 5-Foot Bike Lane, and 5-Foot Parkway (East Side)
- Bus Only Lane (Not in Roundabout)
- On-Street Bike Lanes Removed
- 15-Foot Landscaped Medians



# Beulah Blvd – *Southern Section 2*

*West Side*

*East Side*



**NORTH →**

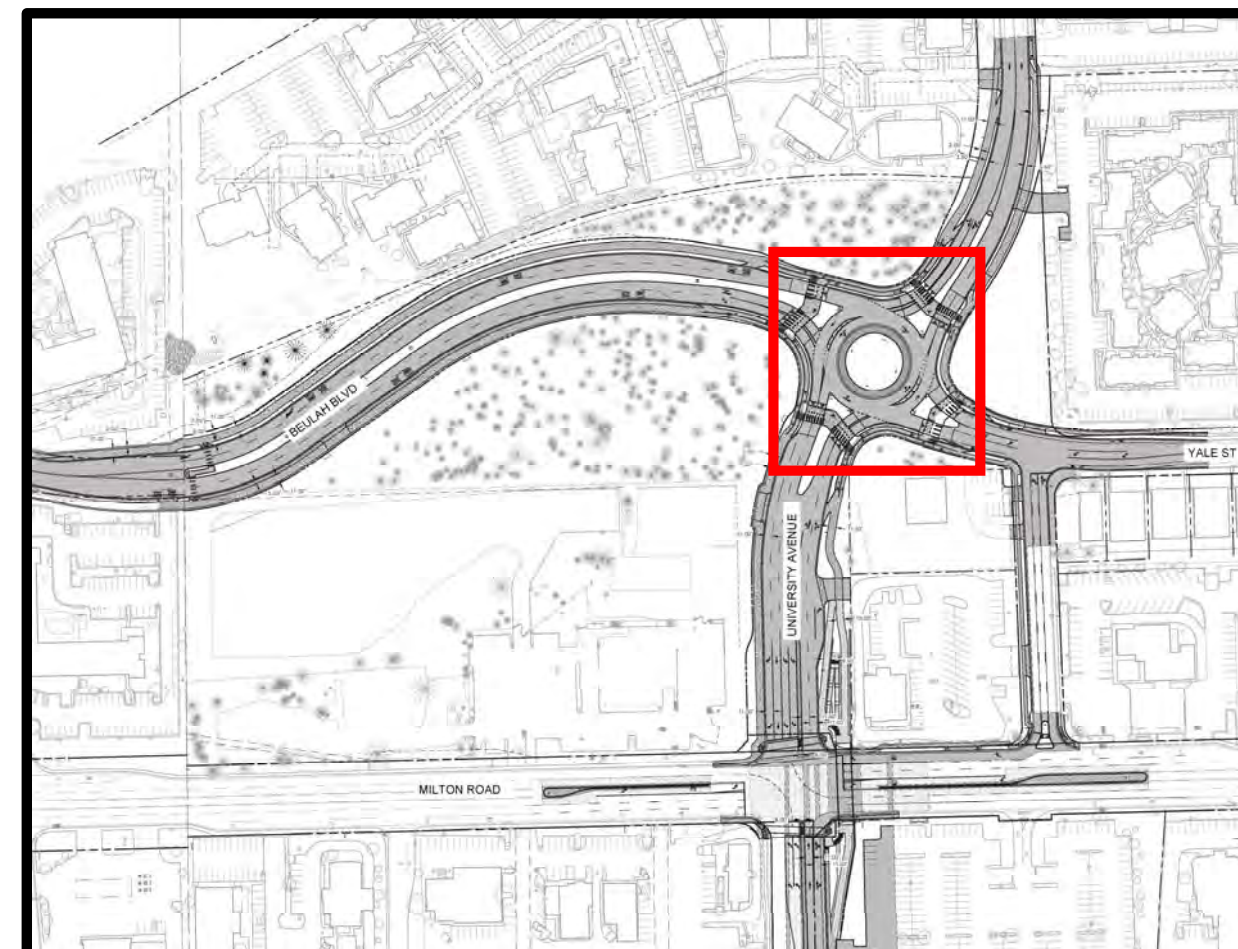


# Roundabout



## Features:

- Separated Bike and Pedestrian Crosswalks
- Raised Crosswalks
- Colors Shown are for Reference Only not Necessarily the Color "On the Ground"

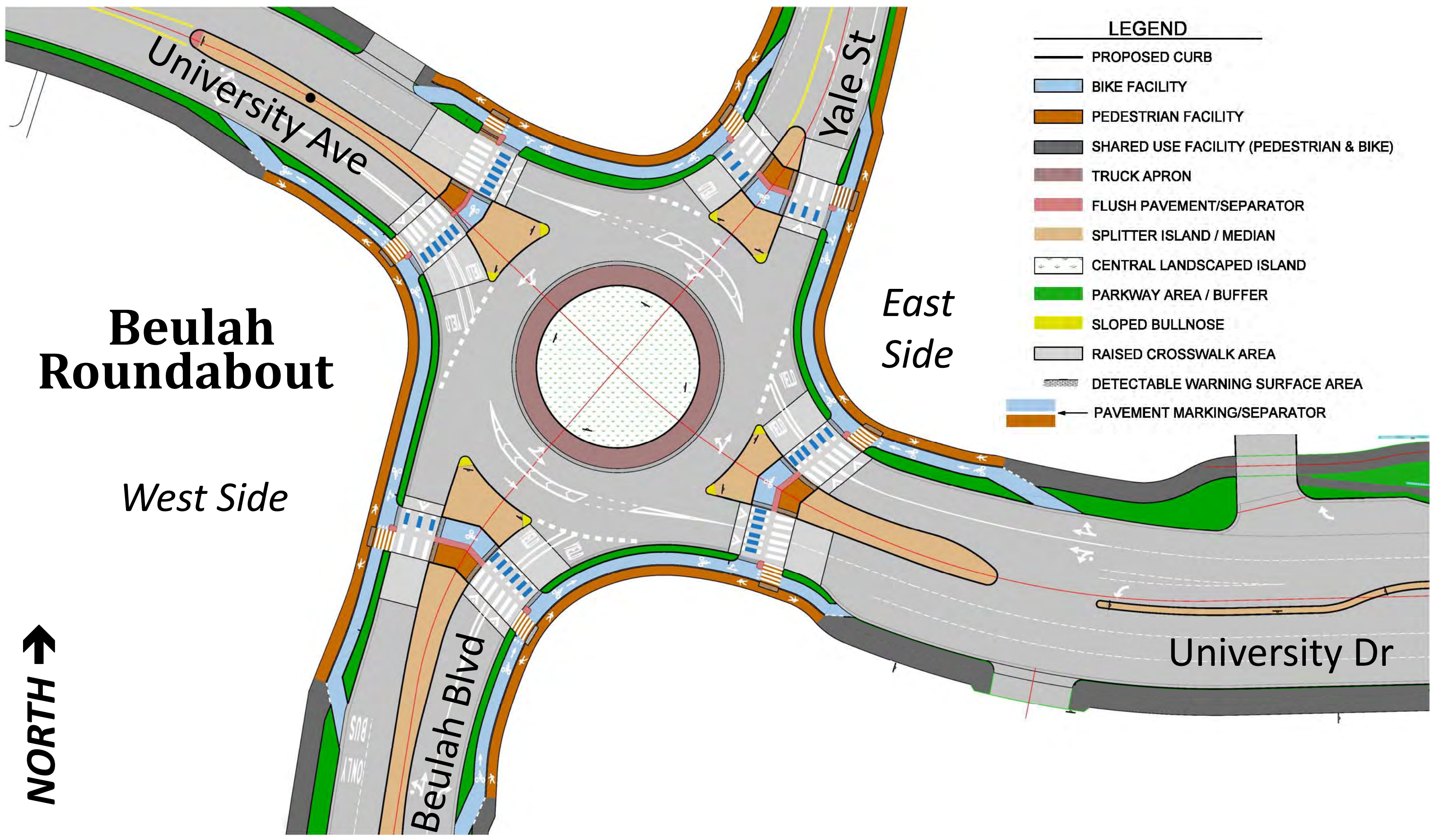


# Beulah Roundabout

West Side

East Side

NORTH →



## LEGEND

- PROPOSED CURB
- BIKE FACILITY
- PEDESTRIAN FACILITY
- SHARED USE FACILITY (PEDESTRIAN & BIKE)
- TRUCK APRON
- FLUSH PAVEMENT/SEPARATOR
- SPLITTER ISLAND / MEDIAN
- CENTRAL LANDSCAPED ISLAND
- PARKWAY AREA / BUFFER
- SLOPED BULLNOSE
- RAISED CROSSWALK AREA
- DETECTABLE WARNING SURFACE AREA
- PAVEMENT MARKING/SEPARATOR

