



*Seattle Department of Transportation*

**DATE:** May 4, 2018

**TO:** Harry Haslam, Local Programs, Washington State Department of Transportation

**FROM:** Sandy Gurkewitz, Strategic Advisor, Seattle Department of Transportation

**CC:** Amanda Tse, Project Manager, Seattle Department of Transportation  
Andrea Johnson, Vice President for Administrative Services, North Seattle College

**SUBJECT:** Northgate Pedestrian and Bicycle Bridge Project Section 4(f) Resources

On February 22, 2018, SDOT, WSDOT and FHWA spoke with the North Seattle College (NSC) to identify facilities on the NSC campus that might qualify for protection under Section 4(f) of the U.S. Department of Transportation Act.

FHWA and the NSC determined that the following facilities would meet the definition of Section 4(f) resources:

- The Kumasaka Farmhouse and Green Lake Gardens Company site
- Open Space/Greenbelt
- Campus Trail System
- Abandoned Ballfield/Grassy Field

FHWA and the NSC also agreed that while the project would impact each of these facilities, that, after taking into account avoidance, minimization, mitigation and enhancement measures the project would result in no adverse effect to the activities, features, or attributes qualifying each facility for protection under Section 4(f). There would be no 'use' of the historic property.

Attached for your review are:

- Attachment 1: Concurrence Letter from the North Seattle College dated May 3, 2018
- Attachment 2: De Minimis Impact Determination for the NSC Open Space/Greenbelt
- Attachment 3: De Minimis Impact Determination for the NSC Campus Trail System
- Attachment 4: Temporary Occupancy Approval for the Abandoned Ballfield/Grassy Field
- Attachment 5: Temporary Occupancy Approval for the NSC Campus Trail System

The Northgate Pedestrian and Bicycle Bridge Cultural Resources Report has been provided to WSDOT under separate cover.

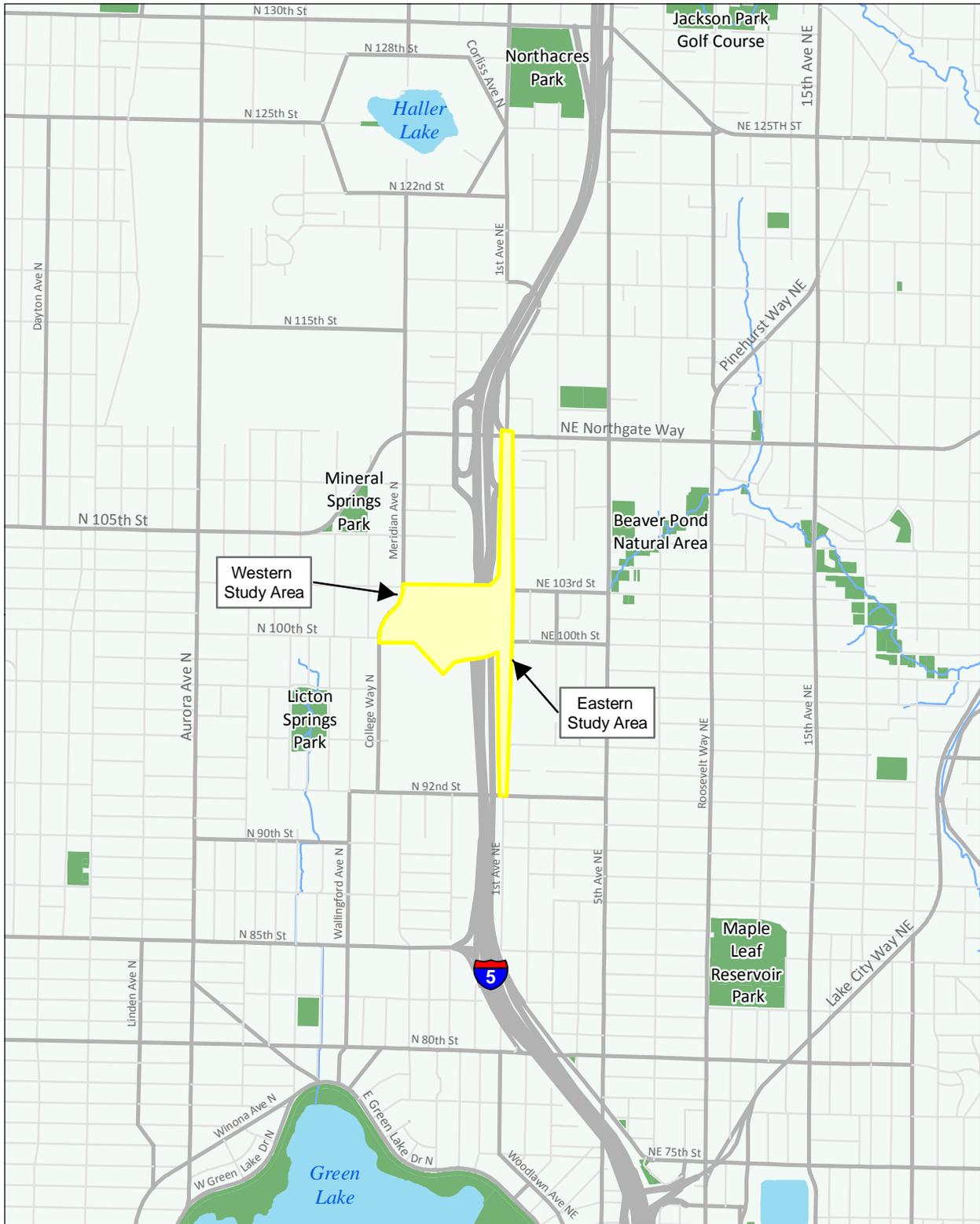
**SUMMARY OF SECTION 4(f) RESOURCES ON THE NORTH SEATTLE COLLEGE CAMPUS**

Resource	Description	Potential Impact	Use
<p>1. <b>The Kumasaka Farmhouse and Green Lake Gardens Company site</b></p>	<p>The site contains the remnants of several historic structures: the Kumasaka family home, the family’s greenhouse business (the Green Lake Gardens Company), and the Green Lake Japanese American Community Hall, operational between 1919 and 1942 at which time the Kumasaka family was interned during World War II (see Figure 3). The site is eligible for listing on the National Register of Historic Places (NRHP) due to its association with Japanese immigration and assimilation on the West Coast in the early 20th century, Japanese community longevity before and after World War II, Japanese Internment during World War II, and the importance of the Kumasaka family as a center of the North Seattle Japanese community.</p>	<p>The proposed project will not displace any portion of this site, which is located north of the vacated N 100th Street.</p> <p>Construction staging will be located on the alignment of vacated N 100th Street (see Figure 4) but will not encroach into the Kumasaka Farmhouse and Green Lake Gardens Company site.</p> <p>A Cultural Resources Assessment was completed for the project. FHWA determined and the SHPO concurred that as long as the project does not encroach on this historic site, the project would have ‘no adverse effect’ on the site.</p>	<p>There will be no use of this Section 4(f) resource.</p>
<p>2. <b>Open Space/Greenbelt</b></p>	<p>The NSC Open Space/Greenbelt surrounds the campus and is approximately 30 acres in size (see Figure 5).</p> <p>The natural area and Open Space/Greenbelt contain both remnants of historic wetlands and restored wetlands that</p>	<p>The proposed project will cross the Open Space/Greenbelt on an east-west orientation east of vacated N 100th Street near the intersection of vacated Corliss Ave N (see Figures 2 and 3). This will temporarily displace about 0.2 acre of the</p>	<p><i>De minimis</i> use of this Section 4(f) resource.</p> <p>Temporary occupancy during construction of this Section 4(f) resource.</p>

Resource	Description	Potential Impact	Use
	<p>feed the south branch of Thornton Creek. A system of trails runs through the Open Space/Greenbelt. The trail system and project impacts are described below.</p> <p>The Bartonwood Natural Area (part of the Open Space/Greenbelt) is found at the north end of the campus and was named after a founding Science Faculty member.</p> <p>The Bartonwood Natural Area is an educational resource, not generally open to the public and does not qualify for Section 4(f) protection. This part of the campus is maintained for geological and ecological studies.</p>	<p>Open Space/Greenbelt in eastern portion of site for use as a staging area.</p> <p>The Bartonwood Natural Area will not be encroached upon by the project.</p>	
<p><b>3. Campus Trail System</b></p>	<p>A system of trails approximately 1.5 miles long, runs along the perimeter and through portions of the NSC campus. The trail system meanders through the OpenSpace/Greenbelt extending south from the Bartonwood Natural Area, along the east side of campus, next to the I-5 freeway, and across the south end of campus (see Figure 6). It connects to College Way N both on the north and south ends of the campus. A trail is located along the N 100th Street alignment, labelled as</p>	<p>The elevated portion of the bridge will cross over the Khaki Loop and Cranberry Loop Trails. These trails would experience the additional visual element of the elevated bridge crossing, which would be visible along that trail corridor.</p> <p>Construction staging will be located on the alignment of vacated N 100th Street (see Figure 4) and will displace a portion of the Khaki Loop</p>	<p><i>De minimis</i> use of Campus Trail System.</p> <p>Temporary occupancy during construction of the Khaki, and portions of the Green Loop and Cranberry Loop Trails</p>

Resource	Description	Potential Impact	Use
	<p>the “Khaki Loop” extends from the College Way N and connects with a perimeter trail, labelled “Cranberry Loop”. The Khaki Loop Trail is along vacated N 100th Street, an unimproved service road which is rutted and potholed. The Cranberry Loop Trail located in vacated Corliss Avenue N continues to the south as a single trail to the area referred to as the “Founders Forest” (at about the alignment of N. 97th Street) where it splits into two trails. The western portion of the trail passes through the Founders Forest, an area of planted blue spruce. A trail identified by NSC, the North Berm Trail, is located on the northern edge of the abandoned ballfield, south of Wetland 5. This trail is a primary trail used by students between classes and serves to connect the neighborhoods east and south of the College (see Figures 3 and 7).</p>	<p>and Cranberry trails during construction. Construction access will be along vacated N 100th Street from the west and along vacated Corliss Avenue from the south.</p> <p>The western approach of the bridge through the NSC campus will land on and displace the North Berm Trail. The North Berm Trail however, will be replaced at a similar elevation and in a new parallel alignment, south of the existing trail. After taking into account avoidance, minimization, mitigation and enhancement measures, the project will not adversely affect the activities, features, or attributes of the North Berm Trail that qualifies it for Section 4(f) protection.</p>	
<p>4. <b>Abandoned Ballfield/Grassy Field</b></p>	<p>The project is adjacent to a triangular grassy area, which was formerly an athletic field (see Figures 8-9). It is currently a stormwater detention basin and is used for passive recreation. The record of development and adoption of the 1995 Master Plan indicates that that NSC intended that the ballfield would be</p>	<p>The proposed Northgate Ped/Bike Bridge corridor will be located north of the flat area of this facility on a fill embankment. The existing abandoned-in-place ballfield backstop will be displaced; however, this feature is no longer in use as trees are growing through it.</p>	<p><i>De minimis</i> use of this Section 4(f) resource.</p> <p>Temporary occupancy during construction of this Section 4(f) resource.</p>

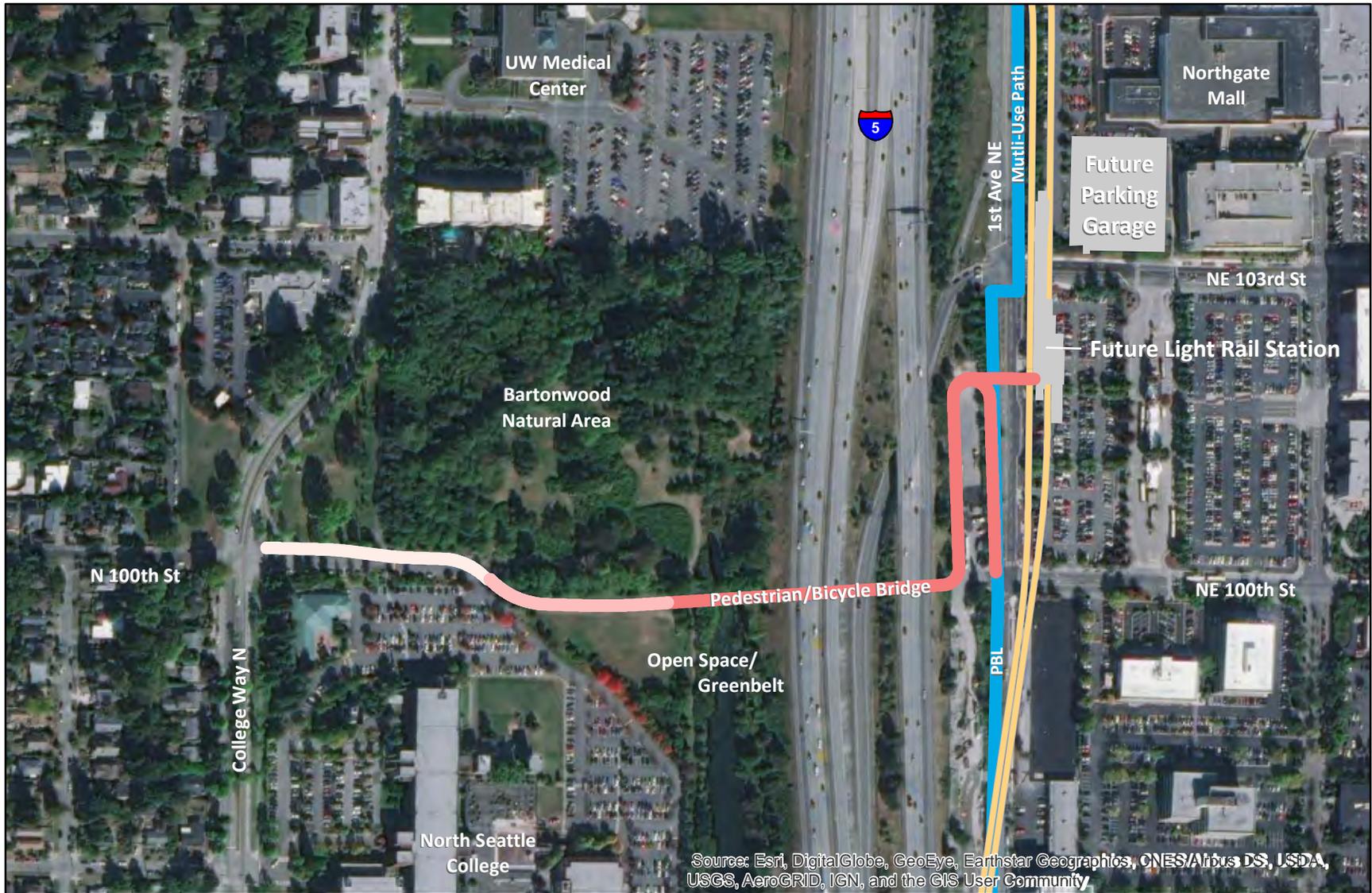
Resource	Description	Potential Impact	Use
	<p>replaced by parking and storm drainage functions.</p> <p>As a result of the parking lot expansion, the former ballfield was reduced by about 0.6 acre.</p>	<p>Some portion of the Abandoned Ballfield/Grassy Field adjacent to the relocated trail may be used for construction access.</p>	



