



WALL STREET ROAD IMPROVEMENTS

Discussion of Preliminary Design and Alternatives

CITY COUNCIL MEETING

October 3, 2023

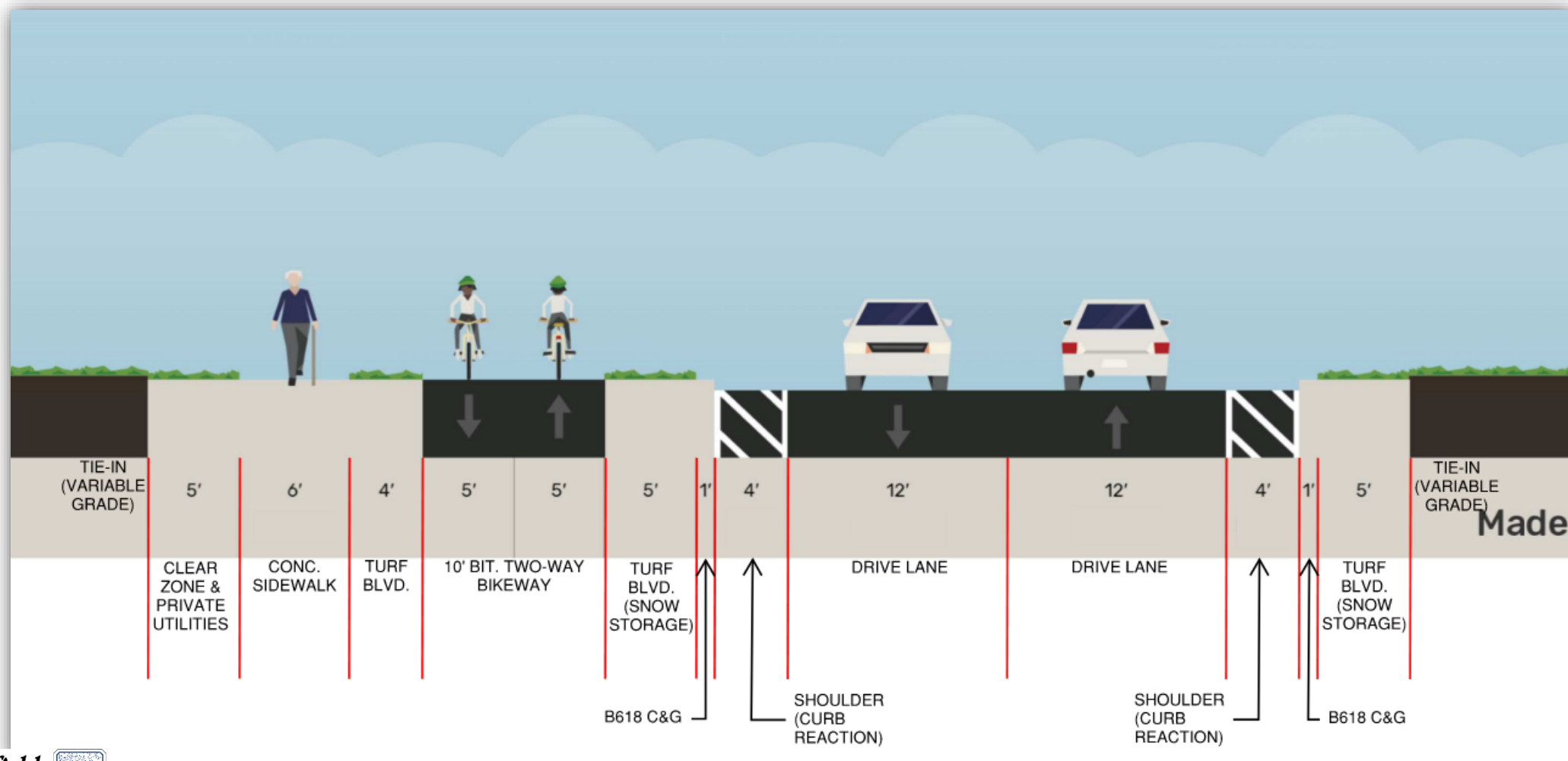


Tonight's Outline

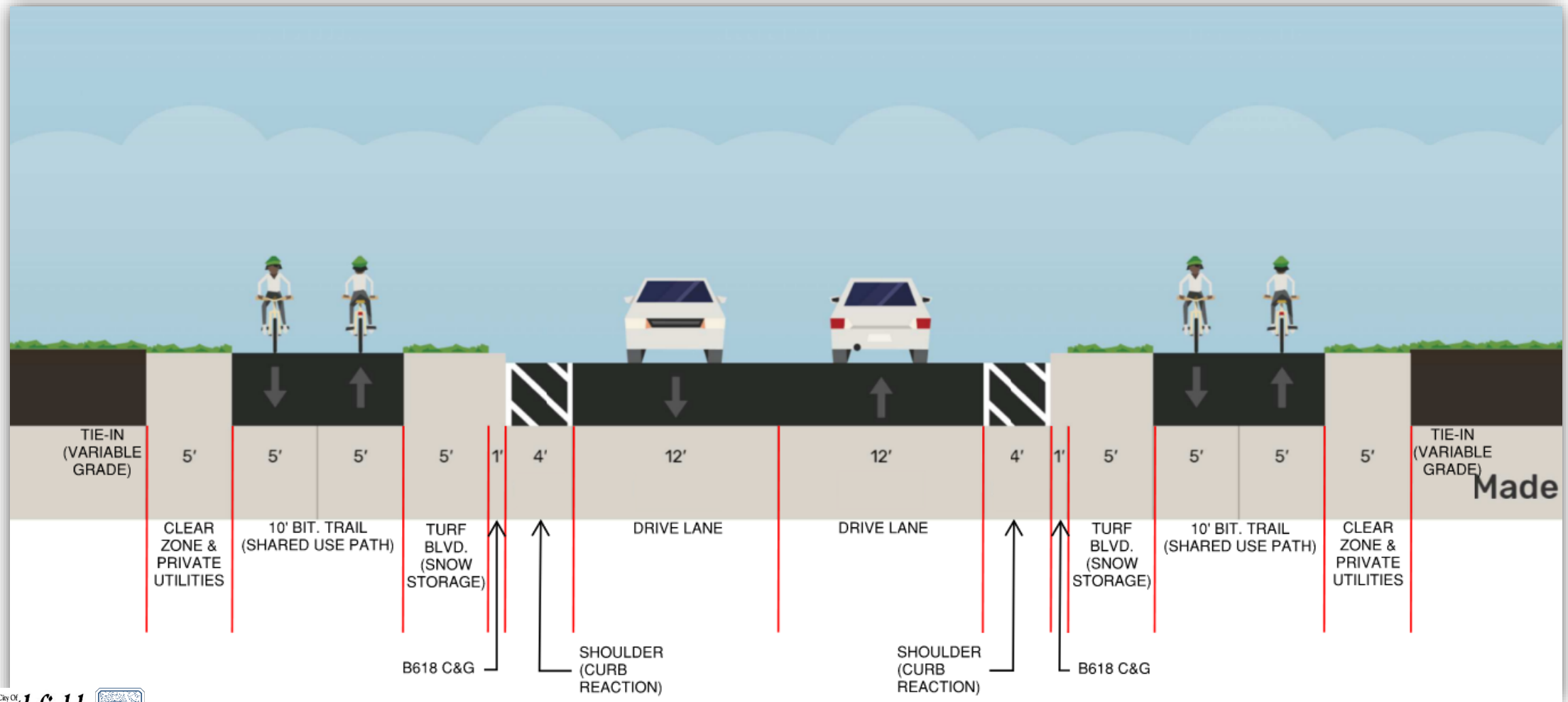