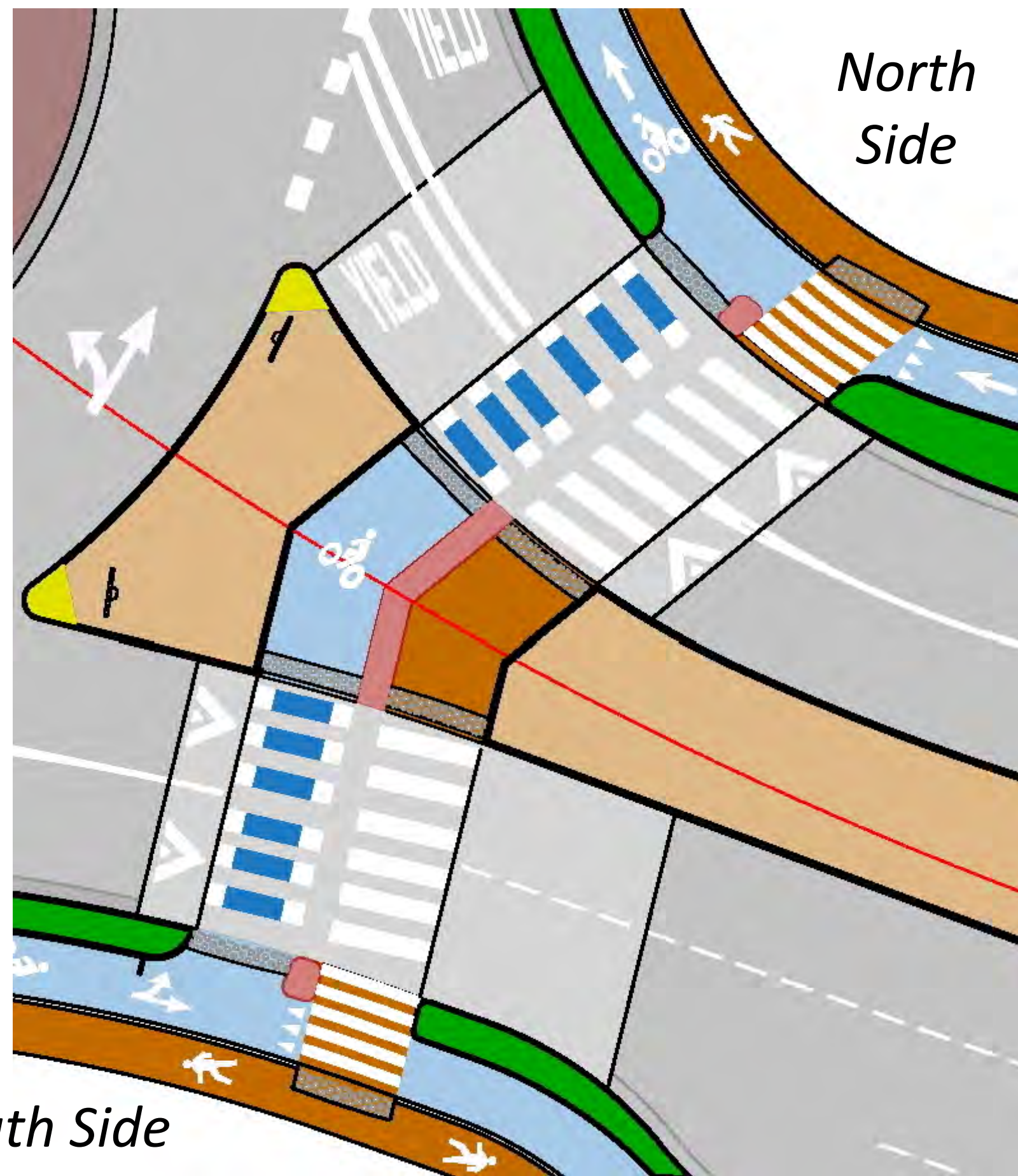
University Dr

Beulah Blvd

Yale St

University Ave

**NORTH** →



*North Side*

*South Side*

**LEGEND**

- PROPOSED CURB
- BIKE FACILITY
- PEDESTRIAN FACILITY
- SHARED USE FACILITY (PEDESTRIAN & BIKE)
- TRUCK APRON
- FLUSH PAVEMENT/SEPARATOR
- SPLITTER ISLAND / MEDIAN
- CENTRAL LANDSCAPED ISLAND
- PARKWAY AREA / BUFFER
- SLOPED BULLNOSE
- RAISED CROSSWALK AREA
- DETECTABLE WARNING SURFACE AREA
- PAVEMENT MARKING/SEPARATOR

# Beulah Roundabout

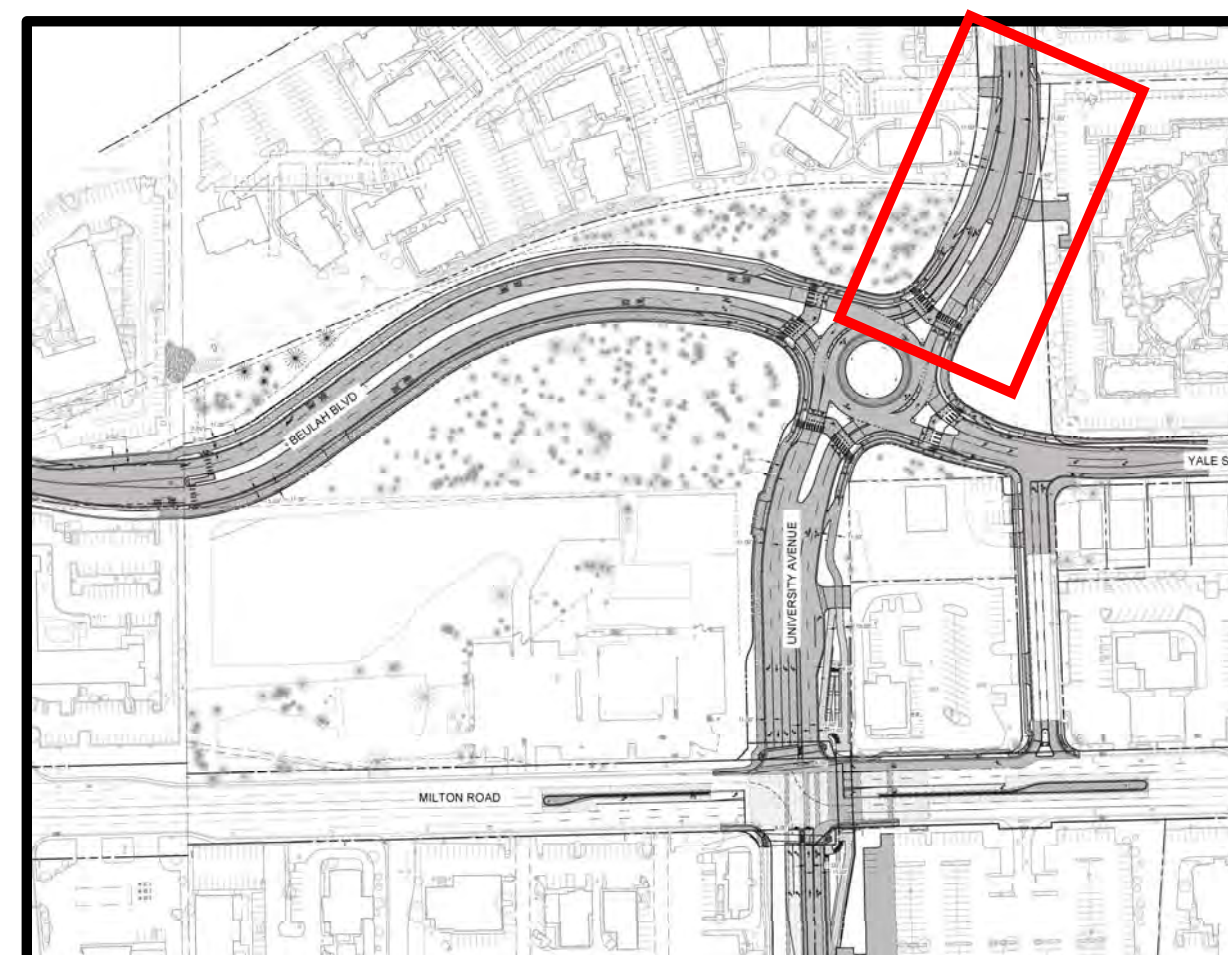
## East Leg Crosswalks



# West University Avenue

## Features:

- 6-Foot Sidewalk, 5-Foot Bike Lane; 3.5-Foot Parkway (South Side)
- 6-Foot Sidewalk, 5-Foot Bike Lane; 3.5-Foot Parkway (North Side)
- On-Street Bike Lanes Removed
- On-Street Bike Lanes Resume at Project Limits