SOURCE: City of Seattle 2017

Northgate Pedestrian Bridge Project

**Figure 1**  
Project Vicinity



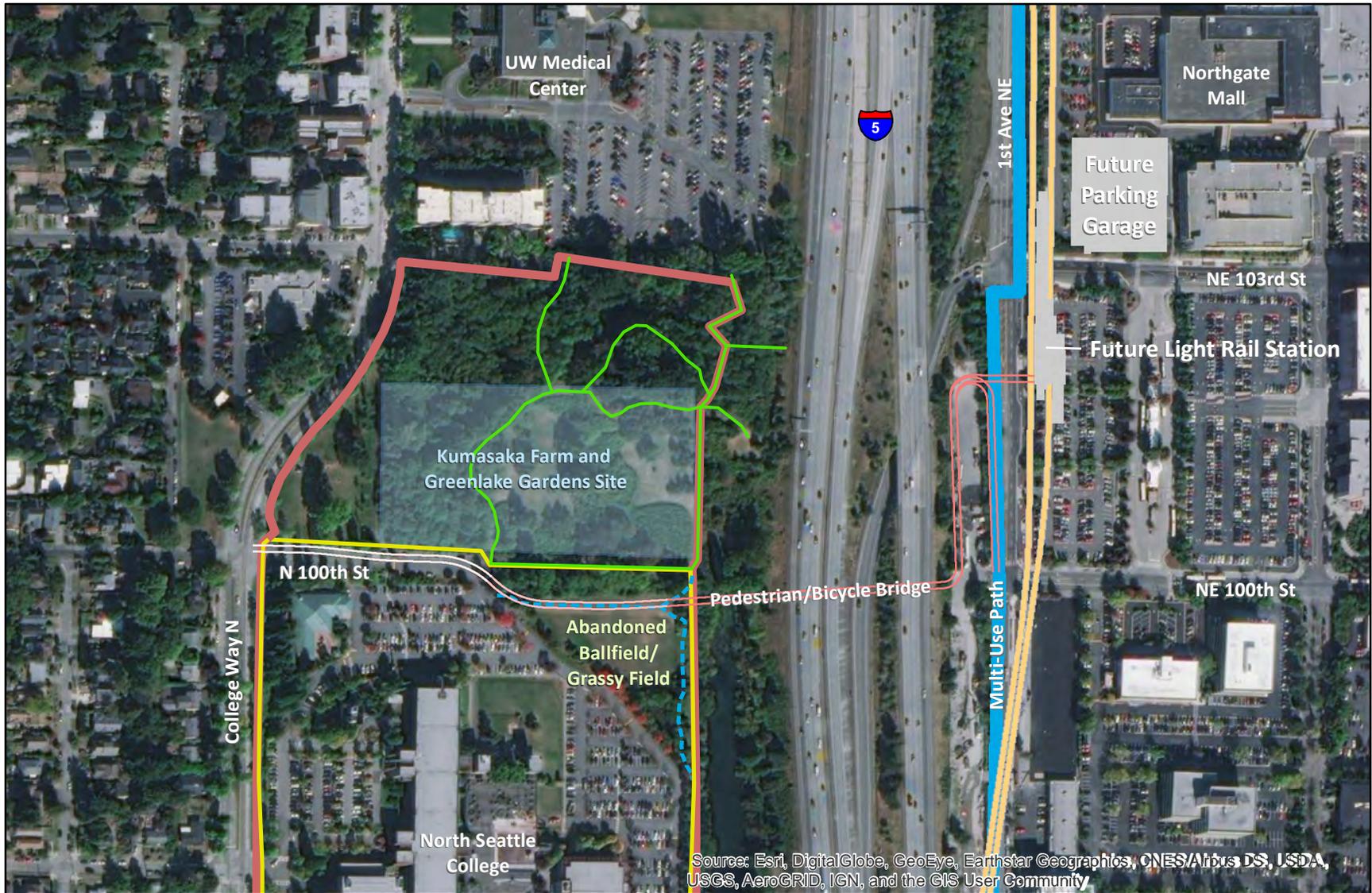
SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

Northgate Pedestrian Bridge Project. 130125

**Figure 2**

Project Location

-  Bridge Structure
-  Earthfill Section
-  16' Wide Multi-Use Path
-  1st Avenue NE Protected Bike Lane (PBL)/Multi-Use Path



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

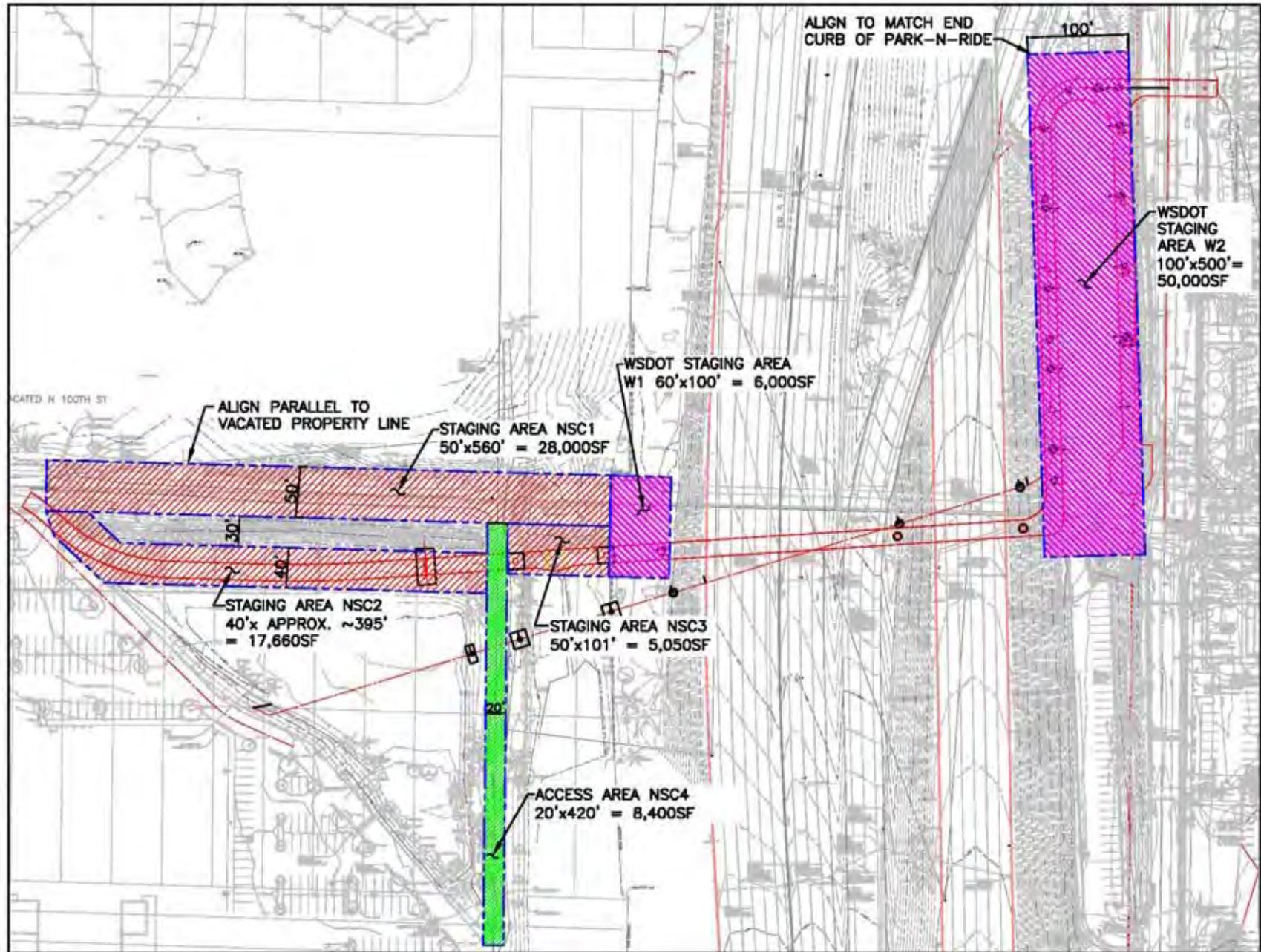
SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

-  Bridge Structure
-  Earthfill Section
-  16' Wide Multi-Use Path
-  1st Avenue NE Multi-Use Path
-  Cranberry Loop
-  Khaki Loop
-  Green Nature Trail
-  Berm Trail
-  Kumasaka Farm Site

Northgate Pedestrian Bridge Project

**Figure 3**

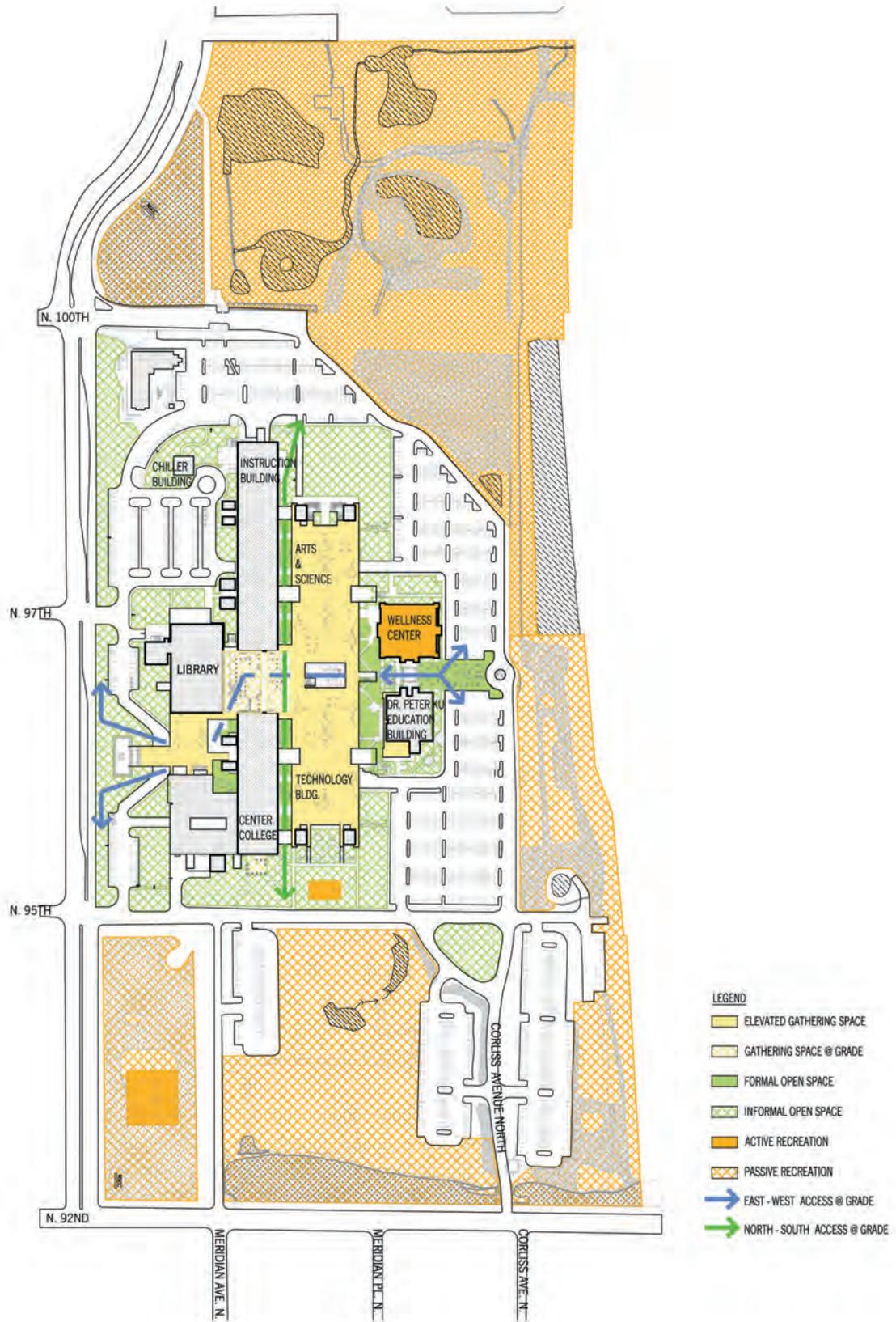
4(f) Resources in the Project Vicinity



Northgate Pedestrian Bridge Project

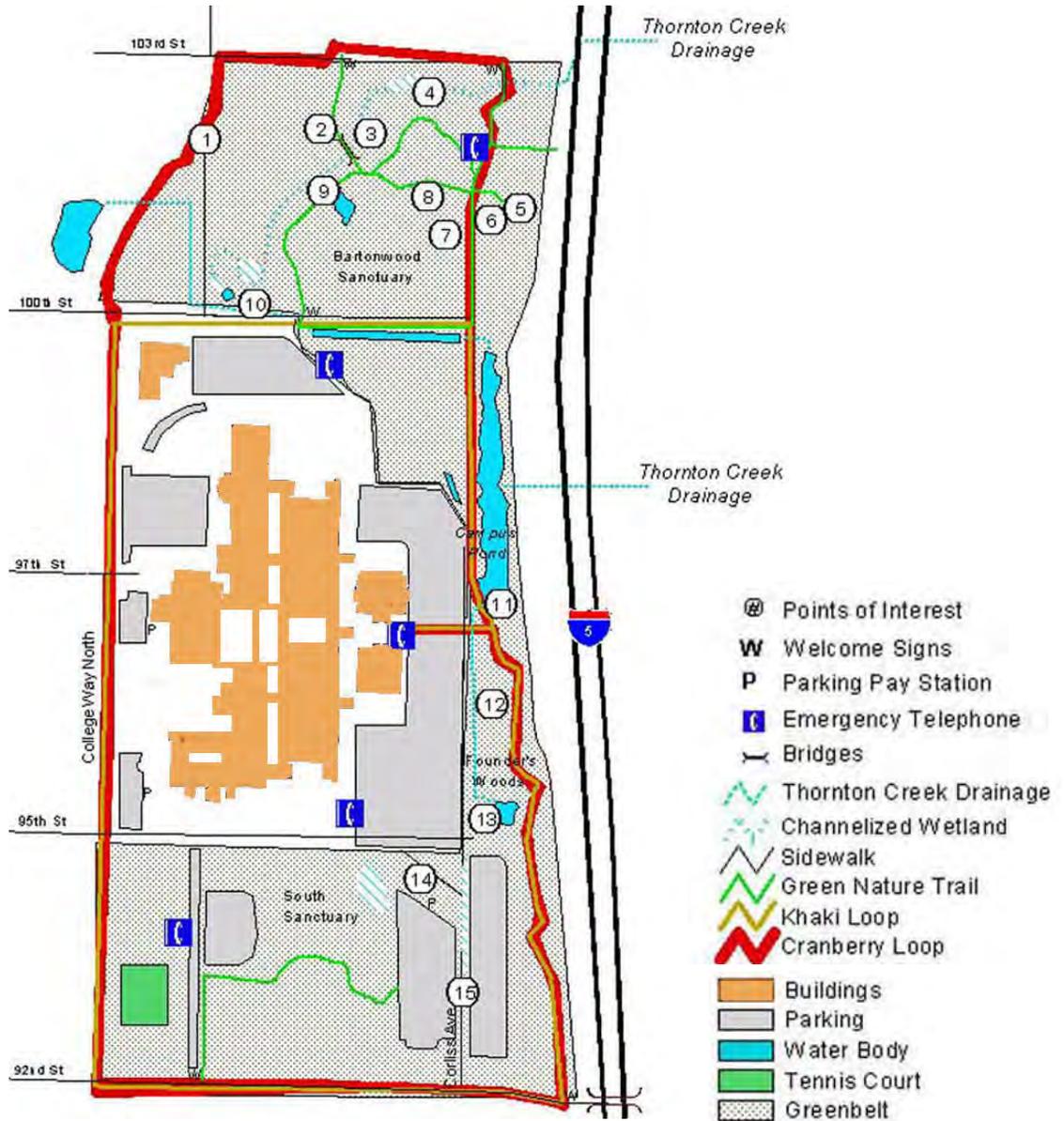
**Figure 4**  
Staging Areas

Figure 5. North Seattle College Open Space



 Existing Gathering & Recreational Spaces

Figure 6. North Seattle College Trail Network



**Figure 7 Photo of North Berm Trail**



Source: Leon Environmental 2017

**Figure 8 Aerial Photo (2015) North Seattle College Abandoned Ballfield/Grassy Field**



Source: King County Imap

**Figure 9 Flooding Winter 2015**



Source: ESA 2015



# ATTACHMENT 1

Concurrence Letter from the North Seattle College dated May 3, 2018





## NORTH SEATTLE COLLEGE

*One of the Seattle Colleges*

May 3, 2018

Mr. Harry Haslam, Local Programs Engineer  
Washington State Department of Transportation  
Northwest Region  
15700 Dayton Avenue, North NB82-121  
PO Box 330310  
Seattle, WA 98133-9710

RE: Northgate Pedestrian and Bicycle Bridge Project  
De Minimis Section 4(f) Evaluation  
(Federal Aid Project Number CM-1775)

Dear Mr. Hasalam:

The City of Seattle is proposing construction of a non-motorized pedestrian/bicycle bridge that will cross Interstate 5 (I-5) in the Northgate area of north-east Seattle (Figures 1 and 2). The project area is generally bounded by College Way N on the west, 1st Avenue NE on the east, Northgate Way on the North and N 92nd Street on the south. The western portion of the project lies within lands owned by the North Seattle College (NSC).