- Review of Approved Feasibility Report Recommendations
- Alternative Options
- Pros and Cons of Alternatives
- Discussion/Questions



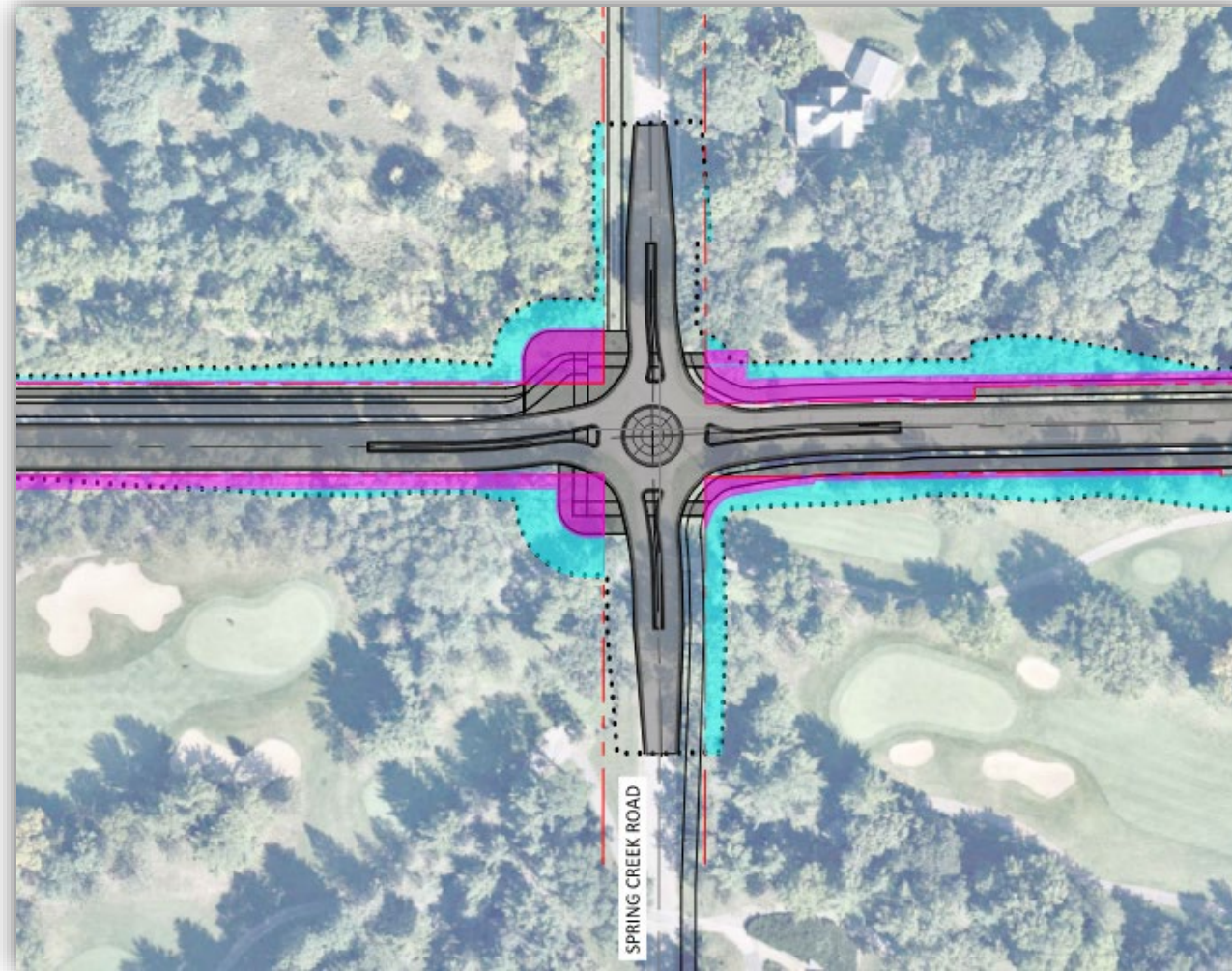
Feasibility Report Base Design Typical Section West of Spring Creek Road