# West University Ave



*South Side*

*North Side*

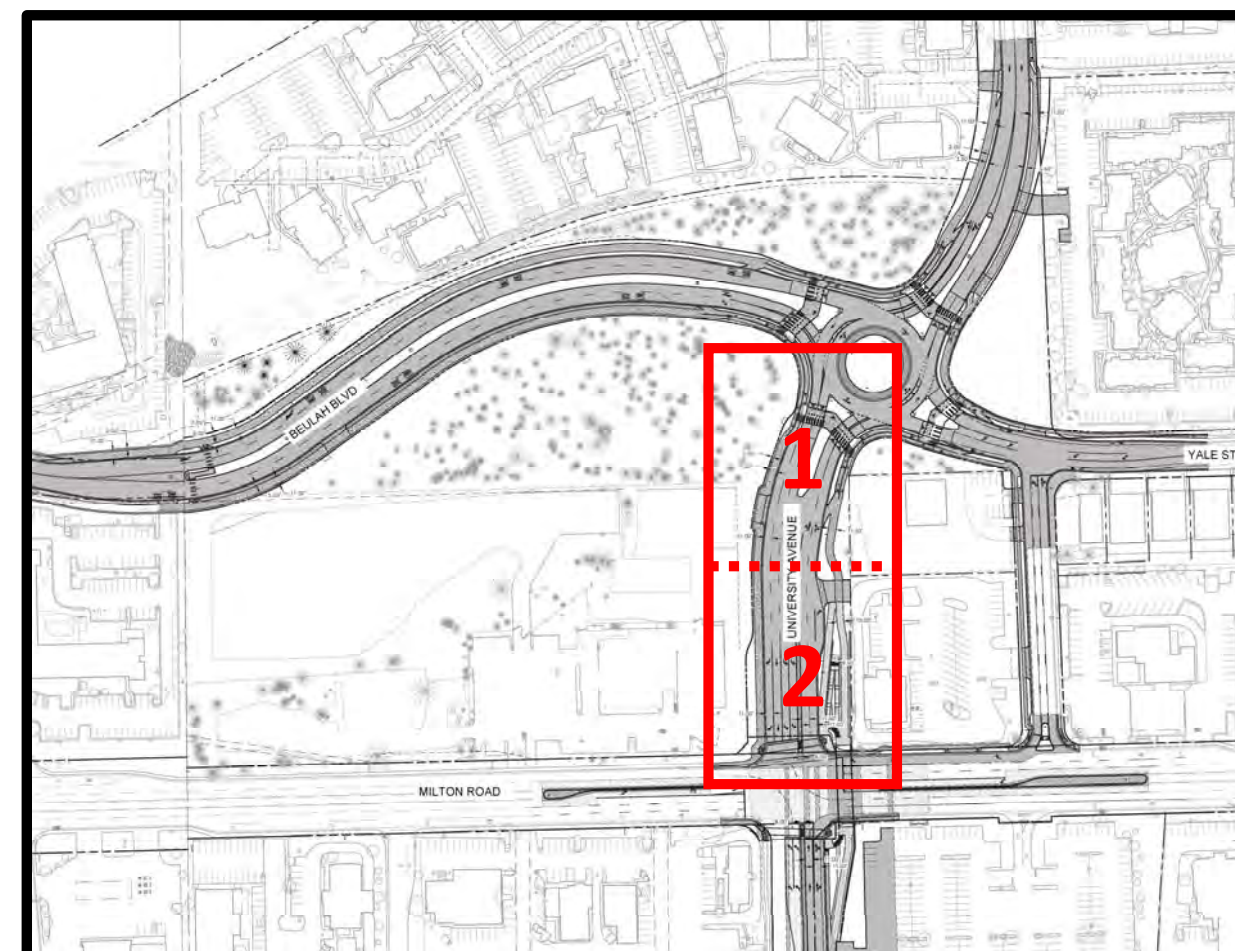
**NORTH →**



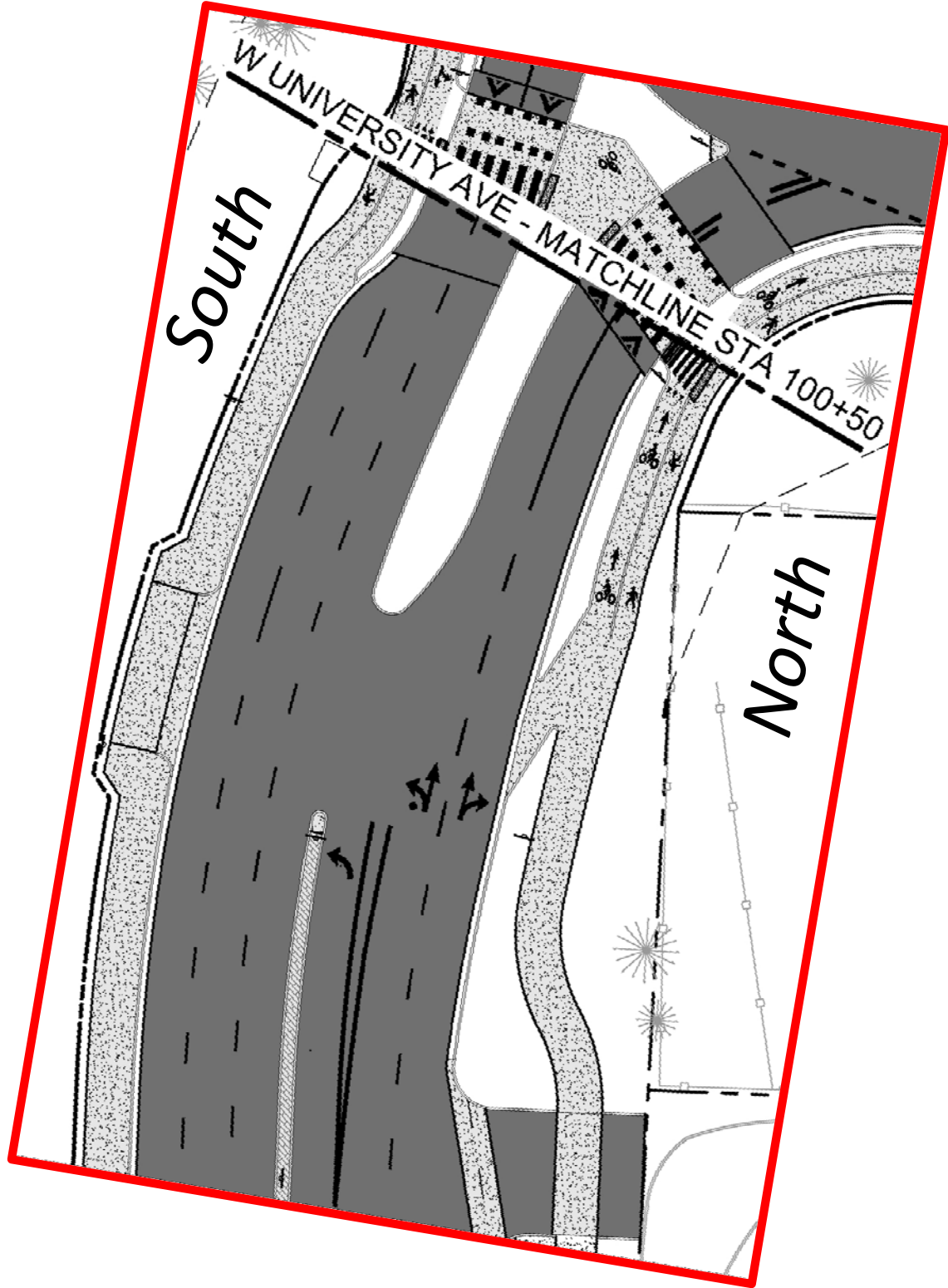
# West University Avenue (New)

