

City of Boulder  
Community and Environmental Assessment Process



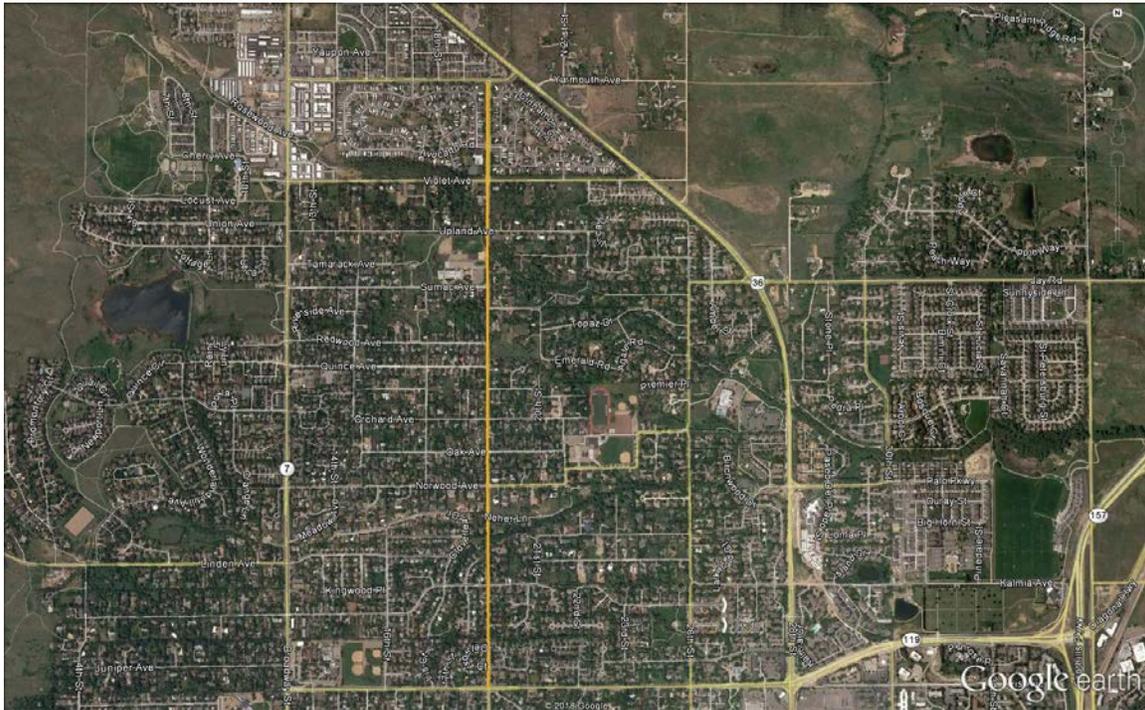
**19th Street  
Multimodal  
Improvements**

Construct Norwood to Sumac; Plan Sumac to Yarmouth



## Description and location of the project:

19th Street from Norwood to Sumac avenues is a two-lane collector street with some sidewalks, bikeable shoulders and transit service. It is an important multimodal corridor with an elementary school on the north end of the project, middle school on the southern end as well as two private schools so this is an important travel route for children walking and biking to these nearby schools. It is also an emergency response route for the city, with a fire station located to the north at Violet Avenue. This section of 19<sup>th</sup> Street crosses the Wonderland Creek and a portion of the area is within the Fourmile Canyon Creek and Wonderland Creek floodplains. There are overhead utility lines on the east side of 19th Street within and beyond the project boundary.



The North Boulder Sub-Community Plan (1995) describes the project area as having “a somewhat rural character, emanating from its low housing density, large lots, modestly sized homes, light traffic, and streets without curbs, gutter, sidewalks, or lighting. . . its rural character is valued by many of its residents.” A survey of area residents conducted in 1992 for the plan found residents liked the “rural feeling” of their community best.

The purpose of the 19<sup>th</sup> Street Multimodal Improvements Project is to improve the travel comfort and safety for current and future pedestrians and bicyclists along 19th Street from Norwood to Sumac avenues, particularly students traveling to nearby schools and neighbors traveling in the area. Funding comes from a Colorado Department of Transportation (CDOT) Transportation Alternatives Program (TAP) grant (funding to construct 5-foot wide sidewalks on the east side of the project section of 19<sup>th</sup> Street), a Federal Safe Routes to School grant (funding to construct 5-foot wide sidewalks on the west side of the project section of 19<sup>th</sup> Street to facilitate student traveling to Crest View Elementary and Centennial Middle Schools) and a CDOT supplemental TAP grant

(funding for the remaining estimated project costs to construct sidewalks on both the east and west sides of 19<sup>th</sup> Street from Norwood to Sumac avenues, ADA compliant curb ramps and striping the on-street bike lane). City transportation funds provide the matching funds.

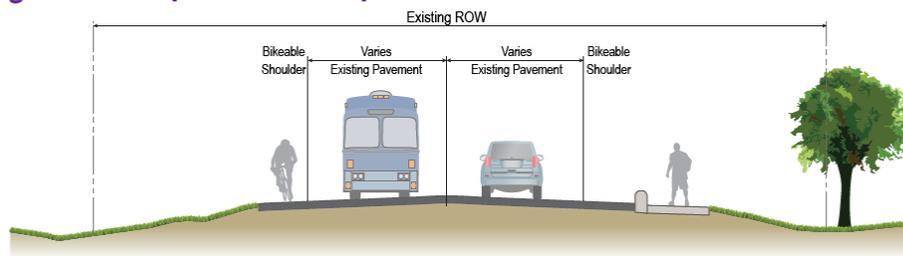
The 19th Street (Norwood-Sumac) Multimodal Improvements Project will design and construct sidewalks, bike lanes, curb and gutter on both sides of 19th St from Norwood to Sumac, upgrade and install pedestrian curb ramps, install a new storm sewer pipe and drainage inlets from Sumac Ave to Wonderland Creek and replace the existing Wonderland Creek culvert under 19th Street to meet floodplain development permit requirements. The project will lower the posted speed limit to 25mph and install speed mitigation improvements, enhanced pedestrian crossings and bus stop improvements. The project will plan for future multimodal improvements on 19th Street from Sumac to Yarmouth avenues through the creation of a conceptual memo of potential multimodal improvements which is anticipated to be completed by mid-2020. Each of these will focus on student mobility and safety.

Recent travel data collection efforts show average annual daily traffic (AADT) counts of 5,200 vehicles on 19<sup>th</sup> Street at Norwood Avenue and 4,400 vehicles at 19<sup>th</sup>/Sumac. Vehicular speeds vary within the statistical accuracy of the data with an 85<sup>th</sup> percentile speed of 34-36 mph. Data was collected on pedestrian and bicycle crossings during four peak time periods on 19<sup>th</sup> Street. Of those time periods, most of the crossings occur in the am peak hour of 7:30 am to 8:45 am and the afternoon peak hour of 2:15-3:30 pm and at the intersections of 19<sup>th</sup> and Norwood and 19<sup>th</sup> and Sumac. More detailed information can be found in Appendix A.

## Background, purpose and need for the project:

Currently, there is an existing 5-foot-wide sidewalk on the east side and existing on-street bikeable shoulders on both sides of 19<sup>th</sup> Street. These were constructed in the 1990s.

### Existing Condition (For Reference)



The sidewalk no longer meets current city design standards and comments from the community suggest they do not provide adequate space for youth and families walking and biking, which is allowed by city code on residential sidewalks. On the west side of 19th Street, the sidewalk is not continuous from Yarmouth to Norwood avenues. Along 19th Street from Norwood to Sumac, the existing roadway width varies; the roadway drainage system consists of roadside ditches and swales; and irrigation ditches are also present.

The Transportation Master Plan provides the vision and goals for providing safe, shared, sustainable, attractive, and comfortable travel choices for everyone. Currently 19th Street does not function as a complete street, offering travel choices for everyone. The recently approved Low Stress Walk and Bike Network Plan recommends bike lanes, preferably buffered, along 19th Street. The missing and substandard sidewalk sections have been higher priority projects to complete. The North Boulder Sub-Community Action Plan goal for Transportation seeks to “encourage walking, biking, and transit use by providing safe, comfortable and convenient pedestrian and bicycle path connections by:”

- developing long, continuous routes within the sub-community;
- identifying and resolving missing links;
- providing and enhancing bike lanes on collector and arterial streets;
- installing sidewalks on school routes;
- elevating the quality of street design, so that streets are more attractive and inviting for pedestrians, bicyclists, bus riders, and drivers.

Speaking specifically to 19<sup>th</sup> Street, the North Boulder Sub-Community Action plan calls for:

- redesign (of) 19th Street to reduce traffic speed, improve pedestrian safety crossings near school routes, and add continuous detached walks along both sides
  - the design should consider street narrowing, detached sidewalks, and most likely, curb and gutter
- improving existing bicycle/ pedestrian connections, including detaching walks along 19<sup>th</sup> Street

## **Description of project alternatives including:**

Five design alternatives are being evaluated in this conceptual planning and design phase:

Alternative 1 - Attached Sidewalks and On-Street Bike Lanes

Alternative 2 - Detached Sidewalks and On-Street Bike Lanes

Alternative 3 - Combination of Attached and Detached Sidewalks and On-Street Bike Lanes

Alternative 4 – Combination of Attached and Detached Sidewalks and Buffered Bike Lanes

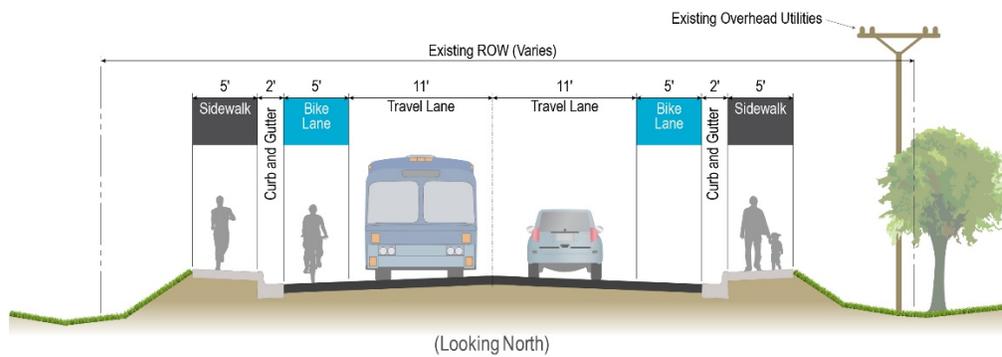
Alternative 5 – Multi-Use Path and On-Street Bike Lane on east side and Attached Sidewalk and Buffered Bike Lane on west side

Attributes which will be implemented irrespective of the selected alternative include:

- An “Attached Sidewalk and On-Street Bike Lane” as shown in Alternative 1, will be implemented in the section of 19<sup>th</sup> Street located within the Wonderland Creek Floodplain, which is generally from north of Quince Avenue to Riverside Avenue, due to available right-of-way, cost and floodplain mitigation requirements. This section can be matched to fit and transition to any of the conceptual design alternatives selected segments north and south of the floodplain.

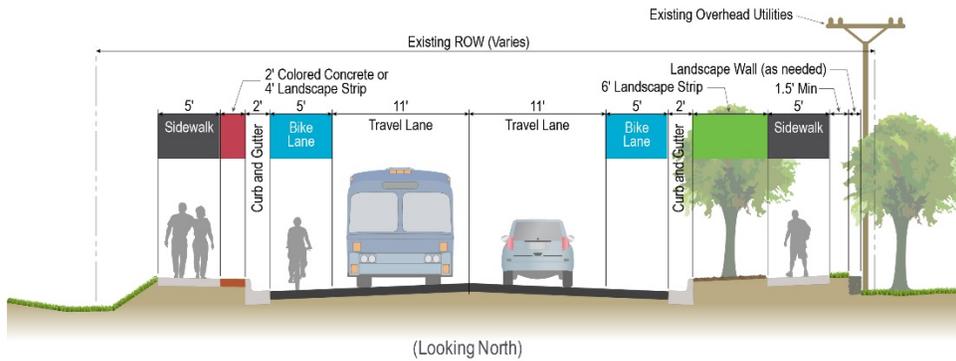
- The travel lane widths for these alternatives vary from 10 to 11 feet. There would be 5-foot-wide on-street bicycle lanes (exclusive of the 1.5 foot-wide gutter pan), 2 foot-wide curb and gutter, and Americans with Disabilities Act compliant curb access ramps at each intersection.
- Remnants of on-street parking will be removed for bike facility improvements and to provide consistent roadway width.
- No property will need to be acquired to construct any of the alternatives, storm water drainage improvements, ditch improvements, identified enhanced pedestrian crossings, or selected speed mitigation devices. Temporary construction easements may be needed.
- All alternatives would take the same amount of construction time which is estimated to be 9 months.
- At least 294 street trees in the public right-of-way will be removed. These trees are in poor condition or a non-native tree species. Landscaping opportunity areas have been identified and the project final design will look to plant trees that keep a compact canopy such as lilac or non-fruit bearing trees.

### Alternative 1 - Attached Sidewalks and On-Street Bike Lanes



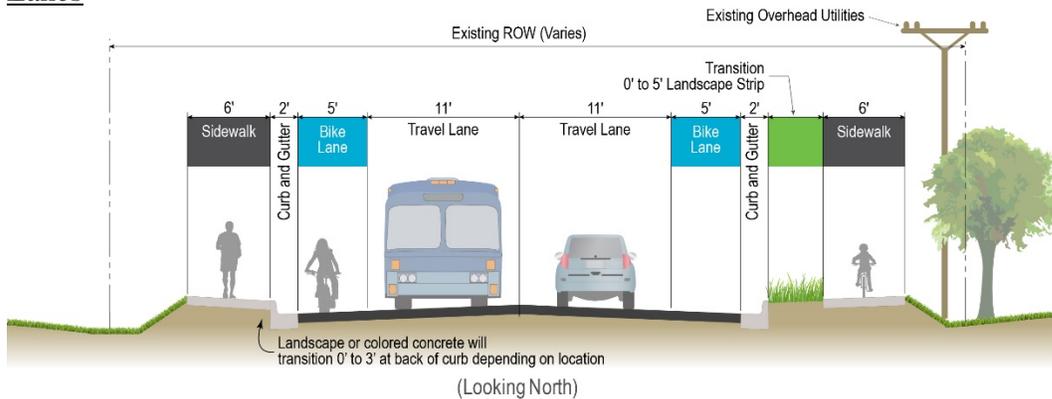
- 5-foot wide concrete sidewalks on the east and west sides of the street
  - attached to the roadway via a 2-foot curb and gutter
- 5 foot on-street bike lane exclusive of gutter pan.
- 10-foot to 20-foot long bus stop pads located at the back of the sidewalk; Transit vehicle stops in bike lane (15 min frequencies during peak and 30 min frequencies during off-peak)

## Alternative 2 – Detached Sidewalks and On-Street Bike Lanes



- 5-foot wide concrete sidewalks on the east and west sides of the street
  - West side – 2-foot colored concrete strip – 4-foot-wide landscape detachment from roadway,
  - East side – 6-foot-wide tree and landscaping detached area
- Minimum 1.5-foot tall retaining wall may be installed (as needed) at the back-of-sidewalk on the east side to accommodate the existing slope of the terrain and to remain within the existing right-of-way
- 5 foot on-street bike lane exclusive of gutter pan.
- 30-foot long concrete bus pads located between the curb and the sidewalk; Transit vehicle stops in bike lane (15 min frequencies during peak and 30 min frequencies during off-peak)

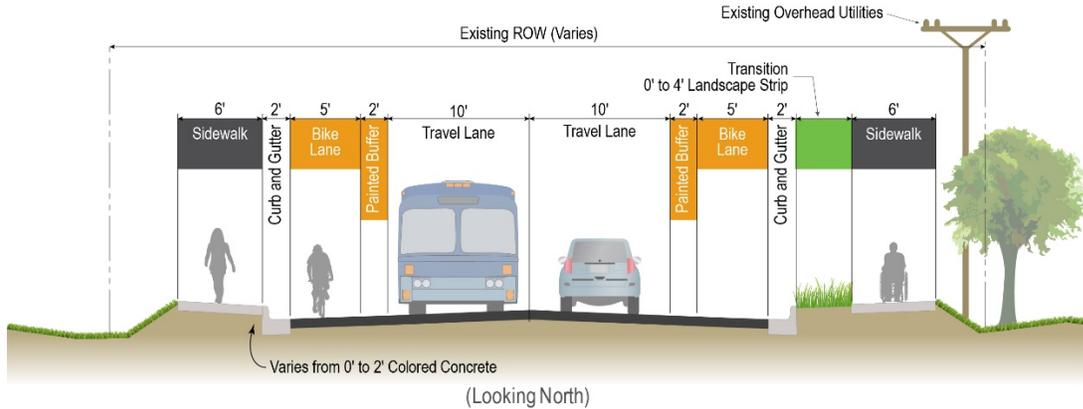
## Alternative 3 – Combination of Detached and Attached Sidewalks and On-Street Bike Lanes



- 6-foot wide concrete sidewalk on the east and west sides of the street
  - Sidewalk would vary from attached to detached
    - Attached to the roadway via a 2-foot curb and gutter
    - Detached from the roadway by a colored concrete strip or tree/landscape strip, depending on the right-of-way availability
      - detachment will range up to 3-feet wide on the west side and up to 5-feet wide on the east side
  - 5 foot on-street bike lane exclusive of gutter pan.