Feasibility Report Base Design Typical Section East of Spring Creek Road



Feasibility Report – Mini Roundabout



Mill Towns Trail – Plaza Concept B

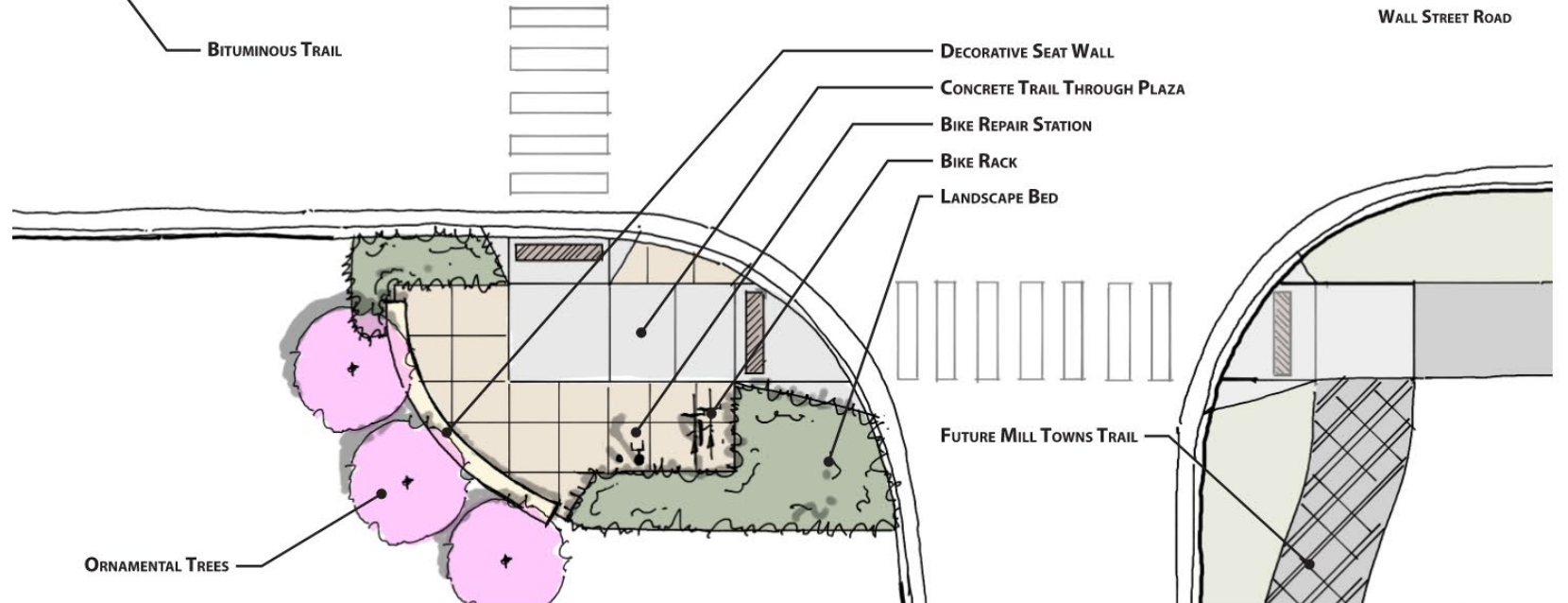
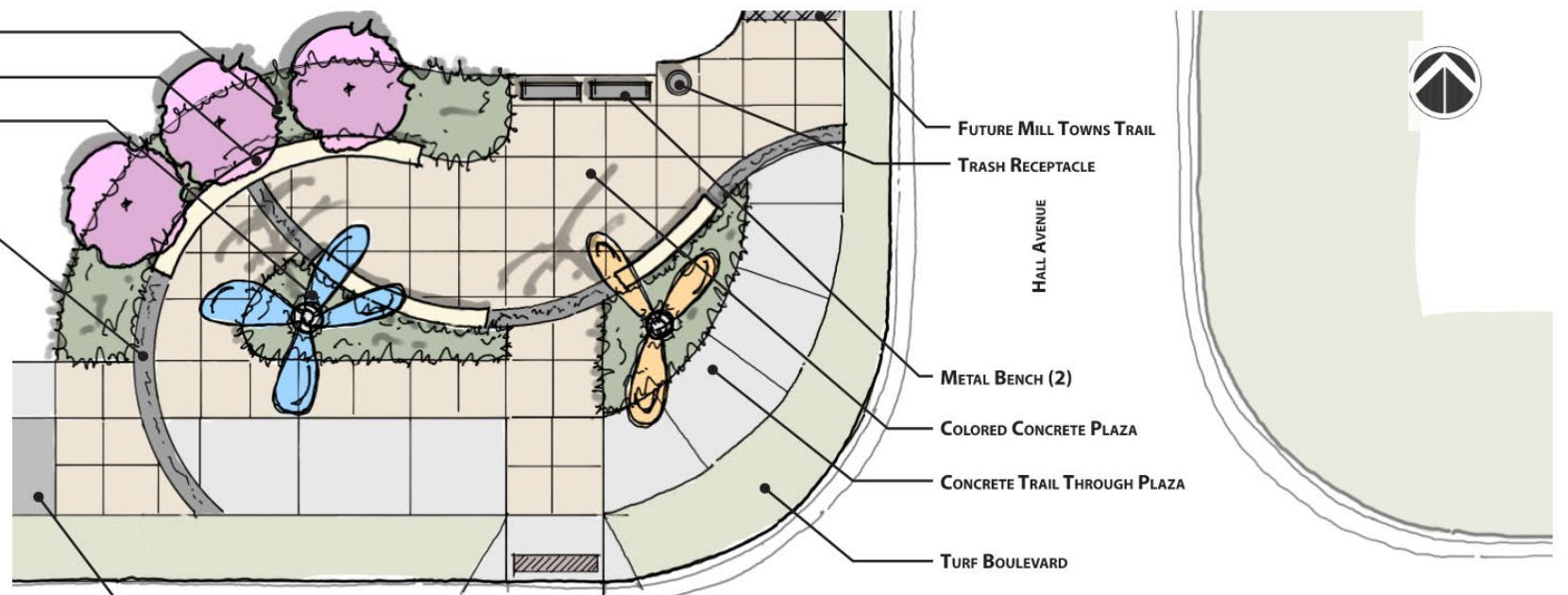


