

## DRAFT MEMORANDUM

<b>Date:</b>	March 10, 2016	<b>TG:</b>	13150.00
<b>To:</b>	Boyd Benson, City of Duvall		
<b>From:</b>	Mike Swenson, PE, PTOE		
<b>cc:</b>	Mike Reid		
<b>Subject:</b>	Rio Vista Pedestrian Facility Assessment		

Per the request of City staff, Transpo conducted a pedestrian analysis, reviewing the existing and future proposed facilities in order to determine the need for pedestrian related improvements on the west side of 272nd Place NE.

### Project Description

The proposed residential development located along NE 143rd Place west of 272nd Place NE in the city of Duvall. Two separate parcels would be developed, one north of NE 143rd Place, the other south of NE 143rd Place. The total development would include 49 single family homes, 14 duplexes, and 6 triplexes. The project accesses would be along NE 143rd Place and along 272nd Place NE south of NE 143rd Place. Due to the grades of the project, as compared to 272nd Place NE, north of NE 143rd Place, no vehicle or pedestrian access to 272nd Place NE is feasible.

### Existing Conditions

Figure 1 shows the site boundaries as well as the existing pedestrian facilities in the project area. The roadways adjacent to the site include two travel lanes with intermittent narrow shoulders.



Figure 1. Existing Pedestrian Facilities

As shown in Figure 1, sidewalks are currently located along the east side of 272nd Place SE, both north and south of NE 143rd Place SE. There are currently no pedestrian facilities along NE 143rd Place or on the west side of 272nd Place NE within the vicinity of the project.

Major pedestrian attractors within the City are primarily located west of the project site and are shown in Figure 2. These attractors include the general downtown area, mixed used areas south of downtown, as well as several area parks.

### Future With-Project Conditions

Frontage improvements are proposed along NE 143rd Place as well as 272nd Place NE, south of NE 143rd Place. These frontage improvements include curb, gutter, and sidewalk, consistent with City standards. The areas of frontage improvements are shown in Figure 3.

As shown in Figure 3, in addition to the sidewalks that would be built on the north and south sides of NE 143rd Place along the project frontages, as well as on the west side of 272nd Place SE south of NE 143rd Place, crosswalks will be striped on the north and west legs of the intersection of NE 143rd Place & 272nd Place NE to reinforcing the connection to existing facilities.