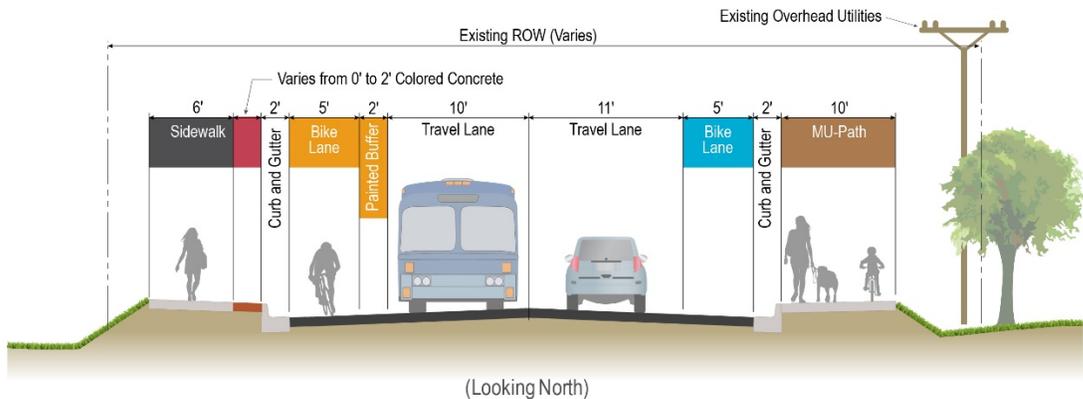
- Length of bus stop pads varies depending on whether the sidewalk is attached or detached to the roadway; Transit vehicle stops in bike lane (15 min frequencies during peak and 30 min frequencies during off-peak)

Alternative 4 – Combination of Detached and Attached Sidewalks and Buffered Bike Lanes



- 6-foot wide concrete sidewalk on the east and west sides of the street
  - Sidewalk would vary from attached to detached
    - Attached to the roadway via a 2-foot curb and gutter
    - Detached from the roadway by a colored concrete strip or landscape strip, depending on the right-of-way availability
      - detachment will range up to 2-feet wide on the west side and up to 4-feet wide on the east side
  - 5 foot on-street bike lane exclusive of gutter pan with a 2-foot painted buffer.
  - Length of bus stop pads varies depending on whether the sidewalk is attached or detached to the roadway; Transit vehicle stops in bike lane (15 min frequencies during peak and 30 min frequencies during off-peak)

Alternative 5 – Multi-use Path on the east side, detached sidewalk and On-Street Bike Lanes



- 10-foot-wide multi-use path on the east side and 5-foot wide concrete sidewalk on the west side of the street

- Sidewalk detachment on west side of roadway varies from 0-2 feet, depending on the right-of-way availability
- This facility matches the multi-use path south of Norwood and the upcoming multi-use path north of Sumac Ave to Fourmile Canyon Creek.
- 5 foot on-street bike lane exclusive of gutter pan on east side; 5 foot on-street bike lane with 2-foot painted buffer on west side.
- Transit vehicle stops in bike lane (15 min frequencies during peak and 30 min frequencies during off-peak)

The following improvements will also be a part of the 19<sup>th</sup> Street project irrespective of the selected alternative:

#### *Roadway Drainage*

The funded improvements include:

- New storm sewer from Sumac Avenue to Wonderland Creek
  - To reduce flooding at 19th Street and Sumac Avenue, and
  - Separate storm water from existing irrigation ditch flows.
  - To be sized to receive planned future expansions to the north and west
- Runoff from 19th Street, to the east and west, will be minimized by routing flow to Wonderland Creek
- Re-establishment of roadside ditches on the west side of 19<sup>th</sup> Street from Norwood Avenue to Wonderland Creek to improve existing roadway drainage and re-establish existing ditches that have been silted in and not maintained throughout the years.

#### *Irrigation Ditches*

- Extend the Githens Acres culvert under 19th Street
- Separate Sumac Ave street drainage from the Githens Acres irrigation ditch lateral

#### *Pedestrian Crossings*

- Crossing enhancements will be implemented at the intersections of Sumac Avenue, Quince Avenue, Orchard Avenue, Oak Avenue, and Norwood Avenue.

#### *Bus stop improvements*

- Bus stop pads will be installed at locations of detached sidewalks and amenities such as benches and trash cans may be installed at higher use bus stop locations depending on neighborhood support for bus stop maintenance.

#### *Speed Mitigation*

- Data collected for the project planning and design phase determined implementation of speed mitigation was appropriate.
- The speed mitigation devices being considered for the project include speed cushions, raised crosswalks, medians, curb bulb-outs, traffic circles and radar feedback signs. Device selection and installation location will be determined by

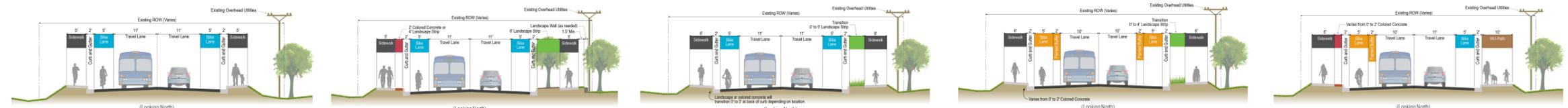
right-of-way, roadway drainage, wetland/floodplain impacts and emergency response review and approval.

- The posted speed limit will be changed from 30 mph to 25 mph and the project's speed mitigation will be designed for the 25 mph posted speed limit.

### CEAP Evaluation

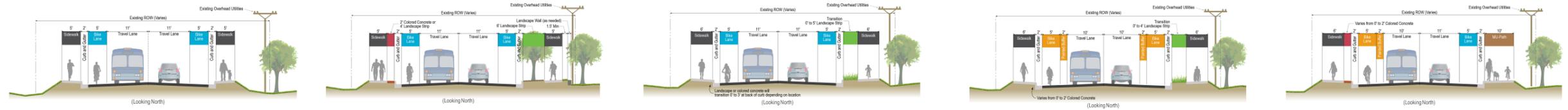
Each alternative was evaluated using the CEAP factors, with many factors not differing across alternatives. To recognize the 19th Street project's unique context and needs, the project team utilized the matrix of Alternatives Characteristics to better assess the alternatives for achieving the project goals and the community's desires within the project area constraints.

# Characteristics of the Conceptual Design Alternatives



	<b>Alternative 1: Attached Sidewalk and On-Street Bike Lanes</b>	<b>Alternative 2: Detached Sidewalk and On-Street Bike Lanes</b>	<b>Alternative 3: Combination of Attached &amp; Detached Sidewalks and On-Street Bike Lanes</b>	<b>Alternative 4: Combination of Attached &amp; Detached Sidewalks and Buffered Bike Lanes</b>	<b>Alternative 5: Multi-Use Path and On-Street Bike Lane on the east side, Attached sidewalk and Buffered Bike Lane on west side</b>
<b>Safety</b>	<p><i>Same for all alternatives:</i></p> <ul style="list-style-type: none"> <li>Over the last 5 years (10/2014-10/2019), there were a total of eight reported crashes along the 19th Street corridor between Norwood Avenue and Sumac Avenue. Most crashes were located at intersections, non-correctable, and property damage only. There was one injury crash involving a vehicle and a left-turning cyclist at 19th Street and Orchard Avenue. No crash trends were identified for mitigation as part of this analysis.</li> <li>The posted speed limit is being reduced to 25 mph.</li> <li>This alternative can include traffic calming devices which is intended to reduce speeding on 19th Street and supports the Vision Zero program goals of improving travel comfort and safety.</li> </ul>				
<b>Travel Experience</b>	<p><b>Walking</b></p> <ul style="list-style-type: none"> <li>Alternative 1: Continuous 5 foot sidewalks attached to curb on both sides of street. On-street bike lane provides a buffer between vehicle lanes and sidewalk. The pedestrian has a separate facility although there may occasionally be a bicyclist on the sidewalk as this is allowed on residential streets. Sidewalk alignment will vary at driveways.</li> <li>Alternative 2: Continuous 5 foot sidewalks on both sides of the street. Sidewalk is detached from curb with a 6 foot area for landscaping on the east side and 2-4 foot area on the west side (except in the Wonderland Creek Floodplain which will have an attached sidewalk to meet floodplain development permit requirements). On-street bike lane provides buffer between vehicle lanes and sidewalks. The pedestrian has a separate facility although there may occasionally be a bicyclist on the sidewalk as this is allowed on residential streets. Sidewalk alignment does not vary at driveways.</li> <li>Alternative 3: Combination of attached and detached 6 foot continuous sidewalks on both sides of the street. On the west side the detached area would range from a 2 foot colored concrete strip to a 3 foot landscaping area. On the east side the detached area would range from 0-5 foot landscaping area. (The Wonderland Creek Floodplain will have an attached sidewalk to meet floodplain development permit requirements). On-street bike lane provides buffer between vehicle lanes and sidewalks. The pedestrian has a separate facility although there may occasionally be a bicyclist on the sidewalk as this is allowed on residential streets. For attached sidewalk sections, sidewalk alignment will vary at driveways.</li> <li>Alternative 4: Combination of attached and detached 6 foot continuous sidewalks on both sides of the street. On the west side the detached area would be a 2 foot colored concrete strip. On the east side the detached area would range from 0-4 foot. (The Wonderland Creek Floodplain will have an attached sidewalk to meet floodplain development permit requirements). On-street bike lane provides buffer between vehicle lanes and sidewalks. The pedestrian has a separate facility although there may occasionally be a bicyclist on the sidewalk as this is allowed on residential streets. For attached sidewalk sections, sidewalk alignment will vary at driveways.</li> <li>Alternative 5: 10 foot multi-use path on the east side that pedestrians and bicyclists will share in both directions. 6 foot continuous sidewalk on the west side. There may occasionally be a bicyclist riding on the sidewalk as this is allowed on residential streets. The Wonderland Creek Floodplain will have an attached sidewalk to meet floodplain development permit requirements. On-street bike lane provides buffer between vehicle lanes and sidewalks. Sidewalk alignment will vary at driveways.</li> </ul> <p><b>Cycling</b></p> <p><i>Same for Alternatives 1, 2 and 3:</i></p> <ul style="list-style-type: none"> <li>5 foot on-street bike lane exclusive of gutter pan.</li> <li>Bicyclists have a choice to ride in on-street lane or off-street on sidewalk.</li> </ul> <ul style="list-style-type: none"> <li>Alternative 4: 5 foot on-street bike lane exclusive of gutter pan with 2 foot painted buffer. Painted buffer provides additional horizontal separation between vehicles and bicyclists which is considered to be more appealing to a wider range of bicyclists. Bicyclists have a choice to ride in on-street lane or off-street on sidewalk.</li> <li>Alternative 5: 10 foot multi-use path on the east side that pedestrians and bicyclists will share in both directions. The wider space of a multi-use path can better accommodate bike trailers, tandems and tag-along bikes. On the west side, there is a 5 foot on-street bike lane exclusive of gutter pan with 2 foot painted buffer. Painted buffer provides additional horizontal separation between vehicles and bicyclists which is considered to be more appealing to a wider range of bicyclists. Bicyclists have a choice to ride in on-street lane or off-street on sidewalk.</li> </ul> <p><b>Transit</b></p> <ul style="list-style-type: none"> <li>Alternative 1: There will be waiting areas at the bus stops on the outside of the sidewalk. The transit rider will board or alight from the sidewalk which may increase the instances of conflicts between riders and pedestrians and bicyclists.</li> <li>Alternative 2: At the bus stop, the transit rider will board or alight from the bus stop waiting area located in the landscape strip which is adjacent to the curb which may decrease the number of conflicts between riders and the pedestrian or bicyclist on the sidewalk.</li> <li>Alternative 3: There will be some bus stops where riders will board or alight from the sidewalk and other locations where riders will board or alight from the bus stop waiting area. Separate boarding and alighting spaces from the sidewalk may decrease the number of conflicts between riders and the pedestrian or bicyclist on the sidewalk.</li> <li>Alternative 4: There will be some bus stops where riders will board or alight from the sidewalk and other locations where riders will board or alight from the bus stop waiting area. Separate boarding and alighting spaces from the sidewalk may decrease the number of conflicts between riders and the pedestrian or bicyclist on the sidewalk.</li> <li>Alternative 5: The transit rider will board or alight from the multi-use path or sidewalk which may increase the instances of conflicts between riders and pedestrians and bicyclists.</li> </ul> <p><b>Driver</b></p> <p>Same for alternatives 1, 2, and 3:</p> <ul style="list-style-type: none"> <li>Number of lanes and the 11 foot lane width remain the same as existing condition.</li> <li>On-street parking on 19th St will not be available.</li> </ul> <ul style="list-style-type: none"> <li>Alternative 4: Number of lanes remain the same; 10 foot lane with a painted buffer. On-street parking on 19th St will not be available.</li> <li>Alternative 5: Number of lanes remain the same as existing condition. For the northbound direction the 11 foot vehicle lane width remains the same as the current condition. The southbound vehicle lane width is 10 feet with a painted buffer. On-street parking on 19th St will not be available.</li> </ul>				
<b>City Plans</b>	<p>Supports the North Boulder Subcommunity Action Plan of Detached Sidewalks</p> <ul style="list-style-type: none"> <li>Alternative 1: Does not support the Plan</li> <li>Alternative 2: Supports the Plan</li> <li>Alternative 3: In support of the Plan where there are detached sidewalks.</li> <li>Alternative 4: In support of the Plan where there are detached sidewalks.</li> <li>Alternative 5: Does not support the Plan.</li> </ul> <p>Supports the TMP Low Stress Walk and Bike Network for On-Street Bike Lanes, preferably buffered and improved travel comfort for pedestrian with continuous sidewalks</p> <ul style="list-style-type: none"> <li>Alternative 1: Supports the Plan</li> <li>Alternative 2: Supports the Plan</li> <li>Alternative 3: Supports the Plan</li> <li>Alternative 4: Supports the Plan</li> <li>Alternative 5: Supports the Plan; multi-use path, which is a vertical separated bike facility, exceeds the plan recommendation.</li> </ul>				