LANDSCAPE BED WITH ORNAMENTAL TREES

DECORATIVE SEAT WALL

VERTICAL SCULPTURAL ELEMENT (2)

COLORLED CONCRETE ACCENT BAND WITH
SANDBLASTED TEXT



NORTHFIELD, MN WALL STREET ROAD PLAZA CONCEPT B

NOTE: DRAWING NOT TO SCALE



Project Design Alternative Options

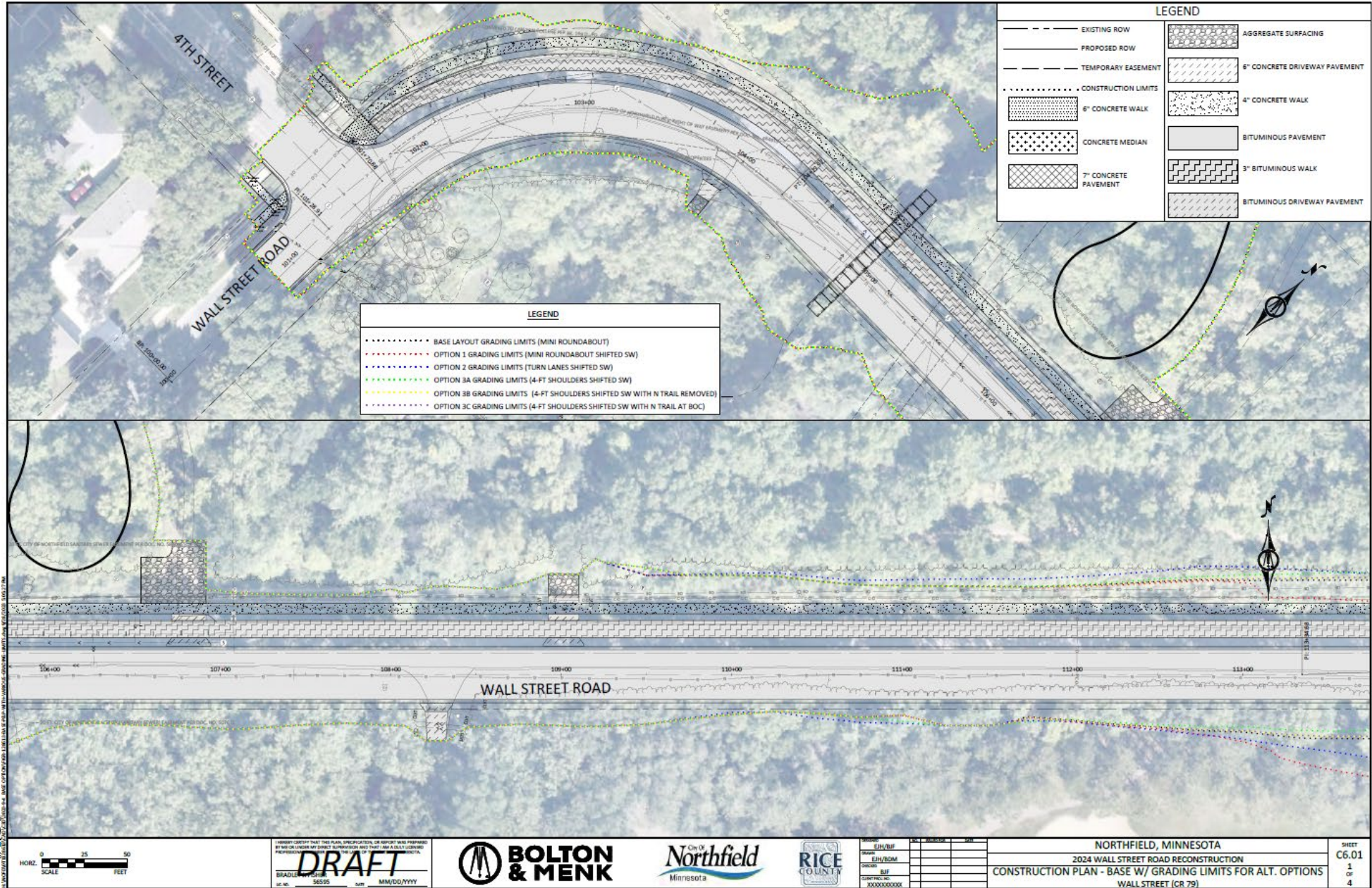
- City explored ways to minimized tree impacts along corridor, primarily focusing on the north side of Wall Street Road, east of Spring Creek Road
- The alternative options (1, 2, 3A, 3B) leave the existing retaining wall in in the NE Corner of Wall Street and Spring Creek Road in place thus eliminating tree impact in that area and along the cemetery
- Alternative option 3C the retaining wall along Wall Street would Move back ~4 feet. Include trail directly behind curb.