The bridge will be a 16-foot-wide, 1,900-foot-long pedestrian/bicycle facility, including a 360-foot crossing of I-5. On the east side of I-5, ramps will connect to grade level at 1st Avenue NE and NE 100<sup>th</sup> Street. A spur bridge connection will be provided to the Northgate Link Light Rail station. A 10-foot wide protected Bike Lane will be provided along the west side of 1st Avenue NE from NE 92nd Street to NE 103rd Street. On the east side of 1<sup>st</sup> Avenue NE from NE 103<sup>rd</sup> Street to Northgate Way the bicycle facility will be a shared use facility.

On the west side of I-5, the bridge will touch down on the North Seattle College south of vacated N 100th Street crossing over pedestrian paths and wetlands on the campus. The bridge will land on a filled embankment supported by retaining walls on both sides. The landing and rest of the western approach will occupy the space of an existing pedestrian route, the North Berm Trail.

FHWA determined that the following facilities would meet the definition of 4(f) resources:

- The Kumaska Farmhouse and Green Lake Gardens Company site
- Open Space/Greenbelt
- Campus Trail System
- Abandoned Ballfield/Grassy Field

Office of the President

9600 College Way North | Seattle, WA 98103-3599

(206) 934-3601 • Fax: (206) 934-3606

[www.northseattle.edu](http://www.northseattle.edu)

Resource	Impact
Kumasaka Farm Site and Greenlake Gardens Historic Site	De minimis impact. There will be no use of this Section 4(f) resource.
North Seattle College Open Space	<p>The project will cross the Open Space/Greenbelt on an east-west orientation approximately east of vacated N 100<sup>th</sup> Street near the intersection of vacated Corliss Ave N (see Figure 3).</p> <p>This will temporarily displace about 0.2 acre of the Open Space/Greenbelt in the eastern portion of site during construction for use as a staging area</p>
Campus Trail System	<p>The completed bridge will cross over several areas of the Campus Trail System, the Khaki Loop and Cranberry Loop Trails. In addition, temporary construction staging will occur within portions of these trails. The North Berm Trail will be displaced by the west bridge landing. It will however, be replaced at a similar elevation and in a new parallel alignment, south of the existing trail.</p>
Abandoned Ballfield/Grassy Field	<p>The existing abandoned backstop will be removed. However, this feature is no longer in use as trees are growing through it. Some portion of this area may be used for construction access and staging.</p>

We have reviewed the evaluation of impacts and use of the Section 4(f) facilities and we concur that the proposed project, after taking into account avoidance, minimization, mitigation and enhancement measures, will not adversely affect the activities, features, or attributes that make the North Seattle College Trails System, Open Space and Abandoned Ballfield/Grassy Field eligible for Section 4(f) protection. We agree that this project will be a *de minimis* impact on these resources.

Sincerely,



Warren Brown, Ed.D.  
 President, North Seattle College  
 District Vice Chancellor for Educational Partnerships

cc: Amanda Tse, SDOT  
 Sandy Gurkewitz, SDOT

# ATTACHMENT 2

De Minimis Impact Determination for the NSC Open Space/Greenbelt



## Section 4(f) *De Minimis* Impact Determination (per 23 CFR 771)

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### North Seattle College Open Space Area/Greenbelt

#### Summary Table

<b>Date:</b>	April 6, 2018
<b>WSDOT Region:</b>	Northwest Region
<b>Project Number:</b>	CM-TAP-1775(001)
<b>Project:</b>	Northgate Pedestrian and Bicycle Bridge Project
<b>Project Description:</b>	<p>The proposed project would be located in the Northgate area of Seattle (Figures 1 and 2). The project area is generally bounded by College Way N. on the west, 1st Avenue NE on the east, Northgate Way on the North and N 92nd Street on the south. This area is bisected by Interstate 5 (I-5). The western portion of the project lies within undeveloped lands owned by the North Seattle College (NSC).</p> <p>The key elements of the project include the following:</p> <ul style="list-style-type: none"><li>• A 16-foot-wide, 1,900-foot-long pedestrian/bicycle facility, including a 360-foot crossing of I-5.</li><li>• A ramp on the east side of I-5 connecting to grade at 1st Avenue NE</li><li>• A bridge connection to the Northgate Light Rail station over 1st Avenue NE and NE 100th Street</li><li>• Continuation of the bridge on an elevated structure on the NSC campus that transitions to ground via embankment supported by retaining walls on both sides.</li><li>• A connection to the NSC and North College Way via a 16-foot wide multi-use path on the north side of the vacated N 100th Street alignment</li><li>• A 10-foot wide protected bike lane along the west side of 1st Avenue NE from NE 92nd Street to NE 103rd Street and a shared use bicycle/pedestrian facility on the east side of 1st Avenue NE from NE 103rd Street to Northgate Way</li></ul> <p>The project will include stormwater infrastructure improvements and will require on-site staging areas.</p>

<b>Section 4(f) Resource:</b>	North Seattle College Open Space
<b>Type of 4(f) Resource:</b>	Passive Recreation
<b>Size of the <i>de minimis</i> use of the 4(f) Resource (in acres):</b>	The elevated bridge structure will use, approximately 2,500 square feet (0.06 acre) of air space.  This does not include the Campus Trails, which is the subject of a separate <i>de minimis</i> determination.
<b>Primary Purpose/Function of the 4(f) Resource:</b>	Designated Open Space within the NSC campus that provides passive recreation use including walking, watching wildlife and enjoying the amenities of open space.
<b>Official with Jurisdiction:</b>	North Seattle College

**De minimis Documentation**

- 1. Describe the Section 4(f) property and the attributes and features that qualify if to Section 4(f) protection, attach a map showing the boundaries of the resource, the locations of key features (e.g. ball fields, structures) and the area to be used.**

The NSC Open Space/Greenbelt surrounds the campus and is approximately 30 acres in size (see Figure 2); it is defined in the 1995 North Seattle Community College Major Institution Master Plan approved by the City of Seattle.

The Open Space/Greenbelt contain both remnants of historic wetlands and restored wetlands that feed the south branch of Thornton Creek. A system of trails runs through the Open Space/Greenbelt.

The Bartonwood Natural Area (part of the Open Space/Greenbelt) is found at the north end of the campus and was named after a founding Science Faculty member. The Bartonwood Natural Area is an educational resource, not generally open to the public and does not qualify for Section 4(f) protection. This part of the campus is maintained for geological and ecological studies.

The area of open space traversed by the elevated bridge structure includes two north-south trails, over which the bridge will pass, an area of upland with a variety of overstory trees and understory vegetation and the northerly portion of the surge pond stormwater detention facility, which is a wetland.

**2. Describe the impacts to the Section 4(f) property, and any avoidance, minimization and mitigation or enhancement measures, and why they are considered *de minimis* as defined in 23 CFR 771.17.**

The area of Open Space/Greenbelt affected by the project is shown in Figures 4 and 5.

The elevated bridge structure will permanently occupy an area of about 2,500 square feet above the Open Space/Greenbelt on the east side of the NSC site. The location of the bridge above the open space area will displace some trees.

Persons using the existing surface trails will pass beneath the bridge structure briefly and will view the bridge as an elevated human-built structure cutting across the linear view down the trail. The bridge may be perceived as an added element of the urban landscape that is at variance with the predominately vegetated character of the eastern portion of the NSC Open Space/Greenbelt. However, the presence of the I-5 highway to the east, where intermittent views of vehicles are available, and of the multi-story buildings of North Seattle College to the west render the bridge a relatively minor additional element of the built environment.

Permanent noise increases from users of the bridge, such as from conversation or from bicycle bells and avoidance voice signals, will be minor, in the context of the current traffic noise and the noise generated by the college campus and by persons using the existing surface trails.

The overall features and attributes of the approximately 30 acres of open space on the campus will not be changed by the addition of the bridge. The current activities within the open space including passive recreation activities such as walking, watching wildlife and enjoying the enjoying the vegetation amenities of open space will not be impeded by the bridge.

**3. For parks, recreational facilities, and wildlife and waterfowl sanctuaries:**

**a. Describe the public outreach that has been or is being conducted (leave blank for historic sites).**

**Coordination with the North Seattle College**

March 28, 2018	Bi-weekly coordination meeting #5
March 19, 2018	4(f) and landscaping coordination meeting
March 14, 2018	Bi-weekly coordination meeting #4
March 12, 2018	4(f) and berm trail coordination meeting
February 28, 2018	Bi-weekly coordination meeting #3
February 14, 2018	Bi-weekly coordination meeting #2
February 5, 2018	Art concepts meeting
January 31, 2018	Bi-weekly coordination meeting #1
January 17, 2018	Landscaping meeting with consultants and NSC
January 11, 2018	Presentation to Seattle Colleges Board of Trustees
January 9, 2018	NSC meeting #6
January 4, 2018	NSC meeting #5

January 3, 2018	Regulatory meeting on-site with agency representatives, SDOT, NSC
December 20, 2017	Agency coordination meeting with SDOT, NSC, and state legislators
November 28, 2017	Presentation to NSC executive team and NSC community
November 13, 2017	Easement discussion with NSC #3
October 23, 2017	Easement discussion with NSC, #2
October 18, 2017	Easement discussion with NSC, #1
September 29, 2017	On-site meeting with regulatory agency and NSC environmental staff
July 31, 2017	NSC meeting #4
June 29, 2017	NSC meeting #3
May 19, 2017	Meeting with NSC environmental/sustainability staff
May 2, 2017	Presentation to NSC executive team and NSC community
April 3, 2017	NSC meeting #2
March 7, 2017	NSC meeting #1

### Public Meetings

March 21, 2018	Drop-in session at Neighborcare Health at Meridian
March 20, 2018	Drop-in session at Aljoia Thornton Place
March 19, 2018	Drop-in session at North Seattle College
February 8, 2018	Sierra Club
November 28, 2017	North Seattle College campus meeting
November 2, 2017	Haller Lake Community Club
February 8, 2018	Sierra Club
November 28, 2017	North Seattle College campus meeting
November 2, 2017	Haller Lake Community Club
August 13, 2017	Idriss Mosque BBQ
August 9, 2017	Seattle Pedestrian Advisory Board Walking Tour
August 3, 2017	Public open house
July 26, 2017	Maple Leaf Summer Social
July 22, 2017	Live in D5!
June 30, 2017	Department of Neighborhoods Community Conversation Meridian Manor
June 14, 2017	Maple Leaf Community Council
June 14, 2017	Seattle Pedestrian Advisory Board
June 7, 2017	Seattle Bicycle Advisory Board
May 18, 2017	Seattle Design Commission
May 6, 2017	King County Metro Transit Oriented Development public meeting
April 29, 2017	Housing Affordability and Livability community open house (sponsored by Dept. of Neighborhoods)
June 22, 2016	North District Council
May 25, 2016	Feet First
May 18, 2016	Licton Springs Community Council

September 17, 2015	Seattle Design Commission briefing
August 18, 2015	Seattle Design Commission subcommittee meeting
July 29, 2015	Maple Leaf Summer Social
July 15, 2015	North Seattle Chamber of Commerce
June 17, 2015	Licton Springs Community Council
June 17, 2015	Seattle Pedestrian Advisory Board
June 24, 2015	Pinehurst Community Council
May 27, 2015	Northwest District Council Briefing
May 26, 2015	Cascade Bicycle Club: Connect Northgate
May 22, 2015	Seattle Neighborhood Expo
May 12, 2015	Meadowbrook Community Council
May 2015	Seattle Pedestrian Advisory Board
April 29, 2015	Maple Leaf Community Council
April 22, 2015	North Seattle College Earth Day Symposium
October 21, 2014	North Seattle College
September 10, 2014	Public briefing
June 3, 2014	Open house
March 2014	Sound Transit open house
February 2014	Seattle Bicycle Advisory Board
February 2014	Seattle Pedestrian Advisory Board

- b. Attach written concurrence of the official with jurisdiction over the 4(f) resource with the *de minimis* determination.**

The letter agreement with North Seattle College dated May 3, 2018 is attached.

- 4. For historic resource, attach Section 106 documentation (include SHPO concurrence in project-level findings (DOEs and or FOEs) and Programmatic Agreement Memos for archaeological resources).**

Not Applicable

## Request for Approval

Based upon this analysis we request FHWA approval that the use of the Section 4(f) resource described above is *de minimis* as defined in 23 CFR 774.17.

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WSDOT [Region]

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Date

## FHWA Approval

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FHWA Washington Division

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Date

### Figures

Figure 1. Vicinity Map

Figure 2. North Seattle College Open Space

Figure 3. Section 4(f) Resources

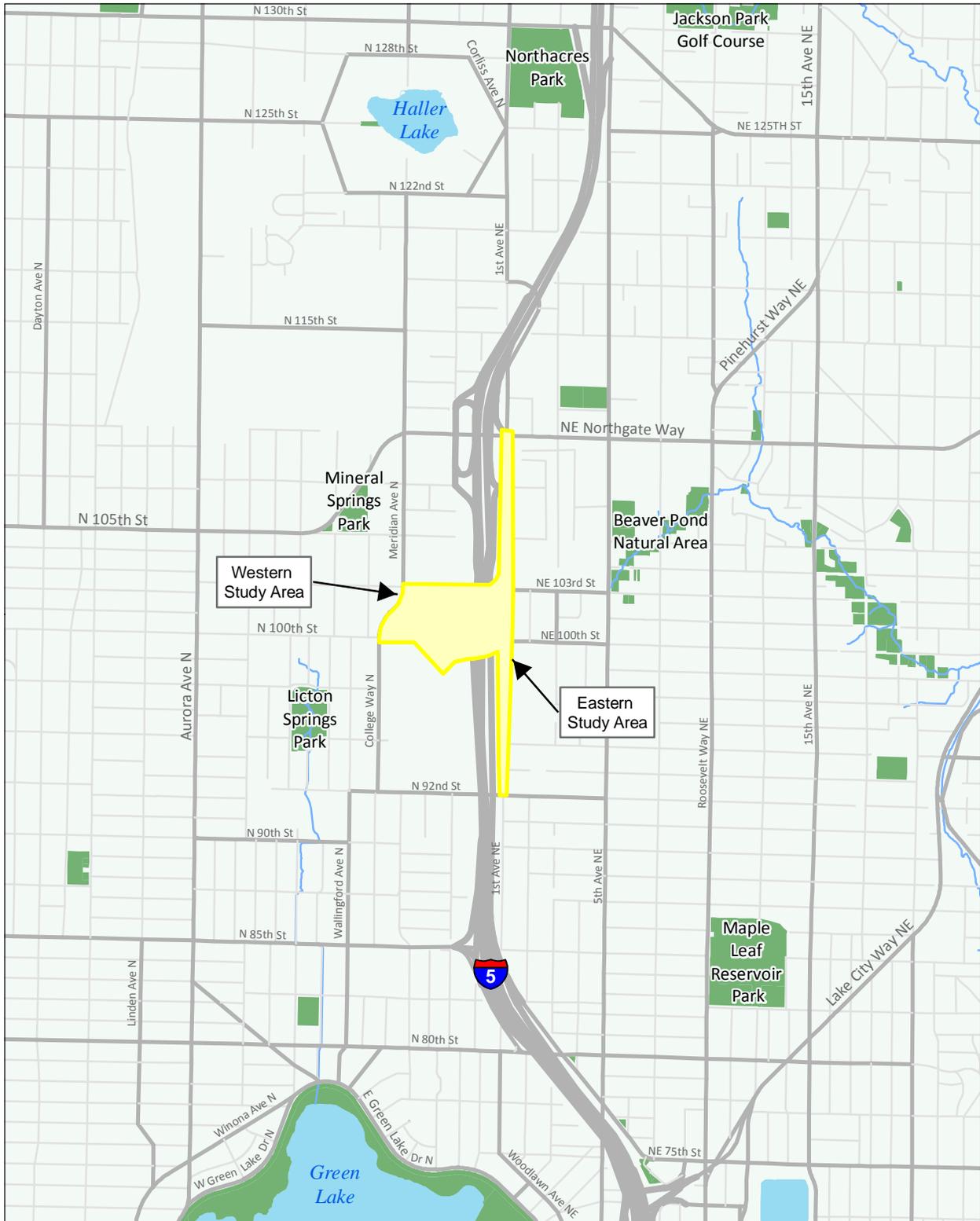
Figure 4. Section 4(f) *de minimis* Occupancy North Seattle College Open Space