## Features:

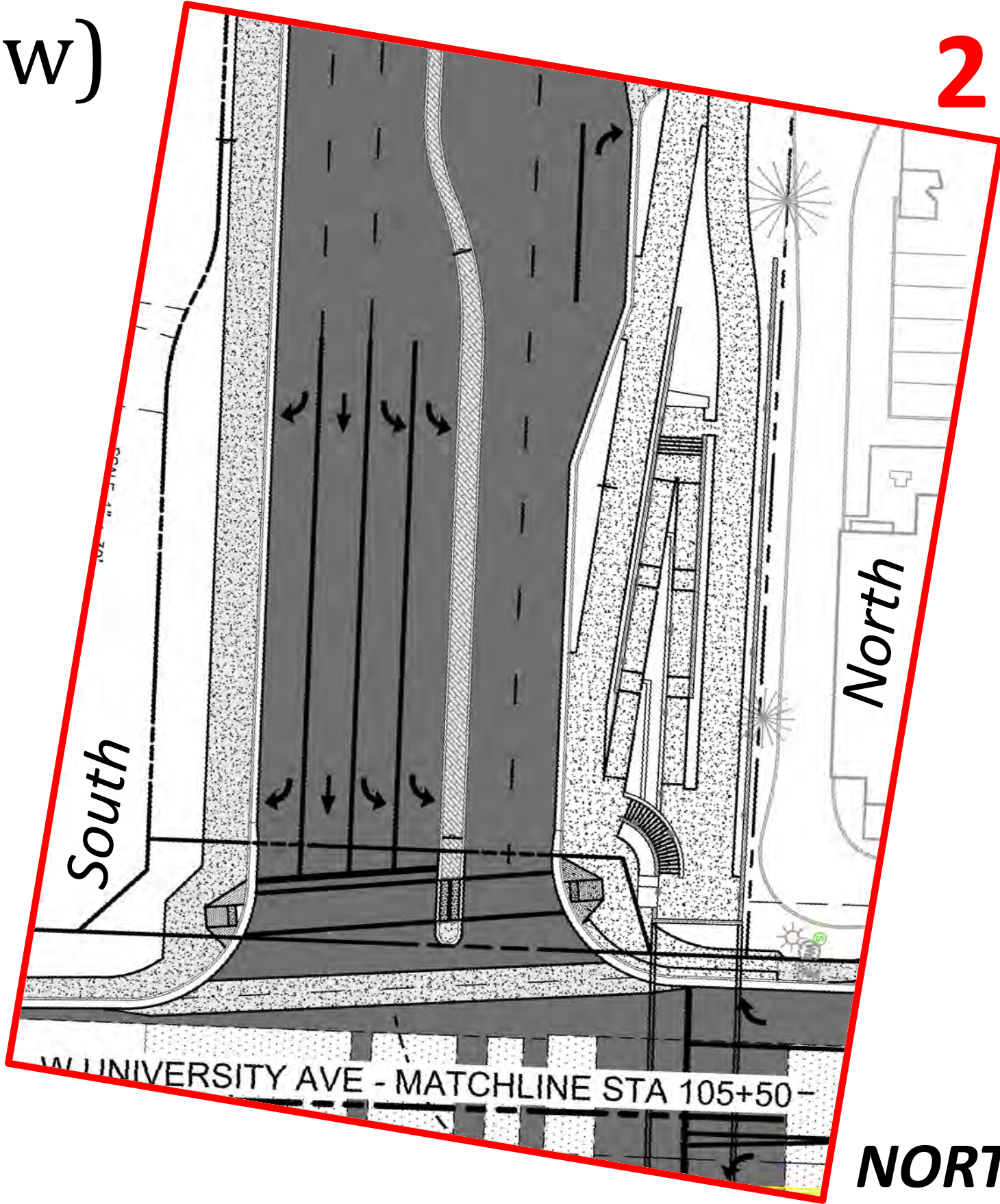
- 6-Foot Sidewalk, 5-Foot Bike Lane (North Side)
- 6-Foot Sidewalk, 5-Foot Bike Lane (South Side)
- Removed On-Street Bike Lanes
- 10-Foot Sidewalk Approach to Pedestrian Underpass (Western Portal)
- No Surface Crossing of Milton Road
- Surface Crosswalk for W. University Avenue
  - 5-Foot Pedestrian Refuge (in Median)