Project Design Alternative Options with NE Corner Wall in place (Road is moving South)

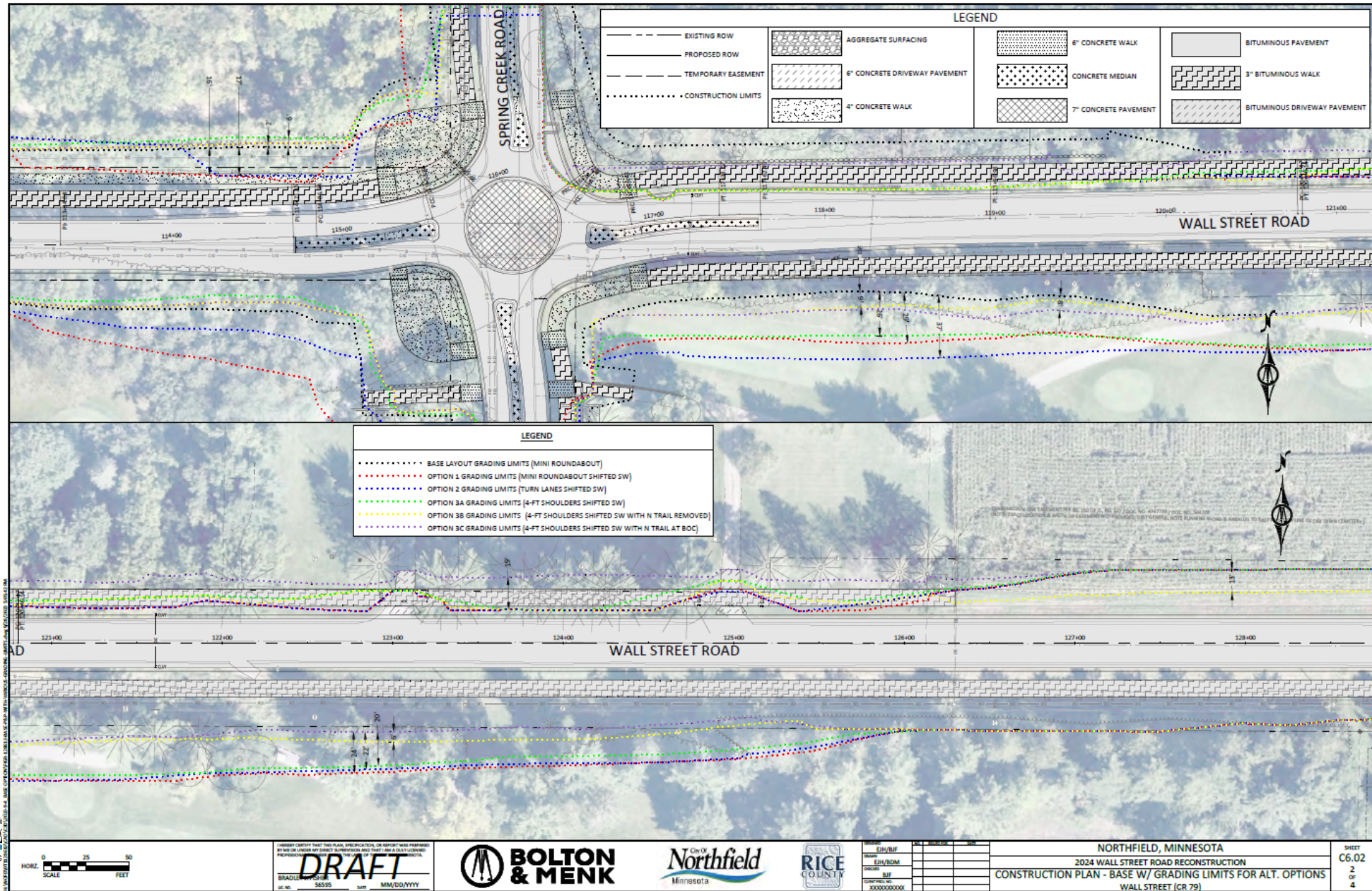
- Option 1 - Mini-Roundabout exists with all of the same walking and biking facility.
- Option 2 - Turns lanes at intersection of Wall Street and Spring Creek Road with same walking and biking facilities
- Option 3A - No intersection change, remains All-Way Stop - same walking and biking facilities
- Option 3B - No intersection change, remains All-Way Stop but the trail on the North side east of Spring Creek Road is removed
- Option 3C - No intersection change, remains All-Way Stop. Trail is placed directly behind curb. Trees remain at intersection, root impacts as we move east and tree by cemetery removed.