# Characteristics of the Conceptual Design Alternatives



	<b>Alternative 1: Attached Sidewalk and On-Street Bike Lanes</b>	<b>Alternative 2: Detached Sidewalk and On-Street Bike Lanes</b>	<b>Alternative 3: Combination of Attached &amp; Detached Sidewalks and On-Street Bike Lanes</b>	<b>Alternative 4: Combination of Attached &amp; Detached Sidewalks and Buffered Bike Lanes</b>	<b>Alternative 5: Multi-Use Path and On-Street Bike Lane on the east side, Attached sidewalk and Buffered Bike Lane on west side</b>
<b>Cost Estimate, Property Impacts and Maintenance</b>					
Cost estimate	Approximately \$3.6 million	Approximately \$4.4 million	Approximately \$3.9 million	Approximately \$4.2 million	Approximately \$4.3 million
Property impacts	<i>Same for all alternatives:</i> <ul style="list-style-type: none"> <li>No permanent easements needed.</li> <li>There will be some impacts to the adjacent property including items such as mailbox relocation or landscaping removal.</li> </ul>				
Sidewalk path maintenance	<i>Same for Alternatives 1, 2, 3 and 4:</i> <ul style="list-style-type: none"> <li>Sidewalk maintenance, including snow removal is the responsibility of adjacent property owners. With the addition of new sidewalk or wider sidewalk, maintenance duties may be new or greater to adjacent property owners.</li> </ul>				<ul style="list-style-type: none"> <li>Multi-use path will be maintained by the City of Boulder. Sidewalk maintenance on the west side, including snow removal is the responsibility of adjacent property owners. With the addition of new sidewalk or wider sidewalk, maintenance duties may be new or greater to adjacent property owners.</li> </ul>
<b>Natural Areas or Features</b>					
Tree removal due to poor condition, non-native and/or undesirable tree species and to allow for construction of sidewalk or multi-use path	Approximately 297	Approximately 323	Approximately 323	Approximately 300	Approximately 324
Opportunity to plant trees and landscaping	<ul style="list-style-type: none"> <li>Approximately 40-45 small trees could be planted outside or behind the sidewalk.</li> </ul>	<ul style="list-style-type: none"> <li>Approximately 60-65 medium size trees and landscaping could be planted in the detached area on the east side.</li> <li>Approximately 35-40 small trees and landscaping can be planted in the 4 foot detached area on the west side of the street.</li> </ul>	<ul style="list-style-type: none"> <li>Approximately 20-25 small trees and landscaping could be planted in the detached area on the east side.</li> <li>Landscaping can be planted in the 3 foot detached area on the west side.</li> </ul>	<ul style="list-style-type: none"> <li>No detached landscaping area on the west side.</li> <li>Approximately 20-25 small trees and landscaping can be planted in the 4 foot detached area on the east side.</li> </ul>	<ul style="list-style-type: none"> <li>No detached landscaping areas on either side of the street.</li> </ul>
Encroachment upon the 100-year, conveyance or high hazard flood zones	<i>Same for all alternatives:</i> <ul style="list-style-type: none"> <li>The project will construct a larger box culvert for Wonderland Creek at 19th Street and there will be attached sidewalks in the Wonderland Creek floodplain section.</li> </ul>				
Change in hardscape and impact on water quality	<ul style="list-style-type: none"> <li>No change on east side from existing. Additional impervious surface area on the west side for the sections of sidewalk that do not exist today. Water quality treatment installation will occur to meet requirements.</li> </ul>	<ul style="list-style-type: none"> <li>No change on east side from existing. Additional impervious surface area on the west side for the sections of sidewalk that do not exist today. Water quality treatment installation will occur to meet requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Additional impervious surface area on the east and west sides for the sections of sidewalk that do not exist today. Water quality treatment installation will occur to meet requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Additional impervious surface area on the east and west sides for the sections of sidewalk that do not exist today. Water quality treatment installation will occur to meet requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Additional impervious surface area on the east and west sides from what exists today. Water quality treatment installation will occur to meet requirements.</li> </ul>
Change in storm drainage	<i>Same for all alternatives:</i> <ul style="list-style-type: none"> <li>A new storm sewer pipe and drainage inlets will be installed from Sumac Avenue to Wonderland Creek which is intended to result in no adverse impact.</li> </ul>				

## Permits

Construction of the 19<sup>th</sup> Street project may require the following permits:

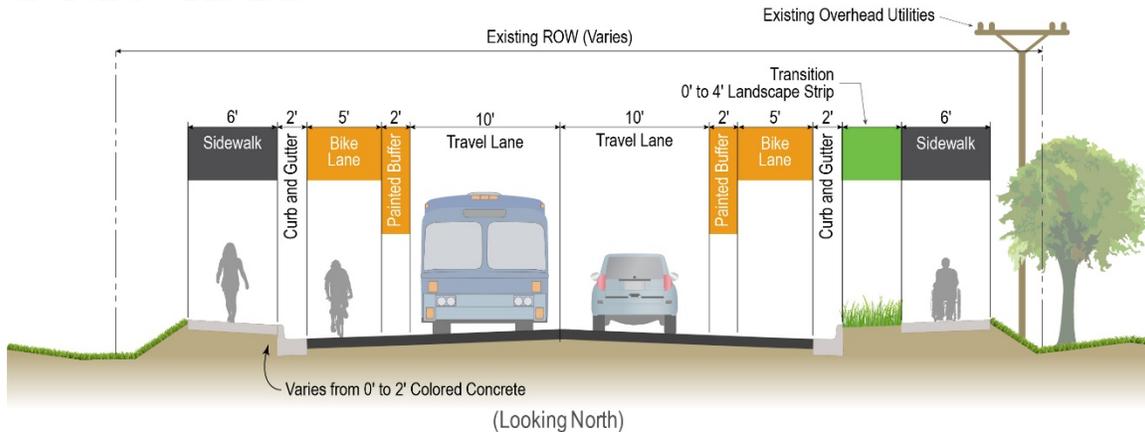
- United States Army Corps of Engineers 404 Wetlands Permit
- Colorado Department of Health and Environment Colorado Storm Water Discharge Permit (Construction Activity General Permit and Storm Water Management Plan)
- City of Boulder Floodplain Development Permit
- City of Boulder Streams, Wetlands and Water Body Protection Permit
- Threatened and Endangered Species Clearance
- CDOT Clearance of Right-of-way, Utility, and Environmental Impacts

### LOMR

A Federal Emergency Management Agency Letter of Map Revision (LOMR) may be needed at Wonderland Creek as the upsizing of the culvert may cause a lowering of the base flood elevation.

## Recommended project alternative:

The recommended project alternative is Alternative 4- Attached and Detached Sidewalks, and Buffered Bike Lanes:



This alternative is being recommended because the conceptual design includes walking and bicycling facilities that improve travel comfort and safety for a wider range of ages and abilities. It minimizes the additional tree removals compared to Alternatives 2, 3 and 5 while also providing space on the east side of the street for new landscaping and small trees. This conceptual design alternative was most preferred by the community members providing feedback and ties into their reasons of preference including buffering between bikes and cars while also having good pedestrian facilities, narrower vehicle lanes, impacting less trees and land and having landscaping. The reduced travel lane widths, reduction in the posted speed limit and implementation of traffic calming devices will also support the travel comfort and safety objectives of the TMP and the detached sidewalk locations will support the North Boulder Subcommunity Plan.

## **Public input to date:**

A community engagement plan was developed for this project using the city's Engagement Strategic Framework. Through this, the team consulted with the public to better understand the issues before embarking, identifying alternatives, and evaluating them. These actions were achieved through four public open house meetings, three site walks, and one stakeholder meeting and onsite meetings with adjacent property owners:

- North Boulder Open House Meeting and Boulder Valley Comprehensive Plan (BVCP) Listening Session on Nov. 18, 2015
- North Boulder Public Works Open House on May 22, 2017
- Two site walks, September 27 and 28, 2017
- Community Cycles Advocacy Committee meeting, February 5, 2018
- WTS-Centennial Middle School Transit Study field trip, January 23, 2018
- 19<sup>th</sup> Street project open house meeting, April 19, 2018
- 19<sup>th</sup> Street project open house meeting, Nov. 21, 2019
- On site meetings with adjacent property owners – Nov. 2019-Jan. 2020

The project utilized several communications tools to inform the area residents and 19<sup>th</sup> St travelers of the project including roadway signage, postcard mailings, social media, project email group and webpage.

In November 2019, the five conceptual design alternatives for the 19th Street project were shared with the community at a Nov 19, 2019 open house meeting with 78 people in attendance, and on the project webpage. Community feedback was requested on the preferred conceptual design alternative and reasons for preference. Both the meeting comment forms, and the online comment forms more often expressed a preference for Alternative 4. Meeting participants indicated that they prefer Alternative 4 for the buffered bike facility providing more protection or buffer for bicyclists but still safe for pedestrians, the sidewalks and bike lane widths being sufficient, that the sidewalk wouldn't be as wide as a multi-use path and allows space for landscaping and impacts less land and trees. Online respondents indicated that their reasons for that preference being the feature of a buffered bike lane and more separation from cars, closest design to a protected bike lane, vehicle lanes being more narrow, dedicated spaces for each travel mode, family friendly, encourages walking and biking and majority of roadway space is for walking and biking over driving. Appendix B includes a summary of the most recent community feedback on preferred conceptual alternative.

## **6. Staff project manager:**

*Staff project manager*

Lindsay Merz, Public Works-Transportation Division, 303-441-1983

[merzlj@bouldercolorado.gov](mailto:merzlj@bouldercolorado.gov)

*Project Planner*

Noreen Walsh, Public Works-Transportation Division, 303-441-4301

[walshn@bouldercolorado.gov](mailto:walshn@bouldercolorado.gov)

*Project Team:*

Representatives from Public Works Utilities and Transportation Divisions as well as Parks and Recreation-Forestry staff participated on the project team.

**Other consultants or relevant contacts:**

*Civil Engineering and Design*

*Project Manager*

Atkins Global

Heather Thomas

[Heather.Thomas@atkinsglobal.com](mailto:Heather.Thomas@atkinsglobal.com)

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**Goals Assessment:**

1. Using the BVCP and department master plans, describe the primary city goals and benefits that the project will help to achieve:
  - a. Community Sustainability Goals – How does the project improve the quality of economic, environmental and social health with future generations in mind?

The Boulder Valley Comprehensive Plan (BVCP) and Transportation Master Plan (TMP), which is a sub-plan of the BVCP, call for a multimodal transportation system with accessible and safe travel options and connections. The recommended alternative 4 supports these plans' goals by improving travel comfort and safety for pedestrians and bicyclists and providing sidewalks and bike lanes that appeal to a wider range of ages and abilities, meeting current pedestrian and bicycle facility guidelines, and complying with Americans with Disabilities Act requirements.

The project helps the city achieve its economic goals by improving walking and bicycling for visitors, employees, students and residents traveling through the area by providing connections to neighborhoods, local schools (Centennial Middle School, Crestview Elementary School, Tara Performing Arts High School, and Boulder Waldorf Kindergarten), local transit stops and recreational routes. Additionally, the project supports the city's economic goals through the provision of and investment in infrastructure that attracts, sustains and retains businesses and entrepreneurs.

Improving the pedestrian and bicycle facilities within the project section of 19<sup>th</sup> Street could cause a shift in single-occupant vehicle use thus reducing the use of non-renewable energy resources and greenhouse gas emissions and may create movement towards the modal shift goals identified in the TMP.

The project will also seek opportunities through landscaping restoration to mitigate impacts from construction to the riparian habitat, vegetative structure and quality of the habitat along Wonderland Creek.

The project will also make water quality improvements, incorporating either a water

quality manhole or storm water landscape planters, to improve storm water outfalls, sediment collection and removal and non-point source pollution filtering. These would help the city achieve its environmental goals.

This project helps the city achieve its social sustainability goals by improving the transportation options for all members of the community.

b. BVCP Goals related to:

### **Intergovernmental Cooperation & Growth Management**

The 19<sup>th</sup> Street project team has collaborated with the Boulder Valley School District to identify and address issues of shared concern for students walking and biking within the project section of 19<sup>th</sup> Street, in support of the ***BVCP Policy 1.01, Regional & Statewide Cooperation***.

The project will install storm sewer, from Sumac to Wonderland Creek, to reduce flooding at 19<sup>th</sup> and Sumac and remove storm water from existing irrigation ditches: the sewer will be sized to receive planned future expansions to the north and west. Runoff from 19<sup>th</sup> Street, to the east and west, will be minimized by routing flow to Wonderland Creek. The project will make water quality improvements, incorporating either a water quality manhole or storm water landscape planters, to improve storm water outfalls, sediment collection and removal and non-point source pollution filtering. These elements of the project will be completed in support of ***BVCP Policy 1.27 Utility Provision to Implement Community Goals***.

### **Built Environment**

The 19<sup>th</sup> Street project alternatives were evaluated, and the recommended alternative 4 was selected, in consideration of the ***BVCP Policy 2.01 Unique Community Identity***, and secondarily, ***BVCP Policy 2.09, Neighborhoods as Building Blocks***, also expressed by the public as the “rural” character of the project section of 19<sup>th</sup> Street.

The ***BVCP Policy 2.23, Boulder Creek, Tributaries & Ditches as Important Urban Design Features*** guided the project in its approach to the proposed improvements to storm water drainage (to Wonderland Creek) and to the existing irrigation ditches. The recommended alternative 4 was evaluated for its impact on making the project section of 19<sup>th</sup> Street walkable and accessible in support of ***BVCP Policy 2.24, Commitment to a Walkable & Accessible City***. The CEAP evaluation factors provided evaluation of the project alternatives and selection of the preferred alternative in consideration of ***BVCP Policy 2.37, Environmentally Sensitive Urban Design***. The project alternatives and the impacts to existing trees and vegetation, and the potential for replanting, were evaluated in consideration of ***BVCP Policy 2.38, Importance of Urban Canopy, Street Trees & Streetscapes***. Due to the street tree inventory being in poor condition and including non-native trees there are at least 294 trees being removed to address condition and overgrowth and to provide space for the facilities. It is estimated that another 6 trees will be removed with the recommended alternative 4. As a result, the project will provide attractive, healthy street trees and streetscapes through replanting efforts. The project team, in working within the public right-of-way and in working with adjacent property

owners, will see to achieve ***BVCP 2.40 Design Excellence for Public Projects***.

### **Natural Environment**

Impacts to wetlands by the recommended alternative 4 will be mitigated as required by permitting and ***BVCP Policy 3.06 Wetland & Riparian Protection***. The recommended alternative 4 will impact the urban canopy through removal of trees and vegetation. Most of the trees to be removed are volunteer trees that have grown within the unpaved right-of-way where the project sidewalk will be constructed and are considered undesirable (mainly Siberian elm and green ash). Many of these trees are in poor condition due to lack of irrigation, lack of regular maintenance and from powerline clearance pruning or infested with the Emerald Ash Borer disease. The recommended alternative 4 provides opportunities to plant between 20 and 25 trees and flexibility to construct and meander attached or detached sidewalk and maximize the landscape width to support tree re-plantings. These support ***BVCP Policies 3.11 Urban Environmental Quality*** and ***3.12 Urban Forests***. The storm sewer drainage improvements and improvements to the existing irrigation ditches described in Intergovernmental Cooperation & Growth Management, also support ***BVCP Policy 3.30, Surface & Groundwater***. The preferred alternative will improve the pedestrian and bicycle facilities within the project section of 19<sup>th</sup> Street and could cause a shift in single-occupant vehicle use which would be in support of ***BVCP Policy 3.32, Protection of Air Quality***.

### **Energy, Climate & Waste**

The recommended alternative 4 will improve the pedestrian and bicycle facilities within the project section of 19<sup>th</sup> Street and could cause a shift in single-occupant vehicle use which would be in support of ***BVCP Policy 4.01, Climate Action: Reduce Greenhouse Gas Emissions*** and ***BVCP Policy 4.05 Clean Mobility***.

### **Economy**

The recommended alternative 4 will improve the pedestrian and bicycle facilities within the project section of 19<sup>th</sup> Street and could cause a shift in single-occupant vehicle use which would be in support of ***BVCP Policy 5.08, Funding City Services & Urban Infrastructure***.