# W. University Avenue (New)



1



2

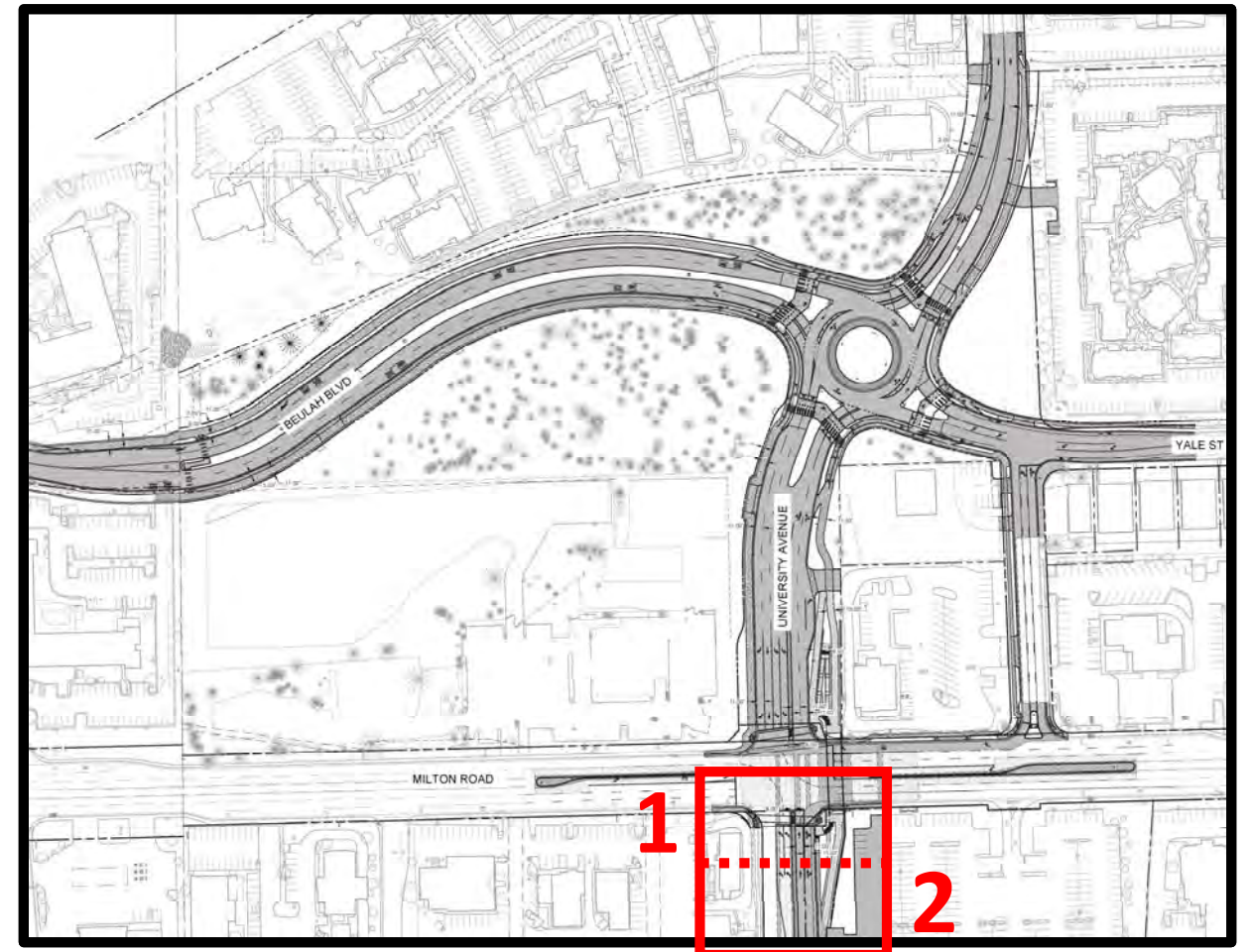
**NORTH →**



# University Drive

## Features:

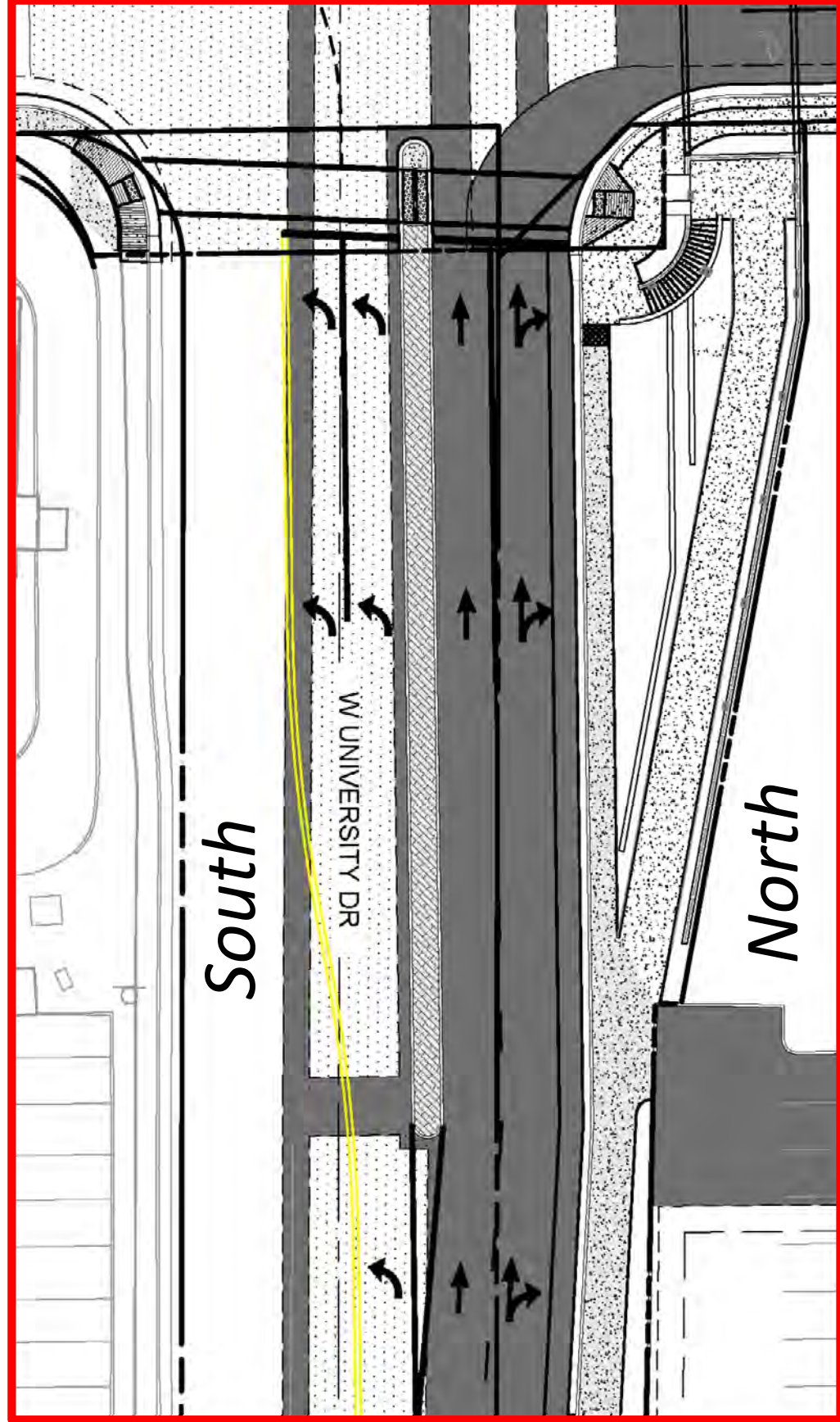
- 10-Foot Sidewalk Transitions to 8-Foot Sidewalk (North Side)
- Existing Sidewalk to Remain (South Side)
- Pedestrian Underpass (Eastern Portal)
- No Surface Crossing of Milton
- Surface Crosswalk for Crossing University Dr.
  - 5-Foot Pedestrian Refuge (in Median)