Figure 5. Detail - Section 4(f) *de minimis* Occupancy North Seattle College Open Space West of I-5 Right of Way

### References:

North Seattle Community College (NSCC) 1995 Master Plan. Available on the Internet at <https://www.seattle.gov/Documents/Departments/Neighborhoods/MajorInstitutions/NorthSeattleCommunityCollege/FinalMasterPlan-2005-08.pdf>

North Seattle Community College (NSCC) 2007 Long Range Campus Master Plan. Available on the Internet at: [https://facweb.northseattle.edu/smcDonald/PedBridge%20SoundT/nsc\\_long\\_range\\_campus\\_plan.pdf](https://facweb.northseattle.edu/smcDonald/PedBridge%20SoundT/nsc_long_range_campus_plan.pdf)

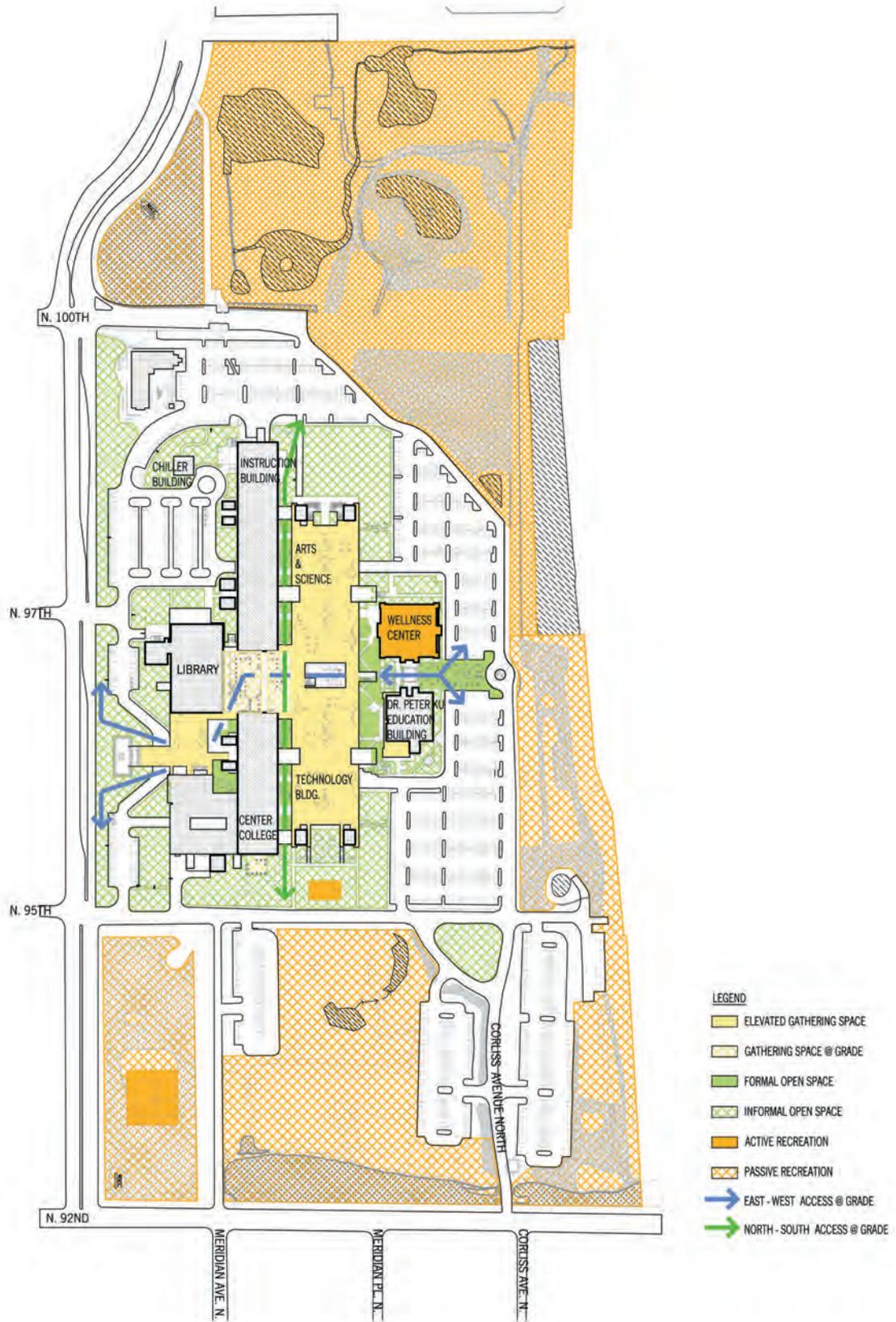


SOURCE: City of Seattle 2017

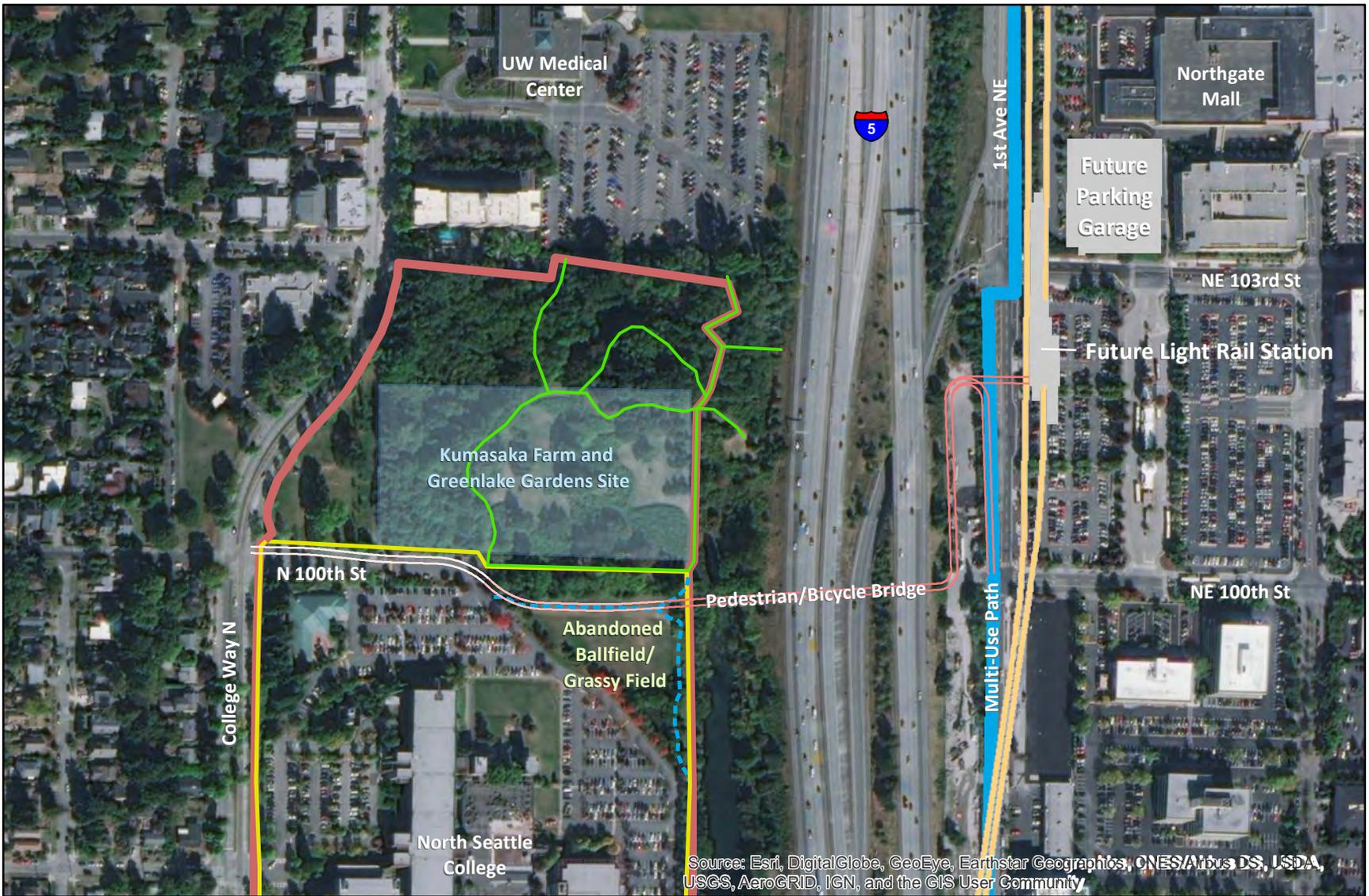
Northgate Pedestrian Bridge Project

**Figure 1**  
Project Vicinity

Figure 5. North Seattle College Open Space



 Existing Gathering & Recreational Spaces



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |  |                              |   |                    |   |                    |
|--|------------------------------|---|--------------------|---|--------------------|
|  | Bridge Structure             |  | Cranberry Loop     |  | Kumasaka Farm Site |
|  | Earthfill Section            |  | Khaki Loop         |   |                    |
|  | 16' Wide Multi-Use Path      |  | Green Nature Trail |   |                    |
|  | 1st Avenue NE Multi-Use Path |  | Berm Trail         |   |                    |

### Northgate Pedestrian Bridge Project

**Figure 3**

4(f) Resources in the Project Vicinity





SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |                         |   |                    |  |  |
|---|-------------------------|---|--------------------|--|--|
|  | Bridge Structure        |  | Cranberry Loop     |  | Kumasaka Farm Site                             |
|  | Earthfill Section       |  | Khaki Loop         |  | Area of <i>de minimis</i> use of 4(f) Resource |
|  | 16' Wide Multi-Use Path |  | Green Nature Trail |  |  |
|  | I-5 Right-of-Way        |  | Berm Trail         |  |  |

Northgate Pedestrian Bridge Project  
**Figure 5**  
 Section 4(f) *De Minimis* Use  
 North Seattle College Open Space –  
 Detail – Open Space West of I-5 Right-of-Way



# ATTACHMENT 3

De Minimis Impact Determination for the NSC Campus Trail System



## Section 4(f) *De Minimis* Impact Determination (per 23 CFR 771)

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### North Seattle College Campus Trail System

#### Summary Table

<b>Date:</b>	April 6, 2018
<b>WSDOT Region:</b>	Northwest Region
<b>Project Number:</b>	CM-TAP-1775(001)
<b>Project:</b>	Northgate Pedestrian and Bicycle Bridge Project
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<b>Section 4(f) Resource:</b>	North Seattle College Campus Trail System <ul style="list-style-type: none"> <li>• Trail on the vacated N 100th Street alignment, the Khaki Loop Trail</li> <li>• The North Berm Trail and a short portion of the north-south alignment of the Khaki and Cranberry Loop Trails</li> </ul>
<b>Type of 4(f) Resource:</b>	Passive Recreation
<b>Size of the <i>de minimis</i> use of the 4(f) Resource (in acres):</b>	500 linear feet of trail, approximately, 8,500 square feet (0.37 acre) out of about 1.5 miles of existing trails within approximately 30 acres of designated open space within the NSC campus
<b>Primary Purpose/Function of the 4(f) Resource:</b>	Recreational trail within college open space
<b>Official with Jurisdiction:</b>	North Seattle College

**De minimis Documentation**

- 1. Describe the Section 4(f) property and the attributes and features that qualify if to Section 4(f) protection, attach a map showing the boundaries of the resource, the locations of key features (e.g. ball fields, structures) and the area to be used.**

The NSC campus includes approximately 1.5 miles of trails used by students, college faculty and the public. These trails, run along the perimeter and through portions of the NSC campus. The trail system meanders through the OpenSpace/Greenbelt extending south from the Bartonwood Natural Area, along the east side of campus, next to the I-5 freeway, and across the south end of campus (see Figure 2). It connects to College Way N both on the north and south ends of the campus.

The “Khaki Loop” trail, as identified in the NSC’s 2007 Long Range Plan, is located along the vacated N 100th Street alignment, and extends east from the College Way N and combines with a perimeter trail called “Cranberry Loop”, which is located in the north-south vacated Corliss Avenue N (see Figures 2, 3, 6 and 7). The ‘formal’ east-west trail ends at the driveway and entrance to the NSC north parking lot. The trail continues informally to the west on the northerly side of vacated N 100th Street connecting to College Way N.

The Khaki Loop and Cranberry Loop Trails continue to the south as a single trail to the area referred to as the “Founders Forest” (at about the alignment of N. 97th Street) where it splits

into two trails. The western portion of the trail passes through the Founders Forest, an area of planted blue spruce.

The North Berm Trail, recently identified by NSC, is located on the northern edge of the abandoned ballfield, south of Watercourse/Wetland 5 (see Figures 3, 4 and 5). According to NSC staff, this trail is used when the other trails at a lower elevation are muddy. There is no signage to the North Berm Trail like there is for the rest of the trail system. However, there is clear entry from the east and south near the parking lot and a bridge over the overflow channel for the grassy detention facility. A foot-traffic worn trail extends through a portion of the grassy berm and through a clump of trees at the abandoned ballfield backstop (see Figure 5). At the northern end of the trail, there is an easily identified slope leading to the trails on the vacated N Corliss Avenue.

There is an existing abandoned-in-place ballfield backstop along eastern edge of the North Berm Trail. This will be displaced; however, this feature is no longer in use since the ballfield was displaced in the mid-1990s by the stormwater basin, and it is unusable as trees are growing through it (see Figure 5).

**2. Describe the impacts to the Section 4(f) property, and any avoidance, minimization and mitigation or enhancement measures, and why they are considered de minimis as defined in 23 CFR 771.17.**

There are two portions of the North Seattle College Campus Trail System affected by the project:

- A small part of the trail on the vacated N 100th Street alignment, the Khaki Loop Trail
- The North Berm Trail and a short portion of the north-south alignment of the Khaki and Cranberry Loop Trails

The portion of the existing trail on the vacated N 100th Street alignment affected by the project is a small sliver north of the existing curb (see Figure 7). This part of the trail will be impacted by a new 400-foot long multi-use path in the western portion of the project, which will formalize the western portion of the Khaki Loop Trail, and connect it to College Way N. The proposed multi-use path is largely within the paved area currently used for entry and parking.

The filled embankment portion of the project's western approach through the NSC campus will land on and displace the North Berm Trail (see Figure 6). The North Berm Trail, however, will be replaced at a similar elevation and in a new parallel alignment, south of the existing trail at the same elevation.

The elevated portion of the bridge will cross over the Khaki Loop and Cranberry Loop Trails (see Figure 6). These trails would experience the visual element of the elevated bridge crossing,

which would be visible along that trail corridor. However, the elevated portion of the project will not interfere with the recreational use of these trails.

The 2012 Northgate Pedestrian Bridge Feasibility Study considered two alignments located north of N 100th Street which were eliminated because they would traverse the Kumasaka Farm Site and Greenlake Gardens historic site, and would displace wetlands and wetland buffers, as well as degrade wildlife and recreation resources of the Bartonwood Natural Area.

The study also included an alignment on the vacated N 100<sup>th</sup> Street which was recommended for further evaluation. SDOT completed additional analyses and another round of screening as documented in SDOT’s Alternative Development and Selection Report (November 2014). SDOT rejected the N 100<sup>th</sup> Street alignment because it would permanently displace a portion of the Khaki Loop Trail in this area and would be constructed on top of existing Seattle utility lines that connect across I-5.

In 2016, an alignment about 150 feet to the south of the vacated N 100th Street alignment was rejected because of wetland buffer impacts and because it crossed and filled a portion of a NSC stormwater detention basin, which also has informal recreation use and is a 4(f) resource.

The current proposal, illustrated in Figures 3, 6 and 7, was shifted further to the north and placed about 60 feet south of the vacated N 100th Street alignment between the Watercourse/ Wetland 5 and the stormwater basin, thereby minimizing impacts to wetlands, and avoiding the grassy flat portion of the basin used for informal recreation.