### **Transportation**

The recommended alternative 4 supports an all-mode transportation system by providing complete walking and biking facilities for a wide range of ages and abilities which support movement between and within the north Boulder neighborhood and residential areas. Project construction will reduce the barrier-effect of 19<sup>th</sup> Street through construction of enhanced crossings and speed mitigation, where evaluation according to adopted city guidelines deems it appropriate, and by providing accessible, convenient and pleasant ways to get around on foot, by bike, and by local transit service. These are in support of ***BVCP Policy 6.01 All-Mode Transportation System & Complete Streets***, ***BVCP Policy 6.03 Reduction of Single Occupancy Auto Trips***, ***BVCP Policy 6.06, Accessibility and Mobility for All***, ***BVCP Policy 6.07, Transportation Safety***, ***BVCP Policy 6.16, Transportation Facilities in Neighborhoods***, ***BVCP Policy 6.17, Transportation Infrastructure to Support Walkable 15-Minute Neighborhoods***, ***BVCP Policy 6.20, Improving Air Quality & Reducing Greenhouse Gas Emissions*** and ***BVCP***

**Policy 6.22, Emergency Response Access.** The recommended alternative 4 will also complete sections of sidewalk previously identified as a missing link and prioritized for completion, which supports the ***BVCP Policy 6.15 Complete Missing Links***.

### **Housing**

The recommended alternative 4 will provide a more accessible, convenient, pleasant and safer travel on the project section of 19<sup>th</sup> Street and may reduce the barrier of crossing 19<sup>th</sup> Street for residents of nearby neighborhoods and students of nearby schools. This may increase the use of bicycling and walking, potentially decreasing household transportation costs, which would support the ***BVCP Policy for Supporting Community Housing Needs***.

### **Community Well-Being & Safety**

The recommended alternative 4 is designed to be welcoming, accessible, comfortable, clean and safe, and encourage use and participation by all age groups and income levels. This supports the social health of the community through encouraging culturally and socially diverse communities to both prosper within and connect to the larger community. The project will also support community health by encouraging physical activity through provision of easy and safe pedestrian, bicycle and transit facilities to connect to activity centers and to where people live, work and attend school. This supports the ***BVCP Policy 8.07, Safety; BVCP Policy 8.08, Health & Well-Being; and BVCP Policy 8.12, Accessibility to Schools***.

### **Agriculture & Food**

The recommended alternative 4 will implement improvements to the existing irrigation ditches, which supports ***BVCP Policy 9.01 Support for Agriculture***.

### **Local Governance & Community Engagement**

The project team is following the city's Community Engagement Framework, which includes the 9 steps to community engagement—which ensures the project's public engagement is addressing each step. The community engagement plan developed for this project has a Consult and Involve commitment as defined by the Framework. Those levels of public participation have the goals of providing the public with information about the project problem, alternatives, opportunities and solutions and for obtaining community feedback on the alternatives, evaluation of the alternatives and project decisions.

The project team has utilized multiple engagement tools including community meetings; site walks; in-person and online comment forms; city and transportation division email, social media (Nextdoor), newsletter and project webpage communications; stakeholder meetings and newsletters, and variable message signs within the project area. These efforts support the ***BVCP Policy 10.01, High-Performing Government; BVCP Policy 10.02 Community Engagement; BVCP Policy 10.04, Informed Community; and BVCP Policy 10.06, Youth Engagement***.

- c. Describe any regional goals (potential benefits or impacts to regional systems or plans?)      The project does not impact any regional systems, plan or goals.

1. Is this project referenced in a master plan, sub community or area plan? If so, what is the context in terms of goals, objectives, larger system plans, etc.? If not, why not?

The 19<sup>th</sup> Street project elements of sidewalks and on-street bike lanes, preferably buffered bike lanes, are identified in the Transportation Master Plan Low Stress Walk and Bike Network Plan and the Missing Sidewalk Links Program. This project is mentioned in a sub-community plan, the North Boulder Sub-Community Action Plan. That plan states goals for the improvements of the project, specifically, to reduce traffic speed, improve pedestrian safety crossings near school routes, and add continuous detached walks along both sides of 19<sup>th</sup> Street.

2. Will this project be in conflict with the goals or policies in any departmental master plan and what are the trade-offs among city policies and goals in the proposed project alternative? (e.g. higher financial investment to gain better long-term services or fewer environmental impacts)

The City of Boulder's Urban Forest Strategic Plan has a goal of no-net-loss in overall tree canopy by 2037 and actions to achieve that goal of new plantings, species diversity, monitoring and protecting existing canopy. This project intends to support this goal by planting trees in the landscaping opportunity areas, but it will not be able to replant the same number of trees that are being removed. Additional opportunities to preserve trees will be sought during final design such as attaching the sidewalk and keeping a tree in good condition in place. The project will also seek to replant as many trees as possible through working with private property owners and maximizing the landscape detachment width.

3. List other city projects in the project area that are listed in a departmental master plan or the CIP.

The Fourmile Canyon Creek Greenways Improvements project, which includes a bicycle/pedestrian underpass at 19<sup>th</sup> Street provides safer access to Crest View Elementary School for pedestrians and bicyclists. Final design for the Fourmile project is anticipated to be completed in 2020/2021, with a 2-year construction period to follow. The Fourmile Canyon Creek project will cross 19<sup>th</sup> Street just north of Sumac Avenue. The 19<sup>th</sup> Street project will coordinate closely with the Fourmile project. The 19<sup>th</sup> Street recommended alternative 4 will be constructed to tie into the Fourmile project improvements on the east side of 19<sup>th</sup> Street.

The Transportation Division is studying Sumac Avenue from Broadway to 19<sup>th</sup> Street to address various infrastructure needs, including continuous sidewalks, pavement rehabilitation and storm drainage improvements. Construction is anticipated to occur in the next five years. The 19<sup>th</sup> Street project will coordinate with the Sumac Avenue study team as needed.

4. What are the major city, state, and federal standards that will apply to the proposed project? How will the project exceed city, state, or federal standards and regulations (e.g. environmental, health, safety, or transportation standards)?

Recommended alternative 4 will design and construct sidewalks meeting the city's Design and Construction standards for path width and slope and meet the city and national standards for the development of bikeway facilities.

The following is a list of city and national standards and guidelines that apply to the proposed project:

- CDOT Standard Specifications for Road & Bridge Construction 2019
- CDOT M&S Construction Standards
- FHWA Manual on Uniform Traffic Control Devices (MUTCD)
- Americans with Disabilities Act design guidelines
- City of Boulder Design and Construction Standards
- City of Boulder Floodplain regulations
- AASHTO Guide for the Planning, Design and Operation of Pedestrian Facilities
- AASHTO Guide for the Development of Bicycle Facilities
- NACTO Urban Bikeway Design Guide
- City of Boulder Streams, Wetlands and Water Body Protection regulations
- Urban Drainage and Flood Control District standards
- All required city, state and federal permits

5. Are there cumulative impacts to any resources from this and other projects that need to be recognized and mitigated?

There are no cumulative impacts identified at this time.

## **Impact Assessment:**

1. Using the attached checklist, identify the potential short or long-term impacts of the project alternatives.

Use +, - or 0 in the checklist table to indicate impacts, benefits and no changes for each alternative.

+ indicates a positive effect or improved condition

- indicates a negative effect or impact

0 indicates no effect

Categories on the Checklist Table indicating positive or negative impacts (+ or -) should answer the Checklist Questions following the table in full.

City Of Boulder  
Community and Environmental Assessment Process

**Checklist**

- + Positive effect
- Negative effect
- 0 No effect

<b>Project Title: 19<sup>th</sup> Street Multimodal Improvements Project, Norwood to Sumac Avenues</b>	<b>Alternative 1</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternative 4</b>	<b>Alternative 5</b>
<b>A. Natural Areas or Features</b>					
1. Disturbance to species, communities, habitat, or ecosystems due to:					
a. Construction activities	-	-	-	-	-
b. Native vegetation removal	-	-	-	-	-
c. Human or domestic animal encroachment	0	0	0	0	0
d. Chemicals (including petroleum products, fertilizers, pesticides, herbicides)	0	0	0	0	0
e. Behavioral displacement of wildlife species (due to noise from use activities)	0	0	0	0	0
f. Habitat removal	0	0	0	0	0
g. Introduction of non-native plant species in the site landscaping	0	0	0	0	0
h. Changes to groundwater or surface runoff	+	+	+	+	+
i. Wind erosion	0	0	0	0	0
2. Loss of mature trees or significant plants?	-	-	-	-	-
<b>B. Riparian Areas/Floodplains</b>					
1. Encroachment upon the 100-year, conveyance or high hazard flood zones?	0	0	0	0	0
2. Disturbance to or fragmentation of a riparian corridor?	-	-	-	-	-
<b>C. Wetlands</b>					
1. Disturbance to or loss of a wetland on site?	0	0	0	0	0
<b>D. Geology and Soils</b>					
1. a. Impacts to unique geologic or physical features?	0	0	0	0	0
b. Geologic development constraints?	0	0	0	0	0

<b>Project Title: 19<sup>th</sup> Street Multimodal Improvements Project, Norwood to Sumac Avenues</b>		<b>Alternative 1</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternative 4</b>	<b>Alternative 5</b>
	<b>c. Substantial changes in topography?</b>	0	0	0	0	0
	<b>d. Changes in soil or fill material on the site?</b>	0	0	0	0	0
	<b>e. Phasing of earth work?</b>	0	0	0	0	0
<b>E. Water Quality</b>						
	<b>1. Impacts to water quality from any of the following?</b>					
activities	<b>a. Clearing, excavation, grading or other construction</b>	0	0	0	0	0
	<b>b. Change in hardscape</b>	-	-	-	-	-
	<b>c. Change in site ground features</b>	-	-	-	-	-
	<b>d. Change in storm drainage</b>	+	+	+	+	+
	<b>e. Change in vegetation</b>	-	-	-	-	-
	<b>f. Change in pedestrian and vehicle traffic</b>	0	0	0	0	0
	<b>g. Pollutants</b>	0	0	0	0	0
	<b>2. Exposure of groundwater contamination from excavation or pumping?</b>	0	0	0	0	0
<b>F. Air Quality</b>						
	<b>1. Short or long term impacts to air quality (CO2 emissions, pollutants)?</b>					
	<b>a. From mobile sources?</b>	+	+	+	+	+
	<b>b. From stationary sources?</b>	0	0	0	0	0
<b>G. Resource Conservation</b>						
	<b>1. Changes in water use?</b>	0	0	0	0	0
	<b>2. Increases or decreases in energy use?</b>	0	0	0	0	0
	<b>3. Generation of excess waste?</b>	0	0	0	0	0
<b>H. Cultural/Historic Resources</b>						
	<b>1. a. Impacts to a prehistoric or archaeological site?</b>	0	0	0	0	0
	<b>b. Impacts to a building or structure over fifty years of age?</b>	0	0	0	0	0
	<b>c. Impacts to a historic feature of the site?</b>	0	0	0	0	0

<b>Project Title: 19<sup>th</sup> Street Multimodal Improvements Project, Norwood to Sumac Avenues</b>		<b>Alternative 1</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternative 4</b>	<b>Alternative 5</b>
d. Impacts to significant agricultural land?		0	0	0	0	0
<b>I. Visual Quality</b>						
1. a. Effects on scenic vistas or public views?		0	0	0	0	0
b. Effects on the aesthetics of a site open to public view?		0	0	0	0	0
c. Effects on views to unique geologic or physical features?		0	0	0	0	0
d. Changes in lighting?		0	0	0	0	0
<b>J. Safety</b>						
1. Health hazards, odors, or radon?		0	0	0	0	0
2. Disposal of hazardous materials?		0	0	0	0	0
3. Site hazards?		0	0	0	0	0
<b>K. Physiological Well-being</b>						
1. Exposure to excessive noise?		0	0	0	0	0
2. Excessive light or glare?		0	0	0	0	0
3. Increase in vibrations?		0	0	0	0	0
<b>L. Services</b>						
1. Additional need for:						
a. Water or sanitary sewer services?		0	0	0	0	0
b. Storm sewer/Flood control features?		+	+	+	+	+
c. Maintenance of pipes, culverts and manholes?		-	-	-	-	-
d. Police services?		0	0	0	0	0
e. Fire protection services?		0	0	0	0	0
f. Recreation or parks facilities?		0	0	0	0	0
g. Library services?		0	0	0	0	0
h. Transportation improvements/traffic mitigation?		+	+	+	+	+
i. Parking?		-	-	-	-	-
j. Affordable housing?		0	0	0	0	0
k. Open space/urban open land?		0	0	0	0	0

<b>Project Title: 19<sup>th</sup> Street Multimodal Improvements Project, Norwood to Sumac Avenues</b>	<b>Alternative 1</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternative 4</b>	<b>Alternative 5</b>
<b>l. Power or energy use?</b>	0	0	0	0	0
<b>m. Telecommunications?</b>	0	0	0	0	0
<b>n. Health care/social services?</b>	0	0	0	0	0
<b>o. Trash removal or recycling services?</b>	0	0	0	0	0
<b>M. Special Populations</b>					
<b>1. Effects on:</b>					
<b>a. Persons with disabilities?</b>	+	+	+	+	+
<b>b. Senior population?</b>	+	+	+	+	+
<b>c. Children or youth?</b>	+	+	+	+	+
<b>d. Restricted income persons?</b>	+	+	+	+	+
<b>e. People of diverse backgrounds (including Latino and other immigrants)?</b>	+	+	+	+	+
<b>f. Neighborhoods</b>	0	0	0	0	0
<b>g. Sensitive populations located near the project (e.g. schools, hospitals, nursing homes)?</b>	+	+	+	+	+
<b>N. Economy</b>					
<b>1. Utilization of existing infrastructure?</b>	0	0	0	0	0
<b>2. Effect on operating expenses?</b>	0	0	0	0	0
<b>3. Effect on economic activity?</b>	0	0	0	0	0
<b>4. Impacts to businesses, employment, retail sales or city revenue?</b>	0	0	0	0	0

# City of Boulder

## Community and Environmental Assessment Process

### Checklist Questions

*Note: The following questions are a supplement to the CEAP checklist. Only those questions indicated on the checklist are to be answered in full.*

#### **A. Natural Areas and Features**

1. Describe the potential for disturbance to or loss of significant: species, plant communities, wildlife habitats, or ecosystems via any of the activities listed below. (Significant species include any species listed or proposed to be listed as rare, threatened or endangered on federal, state, county lists.)
  - a. Construction activities
  - b. Native Vegetation removal
  - c. Human or domestic animal encroachment
  - d. Chemicals to be stored or used on the site (including petroleum products, fertilizers, pesticides, herbicides)
  - e. Behavioral displacement of wildlife species (due to noise from use activities)
  - f. Habitat Removal
  - g. Introduction of non-native plant species in the site landscaping
  - h. Changes to groundwater (including installation of sump pumps) or surface runoff (storm drainage, natural stream) on the site
  - i. Potential for discharge of sediment to any body of water either short term (construction-related) or long term
  - j. Potential for wind erosion and transport of dust and sediment from the site

*Construction activities for any alternative would remove native vegetation and trees, some of which may provide habitat. The value of protecting spaces and structure such as trees for urban wildlife is often not because of species rarity, but more because of their ability to persist in fairly close association with humans which allows people to experience and enjoy them. The impact to habitat for these species, be it migratory birds, roosting raptors, or mammals or varying size (such as deer, fox, raccoons and rabbits) will likely not result in eliminating the species, but instead reduce the overall habitat mosaic the urban environment offers.*

*The proposed mitigation is to plant replacement landscaping where space allows. New trees will also be planted where space allows although it will not result in a 1:1 replacement due to space constraints. The activities would not disturb significant, rare, threatened or endangered species.*

*All alternatives would provide improvements to surface runoff through storm sewer drainage and irrigation ditch improvements*

2. Describe the potential for disturbance to or loss of mature trees or significant plants.

**If potential impacts have been identified, please provide any of the following information that is relevant to the project:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts.
- A habitat assessment of the site, including: 1. a list of plant and animal species and plant communities of special concern found on the site; 2. a wildlife habitat evaluation of the site.
- Maps of the site showing the location of any Boulder Valley Natural Ecosystem, Boulder County Environmental Conservation Area, or critical wildlife habitat.