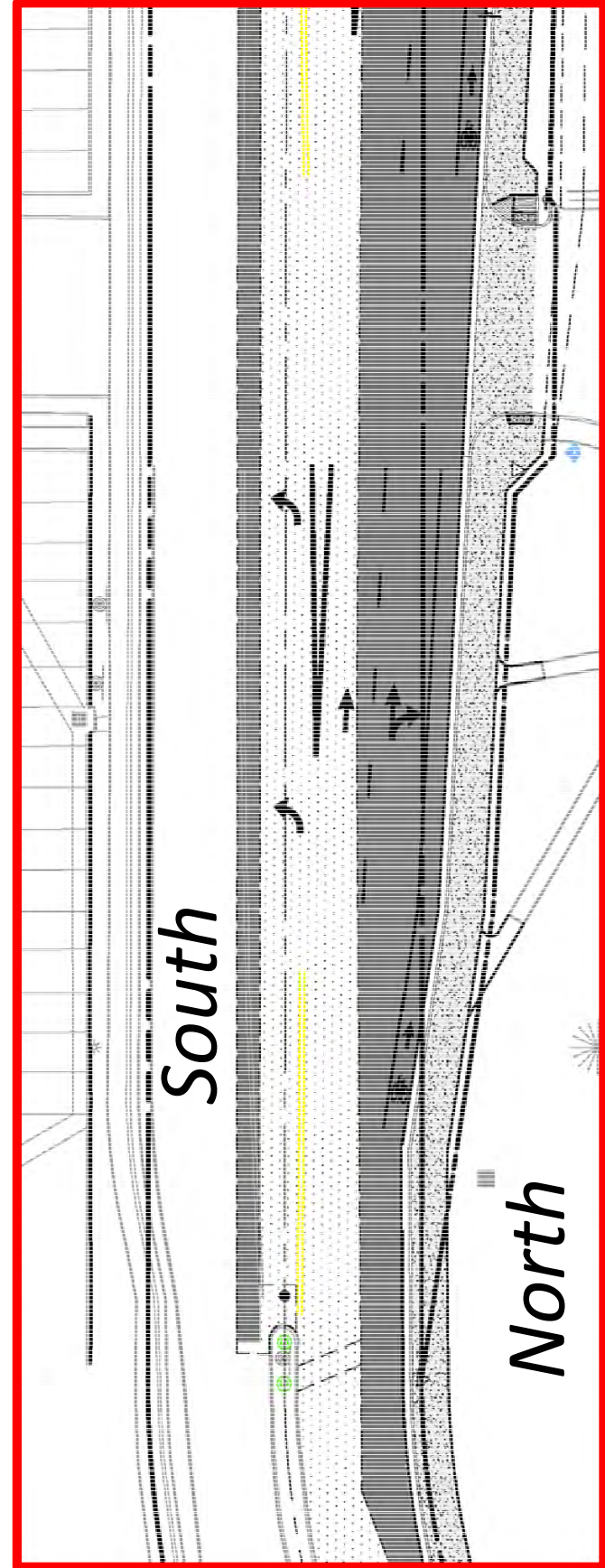
# University Drive

**NORTH** →

**1**



**2**



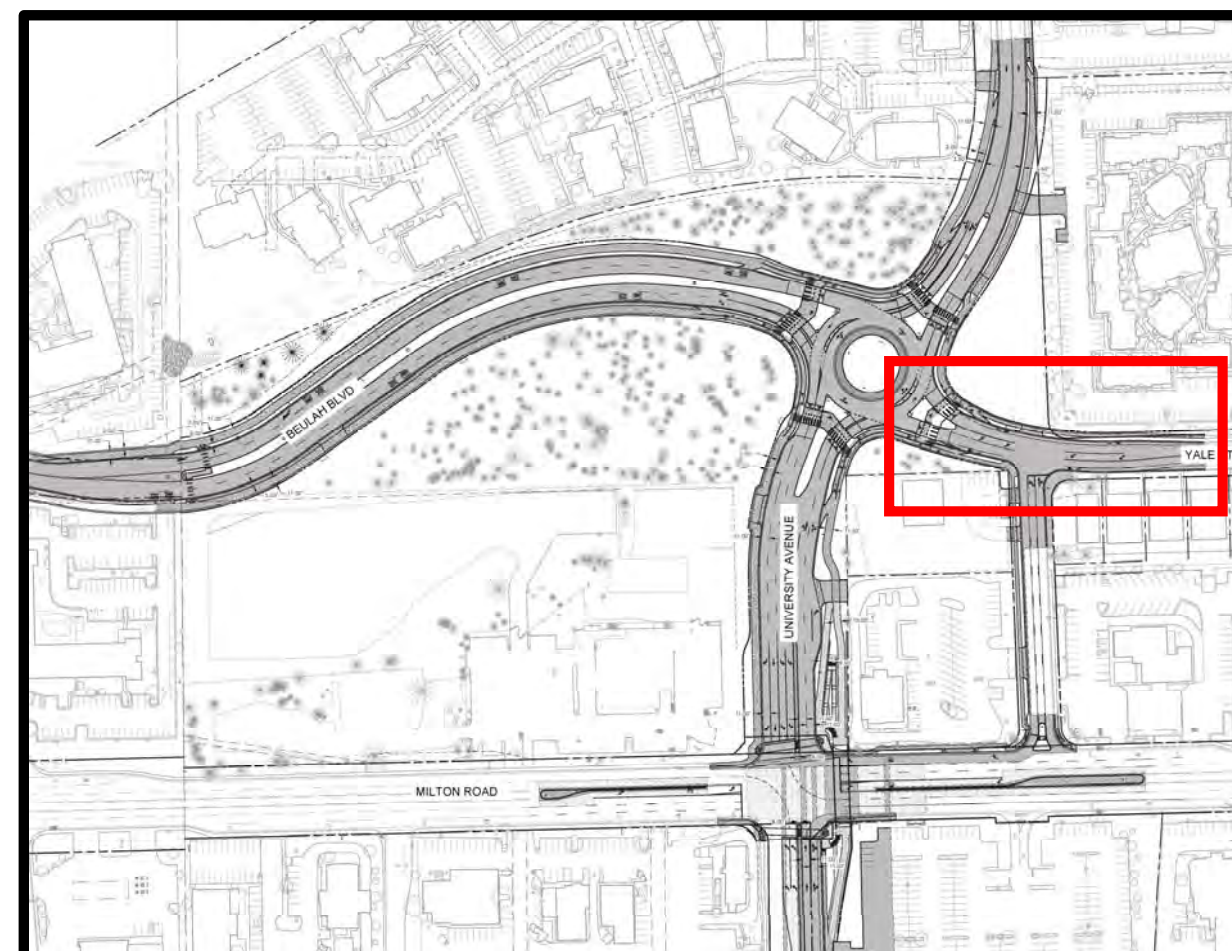


# Yale Street

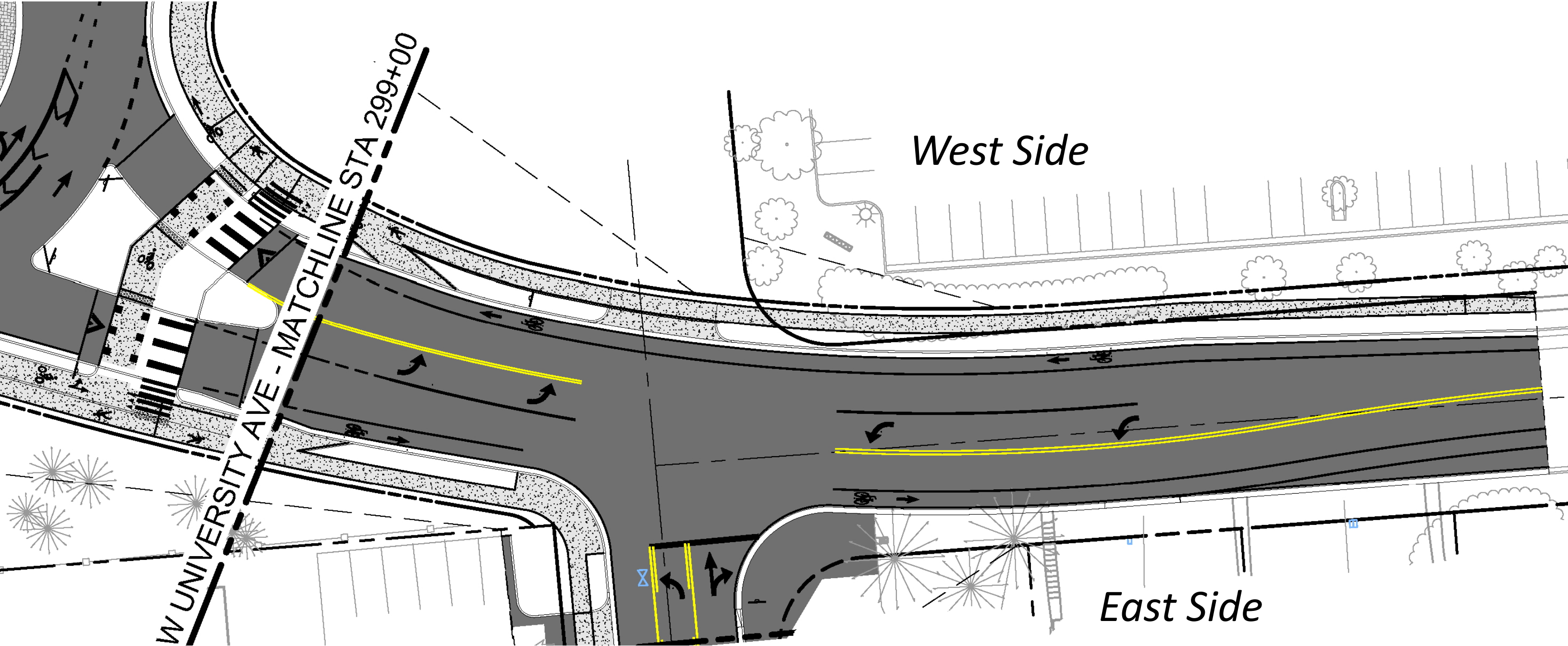


## Features:

- 5-Foot Sidewalk (West & East Sides)
- Transitions to 6-Foot Sidewalk with 5-Foot Bike Lane nearing Roundabout
- 5-Foot Parkway (West Side)
- On-Street Bike Lanes Remain (NB & SB)