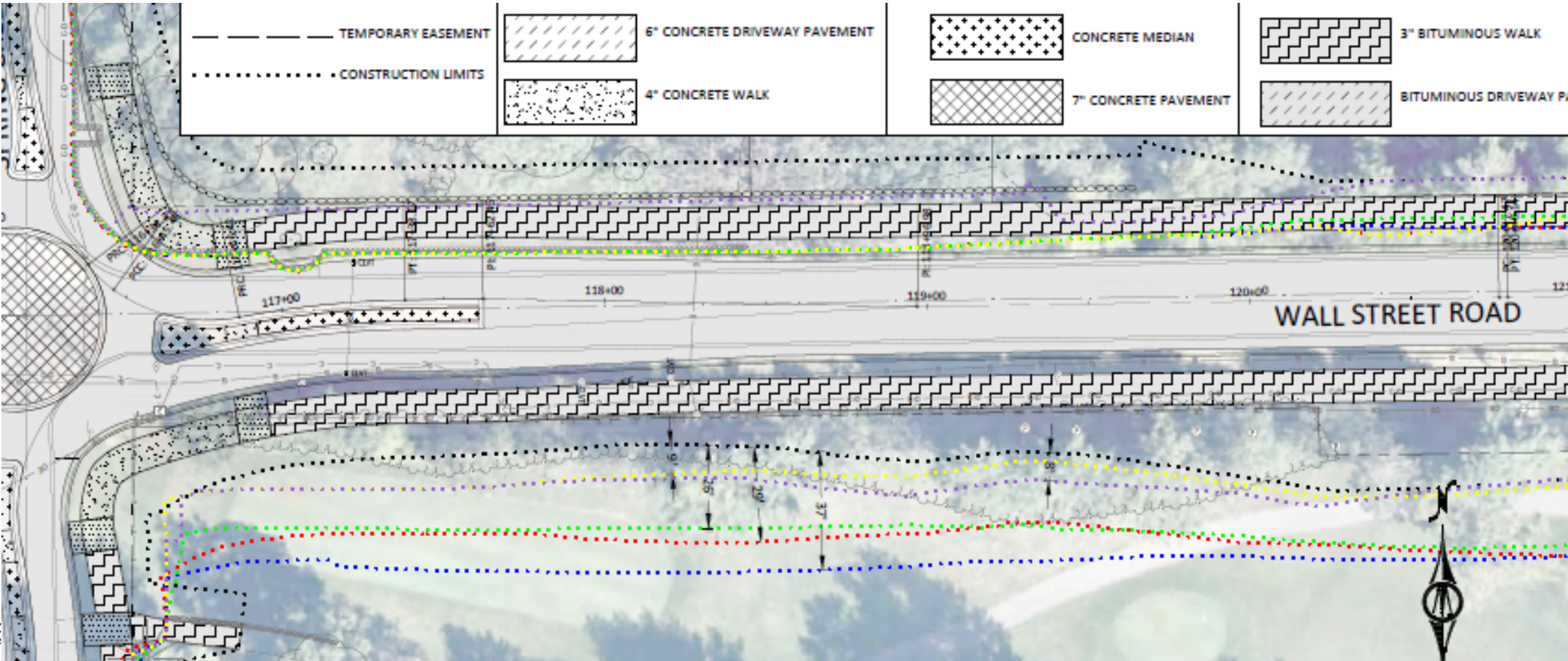
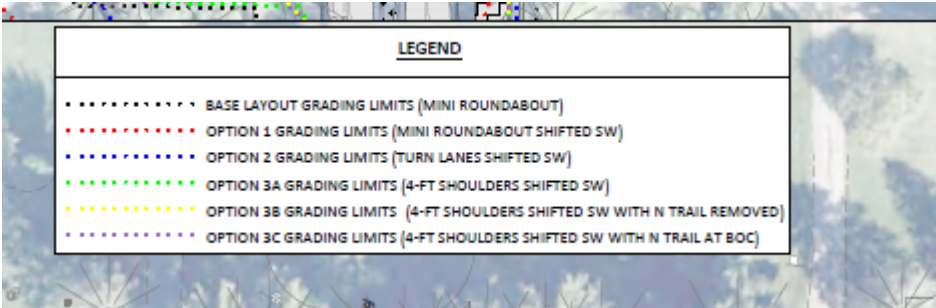
Alternative Options