This alignment will displace the North Berm Trail, but it will be replaced at a similar elevation and in a parallel alignment to the bridge, immediately south of the existing trail. After taking into account avoidance, minimization, mitigation and enhancement measures, the project will not adversely affect the activities, features, or attributes of the North Berm Trail that qualifies it for Section 4(f) protection.

- 3. For parks, recreational facilities, and wildlife and waterfowl sanctuaries:**
  - a. Describe the public outreach that has been or is being conducted (leave blank for historic sites).**

**Coordination with the North Seattle College**

March 28, 2018	Bi-weekly coordination meeting #5
March 19, 2018	4(f) and landscaping coordination meeting
March 14, 2018	Bi-weekly coordination meeting #4
March 12, 2018	4(f) and berm trail coordination meeting
February 28, 2018	Bi-weekly coordination meeting #3
February 14, 2018	Bi-weekly coordination meeting #2
February 5, 2018	Art concepts meeting
January 31, 2018	Bi-weekly coordination meeting #1
January 17, 2018	Landscaping meeting with consultants and NSC

January 11, 2018	Presentation to Seattle Colleges Board of Trustees
January 9, 2018	NSC meeting #6
January 4, 2018	NSC meeting #5
January 3, 2018	Regulatory meeting on-site with agency representatives, SDOT, NSC
December 20, 2017	Agency coordination meeting with SDOT, NSC, and state legislators
November 28, 2017	Presentation to NSC executive team and NSC community
November 13, 2017	Easement discussion with NSC #3
October 23, 2017	Easement discussion with NSC, #2
October 18, 2017	Easement discussion with NSC, #1
September 29, 2017	On-site meeting with regulatory agency and NSC environmental staff
July 31, 2017	NSC meeting #4
June 29, 2017	NSC meeting #3
May 19, 2017	Meeting with NSC environmental/sustainability staff
May 2, 2017	Presentation to NSC executive team and NSC community
April 3, 2017	NSC meeting #2
March 7, 2017	NSC meeting #1

### Public Meetings

March 21, 2018	Drop-in session at Neighborcare Health at Meridian
March 20, 2018	Drop-in session at Aljoia Thornton Place
March 19, 2018	Drop-in session at North Seattle College
February 8, 2018	Sierra Club
November 2, 2017	Haller Lake Community Club
August 13, 2017	Idriss Mosque BBQ
August 9, 2017	Seattle Pedestrian Advisory Board Walking Tour
August 3, 2017	Public open house
July 26, 2017	Maple Leaf Summer Social
July 22, 2017	Live in D5!
June 30, 2017	Department of Neighborhoods Community Conversation Meridian Manor
June 14, 2017	Maple Leaf Community Council
June 14, 2017	Seattle Pedestrian Advisory Board
June 7, 2017	Seattle Bicycle Advisory Board
May 18, 2017	Seattle Design Commission
May 6, 11 AM-1 PM	King County Metro Transit Oriented Development public meeting
April 29, 2017	Housing Affordability and Livability community open house (sponsored by Dept. of Neighborhoods)
June 22, 2016	North District Council
May 25, 2016	Feet First
May 18, 2016	Licton Springs Community Council
May 17, 2016	Victory Heights Community Council
May 16, 2016	North Seattle College (Campus meeting)
May 5, 2016	North Seattle College (students)
October 15, 2015	Public open house
September 17, 2015	Seattle Design Commission briefing

August 18, 2015	Seattle Design Commission subcommittee meeting
July 29, 2015	Maple Leaf Summer Social
July 15, 2015	North Seattle Chamber of Commerce
June 17, 2015	Licton Springs Community Council
June 17, 2015	Seattle Pedestrian Advisory Board
June 24, 2015	Pinehurst Community Council
May 27, 2015	Northwest District Council Briefing
May 26, 2015	Cascade Bicycle Club: Connect Northgate
May 22, 2015	Seattle Neighborhood Expo
May 12, 2015	Meadowbrook Community Council
May 2015	Seattle Pedestrian Advisory Board
April 29, 2015	Maple Leaf Community Council
April 22, 2015	North Seattle College Earth Day Symposium
October 21, 2014	North Seattle College
September 10, 2014	Public briefing
June 3, 2014	Open house
March 2014	Sound Transit open house
February 2014	Seattle Bicycle Advisory Board
February 2014	Seattle Pedestrian Advisory Board

- b. Attach written concurrence of the official with jurisdiction over the 4(f) resource with the *de minimis* determination.**

The letter of agreement from the North Seattle College dated May 3, 2018 is attached.

- 4. For historic resource, attach Section 106 documentation (include SHPO concurrence in project-level findings (DOEs and or FOEs) and Programmatic Agreement Memos for archaeological resources).**

Not applicable.

## Request for Approval

Based upon this analysis we request FHWA approval that the use of the Section 4(f) resource described above is *de minimis* as defined in 23 CFR 774.17.

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WSDOT [Region]

Date

## FHWA Approval

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FHWA Washington Division

Date

### Figures

Figure 1. Vicinity Map

Figure 2. North Seattle College Trail System

Figure 3. Section 4(f) *de minimis* Use North Seattle College Trails

Figure 4. Aerial Photo (2015) Existing Condition of Trails

Figure 5. Photo, North Berm Trail and Abandoned Ballfield Backstop

Figure 6. Detail - Section 4(f) *de minimis* Use North Berm Trail, Khaki Loop and Cranberry Loop Trails

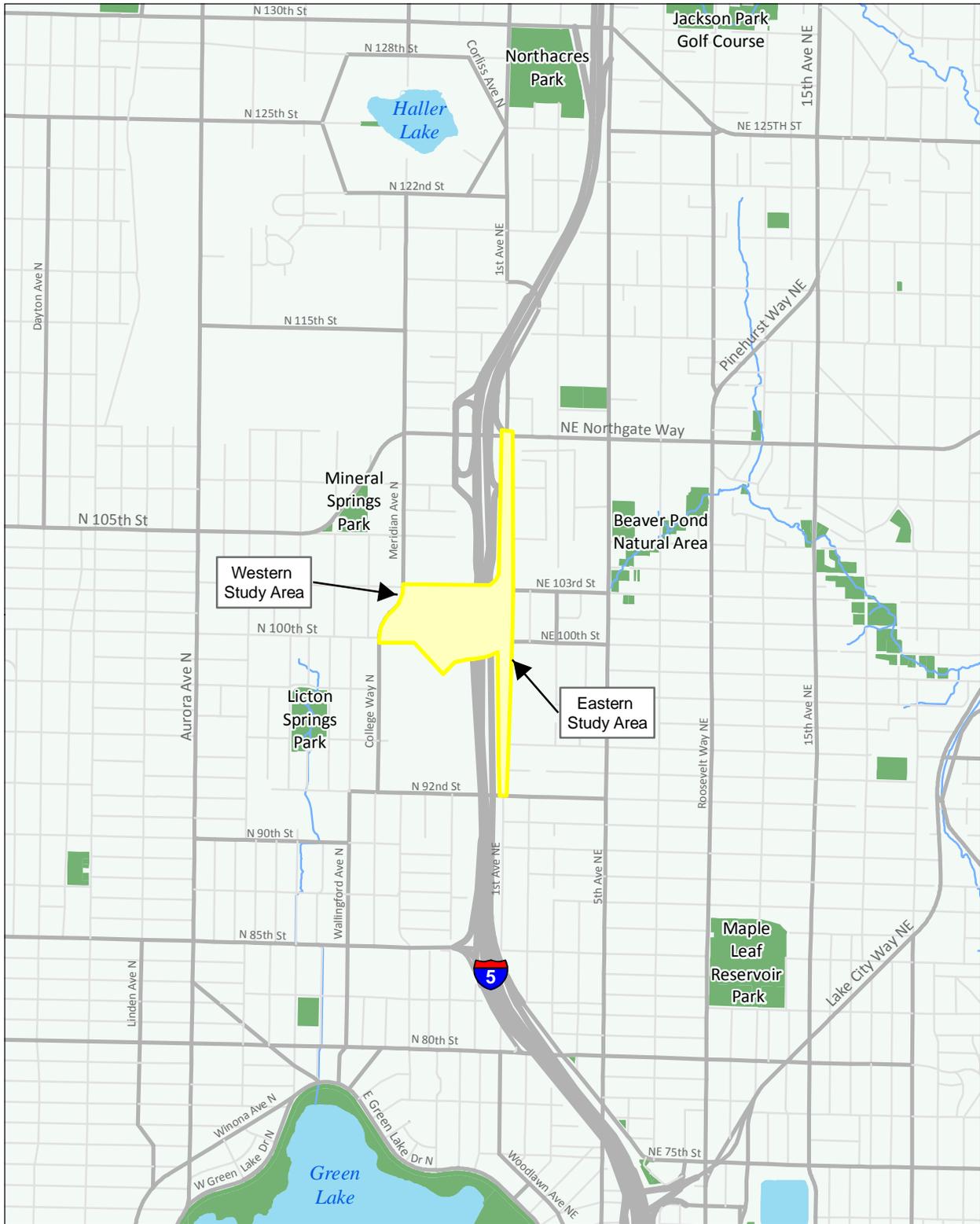
Figure 7. Detail - Section 4(f) *de minimis* Use Khaki Trail East of College Way

### References:

North Seattle Community College (NSCC) 1995 Master Plan. Available on the Internet at <https://www.seattle.gov/Documents/Departments/Neighborhoods/MajorInstitutions/NorthSeattleCommunityCollege/FinalMasterPlan-2005-08.pdf>

North Seattle Community College (NSCC) 2007 Long Range Campus Master Plan. Available on the Internet at: <https://facweb.northseattle.edu/smcdonald/PedBridge%20SoundT/nscclongrangeplan.pdf>



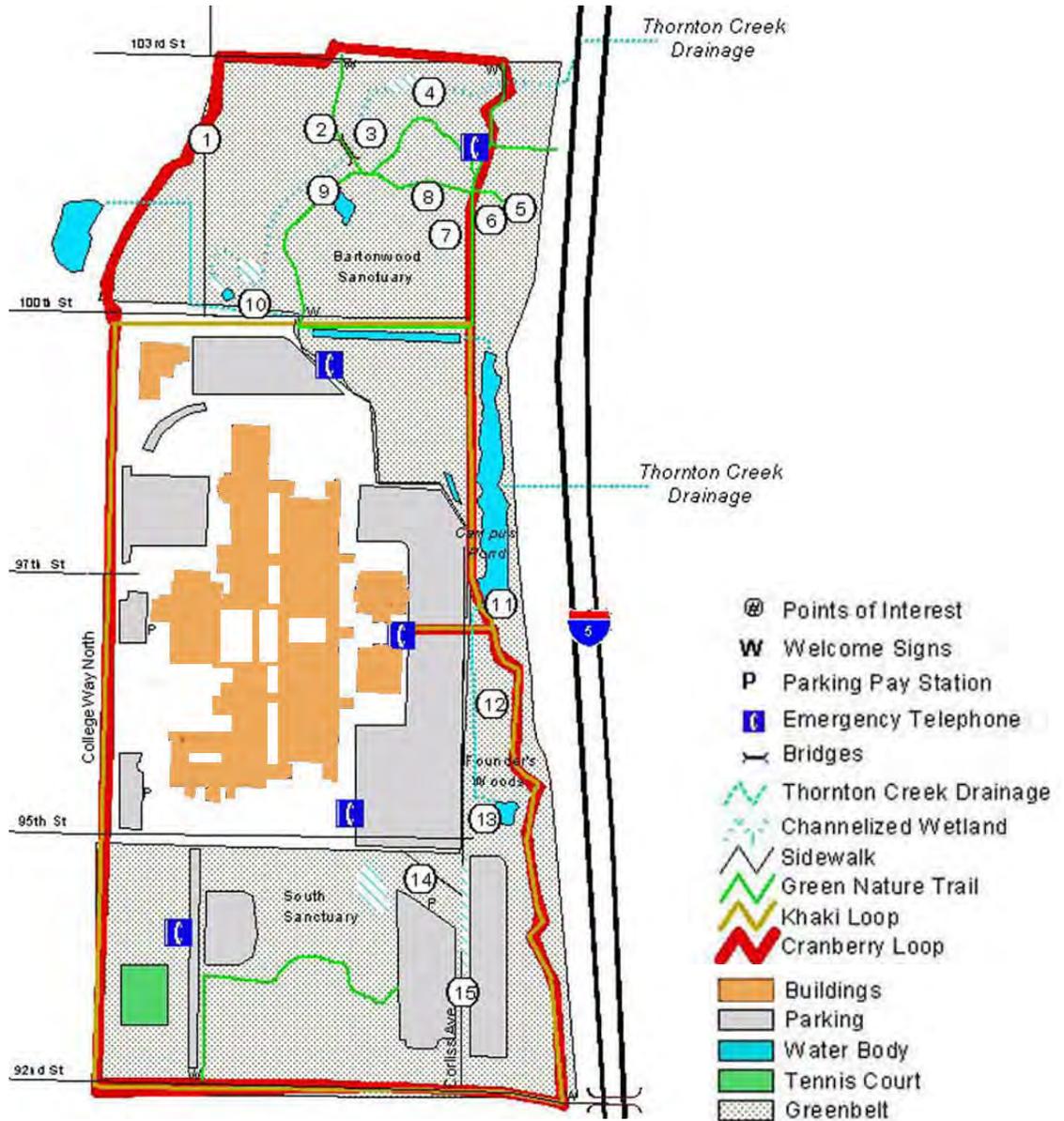


SOURCE: City of Seattle 2017

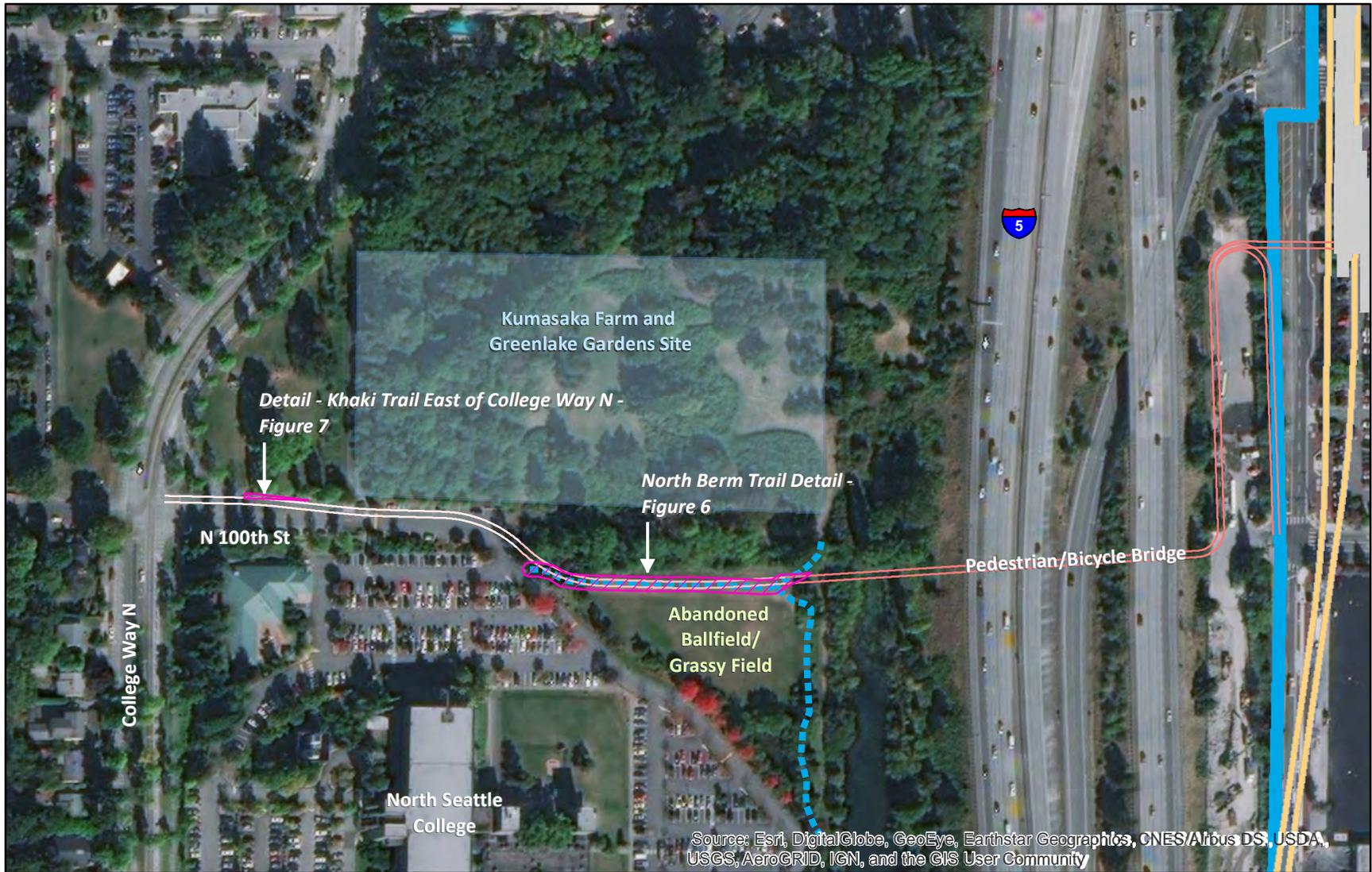
Northgate Pedestrian Bridge Project

**Figure 1**  
Project Vicinity

Figure 2. North Seattle College Trail Network



Perimeter Trail System



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |  |  |   |
|--|--|---|
|  Bridge Structure             |  Cranberry Loop     |  Kumasaka Farm Site                             |
|  Earthfill Section            |  Khaki Loop         |  Area of <i>de minimis</i> use of 4(f) Resource |
|  16' Wide Multi-Use Path      |  Green Nature Trail |   |
|  1st Avenue NE Multi-Use Path |  Berm Trail         |   |