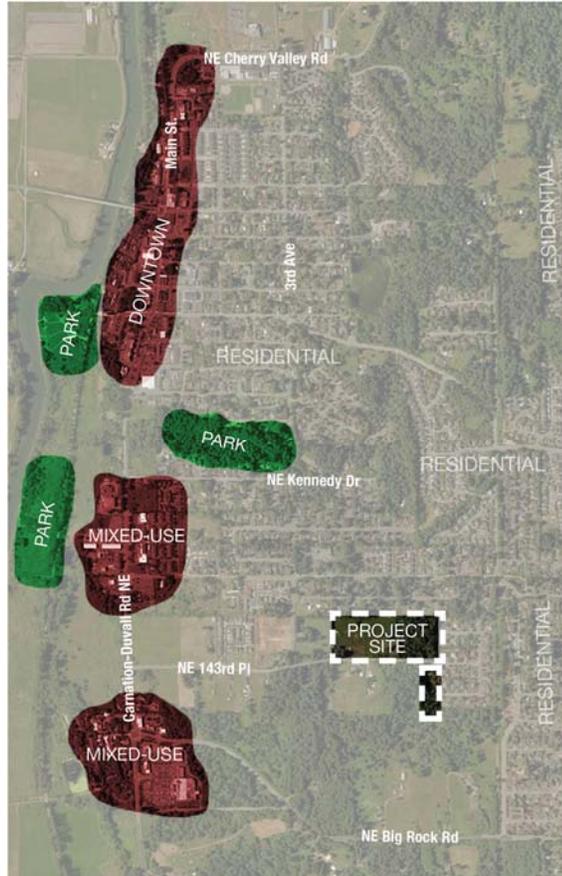
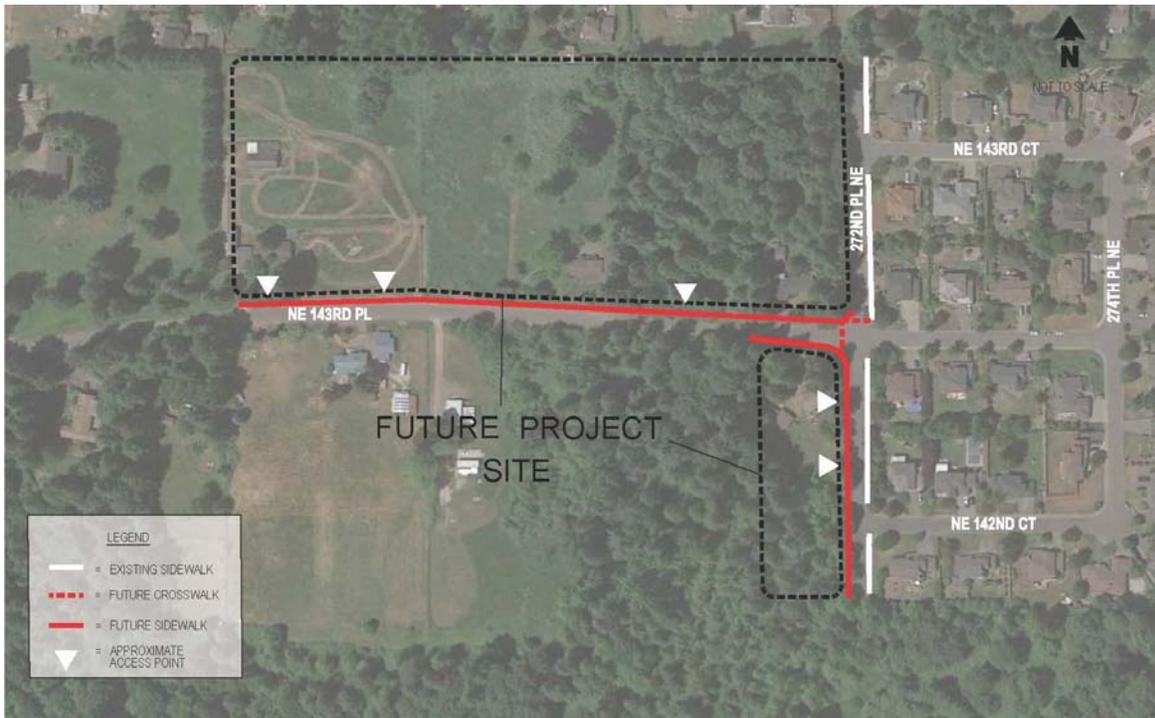


Figure 2. General Area Use & Pedestrian Attractors



**Figure 3. With Project Pedestrian Facilities**

## Network Assessment

The project will be providing access to existing pedestrian facilities along the east side of 272nd Place NE via crosswalks at the NE 143rd Place & 272nd Place NE intersection. As noted, the project does not provide any vehicle or pedestrian access to 272nd Place NE, north of NE 143rd Place. As such, pedestrian traffic from this project along 272nd Place NE would be expected to be minimal. Furthermore, should there be an increases in pedestrian activity along this section due to the project, sidewalks exist along the east side of 272nd Place NE, north of NE 143rd Place. Sidewalks would be striped at the intersection to reinforce the connection to the existing facility. Pedestrian activity generated by the project is anticipated to be primarily oriented to/from the west. As shown in Figure, 3 the primary pedestrian attractors are located west and north of the site. The most direct route from the project site to these attractors is along NE 143rd Place.

## SUMMARY:

1. The Project creates no direct pedestrian access to 272<sup>nd</sup> Place NE.
2. The Project creates no direct vehicular access to 272<sup>nd</sup> Place NE.
3. A new bus stop will be provided on the north side of NE 143<sup>rd</sup> Place; combined with required internal road improvements meeting City Standards and road frontage improvements on the North side of NE 143<sup>rd</sup> Place, provides safe walking path for school children that live within the Project.
4. The frontage improvements on the North side of NE 143<sup>rd</sup> Place, the west side of the intersection of NE 143<sup>rd</sup> Place and 272<sup>nd</sup> Place NE, and the west side of 272<sup>nd</sup> Place NE south of NE 143<sup>rd</sup> Place provide adequate safe walking routes for all pedestrian traffic created by the Project and adequately address all pedestrian impacts caused by the Project.