# Yale Street



*West Side*

*East Side*

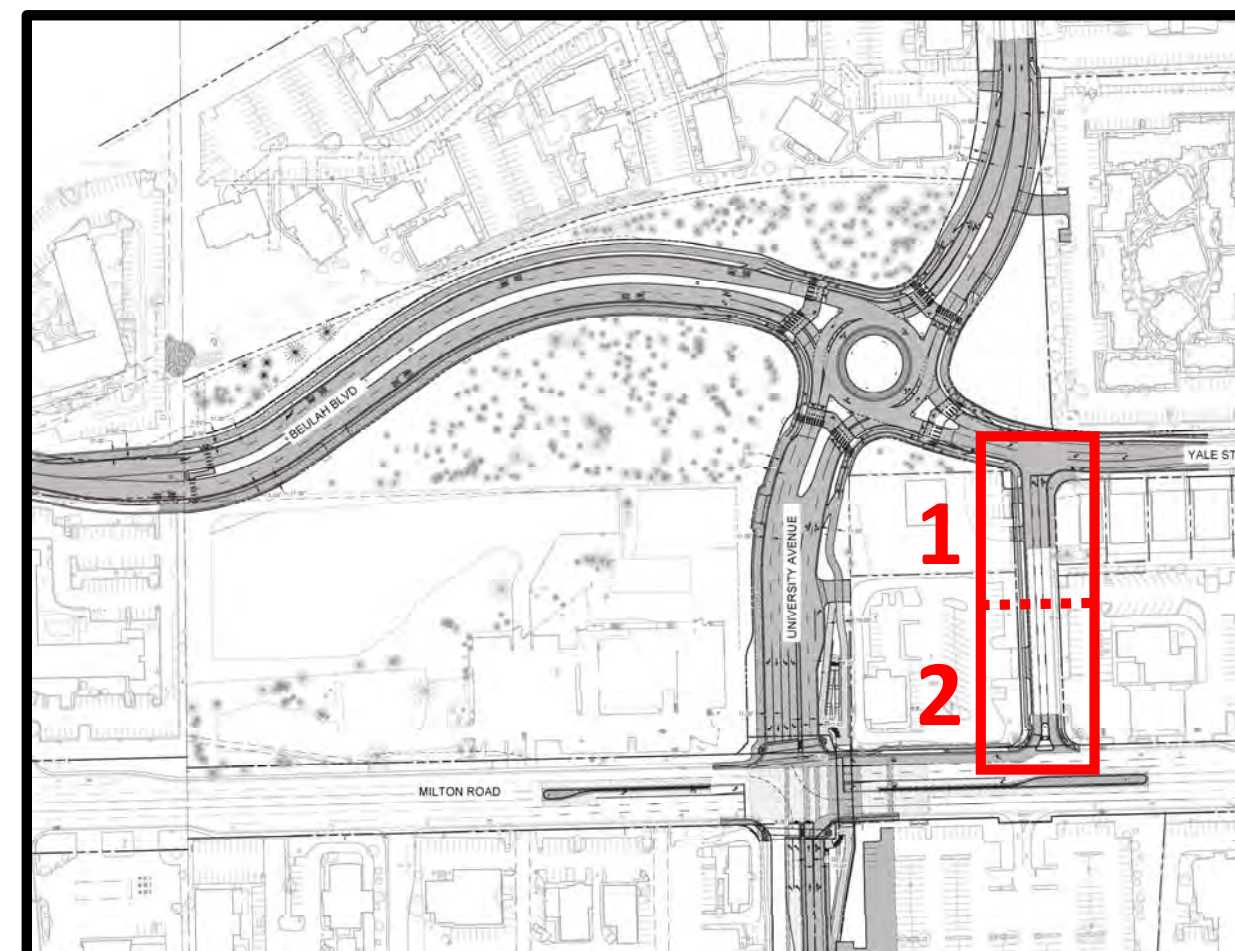
**NORTH →**



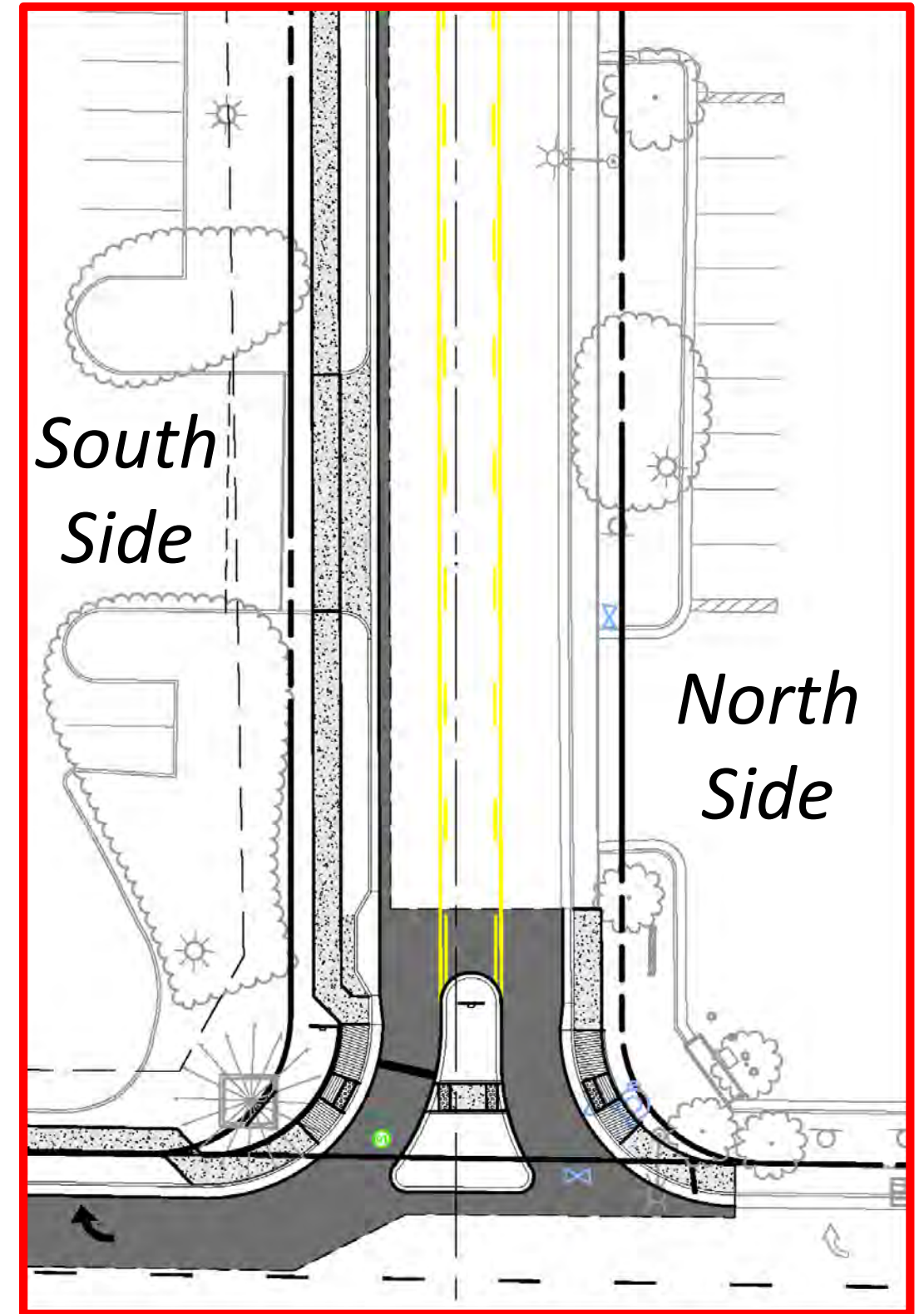
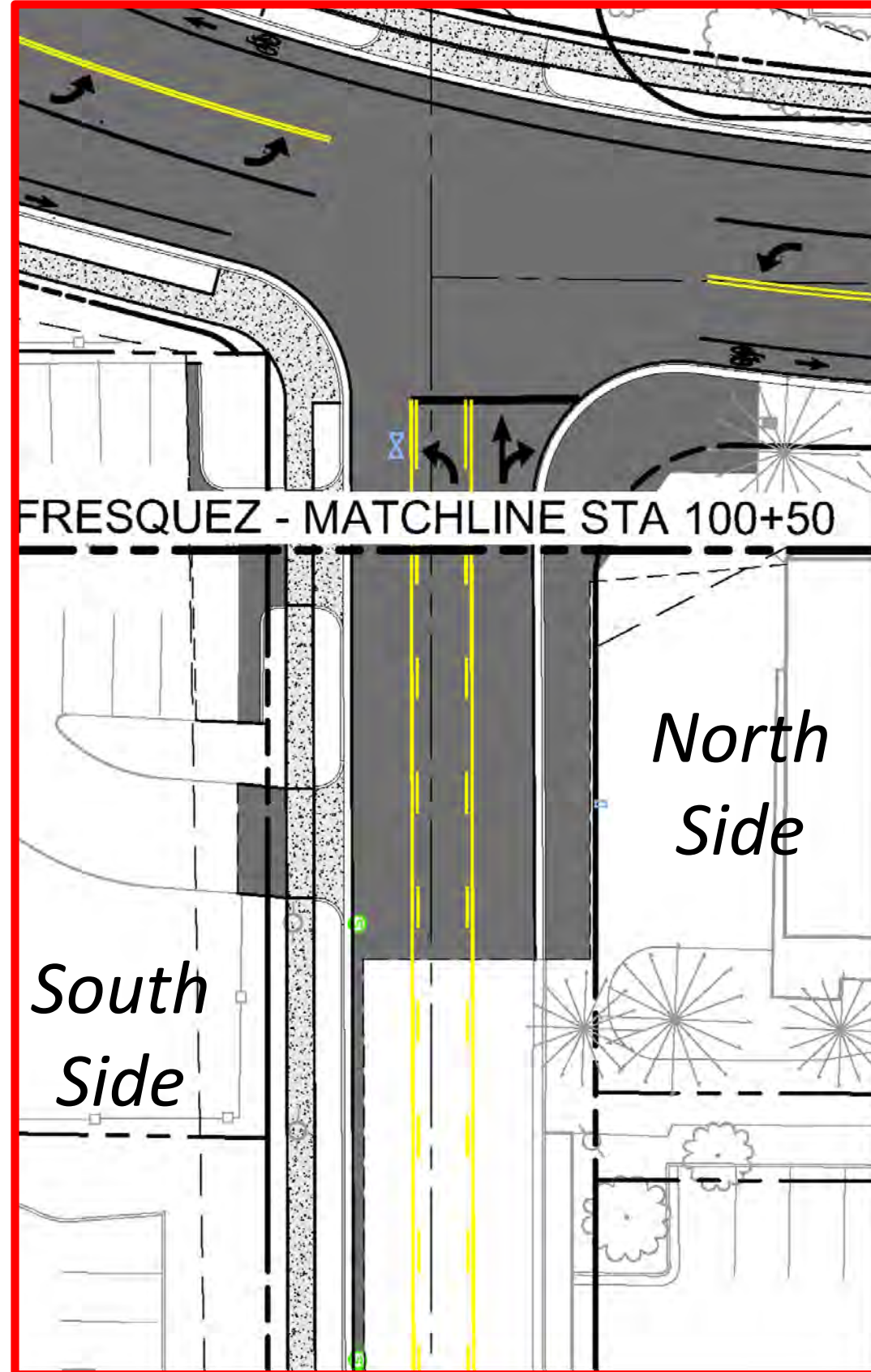
# University Avenue (Current)

## Features:

- 5-Foot Sidewalk & 5-Foot Parkway (South Side)
- Existing Sidewalk Remains (North Side)
- One Westbound Lane; One Eastbound Lane
- 10-Foot Center Turning Lane
- Milton Road will have a Raised Median
- No NB Left Turns from Milton Road
  - Right-in, Right-out for Vehicular Traffic at Intersection with Milton