### Northgate Pedestrian Bridge Project

**Figure 3**  
 Section 4(f) *De Minimis* Use  
 North Seattle College  
 Trails

**Figure 4 Aerial Photo (2015) Existing Condition of Trails**

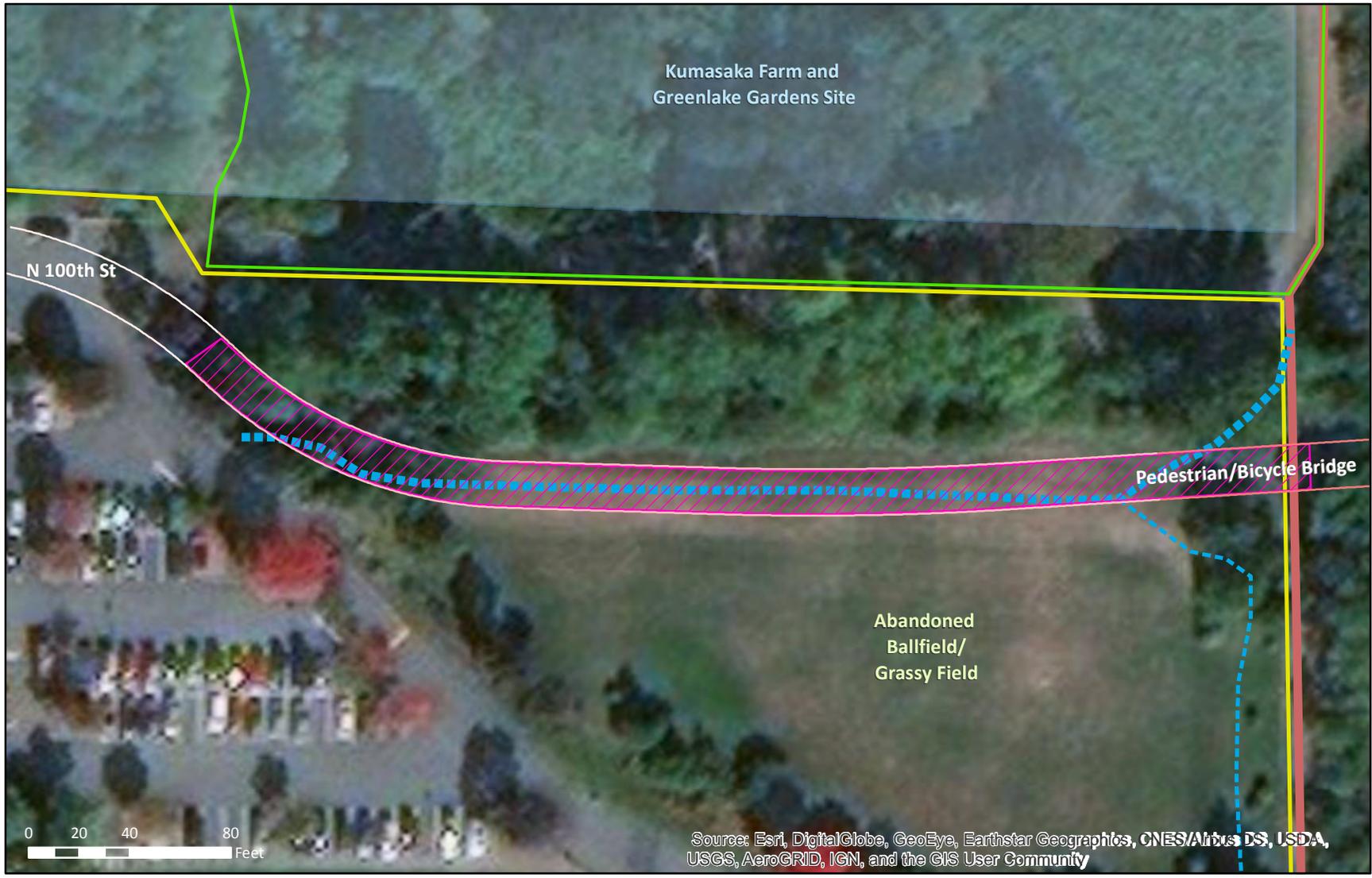


Source: King County Imap

**Figure 5 Photo of North Berm Trail and Abandoned Ballfield Backstop**



Source: Leon Environmental 2017



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

-  Bridge Structure
-  Earthfill Section
-  16' Wide Multi-Use Path
-  Cranberry Loop
-  Khaki Loop
-  Green Nature Trail
-  Berm Trail
-  Kumasaka Farm Site
-  Area of *de minimis* use of 4(f) Resource

Northgate Pedestrian Bridge Project  
**Figure 6**  
 Section 4(f) *De Minimis* Use  
 North Seattle College Trails –  
 Detail – Impacts North Berm Trail  
 Impacts Khaki and Cranberry Loop Trails



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

### Northgate Pedestrian Bridge Project

-  Bridge Structure
-  Earthfill Section
-  16' Wide Multi-Use Path

-  Cranberry Loop
-  Khaki Loop
-  Green Nature Trail
-  Berm Trail

-  Kumasaka Farm Site
-  Area of *de minimis* use of 4(f) Resource

**Figure 7**

Section 4(f) *De Minimis* Use

North Seattle College Trails

Detail – Impacts of Khaki Trail East of College Way N

# ATTACHMENT 4

Temporary Occupancy Approval – Abandoned Ballfield/Grassy Field



## Section 4(f) Temporary Occupancy Approval (per 23 CFR 774.13(d))

### Abandoned Ballfield/Grassy Field

#### Summary Table

<b>Date:</b>	April 6, 2018
<b>WSDOT Region:</b>	Northwest
<b>Project Number:</b>	CM-TAP-1775(001)
<b>Project:</b>	Northgate Pedestrian and Bicycle Bridge Project
<b>Project Description:</b>	<p>The proposed project would be located in the Northgate area of Seattle (Figures 1 and 2). The project area is generally bounded by College Way N. on the west, 1st Avenue NE on the east, Northgate Way on the North and N 92nd Street on the south. This area is bisected by Interstate 5 (I-5). The western portion of the project lies within undeveloped lands owned by the North Seattle College (NSC).</p> <p>The key elements of the project include the following:</p> <ul style="list-style-type: none"><li>• A 16-foot-wide, 1,900-foot-long pedestrian/bicycle facility, including a 360-foot crossing of I-5.</li><li>• A ramp on the east side of I-5 connecting to grade at 1st Avenue NE</li><li>• A bridge connection to the Northgate Light Rail station over 1st Avenue NE</li><li>• Continuation of the bridge on an elevated structure on the NSC campus that transitions to ground via embankment supported by retaining walls on both sides.</li><li>• A connection to the NSC and North College Way via a trail on the north side of the vacated N 100th Street alignment.</li><li>• A 10-foot wide protected bike lane along the west side of 1st Avenue NE from NE 92nd Street to NE 103rd Street and a shared use bicycle/pedestrian facility on the east side of 1st Avenue NE from NE 103rd Street to Northgate Way</li></ul> <p>The project will include stormwater infrastructure improvements and will require on-site staging areas.</p>
<b>Section 4(f) Resource:</b>	Abandoned Ballfield/Grassy Field

<b>Type of 4(f) Resource:</b>	Passive Recreation
<b>Impact on 4(f) Resource:</b>	Temporary occupancy of a portion of the Abandoned Ballfield/Grassy Field will be for access for construction of the west approach and relocated North Berm Trail.
<b>Official with Jurisdiction:</b>	North Seattle College

**Describe how the conditions for Temporary Occupancy are met**

- 1. Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land.**

The occupancy will be for access for construction of the west approach and the relocated North Berm Trail (Figure 3). Construction of the entire project will be approximately 18-20 months.

The construction and staging areas are not part of permanent bridge or relocated facilities and will be vacated and restored to their previous condition after the completion of the bridge structural elements but before the completion of bridge details such as railings and lighting and prior to final site completion and landscaping.

The temporary occupancy will be one to 60 days less than the duration of construction.

- 2. Scope of the work must be minor, i.e., both the nature and the magnitude of the changes of the Section 4 (f) property are minimal.**

Prior to initiation of construction, a portion of the Abandoned Ballfield/Grassy Field will be closed to college personnel and the general public for safety and to allow construction of the relocated North Berm Trail.

The temporary occupancy will total about 9,000 square feet, or 0.21 acres (Figures 4 and 5).

During construction, the balance of the college open space and recreation area of about 30 acres, and trail system of about 1.5 miles within the open space portion of the campus, will be available to college students, staff and faculty and to the general public for passive recreation. Other grassy passive recreation areas are present at the northwest and southwest corners of the campus. Detours will be designated to allow users to safely avoid the construction site while preserving continuity of movement on the trails.

- 3. There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis.**

The areas temporarily disturbed for construction will experience minor clearing and may experience some minor excavation. After construction is completed, the area will be restored to its previous configuration, and will be available again for informal passive recreation.

4. **The land being used must be fully restored, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project.**

After construction is completed, the area will be restored to its previous configuration, and will be available for passive recreation use.

5. **There must be documented agreement of the official(s) with jurisdiction over the section 4(f) resource regarding the above conditions.**

The letter of agreement with the North Seattle College dated May 3, 2018 is attached.

### Request for Approval

Based upon this analysis we request FHWA concurrence that this project's temporary occupancy of the section 4(f) resource described above satisfies the conditions set forth in 23 CFR 771.13(d) and is so minimal as to not constitute a use within the meaning of Section 4(f).

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WSDOT [Region]

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Date

### FHWA Approval

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FHWA Washington Division

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Date

### Figures

Figure 1. Vicinity Map

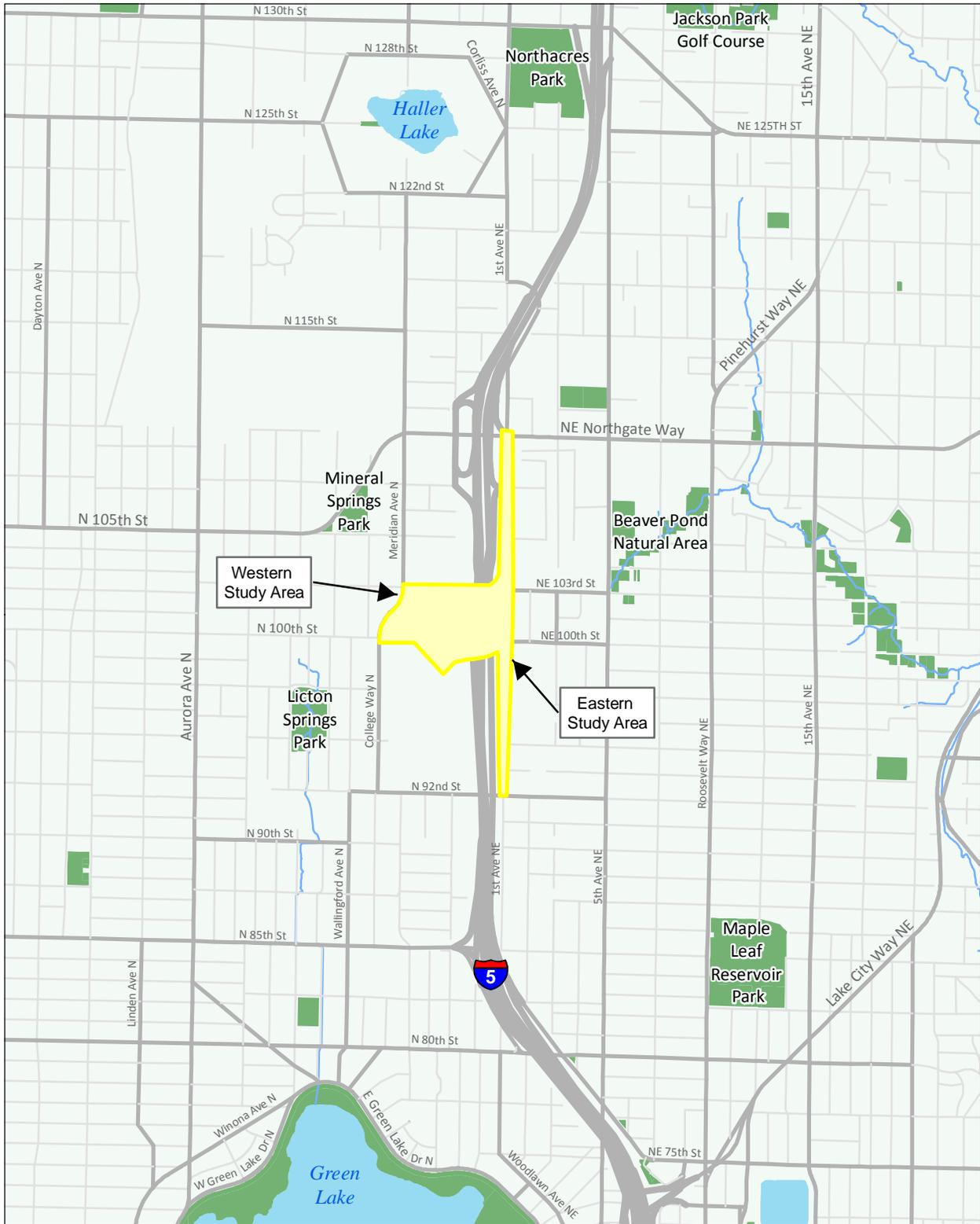
Figure 2. North Seattle College Open Space

Figure 3. Proposed Staging Areas

### References:

North Seattle Community College (NSCC) 1995 Master Plan. Available on the Internet at <https://www.seattle.gov/Documents/Departments/Neighborhoods/MajorInstitutions/NorthSeattleCommunityCollege/FinalMasterPlan-2005-08.pdf>

North Seattle Community College (NSCC) 2007 Long Range Campus Master Plan Available on the Internet at: [https://facweb.northseattle.edu/smcdonald/PedBridge%20SoundT/nscc\\_long\\_range\\_campus\\_plan.pdf](https://facweb.northseattle.edu/smcdonald/PedBridge%20SoundT/nscc_long_range_campus_plan.pdf)