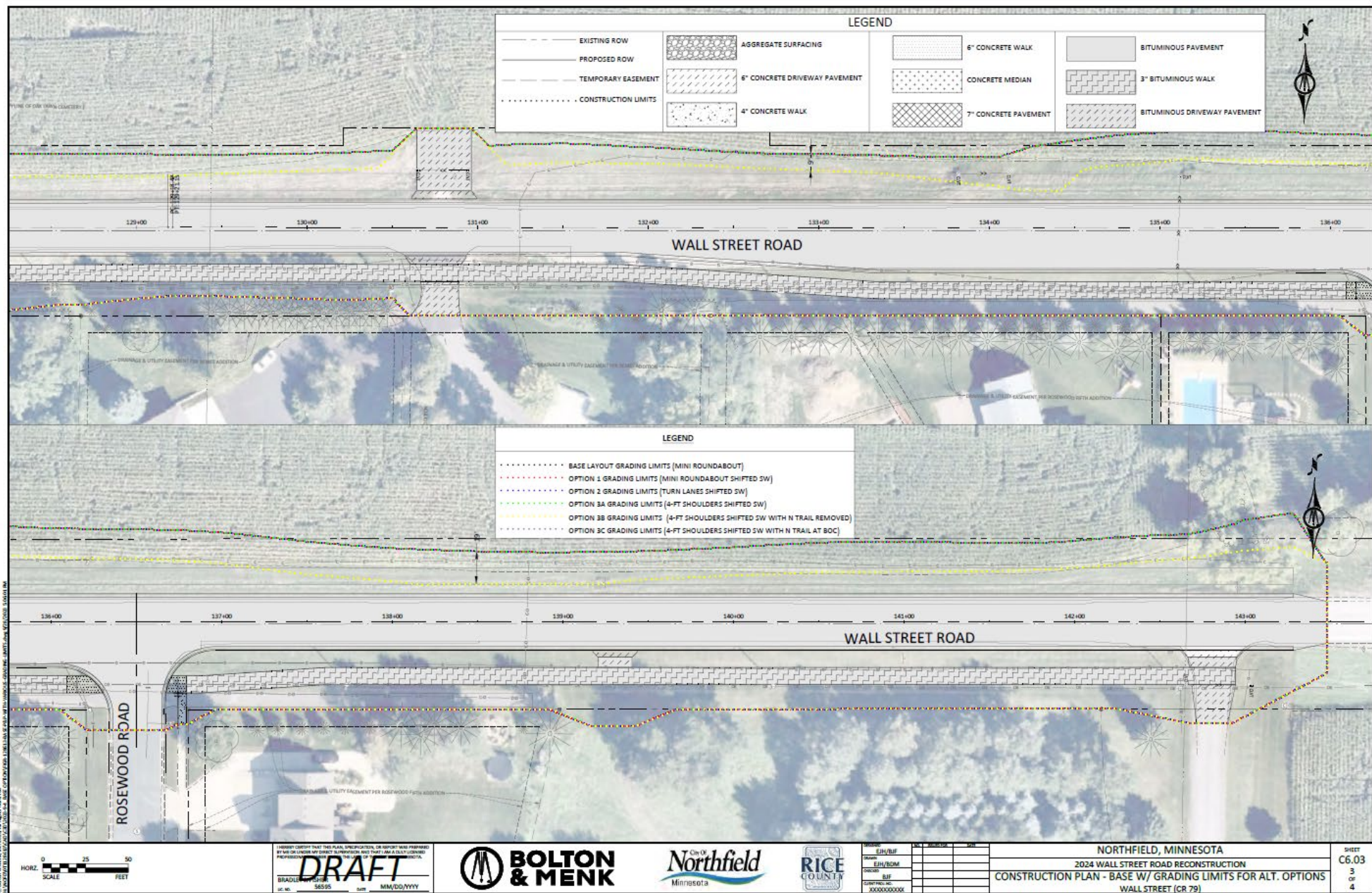
Alternative Options



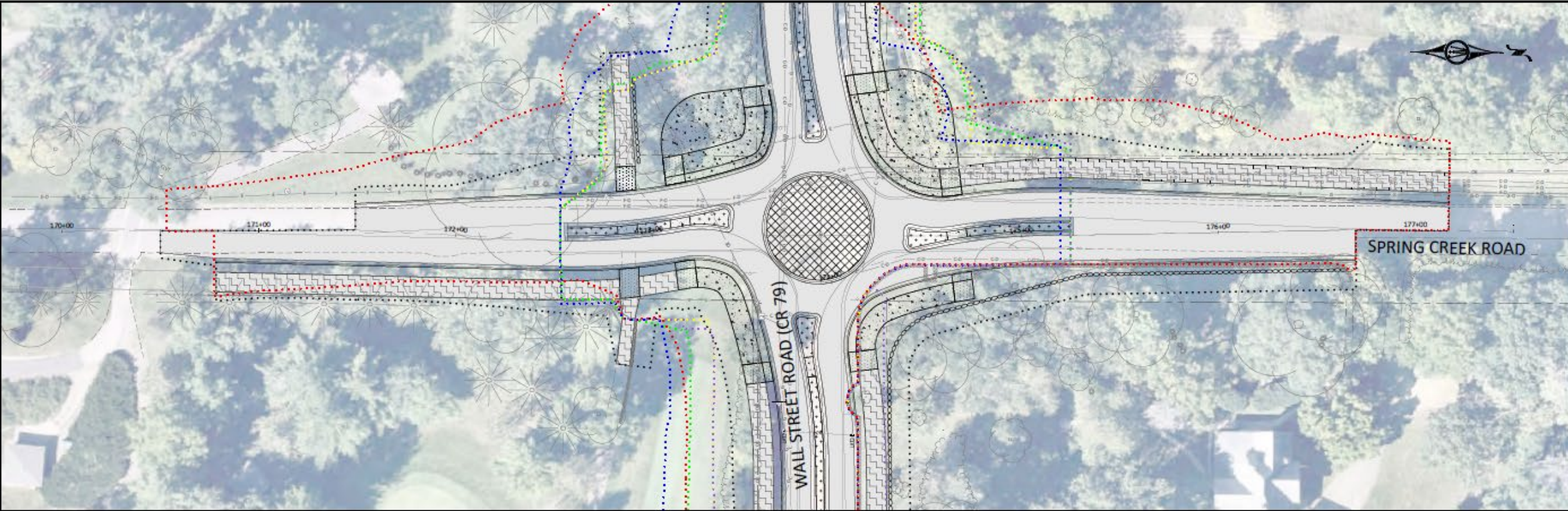
Alternative Options



Alternative Options



Alternative Options



LEGEND	
.....	BASE LAYOUT GRADING LIMITS (MINI ROUNDABOUT)
.....	OPTION 1 GRADING LIMITS (MINI ROUNDABOUT SHIFTED SW)
.....	OPTION 2 GRADING LIMITS (TURN LANES SHIFTED SW)
.....	OPTION 3A GRADING LIMITS (4-FT SHOULDERS SHIFTED SW)
.....	OPTION 3B GRADING LIMITS (4-FT SHOULDERS SHIFTED SW WITH N TRAIL REMOVED)
.....	OPTION 3C GRADING LIMITS (4-FT SHOULDERS SHIFTED SW WITH N TRAIL AT BOC)

LEGEND	
---	EXISTING ROW
---	PROPOSED ROW
---	TEMPORARY EASEMENT
.....	CONSTRUCTION LIMITS
.....	6" CONCRETE WALK
.....	AGGREGATE SURFACING
.....	6" CONCRETE DRIVEWAY PAVEMENT
.....	4" CONCRETE WALK

Project Alternative Option Matrix

Proposed Improvements	Costs	Align W/Ped Bike Plan	Serves Growth Areas	Tree Loss
Base Option – Feasibility Report	\$7,530,000	Good	Good	Fair
Option 1 – Roundabout w/Road Shifted South	No Saving/Probably More due to damages to golf course	Good	Good	Poor
Option 2 – Turn Lanes w/Road Shifted South	No Saving/Probably More due to damages to golf course	Good	Good	Poor