# University Avenue (Current)



**NORTH →**

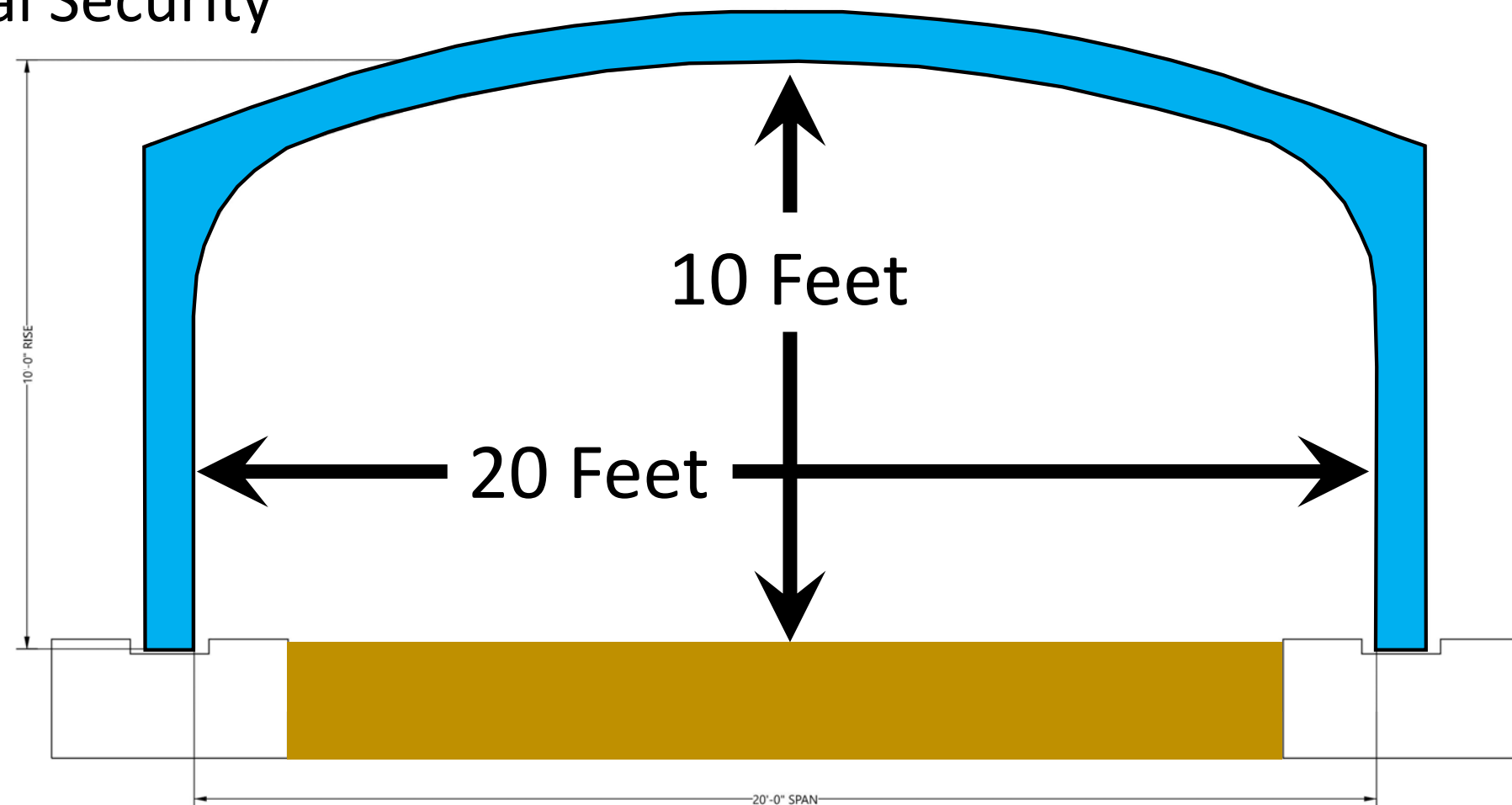
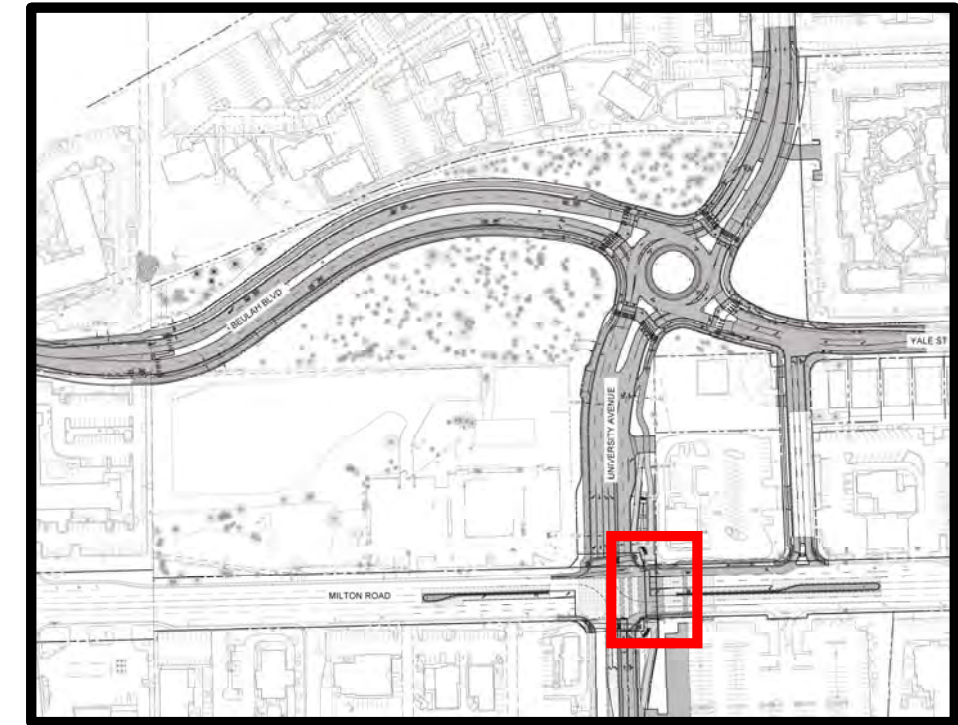
# Pedestrian Underpass

*Conceptual Exhibit*



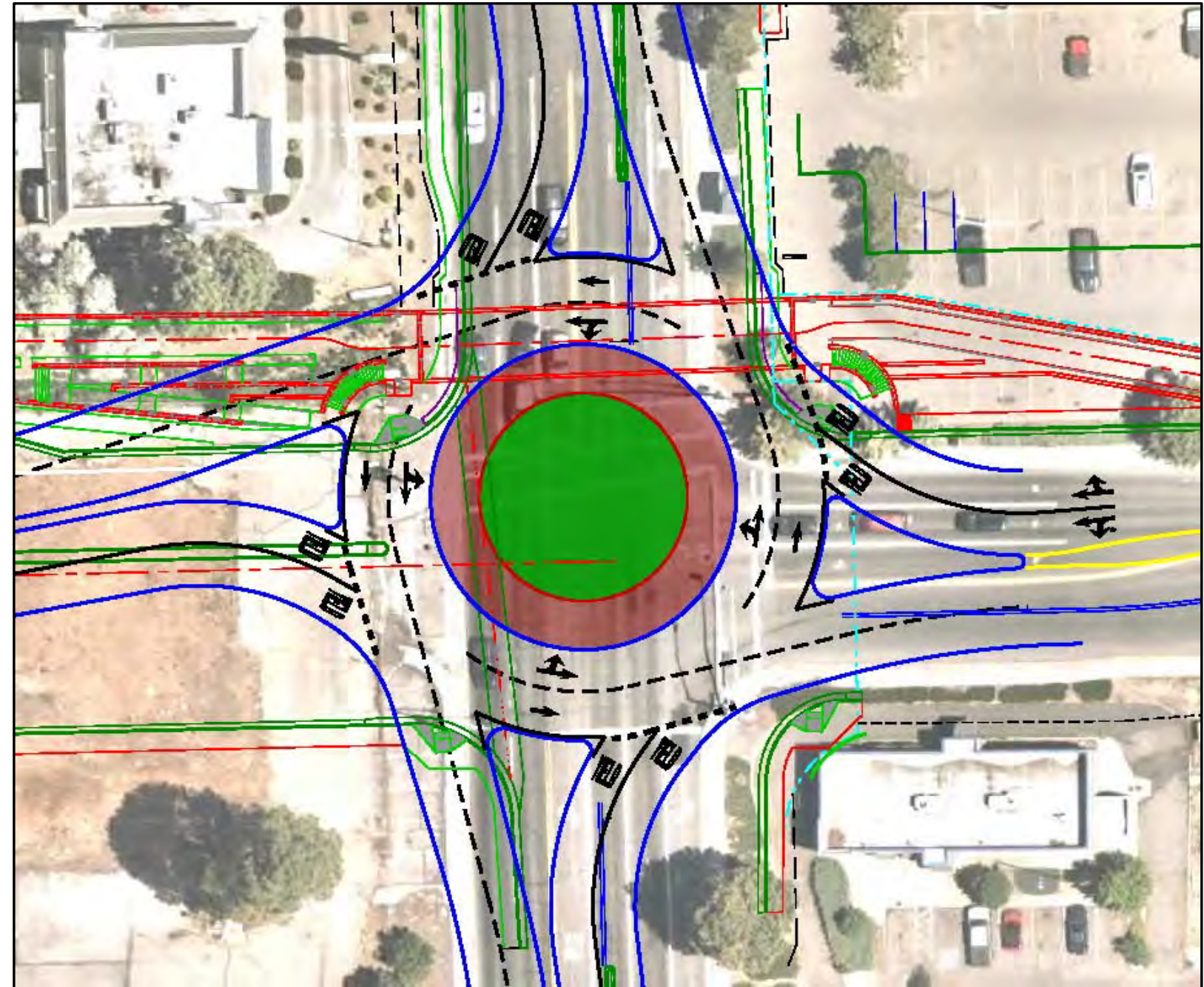
# Pedestrian Underpass

- 20-Foot Wide by 10-Foot Tall
- 114-Foot Length
- Precast Concrete Sections
- Tunnel will have Day and Night Lighting
  - Staff Working with PD on Additional Security
  - Features Could Include:
    - Increased Lighting Levels
    - Video Equipment
    - Emergency Phones



# Milton/University Roundabout Study

- Looked at Four Scenarios
  - All Bike/Ped Traffic in Tunnel with No Surface Crossings
  - Surface Crossings on All Legs with HAWK Signals
  - Tunnel on the North with Three Other Legs having Surface Crossings
  - Tunnel on the North with Surface Crossings on the East and West Legs
- ADOT Currently Reviewing Report and in Talks with City Staff
- Due to Significant Project Impacts this is Excluded from Current Design



# Comments and Questions

*A Special Thanks to  
the Design Team  
& Project Stakeholders*