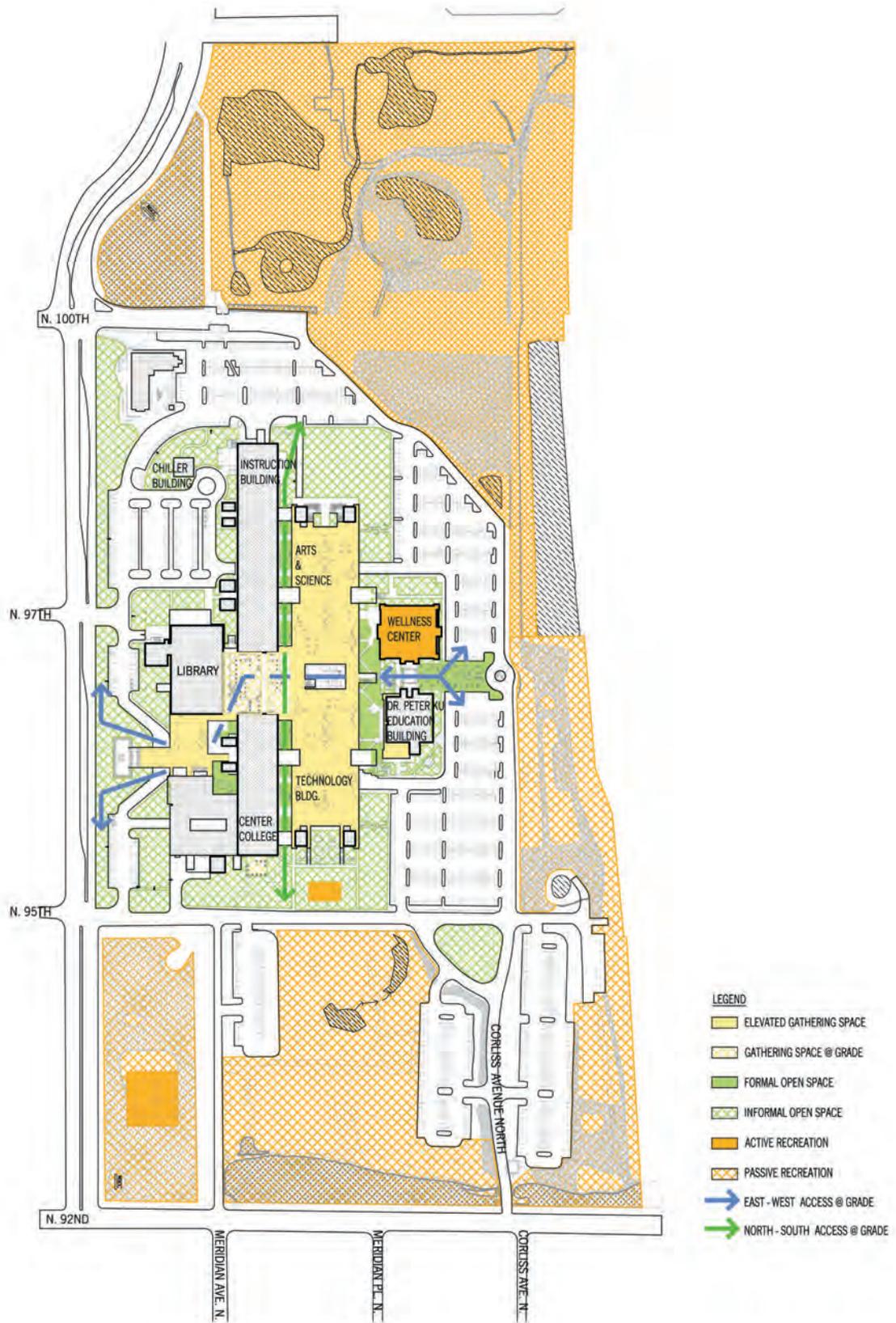


SOURCE: City of Seattle 2017

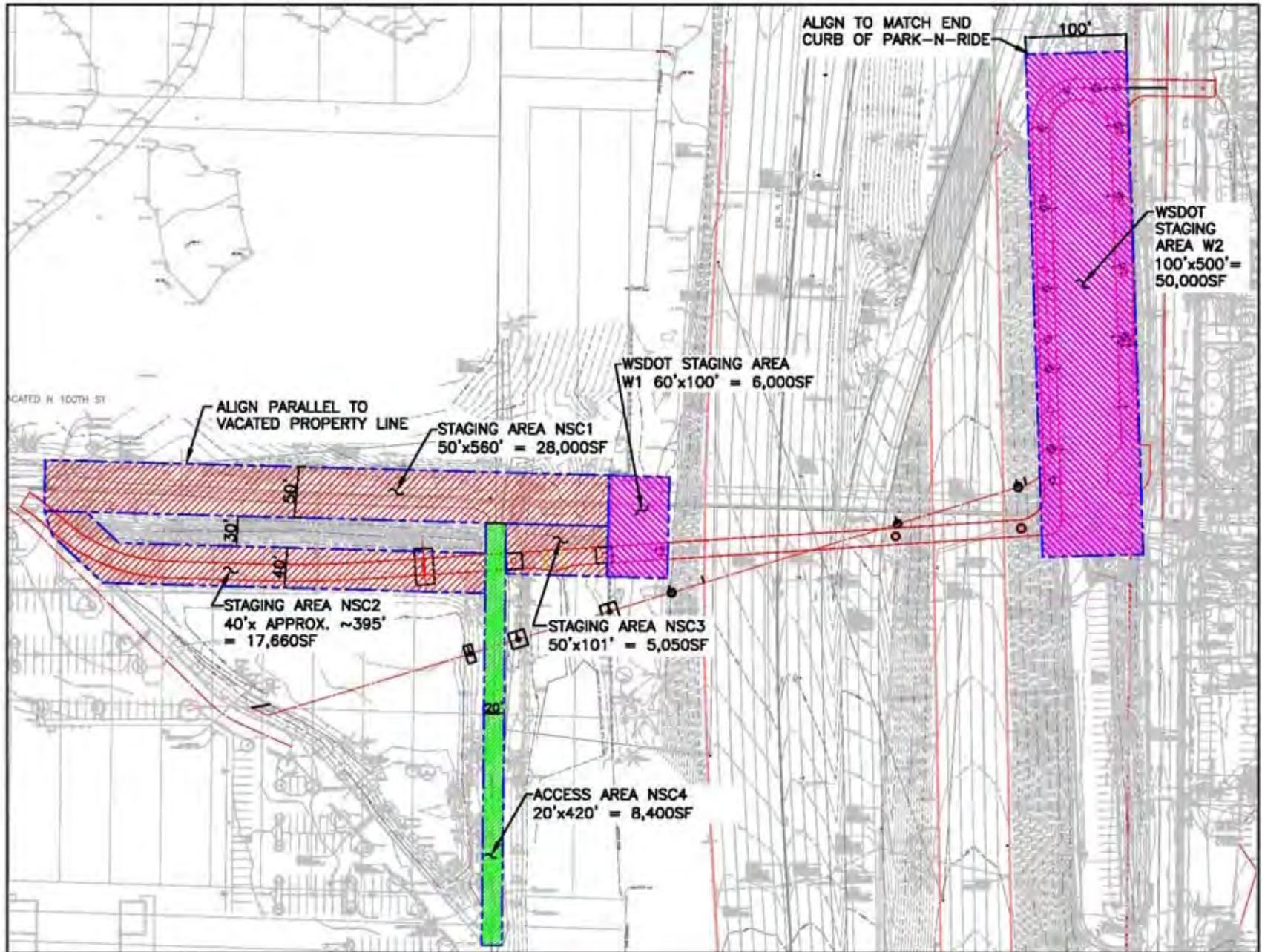
Northgate Pedestrian Bridge Project

**Figure 1**  
Project Vicinity

**Figure 2. North Seattle College Open Space**

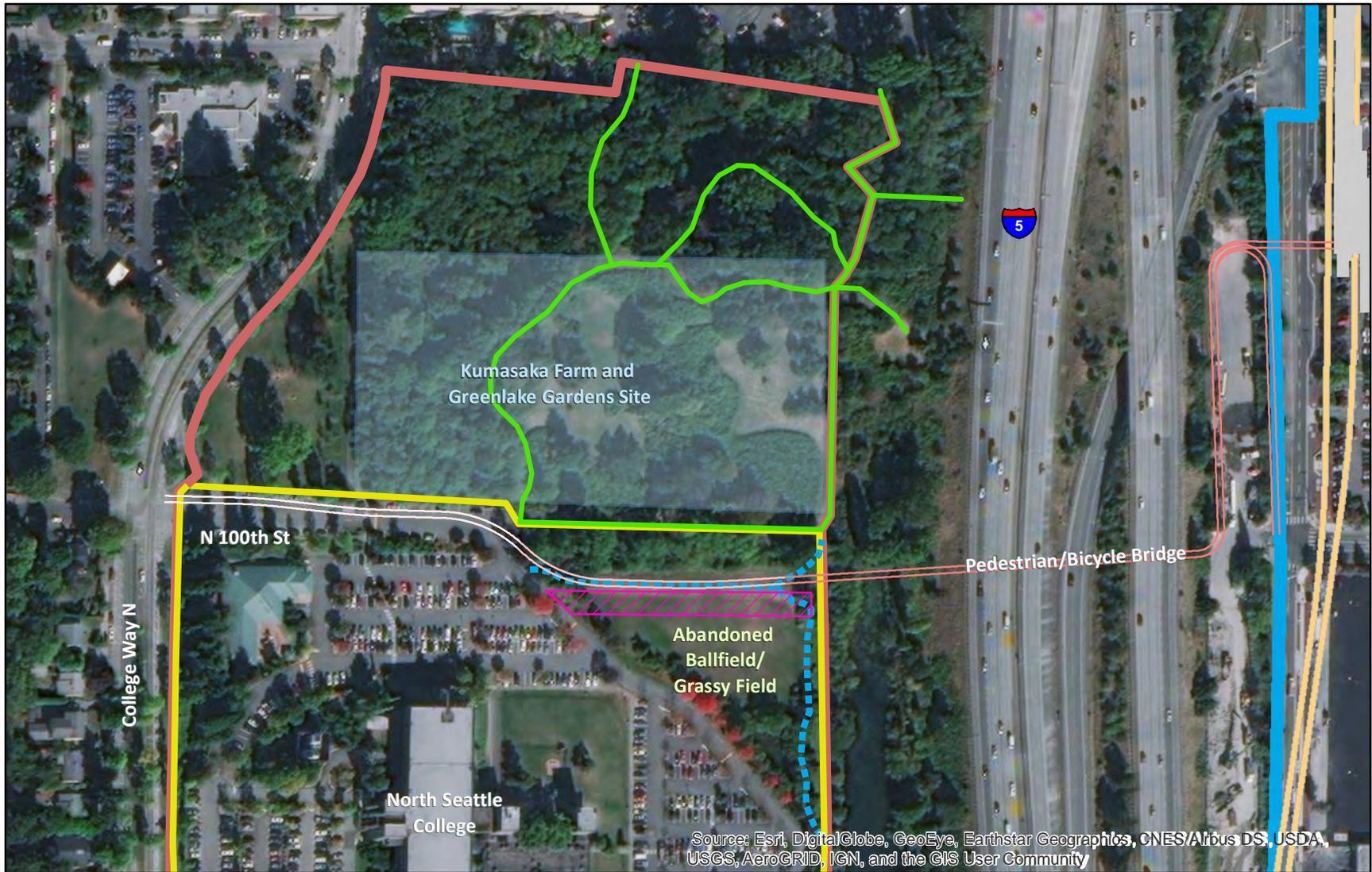


**Existing Gathering & Recreational Spaces**



Northgate Pedestrian Bridge Project

**Figure 3**  
Staging Areas



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |                              |   |                    |  |  |
|---|------------------------------|---|--------------------|--|--|
|  | Bridge Structure             |  | Cranberry Loop     |  | Kumasaka Farm Site                           |
|  | Earthfill Section            |  | Khaki Loop         |  | Area of Temporary Occupancy of 4(f) Resource |
|  | 16' Wide Multi-Use Path      |  | Green Nature Trail |  |  |
|  | 1st Avenue NE Multi-Use Path |  | Berm Trail         |  |  |

Northgate Pedestrian Bridge Project

**Figure 4**  
 Section 4(f) Temporary Occupancy  
 North Seattle College –  
 Grassed Stormwater Basin For Trail Relocation



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |  |   |
|---|--|---|
|  Bridge Structure        |  Cranberry Loop     |  Kumasaka Farm Site                             |
|  Earthfill Section       |  Khaki Loop         |  Area of <i>de minimis</i> use of 4(f) Resource |
|  16' Wide Multi-Use Path |  Green Nature Trail |   |
|   |  Berm Trail         |   |

Northgate Pedestrian Bridge Project

**Figure 5**  
 Section 4(f) Temporary Occupancy  
 North Seattle College  
 Detail – Construction Impacts  
 Abandoned Ballfield/Grassy Field

# ATTACHMENT 5

Temporary Occupancy Approval – NSC Trail System



## Section 4(f) Temporary Occupancy Approval (per 23 CFR 774.13(d))

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### North Seattle College Campus Trail System

#### Summary Table

<b>Date:</b>	April 6, 2018
<b>WSDOT Region:</b>	Northwest, Local Programs
<b>Project Number:</b>	CM-TAP-1775(001)
<b>Project:</b>	Northgate Pedestrian and Bicycle Bridge Project
<b>Project Description:</b>	<p>The proposed project will be located in the Northgate area of Seattle (Figure 1). The project area is generally bounded by College Way N. on the west, 1st Avenue NE on the east, Northgate Way on the North and N 92nd Street on the south. This area is bisected by Interstate 5 (I-5). The western portion of the project lies within undeveloped lands owned by the North Seattle College (NSC).</p> <p>The key elements of the project include the following:</p> <ul style="list-style-type: none"><li>• A 16-foot-wide, 1,900-foot-long pedestrian/bicycle facility, including a 360-foot crossing of I-5.</li><li>• A ramp on the east side of I-5 connecting to grade at 1st Avenue NE and NE 100th Street</li><li>• A bridge connection to the Northgate Light Rail station over 1st Avenue NE</li><li>• Continuation of the bridge on an elevated structure on the NSC campus that transitions to ground via embankment supported by retaining walls on both sides.</li><li>• A connection to the NSC and North College Way via a 16-foot wide multi-use path on the north side of the vacated N 100th Street alignment.</li><li>• A 10-foot wide protected bike lane along the west side of 1st Avenue NE from NE 92nd Street to NE 103rd Street and a shared use bicycle/pedestrian facility on the east side of 1st Avenue NE from NE 103rd Street to Northgate Way</li></ul> <p>The project will include stormwater infrastructure improvements and will require on-site staging areas.</p>

<b>Section 4(f) Resource:</b>	<p>North Seattle College Campus Trails System (Figure 2):</p> <ul style="list-style-type: none"> <li>• Trails on the vacated N 100th Street alignment, the Khaki Loop Trail and an overlapping portion of the Green Nature Trail</li> <li>• The North Berm Trail</li> <li>• Trails on the vacated Corliss Avenue N alignment, the Cranberry Loop Trail and overlapping portions of the Khaki Loop Trail</li> </ul>
<b>Type of 4(f) Resource:</b>	Passive Recreation
<b>Impact on 4(f) Resource:</b>	<p>Temporary occupancy of the Khaki Loop Trail (and overlapping Green Nature Trail) generally along the alignment of vacated N 100th Street, from the maintenance gate at the entrance to the NSC north parking to the intersection with the north-south trails on the vacated Corliss Avenue right-of-way (Figures 4 and 6). Vehicle access and construction staging will temporarily displace use of these facilities, as shown in Figure 3. The trails will be reopened upon completion of construction.</p> <p>Temporary occupancy of the North Berm Trail for staging and construction of the bridge approach will displace use of the trail during construction of the west approach to the bridge (Figures 4 and 7).</p> <p>Temporary occupancy of the Cranberry Loop Trail and an overlapping portion of the Khaki Loop Trail (along the alignment of vacated Corliss Avenue N) for construction access will temporarily displace use of these facilities (Figures 4 and 8). The trail will be reopened upon completion of construction.</p>
<b>Official with Jurisdiction:</b>	North Seattle College

**Describe how the conditions for Temporary Occupancy are met**

- 1. Duration must be temporary, i.e., less than the time needed for construction of the project, and there should be no change in ownership of the land.**

Temporary occupancy will be for staging for construction and placement of the bridge truss and construction of the west landing. Construction staging also will include assembly of bridge components. Staging will be required until near the end of the project.

Construction of the entire project will be approximately 18-20 months.

The staging areas will be vacated and restored to their previous condition after the completion of the bridge and west approach but before the completion of bridge details such as railings and lighting and prior to final site completion and landscaping.