Option 3A – All-Way Stop with north trail (east of Spring Creek Road)	No Saving/Probably More due to damages to golf course	Good	Good	Fair
Option 3B – All-Way Stop without north trail (east of Spring Creek Road)	Save \$200-\$300K	Fair/Poor	Fair/Poor	Fair
Option 3C – All-Way Stop with north trail (east of Spring Creek Road) behind curb	Similar to base option	Good	Good	Fair

Anticipated Project Process

- Jan 18, 2023 -Order Preparation of Feasibility Report/Approve Scope of Service Contract
- Jan 18, 2023 -Neighborhood Meeting #1
- Mar 14, 2023 -Council Work Session Design Direction
- Mar 22, 2023 -Neighborhood Meeting #2
- June 20, 2023 -Accept Feasibility Report and Authorize Preparation of Plans & Specifications
- **Oct 3, 2023** -**Council Discuss Design Alternative Options**
- Oct 17, 2023 -Council May Select a Design Alternative
- Dec 2023–Apr 2024 -ROW Acquisition
- Apr 2024 -Approve Final Plans/Specs & Order Ad for Bid
- Summer 2024 - Nov 2025-Construction
- June 2026 -Accept Improvements & Authorize Final Payment



Questions / Comments

Project Website:

<https://www.northfieldmn.gov/1568/Wall-Street-Road-Improvements-Project>