*The city’s Forestry staff conducted a tree condition assessment to analyze the tree resources in the project area and provide recommendations to the project team for preservation, transplant or removal. Each design alternative will require the same amount of tree removals, 294 trees, due to the street tree inventory being in poor condition from the presence of volunteer, unhealthy, structurally unsound, or otherwise undesirable tree species. This project will help to clean up rows of undesirable tree species, some of which are not in the footprint of the proposed sidewalk. Species include mainly Siberian elm and green ash. Siberian elms are undesirable because they have poor branching structure and are prone to storm damage. Ash are undesirable because they are susceptible to EAB (emerald ash borer), a fatal insect pest specific to ash trees. The tables below provide a summary of the condition and removal information. The tree inventory is included in Appendix C.*

<b>19<sup>th</sup> Street Tree Inventory Summary</b>	<b>Number of Trees</b>	<b>Notes</b>
Total Trees in Project Area	339	280 of these trees are volunteer/undesirable tree species (27 Green Ash, 252 Siberian Elm, 1 Russian Olive)
Trees Identified for removal regardless of alternative	294	Of these, 83 are larger than 6-inch diameter and 211 measure less than 6 inches in diameter; 39 trees are dead, 52 are in poor and very poor condition and 14 conflict with existing overhead utilities.
Trees identified as Transplant	20	
Trees identified as Preserve	25	

	<b>Total Trees to be Removed</b>	<b>Notes</b>
Alternative 1	297	Includes the base number of 294 plus 3 additional trees to be removed or transplanted
Alternative 2	323	Includes the base number of 294 plus 29 additional trees to be removed or transplanted
Alternative 3	323	Includes the base number of 294 plus 29 additional trees to be removed or transplanted
Alternative 4	300	Includes the base number of 294 plus 6 additional trees to be removed or transplanted
Alternative 5	324	Includes the base number of 294 plus 30 additional trees to be removed or transplanted



**Figure 1: Volunteer trees along 19th Street**

*Additional opportunities to preserve trees will be sought during final design such as attaching the sidewalk and keeping a tree in good condition in place. Trees marked for preservation or transplant in the tree inventory will be transplanted to other areas of the city with adjacent property owner approval. The project will seek to replant as many*

trees as possible through working with private property owners and maximizing the landscape detachment width, where possible as the recommended detached landscaping width of 8 feet is not available in any of the alternatives. The project will not be able to replant the same number of trees as are to be removed.

**B. Riparian Areas and Floodplains**

1. Describe the extent to which the project will encroach upon the 100-year, conveyance or high hazard flood zones.
2. Describe the extent to which the project will encroach upon, disturb, or fragment a riparian corridor: (This includes impacts to the existing channel of flow, streambanks, adjacent riparian zone extending 50 ft. out from each bank, and any existing drainage from the site to a creek or stream.)

**If potential impacts have been identified, please provide any of the following information that is relevant to the project:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts to habitat, vegetation, aquatic life, or water quality.
- A map showing the location of any streams, ditches and other water bodies on or near the project site.
- A map showing the location of the 100-year flood, conveyance, and high hazard flood zones relative to the project site.

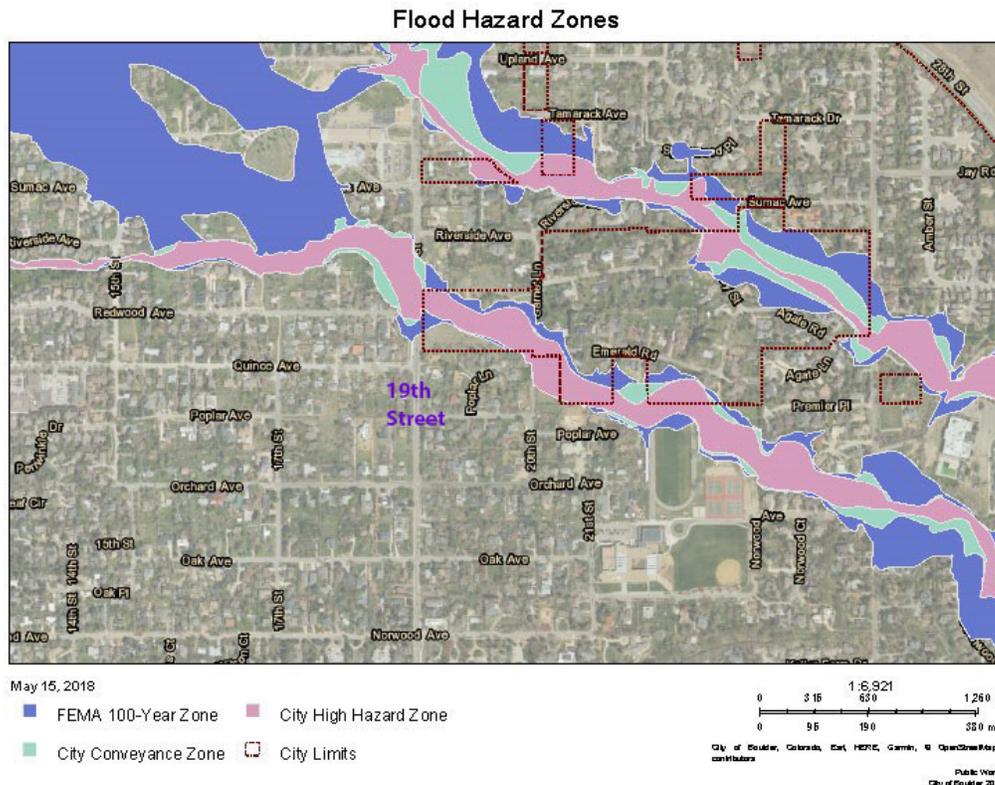


Figure 2: Floodplain Map of the Project Area

*All alternatives are within the 100-year flood, conveyance, and high hazard zone of Wonderland Creek and would require a City of Boulder Floodplain Development Permit, which will be obtained prior to construction. The project will replace the existing culvert with a 24-foot wide by 4-foot high concrete box culvert and the configuration of the sidewalks will need to be no wider than 5-foot wide attached walks in the floodplain area.*

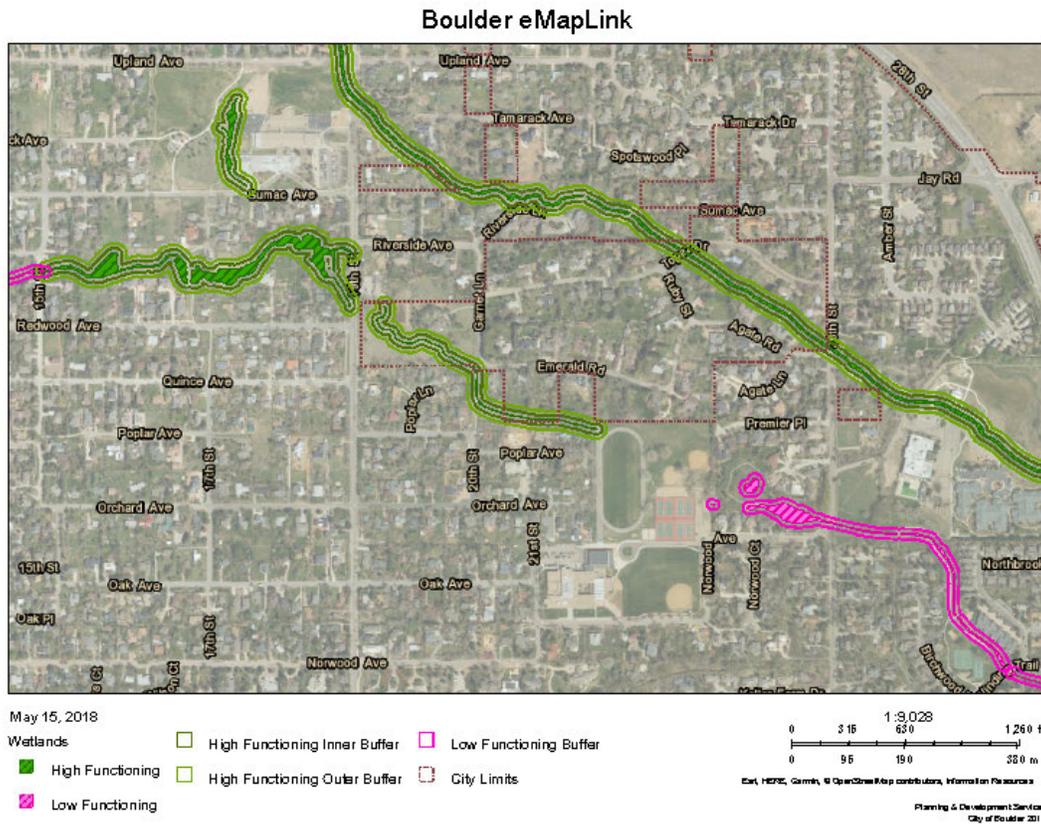
*A Federal Emergency Management Agency Letter of Map Revision (LOMR) may be needed at Wonderland Creek as the upsizing of the culvert may cause a lowering of the base flood elevation.*

**C. Wetlands**

1. Describe any disturbance to or loss of a wetland on site that may result from the project.

**If potential impacts have been identified, please provide any of the following information that is relevant to the project:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts.
- A map showing the location of any wetlands on or near the site. Identify both those wetlands and buffer areas which are jurisdictional under city code (on the wetlands map in our ordinance) and other wetlands pursuant to federal criteria (definitional).



**Figure 3: Wetland Map of the Project Area**

*Where wetlands are impacted by the recommended alternative 4, mitigation will be completed in compliance with the Section 404 and city wetland permit requirements. These are wetlands under jurisdiction of the City of Boulder and the project will restore impacted areas to pre-existing or better conditions as required by any permitting.*

#### **D. Geology and Soils**

1. Describe any:

- a. impacts to unique geologic or physical features;
- b. geologic development constraints or effects to earth conditions or landslide, erosion, or subsidence;
- c. substantial changes in topography; or
- d. changes in soil or fill material on the site that may result from the project.

**If potential impacts have been identified, please provide the following:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts.
- A map showing the location of any unique geologic or physical features, or hazardous soil or geologic conditions on the site.

#### **E. Water Quality**

1. Describe any impacts to water quality that may result from any of the following:

- a. Clearing, excavation, grading or other construction activities that will be involved with the project;
- b. Changes in the amount of hardscape (paving, cement, brick, or buildings) in the project area;
- c. Permanent changes in site ground features such as paved areas or changes in topography;
- d. Changes in the storm drainage from the site after project completion;
- e. Change in vegetation;
- f. Change in pedestrian and vehicle traffic;
- g. Potential pollution sources during and after construction (may include temporary or permanent use or storage of petroleum products, fertilizers, pesticides, or herbicides).

*All alternatives would increase the hardscape within the project area and will make permanent changes to the site ground features through construction of new concrete sidewalk where none exist today and through re-construction and widening of existing sidewalk.*

*All alternatives would improve storm drainage through construction of a new storm system from Sumac Avenue to Wonderland Creek.*

*The project will disturb more than 1 acre of land. Under state and local requirements this disturbance makes storm water quality improvements mandatory. Additionally, the necessary tree and vegetation removals may have negative water quality affects which will need to be mitigated through incorporation of water quality features and re-*

*plantings. The city will utilize the Green Storm Water Infrastructure Strategic Plan that will help select water quality infrastructure for this project. Potential water quality improvements include water quality manhole or storm water landscape planters.*

2. Describe any pumping of groundwater that may be anticipated either during construction or as a result of the project. If excavation or pumping is planned, what is known about groundwater contamination in the surrounding area (1/4 mile in all directions from the project) and the direction of groundwater flow?

**If potential impacts have been identified, please provide any of the following that is relevant to the project:**

- A description of how the proposed project would avoid, minimize, or mitigate impacts to water quality.
- Information from city water quality files and other sources (state oil inspector or the CDPHE) on sites with soil and groundwater impacts within 1/4-mile radius of project or site.
- If impacts to site are possible, either from past activities at site or from adjacent sites, perform a Phase I Environmental Impact Assessment prior to further design of the project.
- Groundwater levels from borings or temporary piezometers prior to proposed dewatering or installation of drainage structures.

*Project construction will require clearing, excavation and grading. During construction a portion of the groundwater or surface water runoff will be treated by installing Best Management Practices (BMPs) according to the Colorado Storm Water Discharge Permit.*

#### **F. Air Quality**

1. Describe potential short or long term impacts to air quality resulting from this project. Distinguish between impacts from mobile sources (VMT/trips) and stationary sources (APEN, HAPS).

*All alternatives would require construction activities. The general types of construction and construction elements would be similar for each alternative. Emissions from construction equipment would have a short-term effect on air quality during construction. The effects of the emissions would be negligible because of the small number of short-term emission sources. The manufacture and use of construction materials can produce short-term impacts to air quality at the manufacture or construction site. These potential impacts are similar for all alternatives. The long-term impacts to mobile source air quality for all alternatives has potential to be positive from a reduction in single occupancy vehicles due to an increase in walking, biking and using transit.*

#### **G. Resource Conservation**

1. Describe potential changes in water use that may result from the project.
  - a. Estimate the indoor, outdoor (irrigation) and total daily water use for the facility.

- b. Describe plans for minimizing water use on the site (Xeriscape landscaping, efficient irrigation system).
2. Describe potential increases or decreases in energy use that may result from the project.
  - a. Describe plans for minimizing energy use on the project or how energy conservation measures will be incorporated into the building design.
  - b. Describe plans for using renewable energy sources on the project or how renewable energy sources will be incorporated into the building design?
  - c. Describe how the project will be built to LEED standards.
3. Describe the potential for excess waste generation resulting from the project. If potential impacts to waste generation have been identified, please describe plans for recycling and waste minimization (deconstruction, reuse, recycling, green points).

#### **H. Cultural/Historic Resources**

1. Describe any impacts to:
  - a. a prehistoric or historic archaeological site;
  - b. a building or structure over fifty years of age;
  - c. a historic feature of the site such as an irrigation ditch; or
  - d. significant agricultural lands
 that may result from the project.
 

**If potential impacts have been identified, please provide the following:**

  - A description of how the proposed project would avoid, minimize, or mitigate identified impacts.

#### **I. Visual Quality**

1. Describe any effects on:
  - a. scenic vistas or views open to the public;
  - b. the aesthetics of a site open to public view; or
  - c. view corridors from the site to unique geologic or physical features
 that may result from the project.

#### **J. Safety**

1. Describe any additional health hazards, odors, or exposure of people to radon that may result from the project.
2. Describe measures for the disposal of hazardous materials.
3. Describe any additional hazards that may result from the project. (Including risk of explosion or the release of hazardous substances such as oil, pesticides, chemicals or radiation)

**If potential impacts have been identified, please provide the following:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts during or after site construction through management of hazardous materials or application of safety precautions.

#### **K. Physiological Well-being**

1. Describe the potential for exposure of people to excessive noise, light or glare caused by any phase of the project (construction or operations).
2. Describe any increase in vibrations or odor that may result from the project.

#### **If potential impacts have been identified, please provide the following:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impacts.

#### **L. Services**

1. Describe any increased need for the following services as a result of the project:
  - a. Water or sanitary sewer services
  - b. Storm sewer / Flood control features
  - c. Maintenance of pipes, culverts and manholes
  - d. Police services
  - e. Fire protection
  - f. Recreation or parks facilities
  - g. Libraries
  - h. Transportation improvements/traffic mitigation
  - h. Parking
  - j. Affordable housing
  - k. Open space/urban open land
  - l. Power or energy use
  - m. Telecommunications
  - n. Health care/social services
  - o. Trash removal or recycling services
2. Describe any impacts to any of the above existing or planned city services or department master plans as a result of this project. (e.g. budget, available parking, planned use of the site, public access, automobile/pedestrian conflicts, views)

*All alternatives would improve irrigation ditch and storm water drainage and provide water quality features. The addition of the storm sewer system and water quality features will require ongoing maintenance, scheduling and funding.*

*Pedestrian, bike, and transit improvements and enhanced pedestrian crossings and speed mitigation will provide improved transportation services.*

*All alternatives would remove on-street parking when the bikeable shoulder is converted to a bike lane. City regulations prohibit on-street parking in a bike lane*

*when there is not sufficient right-of-way to provide both—which is the case in the project section of 19<sup>th</sup> Street.*

**M. Special Populations**

1. Describe any effects the project may have on the following special populations:
  - a. Persons with disabilities
  - b. Senior population
  - c. Children or Youth
  - d. Restricted income persons
  - e. People of diverse backgrounds (including Latino and other immigrants)
  - f. Neighborhoods
  - g. Sensitive Populations located near the project (e.g. adjacent neighborhoods or property owners, schools, hospitals, nursing homes)

**If potential impacts have been identified, please provide the following:**

- A description of how the proposed project would avoid, minimize, or mitigate identified impact.
- A description of how the proposed project would benefit special populations.

*All alternatives would improve transportation choices by constructing continuous, accessible, comfortable, and safe sidewalks, bike lanes and transit stops on both sides of 19th Street. These will encourage use and participation for those with mobility impairments, for all age groups and income levels, people of diverse backgrounds and students of nearby schools.*

*The recommended Alternative 4 includes walking and bicycling facilities designed to improve travel comfort and safety for a wider range of ages and abilities. This conceptual design alternative also minimizes the impact to the aesthetics/rural character and existing utilities of the project area by varying attached and detached sidewalks when needed to avoid removing desirable trees.*

**N. Economic Vitality**

1. Describe how the project will enhance economic activity in the city or region or generate economic opportunities?
2. Describe any potential impacts to:
  - a. businesses in the vicinity of the project (ROW, access or parking),
  - b. employment,
  - c. retail sales or city revenueand how they might be mitigated.

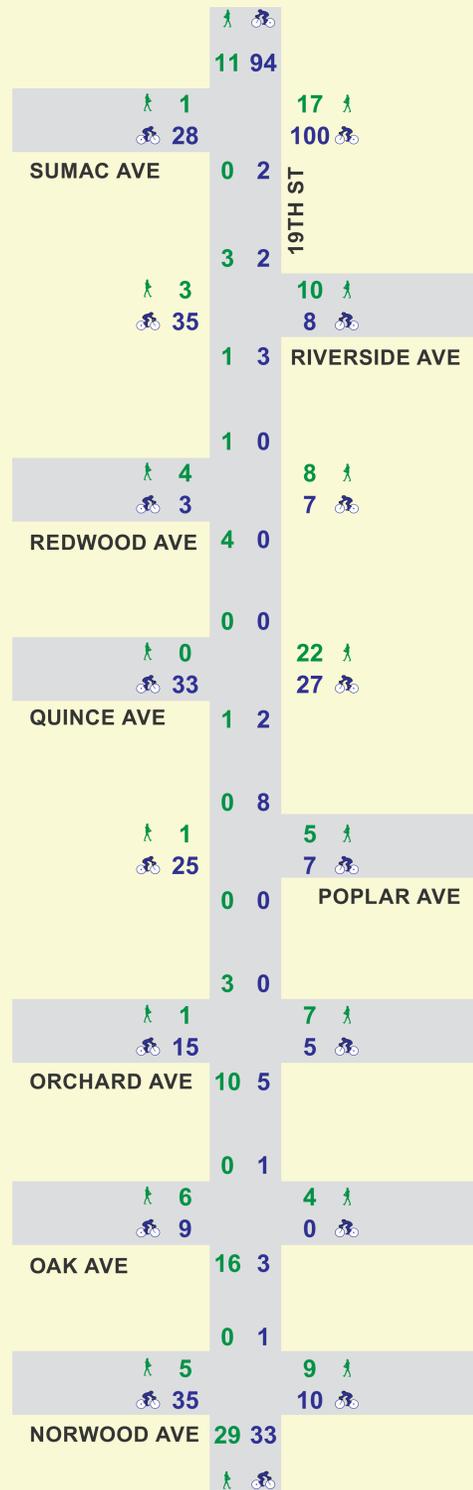
## **Appendix A – Pedestrian and Bicycle Count Information**

# 19th Street Multimodal Improvements

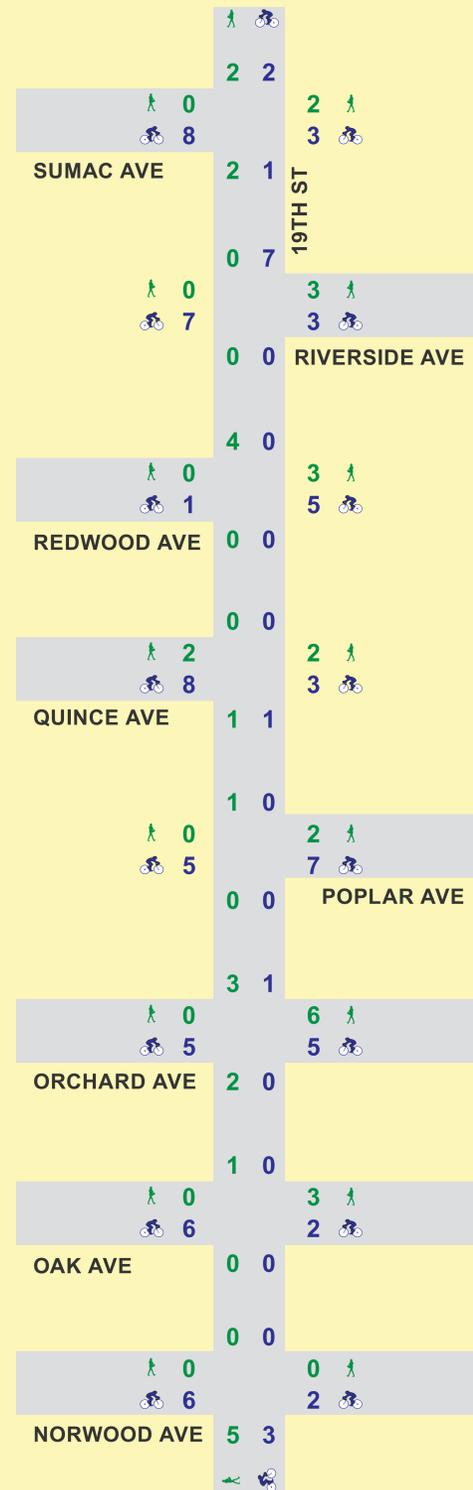
Construct Norwood to Sumac; Plan Sumac to Yarmouth

## Pedestrian and Bicycle Data Summary

7:30 TO 8:45 AM (1 HOUR)



12:00 TO 1:00 PM (1 HOUR)



2:15 TO 4:30 PM (1 HOUR)



4:30 TO 5:30 PM (1 HOUR)



XX Pedestrian Crossing Counts  
 XX Bicycle Crossing Counts



## **Appendix B**

### **Summary of meeting and online feedback on preferred conceptual design alternative**

## 19<sup>th</sup> Street Community feedback on preferred alternative and reasons for preference

In November 2019, the 5 conceptual design alternatives for the 19th Street project were shared with the community at a Nov 19, 2019 open house meeting with 78 people in attendance, and on the project webpage. Community feedback was requested on the preferred conceptual design alternative and reasons for preference. Both the meeting comment forms and the online comment forms more often expressed a preference for Alternative 4.

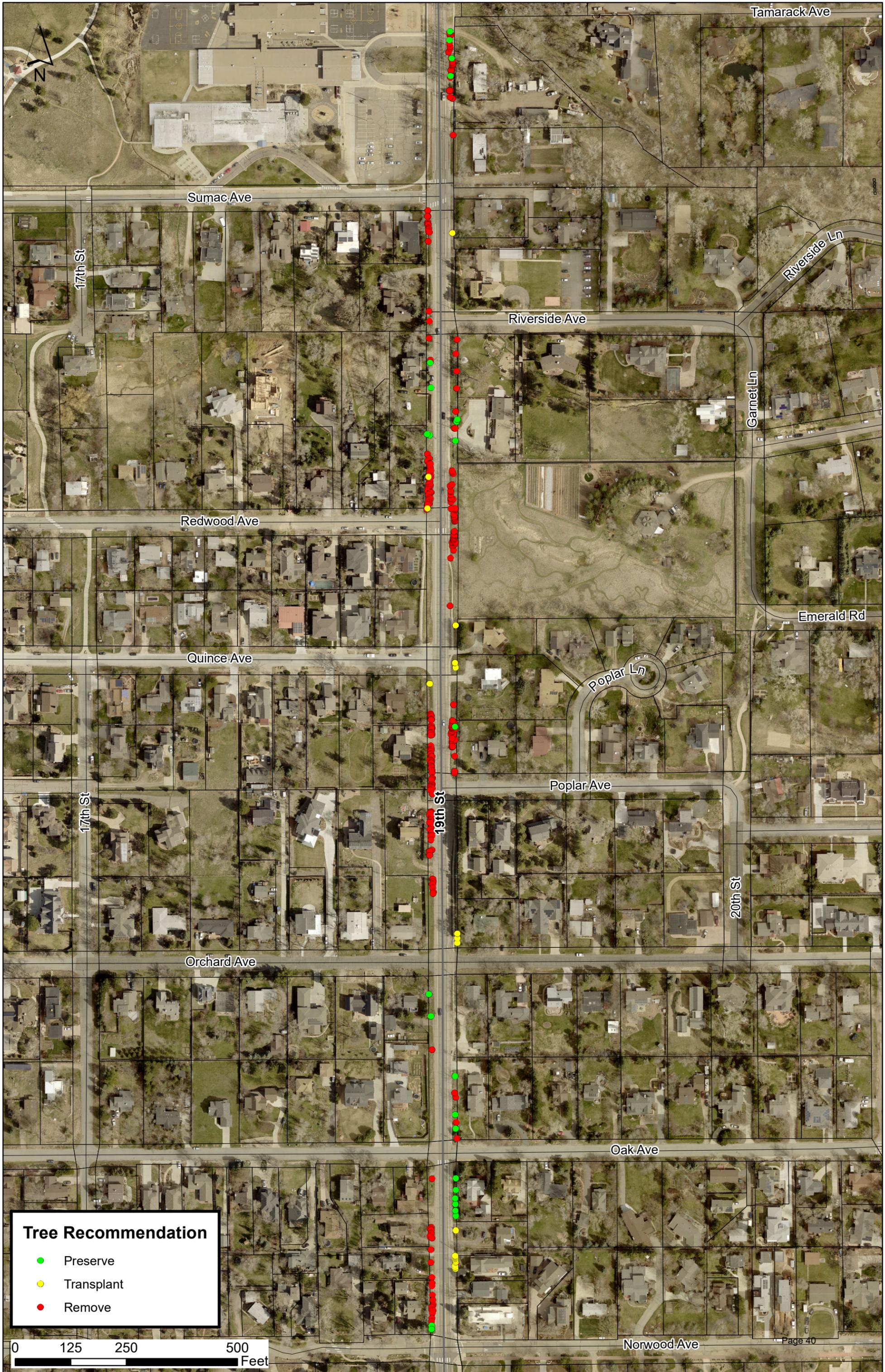
Nov. 21 Open house meeting feedback included 40 completed comment forms. Of those total 40 responses 15 preferred Alternative 4 which includes a combination of detached and attached sidewalks and buffered bike lanes. There were 11 respondents who preferred Option 5 “Multi-use path on the east side and on-street bike lanes and Attached sidewalk on the west side and buffered bike lanes on the south side”. The remaining 14 responses were split between Alternatives 1, 2 and 3 (6 responses, 3 and 5 respectively). Overall most respondents preferred options with sidewalks on both sides as well as the on-street bike facilities.

- For those persons that preferred Alternative 4 “Detached and Attached Sidewalks and Buffered Bike Lanes”, the reasons for that preference included the bike facility being a buffered facility, providing more protection or buffer for bicyclists but still safe for pedestrians, the sidewalks and bike lane widths being sufficient, that the sidewalk wouldn’t be as wide as a multi-use path and allows space for landscaping and impacts less land and trees.
- For those persons that preferred Alternative 5 “Multi-use path on the east side and on-street bike lanes and Attached sidewalk on the west side and buffered bike lanes on the south side”, the reasons for the preference included a facility for younger riders, facility for all ages, off-street facility and feeling that it is safer for everyone. A few respondents preferred this option because landscaping would not be planted which addressed their concern that it would not be maintained and that it consumes water.
- For those persons who preferred Alternative 1 “Attached Sidewalks and On-Street Bike Lanes”, the reasons included that the design is simple and takes the least space, street width and cost and removes less trees and that there won’t be landscaping planted which is anticipated to not be maintained
- For those persons who preferred Alternative 3 “Detached and Attached Sidewalks and On-Street Bike Lanes” the reasons included that the sidewalks can be detached, that there is some variety, that most people want to bike on-street and children can bike on sidewalks and it’s a reasonable cost.
- For those persons who preferred Alternative 2 “Detached Sidewalks and On-Street Bike Lanes” the reasons included the ability to have landscaping and trees on the east side and it’s safest for biking and walking.

Online feedback included 18 respondents. Of those responses, 10 persons preferred Alternative 4, 6 persons preferred Alternative 5, 1 person preferred Alternative 2 and 1 person preferred Alternative 1.

- For those persons that preferred Alternative 4 “Detached and Attached Sidewalks and Buffered Bike Lanes”, the reasons for that preference included the feature of a buffered bike lane and more separation from cars, closest design to a protected bike lane, the vehicle lanes being more narrow, dedicated spaces for each travel mode, family friendly, encourages walking and biking and majority of roadway space is for walking and biking over driving.
- For those persons that preferred Alternative 5 “Multi-use path on the east side and on-street bike lanes and Attached sidewalk on the west side and buffered bike lanes on the south side”, the reasons for the preference included that the path is a protected facility from cars and it provides the widest walk and paths feel safer and separate from cars.
- For the person who preferred Alternative 2 “Detached Sidewalks and On-Street Bike Lanes” the reason was the provision of trees on one side at least.
- For the respondent who preferred Alternative 1 “Attached Sidewalks and On-Street Bike Lanes”, the reasons included that it would achieve project goals but least impact their property.

**Appendix C –  
19<sup>th</sup> Street (Norwood-Sumac) Tree Inventory and Recommendations**



Tamarack Ave

Sumac Ave

17th St

Riverside Ln

Riverside Ave

Garnet Ln

Redwood Ave

Emerald Rd

Quince Ave

Poplar Ln

Poplar Ave

17th St

19th St

20th St

Orchard Ave

Oak Ave

**Tree Recommendation**

- Preserve
- Transplant
- Remove

0 125 250 500 Feet

Norwood Ave

**19th Street Sidewalk Project- Tree Recommendations from the Forestry Division 11/8/2019**  
**Prepared by Pat Bohin, Assistant Forester, 303-519-8750**

**19th Street, East Side, Trees Listed from South to North, Bold Lines Separate Blocks**

TREE #	TREE INVENTORY SITE ID	ADDRESS HOUSE #	ADDRESS STREET	ON STREET	FROM STREET	TO STREET	SIDE OF ADDRESS	SEQ AT ADDRESS	TREE SPECIES	DIA SIZE	COND	JURISDICTION	RECOMMENDATIONS AND NOTES
1	69440	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	1	Austrian Pine	2	Fair	Forestry	Transplant onto private property
2	69441	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	2	Blue Spruce	2	Good	Forestry	Transplant onto private property
3	69442	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	3	Eastern White Pine	2	Poor	Forestry	Transplant onto private property
4	69443	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	4	Green Ash	4	Good	Forestry	Remove if necessary
5	69444	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	5	Austrian Pine	2	Good	Forestry	Transplant onto private property
6	69445	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	6	Austrian Pine	2	Fair	Forestry	Transplant onto private property
7	69446	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	7	Eastern White Pine	2	Fair	Forestry	Transplant onto private property
8	69447	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	8	Blue Spruce	2	Good	Forestry	Transplant onto private property
9	69448	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	9	Austrian Pine	2	Fair	Forestry	Transplant onto private property
10	69449	3850	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	10	Blue Spruce	2	Poor	Forestry	Transplant onto private property
11	69450	3860	19TH ST	19TH ST	NORWOOD AV	OAK AV	Front	1	Engelmann Spruce	2	Good	Forestry	Transplant onto private property
12	69451	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	1	Flowering Crabapple	6	Good	Forestry	Preserve if possible. Keep walk attached. Prune for clearance
13	69452	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	2	Flowering Crabapple	6	Good	Forestry	Preserve if possible. Keep walk attached. Prune for clearance
14	69453	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	3	Flowering Crabapple	7	Good	Forestry	Preserve if possible. Keep walk attached. Prune for clearance

15	69454	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	4	Flowering Crabapple	6	Good	Forestry	Preserve if possible. Keep walk attached. Prune for clearance
16	69455	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	5	Flowering Crabapple	6	Good	Forestry	Preserve if possible. Keep walk attached. Prune for clearance
17	69456	1900	OAK AV	19TH ST	NORWOOD AV	OAK AV	Right	6	Blue Spruce	2	Good	Forestry	Preserve if possible
18	69457	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	1	Boxelder	2	Good	Forestry	Remove if necessary
19	69458	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	2	Chokecherry	14	Fair	Forestry	Preserve if possible
20	69459	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	3	Siberian Elm	2	Good	Forestry	Remove if necessary
21	69460	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	4	Flowering Crabapple	16	Good	Forestry	Preserve if possible
22	69461	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	5	Green Ash	14	Fair	Forestry	Remove if necessary
23	69462	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	6	Quaking Aspen	1	Good	Forestry	Remove if necessary
24	69463	1919	OAK AV	19TH ST	OAK AV	ORCHARD AV	Left	7	Swamp White Oak	14	Fair	Forestry	Preserve if possible
25	71440	3900	19TH ST	19TH ST	ORCHARD AV	POPLAR AV	Front	1	Pinon Pine	2	Good	Forestry	Transplant onto private property
26	71441	3900	19TH ST	19TH ST	ORCHARD AV	POPLAR AV	Front	2	Pinon Pine	2	Good	Forestry	Transplant onto private property
27	71442	3900	19TH ST	19TH ST	ORCHARD AV	POPLAR AV	Front	3	Rocky Mountain Juniper	8	Good	Forestry	Transplant onto private property
28	71453	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	1	Siberian Elm	4	Dead	Forestry	Remove if necessary
29	71454	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	2	Siberian Elm	12	Fair	Forestry	Remove if necessary
30	71455	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	3	Siberian Elm	8	Fair	Forestry	Remove if necessary
31	71456	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	4	Siberian Elm	4	Fair	Forestry	Remove if necessary
32	71457	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	5	Siberian Elm	12	Poor	Forestry	Remove if necessary
33	71458	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	6	Siberian Elm	5	Poor	Forestry	Remove if necessary
34	73474	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	7	Siberian Elm	5	Fair	Forestry	Remove if necessary
35	73475	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	8	Siberian Elm	3	Fair	Forestry	Remove if necessary
36	73476	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	9	Siberian Elm	2	Fair	Forestry	Remove if necessary
37	73477	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	10	Siberian Elm	1	Fair	Forestry	Remove if necessary
38	73478	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	11	Green Ash	8	Fair	Forestry	Remove if necessary
39	73479	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	12	Siberian Elm	4	Poor	Forestry	Remove if necessary
40	73480	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	13	Siberian Elm	1	Fair	Forestry	Remove if necessary
41	73481	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	14	Siberian Elm	2	Dead	Forestry	Remove if necessary
42	73482	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	15	Green Ash	7	Fair	Forestry	Remove if necessary

43	73483	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	16	Green Ash	4	Fair	Forestry	Remove if necessary
44	73484	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	17	Siberian Elm	2	Fair	Forestry	Remove if necessary
45	73485	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	18	Siberian Elm	1	Dead	Forestry	Remove if necessary
46	73486	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	19	Plains Cottonwood	31	Very Poor	Forestry	Remove if necessary
47	73487	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	20	Siberian Elm	3	Fair	Forestry	Remove if necessary
48	73488	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	21	Siberian Elm	1	Fair	Forestry	Remove if necessary
49	73489	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	22	Siberian Elm	1	Dead	Forestry	Remove if necessary
50	73490	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	23	Siberian Elm	2	Fair	Forestry	Remove if necessary
51	73491	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	24	Siberian Elm	1	Dead	Forestry	Remove if necessary
52	73492	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	25	Plains Cottonwood	15	Fair	Forestry	Preserve if possible
53	73493	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	26	Chokecherry	1	Good	Forestry	Remove if necessary
54	73494	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	27	Green Ash	7	Fair	Forestry	Remove if necessary
55	73495	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	28	Siberian Elm	2	Dead	Forestry	Remove if necessary
56	73496	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	29	Siberian Elm	2	Fair	Forestry	Remove if necessary
57	73497	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	30	Siberian Elm	3	Fair	Forestry	Remove if necessary
58	73498	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	31	Siberian Elm	5	Dead	Forestry	Remove if necessary
59	73499	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	32	Siberian Elm	10	Poor	Forestry	Remove if necessary
60	73500	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	33	Green Ash	5	Fair	Forestry	Remove if necessary
61	73501	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	34	Green Ash	4	Fair	Forestry	Remove if necessary
62	73502	1901	POPLAR AV	19TH ST	POPLAR AV	RIVERSIDE AV	Left	35	Green Ash	5	Fair	Forestry	Remove if necessary
63	73503	3980	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	1	Green Ash	3	Good	Forestry	Remove if necessary
64	73504	3980	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	2	Plum species	5	Good	Forestry	Transplant onto private property
65	73505	3980	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	3	Plum species	2	Good	Forestry	Transplant onto private property
66	73506	4000	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	1	Mugo Pine	3	Good	Forestry	Transplant onto private property
67	73507	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	1	Siberian Elm	3	Good	Forestry	Remove if necessary
68	73508	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	2	Green Ash	2	Poor	Forestry	Remove if necessary
69	73509	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	3	Siberian Elm	3	Fair	Forestry	Remove if necessary
70	73510	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	4	Siberian Elm	4	Fair	Forestry	Remove if necessary
71	73511	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	5	Siberian Elm	2	Fair	Forestry	Remove if necessary
72	73512	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	6	Siberian Elm	2	Dead	Forestry	Remove if necessary
73	73513	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	7	Siberian Elm	3	Poor	Forestry	Remove if necessary
74	73514	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	8	Siberian Elm	2	Fair	Forestry	Remove if necessary
75	73515	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	9	Siberian Elm	1	Fair	Forestry	Remove if necessary
76	73516	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	10	Siberian Elm	3	Dead	Forestry	Remove if necessary

77	73517	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	11	Siberian Elm	4	Fair	Forestry	Remove if necessary
78	73518	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	12	Siberian Elm	2	Fair	Forestry	Remove if necessary
79	73519	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	13	Siberian Elm	3	Fair	Forestry	Remove if necessary
80	73520	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	14	Siberian Elm	1	Fair	Forestry	Remove if necessary
81	73521	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	15	Siberian Elm	2	Fair	Forestry	Remove if necessary
82	73522	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	16	Siberian Elm	4	Fair	Forestry	Remove if necessary
83	73523	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	17	Siberian Elm	3	Fair	Forestry	Remove if necessary
84	73524	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	18	Siberian Elm	2	Fair	Forestry	Remove if necessary
85	73525	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	19	Siberian Elm	4	Dead	Forestry	Remove if necessary
86	73526	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	20	Siberian Elm	3	Fair	Forestry	Remove if necessary
87	73527	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	21	Siberian Elm	6	Fair	Forestry	Remove if necessary
88	73528	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	22	Siberian Elm	10	Fair	Forestry	Remove if necessary
89	73529	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	23	Siberian Elm	2	Fair	Forestry	Remove if necessary
90	73530	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	24	Siberian Elm	1	Dead	Forestry	Remove if necessary
91	73531	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	25	Siberian Elm	3	Dead	Forestry	Remove if necessary
92	73532	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	26	Siberian Elm	3	Fair	Forestry	Remove if necessary
93	73533	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	27	Siberian Elm	6	Poor	Forestry	Remove if necessary
94	73534	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	28	Siberian Elm	12	Dead	Forestry	Remove if necessary
95	73535	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	29	Siberian Elm	1	Good	Forestry	Remove if necessary
96	73536	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	30	Siberian Elm	4	Very Poor	Forestry	Remove if necessary
97	73537	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	31	Siberian Elm	3	Very Poor	Forestry	Remove if necessary
98	73538	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	32	Siberian Elm	10	Fair	Forestry	Remove if necessary
99	73539	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	33	Green Ash	2	Fair	Forestry	Remove if necessary
100	73540	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	34	Siberian Elm	3	Fair	Forestry	Remove if necessary
101	73541	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	35	Siberian Elm	1	Good	Forestry	Remove if necessary
102	73542	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	36	Plum species	4	Dead	Forestry	Remove if necessary
103	73543	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	37	Siberian Elm	2	Good	Forestry	Remove if necessary
104	73544	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	38	Siberian Elm	3	Good	Forestry	Remove if necessary
105	73545	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	39	Siberian Elm	3	Dead	Forestry	Remove if necessary
106	73546	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	40	Siberian Elm	7	Poor	Forestry	Remove if necessary
107	73547	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	41	Green Ash	2	Fair	Forestry	Remove if necessary
108	73548	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	42	Siberian Elm	3	Fair	Forestry	Remove if necessary
109	73549	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	43	Siberian Elm	18	Poor	Forestry	Remove if necessary
110	73550	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	44	Green Ash	3	Fair	Wetlands	Remove if necessary
111	73551	4081	GARNET LN	19TH ST	POPLAR AV	RIVERSIDE AV	Rear	45	Green Ash	4	Fair	Wetlands	Remove if necessary

112	73552	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	1	Common Honeylocust	13	Fair	Forestry	Preserve if possible
113	73553	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	2	Siberian Elm	6	Fair	Forestry	Remove if necessary
114	73554	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	3	Siberian Elm	6	Fair	Forestry	Remove if necessary
115	73555	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	4	Common Honeylocust	10	Fair	Forestry	Preserve if possible
116	73556	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	5	Austrian Pine	9	Good	Forestry	Preserve if possible
117	73557	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	6	Green Ash	12	Fair	Forestry	Remove if necessary
118	73558	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	7	Green Ash	16	Fair	Forestry	Remove if necessary
119	73559	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	8	Green Ash	13	Fair	Forestry	Remove if necessary
120	73560	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	9	Green Ash	15	Fair	Forestry	Remove if necessary
121	73561	4072	19TH ST	19TH ST	POPLAR AV	RIVERSIDE AV	Front	10	Green Ash	14	Fair	Forestry	Remove if necessary
122	73894	4190	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	1	Rocky Mountain Juniper	1	Good	Forestry	Transplant onto private property
123	73896	4220	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	2	Siberian Elm	12	Fair	Forestry	Remove if necessary
124	73897	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	1	Siberian Elm	6	Poor	Forestry	Remove if necessary
125	73898	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	2	Siberian Elm	17	Poor	Forestry	Remove if necessary
126	73899	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	3	Siberian Elm	1	Good	Forestry	Remove if necessary
127	73900	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	4	Green Ash	1	Good	Forestry	Remove if necessary
128	73903	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	7	Siberian Elm	19	Poor	Forestry	Remove if necessary
129	73904	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	8	Siberian Elm	15	Fair	Forestry	Preserve if possible
130	73905	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	9	Siberian Elm	9	Fair	Forestry	Remove if necessary
131	73906	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	12	Siberian Elm	5	Fair	Forestry	Remove if necessary
132	73907	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	11	Siberian Elm	3	Dead	Forestry	Remove if necessary
133	73908	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	10	Siberian Elm	2	Fair	Forestry	Remove if necessary
134	73909	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	13	Siberian Elm	2	Fair	Forestry	Remove if necessary
135	73910	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	14	Siberian Elm	15	Fair	Forestry	Remove if necessary
136	73911	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	15	Siberian Elm	4	Poor	Forestry	Remove if necessary
137	73912	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	16	Siberian Elm	13	Poor	Forestry	Remove if necessary
138	73913	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	17	Siberian Elm	3	Fair	Forestry	Remove if necessary
139	73914	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	18	Siberian Elm	22	Fair	Forestry	Preserve if possible
140	73915	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	19	Siberian Elm	4	Fair	Forestry	Remove if necessary
141	73916	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	20	Siberian Elm	11	Fair	Forestry	Remove if necessary
142	73917	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	21	Siberian Elm	9	Fair	Forestry	Remove if necessary
143	73918	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	22	Siberian Elm	13	Fair	Forestry	Remove if necessary
144	73919	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	23	Siberian Elm	6	Poor	Forestry	Remove if necessary
145	73920	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	24	Siberian Elm	21	Fair	Forestry	Preserve if possible
146	73921	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	25	Siberian Elm	4	Good	Forestry	Remove if necessary

147	73922	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	26	Siberian Elm	5	Fair	Forestry	Remove if necessary
148	73923	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	27	Siberian Elm	15	Fair	Forestry	Remove if necessary
149	73924	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	28	Siberian Elm	5	Fair	Forestry	Remove if necessary
150	73925	4240	19TH ST	19TH ST	RIVERSIDE AV	UPLAND AV	Front	29	Siberian Elm	16	Fair	Forestry	Preserve if possible
<b>19th Street, West Side, Trees Listed from North to South, Bold Lines Separate Blocks</b>													
TREE #	TREE INVENTORY SITE ID	ADDRESS HOUSE #	ADDRESS STREET	ON STREET	FROM STREET	TO STREET	SIDE OF ADDRESS	SEQ AT ADDRESS	TREE SPECIES	DIA SIZE	COND	JURISDICTION	RECOMMENDATIONS AND NOTES
151	71749	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	1	Green Ash	2	Fair	Forestry	Remove if necessary
152	71750	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	2	Green Ash	2	Good	Forestry	Remove if necessary
153	71751	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	3	Common Honeylocust	2	Good	Forestry	Remove if necessary
154	71752	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	4	Siberian Elm	17	Fair	Forestry	Remove if necessary
155	71753	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	5	Siberian Elm	5	Poor	Forestry	Remove if necessary
156	71754	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	6	Siberian Elm	3	Dead	Forestry	Remove if necessary
157	71755	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	7	Siberian Elm	7	Fair	Forestry	Remove if necessary
158	71756	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	8	Siberian Elm	3	Dead	Forestry	Remove if necessary
159	71757	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	9	Siberian Elm	10	Poor	Forestry	Remove if necessary
160	71758	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	10	Siberian Elm	3	Dead	Forestry	Remove if necessary
161	71759	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	11	Siberian Elm	9	Fair	Forestry	Remove if necessary
162	71760	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	12	Siberian Elm	6	Poor	Forestry	Remove if necessary
163	71761	1890	SUMAC AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Left	13	Green Ash	5	Good	Forestry	Remove if necessary
164	71762	4157	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	1	Siberian Elm	29	Poor	Wetlands	Remove if necessary
165	71763	4157	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	2	Plum species	4	Good	Wetlands	Remove if necessary
166	71764	4095	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	1	Siberian Elm	8	Fair	Forestry	Remove if necessary
167	71765	4095	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	2	Siberian Elm	24	Fair	Wetlands	Remove if necessary
168	71766	4095	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	3	Flowering Crabapple	6	Good	Wetlands	Preserve if possible
169	71767	4095	19TH ST	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Front	4	Siberian Elm	24	Fair	Forestry	Preserve if possible

170	71768	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	1	Siberian Elm	26	Fair	Wetlands	Preserve if possible
171	71769	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	2	Rocky Mountain Juniper	4	Good	Wetlands	Preserve if possible
172	73293	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	3	Green Ash	3	Good	Wetlands	Remove if necessary
173	73294	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	4	Siberian Elm	11	Fair	Wetlands	Remove if necessary
174	73295	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	5	Siberian Elm	20	Very Poor	Wetlands	Remove if necessary
175	73296	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	6	Siberian Elm	5	Good	Wetlands	Remove if necessary
176	73297	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	7	Siberian Elm	2	Good	Wetlands	Remove if necessary
177	73298	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	8	Siberian Elm	3	Good	Wetlands	Remove if necessary
178	73299	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	9	Siberian Elm	6	Good	Wetlands	Remove if necessary
179	73300	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	10	Siberian Elm	3	Fair	Wetlands	Remove if necessary
180	73301	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	11	Siberian Elm	2	Fair	Wetlands	Remove if necessary
181	73302	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	12	Siberian Elm	7	Fair	Wetlands	Remove if necessary
182	73303	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	13	Siberian Elm	8	Fair	Wetlands	Remove if necessary
183	73304	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	14	Flowering Crabapple	2	Good	Wetlands	Transplant onto private property
184	73305	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	15	Green Ash	2	Good	Wetlands	Remove if necessary
185	73306	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	16	Siberian Elm	4	Dead	Wetlands	Remove if necessary
186	73307	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	17	Siberian Elm	6	Fair	Wetlands	Remove if necessary
187	73308	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	18	Siberian Elm	3	Fair	Wetlands	Remove if necessary
188	73309	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	19	Siberian Elm	7	Fair	Wetlands	Remove if necessary

189	73310	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	20	Siberian Elm	8	Fair	Wetlands	Remove if necessary
190	73311	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	21	Siberian Elm	3	Fair	Wetlands	Remove if necessary
191	73312	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	22	Siberian Elm	2	Dead	Wetlands	Remove if necessary
192	73313	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	23	Siberian Elm	7	Fair	Wetlands	Remove if necessary
193	73314	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	24	Siberian Elm	7	Fair	Wetlands	Remove if necessary
194	73315	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	25	Siberian Elm	3	Dead	Wetlands	Remove if necessary
195	73316	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	26	Siberian Elm	8	Fair	Wetlands	Remove if necessary
196	73317	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	27	Siberian Elm	7	Fair	Wetlands	Remove if necessary
197	73318	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	28	Siberian Elm	4	Fair	Wetlands	Remove if necessary
198	73319	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	29	Siberian Elm	2	Dead	Wetlands	Remove if necessary
199	73320	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	30	Siberian Elm	6	Fair	Forestry	Remove if necessary
200	73321	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	31	Siberian Elm	3	Dead	Forestry	Remove if necessary
201	73322	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	32	Siberian Elm	4	Fair	Forestry	Remove if necessary
202	73323	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	33	Siberian Elm	4	Dead	Forestry	Remove if necessary
203	73324	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	34	Siberian Elm	5	Fair	Forestry	Remove if necessary
204	73325	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	35	Siberian Elm	3	Very Poor	Forestry	Remove if necessary
205	73326	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	36	Siberian Elm	4	Fair	Forestry	Remove if necessary
206	73327	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	37	Siberian Elm	3	Fair	Forestry	Remove if necessary
207	73328	1895	REDWOOD AV	19TH ST	<b>SUMAC AV</b>	<b>REDWOOD AV</b>	Right	38	Siberian Elm	4	Fair	Forestry	Remove if necessary

208	73329	1895	REDWOOD AV	19TH ST	SUMAC AV	REDWOOD AV	Right	39	Siberian Elm	6	Fair	Forestry	Remove if necessary
209	73330	1895	REDWOOD AV	19TH ST	SUMAC AV	REDWOOD AV	Right	40	Siberian Elm	2	Fair	Forestry	Remove if necessary
210	73331	1895	REDWOOD AV	19TH ST	SUMAC AV	REDWOOD AV	Right	41	Siberian Elm	10	Fair	Forestry	Remove if necessary
211	73332	1895	REDWOOD AV	19TH ST	SUMAC AV	REDWOOD AV	Right	42	Siberian Elm	3	Very Poor	Forestry	Remove if necessary
212	73333	1895	REDWOOD AV	19TH ST	SUMAC AV	REDWOOD AV	Right	43	Siberian Elm	2	Fair	Forestry	Remove if necessary
213	73334	1895	REDWOOD AV	REDWOOD AV	19TH ST	15TH ST	Front	1	Flowering Crabapple	6	Good	Forestry	Transplant onto private property
214	73335	1895	REDWOOD AV	REDWOOD AV	19TH ST	15TH ST	Front	2	Siberian Elm	15	Poor	Forestry	Remove if necessary
215	71331	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	1	Flowering Crabapple	3	Fair	Forestry	Transplant onto private property
216	71332	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	2	Siberian Elm	9	Fair	Forestry	Remove if necessary
217	71333	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	3	Siberian Elm	4	Dead	Forestry	Remove if necessary
218	71334	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	4	Siberian Elm	4	Fair	Forestry	Remove if necessary
219	71335	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	5	Siberian Elm	8	Fair	Forestry	Remove if necessary
220	71336	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	6	Russian-olive	2	Good	Forestry	Remove if necessary
221	71337	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	7	Siberian Elm	4	Dead	Forestry	Remove if necessary
222	71338	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	8	Siberian Elm	14	Fair	Forestry	Remove if necessary
223	71339	1890	QUINCE AV	19TH ST	QUINCE AV	ORCHARD AV	Left	9	Siberian Elm	4	Dead	Forestry	Remove if necessary
224	71341	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	1	Siberian Elm	5	Fair	Forestry	Remove if necessary
225	71342	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	2	Siberian Elm	16	Very Poor	Forestry	Remove if necessary
226	71343	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	3	Siberian Elm	2	Fair	Forestry	Remove if necessary
227	71345	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	4	Siberian Elm	5	Fair	Forestry	Remove if necessary
228	71346	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	5	Siberian Elm	6	Fair	Forestry	Remove if necessary
229	71347	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	6	Siberian Elm	4	Fair	Forestry	Remove if necessary
230	71348	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	7	Siberian Elm	5	Fair	Forestry	Remove if necessary
231	71349	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	8	Siberian Elm	6	Poor	Forestry	Remove if necessary
232	71350	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	9	Siberian Elm	6	Very Poor	Forestry	Remove if necessary
233	71351	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	10	Siberian Elm	3	Fair	Forestry	Remove if necessary
234	71352	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	11	Siberian Elm	10	Poor	Forestry	Remove if necessary
235	71353	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	12	Siberian Elm	6	Fair	Forestry	Remove if necessary

236	71354	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	13	Siberian Elm	16	Fair	Forestry	Remove if necessary
237	71355	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	14	Siberian Elm	9	Fair	Forestry	Remove if necessary
238	71356	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	15	Siberian Elm	12	Poor	Forestry	Remove if necessary
239	71357	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	16	Siberian Elm	3	Fair	Forestry	Remove if necessary
240	71358	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	17	Siberian Elm	4	Poor	Forestry	Remove if necessary
241	71359	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	18	Siberian Elm	4	Poor	Forestry	Remove if necessary
242	71360	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	19	Siberian Elm	9	Dead	Forestry	Remove if necessary
243	71361	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	20	Siberian Elm	13	Fair	Forestry	Remove if necessary
244	71362	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	21	Siberian Elm	5	Fair	Forestry	Remove if necessary
245	71363	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	22	Siberian Elm	8	Fair	Forestry	Remove if necessary
246	71364	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	23	Siberian Elm	5	Poor	Forestry	Remove if necessary
247	71365	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	24	Siberian Elm	4	Fair	Forestry	Remove if necessary
248	71366	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	25	Siberian Elm	1	Dead	Forestry	Remove if necessary
249	71367	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	26	Siberian Elm	10	Fair	Forestry	Remove if necessary
250	71368	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	27	Siberian Elm	8	Dead	Forestry	Remove if necessary
251	71369	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	28	Siberian Elm	4	Poor	Forestry	Remove if necessary
252	71370	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	29	Siberian Elm	3	Fair	Forestry	Remove if necessary
253	71371	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	30	Siberian Elm	9	Poor	Forestry	Remove if necessary
254	71372	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	31	Siberian Elm	5	Poor	Forestry	Remove if necessary
255	71373	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	32	Siberian Elm	6	Fair	Forestry	Remove if necessary
256	71374	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	33	Siberian Elm	5	Fair	Forestry	Remove if necessary
257	71375	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	34	Siberian Elm	5	Very Poor	Forestry	Remove if necessary
258	71376	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	35	Siberian Elm	1	Fair	Forestry	Remove if necessary
259	71377	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	36	Siberian Elm	19	Poor	Forestry	Remove if necessary
260	71378	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	37	Siberian Elm	5	Fair	Forestry	Remove if necessary
261	71379	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	38	Siberian Elm	7	Fair	Forestry	Remove if necessary
262	71380	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	39	Siberian Elm	3	Fair	Forestry	Remove if necessary
263	71381	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	40	Siberian Elm	29	Poor	Forestry	Remove if necessary
264	71382	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	41	Siberian Elm	8	Poor	Forestry	Remove if necessary
265	71383	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	42	Siberian Elm	3	Fair	Forestry	Remove if necessary
266	71384	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	43	Siberian Elm	4	Dead	Forestry	Remove if necessary
267	71385	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	44	Siberian Elm	2	Dead	Forestry	Remove if necessary
268	71386	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	45	Siberian Elm	6	Poor	Forestry	Remove if necessary
269	71387	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	46	Siberian Elm	4	Fair	Forestry	Remove if necessary
270	71388	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	47	Siberian Elm	3	Fair	Forestry	Remove if necessary
271	71389	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	48	Siberian Elm	4	Poor	Forestry	Remove if necessary
272	71390	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	49	Siberian Elm	19	Dead	Forestry	Remove if necessary

273	71391	3975	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	50	Siberian Elm	3	Poor	Forestry	Remove if necessary
274	71392	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	1	Siberian Elm	10	Fair	Forestry	Remove if necessary
275	71393	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	2	Siberian Elm	2	Fair	Forestry	Remove if necessary
276	71394	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	3	Siberian Elm	2	Fair	Forestry	Remove if necessary
277	71395	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	4	Siberian Elm	9	Fair	Forestry	Remove if necessary
278	71397	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	5	Siberian Elm	6	Fair	Forestry	Remove if necessary
279	71398	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	6	Siberian Elm	10	Fair	Forestry	Remove if necessary
280	71399	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	7	Siberian Elm	2	Poor	Forestry	Remove if necessary
281	71400	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	8	Siberian Elm	3	Poor	Forestry	Remove if necessary
282	71401	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	9	Siberian Elm	2	Fair	Forestry	Remove if necessary
283	71402	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	10	Siberian Elm	14	Poor	Forestry	Remove if necessary
284	71403	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	11	Siberian Elm	5	Fair	Forestry	Remove if necessary
285	71404	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	12	Siberian Elm	3	Fair	Forestry	Remove if necessary
286	71406	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	13	Siberian Elm	4	Fair	Forestry	Remove if necessary
287	71407	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	14	Siberian Elm	2	Dead	Forestry	Remove if necessary
288	71410	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	15	Siberian Elm	10	Poor	Forestry	Remove if necessary
289	71411	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	16	Siberian Elm	17	Very Poor	Forestry	Remove if necessary
290	71412	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	17	Siberian Elm	4	Poor	Forestry	Remove if necessary
291	71413	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	18	Siberian Elm	16	Poor	Forestry	Remove if necessary
292	71414	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	19	Siberian Elm	2	Fair	Forestry	Remove if necessary
293	71415	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	20	Siberian Elm	1	Good	Forestry	Remove if necessary
294	71416	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	21	Siberian Elm	15	Fair	Forestry	Remove if necessary
295	71417	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	22	Siberian Elm	11	Fair	Forestry	Remove if necessary
296	71418	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	23	Siberian Elm	6	Fair	Forestry	Remove if necessary
297	71419	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	24	Siberian Elm	2	Fair	Forestry	Remove if necessary
298	71420	3949	19TH ST	19TH ST	QUINCE AV	ORCHARD AV	Front	25	Siberian Elm	6	Fair	Forestry	Remove if necessary
299	71421	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	1	Siberian Elm	2	Good	Forestry	Remove if necessary
300	71422	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	2	Siberian Elm	4	Fair	Forestry	Remove if necessary
301	71424	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	4	Siberian Elm	1	Good	Forestry	Remove if necessary
302	71425	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	5	Siberian Elm	2	Good	Forestry	Remove if necessary
303	71426	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	6	Siberian Elm	4	Fair	Forestry	Remove if necessary
304	71427	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	7	Siberian Elm	3	Fair	Forestry	Remove if necessary
305	71428	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	8	Siberian Elm	8	Fair	Forestry	Remove if necessary
306	71431	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	11	Siberian Elm	2	Dead	Forestry	Remove if necessary
307	71433	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	13	Siberian Elm	9	Fair	Forestry	Remove if necessary
308	71434	1891	ORCHARD AV	19TH ST	QUINCE AV	ORCHARD AV	Right	14	Siberian Elm	7	Poor	Forestry	Remove if necessary
309	69207	1892	ORCHARD AV	19TH ST	ORCHARD AV	OAK AV	Left	1	Silver Maple	22	Poor	Forestry	Preserve if possible

310	69209	1892	ORCHARD AV	19TH ST	<b>ORCHARD AV</b>	<b>OAK AV</b>	Left	3	Blue Spruce	22	Good	Forestry	Preserve if possible
311	69210	1891	OAK AV	19TH ST	<b>ORCHARD AV</b>	<b>OAK AV</b>	Right	1	Siberian Elm	2	Fair	Forestry	Remove if necessary
312	69143	1890	OAK AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Left	2	Siberian Elm	7	Good	Forestry	Remove if necessary
313	69144	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	1	Siberian Elm	3	Good	Forestry	Remove if necessary
314	69145	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	2	Siberian Elm	3	Good	Forestry	Remove if necessary
315	69146	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	3	Austrian Pine	2	Dead	Forestry	Remove if necessary
316	69147	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	4	Austrian Pine	4	Fair	Forestry	Remove if necessary
317	69148	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	5	Austrian Pine	2	Fair	Forestry	Remove if necessary
318	69149	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	6	Siberian Elm	1	Fair	Forestry	Remove if necessary
319	69150	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	7	Blue Spruce	2	Dead	Forestry	Remove if necessary
320	69151	3865	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	8	Siberian Elm	2	Good	Forestry	Remove if necessary
321	69152	3845	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	1	Siberian Elm	2	Fair	Forestry	Remove if necessary
322	69153	3845	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	2	Siberian Elm	2	Fair	Forestry	Remove if necessary
323	69154	3845	19TH ST	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Front	3	Siberian Elm	3	Fair	Forestry	Remove if necessary
324	69155	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	1	Siberian Elm	3	Fair	Forestry	Remove if necessary
325	69156	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	2	Siberian Elm	3	Fair	Forestry	Remove if necessary
326	69157	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	3	Siberian Elm	2	Fair	Forestry	Remove if necessary
327	69158	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	4	Siberian Elm	3	Fair	Forestry	Remove if necessary
328	69159	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	5	Siberian Elm	7	Fair	Forestry	Remove if necessary
329	69160	1895	NORWOOD AV	19TH ST	<b>OAK AV</b>	<b>NORWOOD AV</b>	Right	6	Native Cottonwood	3	Fair	Forestry	Remove if necessary

330	69161	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	7	Green Ash	9	Fair	Forestry	Remove if necessary
331	69162	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	8	Siberian Elm	5	Fair	Forestry	Remove if necessary
332	69163	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	9	Siberian Elm	3	Fair	Forestry	Remove if necessary
333	69164	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	10	Siberian Elm	2	Fair	Forestry	Remove if necessary
334	69165	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	11	Siberian Elm	2	Dead	Forestry	Remove if necessary
335	69166	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	12	Siberian Elm	4	Fair	Forestry	Remove if necessary
336	69167	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	13	Siberian Elm	3	Fair	Forestry	Remove if necessary
337	69168	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	14	Siberian Elm	4	Fair	Forestry	Remove if necessary
338	69169	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	15	Austrian Pine	11	Good	Forestry	Preserve if possible. Tree is 18' back of curb.
339	69170	1895	NORWOOD AV	19TH ST	OAK AV	NORWOOD AV	Right	16	Austrian Pine	10	Fair	Forestry	Preserve if possible. Tree is 18' back of curb.

**Notes on Criteria to Remove, Transplant or Preserve Trees:**  
Remove all ash due to suseptibility to Emerald Ash Borer (EAB), a fatal disease specific to ash  
Remove all Siberian elms except for those greater than 20" diameter that are in fair to good condition  
Trees to be transplanted need to be 10" in diameter or less in good or excellent condition. Trees greater than 10" in diameter are too big to transplant sussessfully  
Trees to be preserved are generally those that are desireable species in fair, good or excellent condition  
Trees to be preserved are isolated in places and grouped in other places to faciliate a meandering walk