**2. Scope of the work must be minor, i.e., both the nature and the magnitude of the changes of the Section 4 (f) property are minimal.**

The alignment of vacated N 100th Street east of the North Seattle Parking Lot and a portion of the alignment of vacated Corliss Avenue N will be closed to college maintenance vehicle use and to pedestrian use of the trail on the corridor, as shown on Figure 3.

The temporary occupancy area will total about 1,700 linear feet or 57,560 square feet (1.34 acres), as shown on the table below.

Trail Section	Length	Area
Khaki Loop Trail from College Way N to east end of parking lot	425 feet	8,500 sf (0.2 acre)
Khaki Loop and the Green Nature Trails from parking lot to north-south trails on vacated Corliss Ave.	450 feet	23,000 sf (0.53 acre)
North Berm Trail	395 feet	17,660 sf (0.41 acre)
Khaki Loop and Cranberry Loop Trails north-south section on vacated Corliss Ave.	420 feet	8,400 sf (0.20 acre)
<b>Total</b>	<b>1690 feet</b>	<b>57,560 sf (1.34 acres)</b>

During construction, the balance of the college trail system of about 4,000 linear feet within the open space portion of the campus, and about 8,000 feet in the campus overall, will be available to college students, staff and faculty and to the general public for passive recreation. Detours will be designated to allow users to safely avoid the construction site while preserving continuity of movement on the trails.

**3. There are no anticipated permanent adverse physical impacts, nor will there be interference with the protected activities, features, or attributes of the property, on either a temporary or permanent basis.**

The project will use the overlapping areas of the Khaki Loop Trail, the Green Nature Trail, and the Cranberry Loop Trail for staging and vehicle access. After construction is completed, these areas will be restored to their previous configuration as combined maintenance access roads and non-motorized trails.

**4. The land being used must be fully restores, i.e., the property must be returned to a condition which is at least as good as that which existed prior to the project.**

After construction staging is complete, the Khaki Loop Trail, the Green Nature Trail, and the Cranberry Loop Trail areas will be restored to their previous configuration as combined maintenance access roads and non-motorized trails through minor grading and placement of gravel or other material as needed to restore the trail surface.

and non-motorized trails through minor grading and placement of gravel or other material as needed to restore the trail surface. The North Berm Trail will be replaced at a similar elevation and in a new parallel alignment south of the existing trail.

- 5. **There must be documented agreement of the official(s) with jurisdiction over the section 4(f) resource regarding the above conditions.**

The letter of agreement from the North Seattle College dated May 3, 2018 is attached.

### Request for Approval

**Based upon this analysis we request FHWA concurrence that this project’s temporary occupancy of the section 4(f) resource described above satisfies the conditions set forth in 23 CFR 771.13(d) and is so minimal as to not constitute a use within the meaning of Section 4(f).**

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<b>WSDOT [Region]</b>	<b>Date</b>
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### FHWA Approval

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<b>FHWA Washington Division</b>	<b>Date</b>
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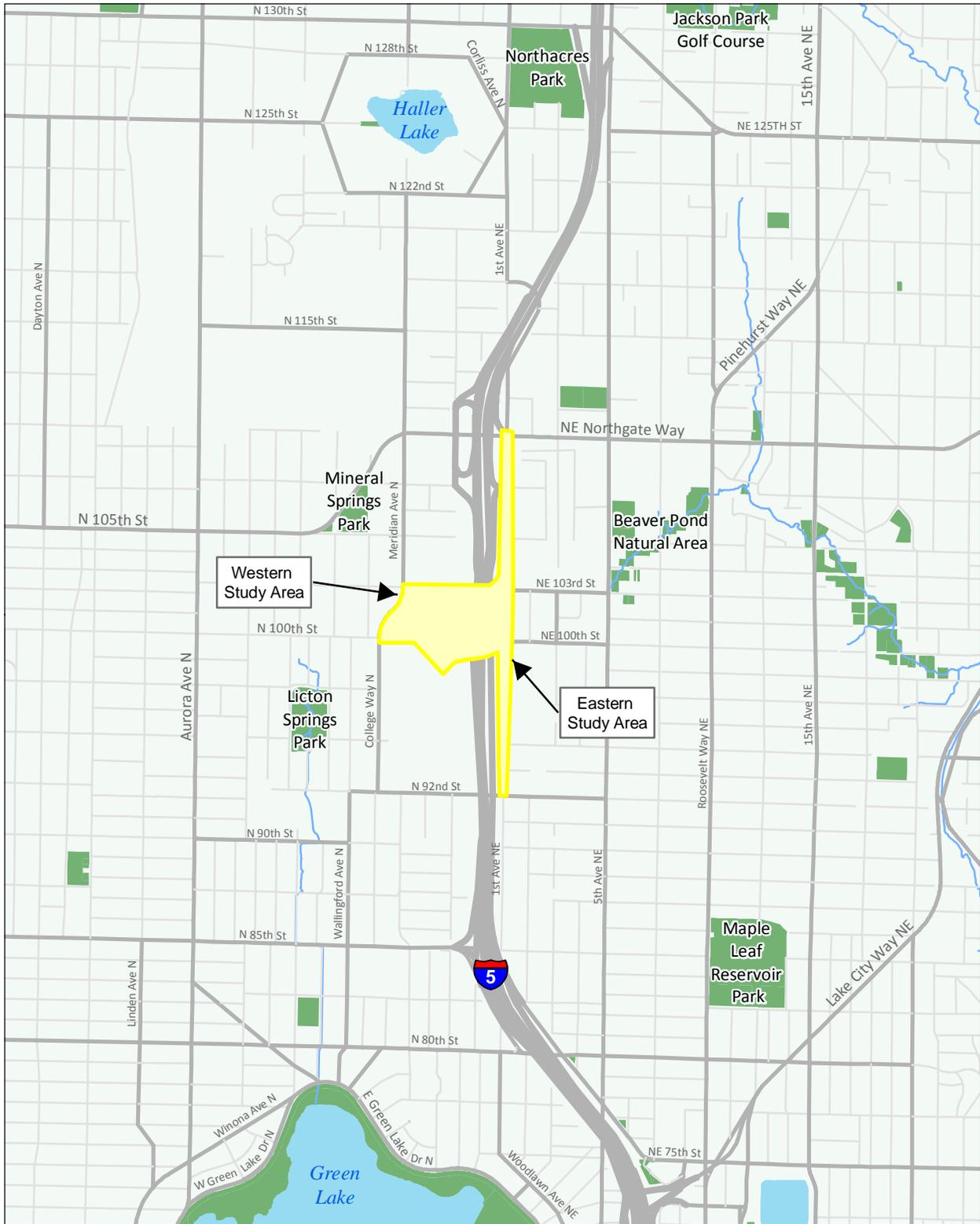
#### Figures

- Figure 1. Vicinity Map
- Figure 2. North Seattle College Trail System
- Figure 3. Proposed Staging Areas
- Figure 4. Section 4(f) Temporary Occupancy North Seattle College Trails
- Figure 5. Detail – Section 4(f) Temporary Occupancy North Seattle College Trails, Khaki Loop East of College Way N
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- Figure 8. Detail - Section 4(f) Temporary Occupancy North Seattle College Trails, Khaki Loop and Cranberry Loop Trails on Vacated Corliss Ave N Right-of-Way

#### References:

North Seattle Community College (NSCC) 1995 Master Plan. Available on the Internet at <https://www.seattle.gov/Documents/Departments/Neighborhoods/MajorInstitutions/NorthSeattleCommunityCollege/FinalMasterPlan-2005-08.pdf>

North Seattle Community College (NSCC) 2007 Long Range Campus Master Plan Available on the Internet at: <https://facweb.northseattle.edu/smcdonald/PedBridge%20SoundT/nscclongrangeplan.pdf>

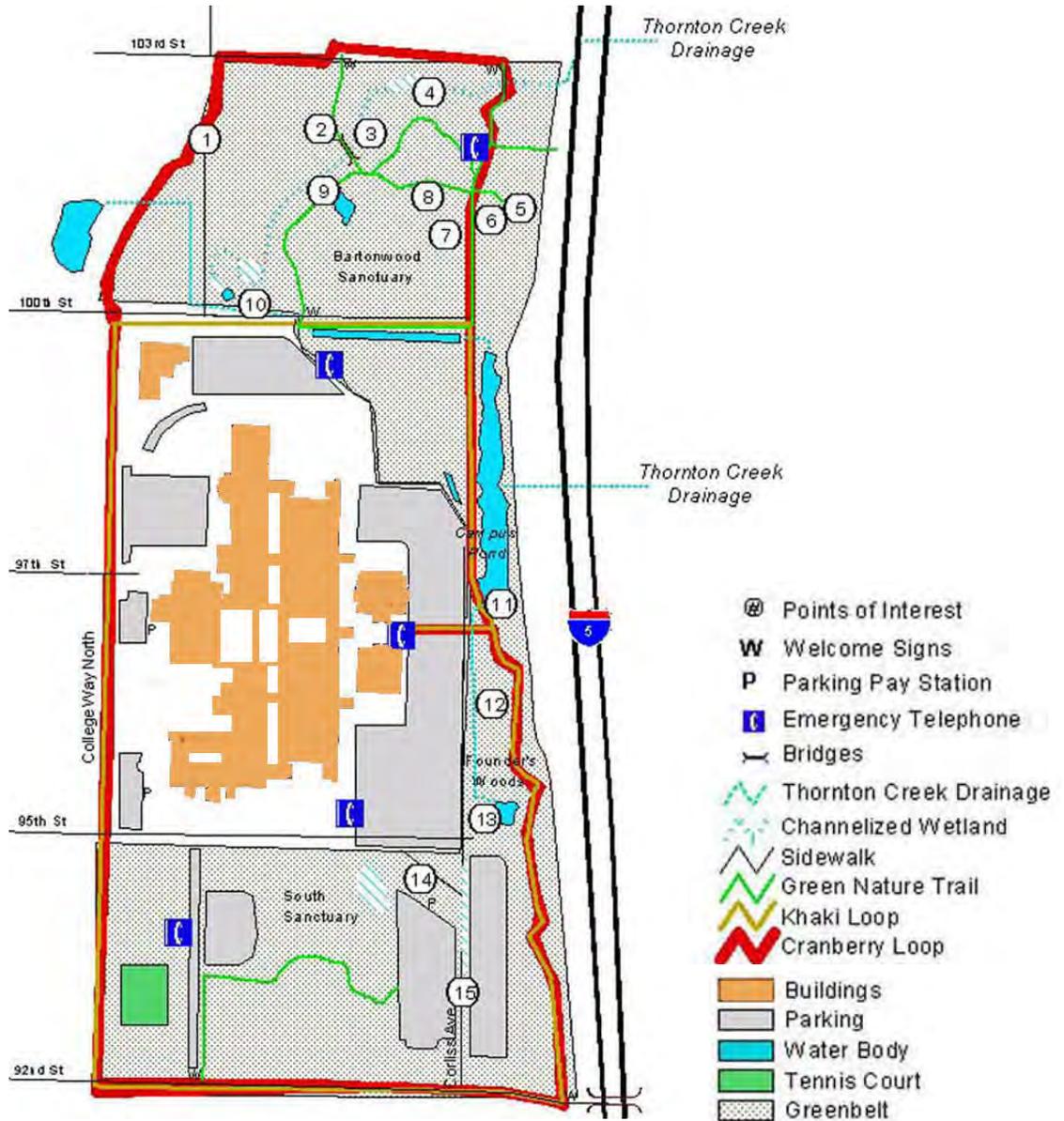


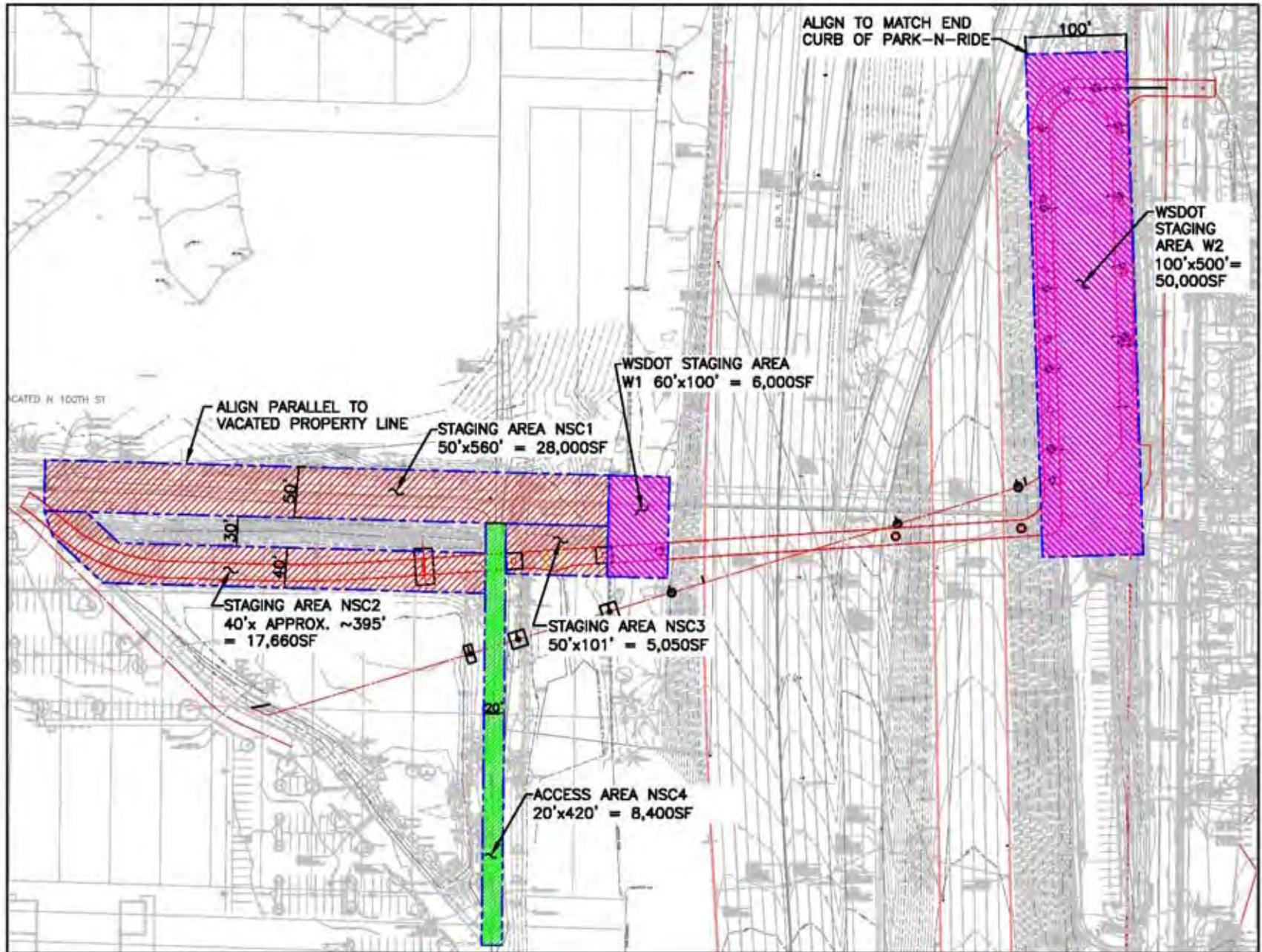
SOURCE: City of Seattle 2017

Northgate Pedestrian Bridge Project

**Figure 1**  
Project Vicinity

Figure 2. North Seattle College Trail Network





Northgate Pedestrian Bridge Project

**Figure 3**  
Staging Areas



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |                              |   |                    |  |  |
|---|------------------------------|---|--------------------|--|--|
|  | Bridge Structure             |  | Cranberry Loop     |  | Kumasaka Farm Site                           |
|  | Earthfill Section            |  | Khaki Loop         |  | Area of Temporary Occupancy of 4(f) Resource |
|  | 16' Wide Multi-Use Path      |  | Green Nature Trail |  |  |
|  | 1st Avenue NE Multi-Use Path |  | Berm Trail         |  |  |

Northgate Pedestrian Bridge Project

**Figure 4**  
Section 4(f) Temporary Occupancy  
North Seattle College - Trails



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

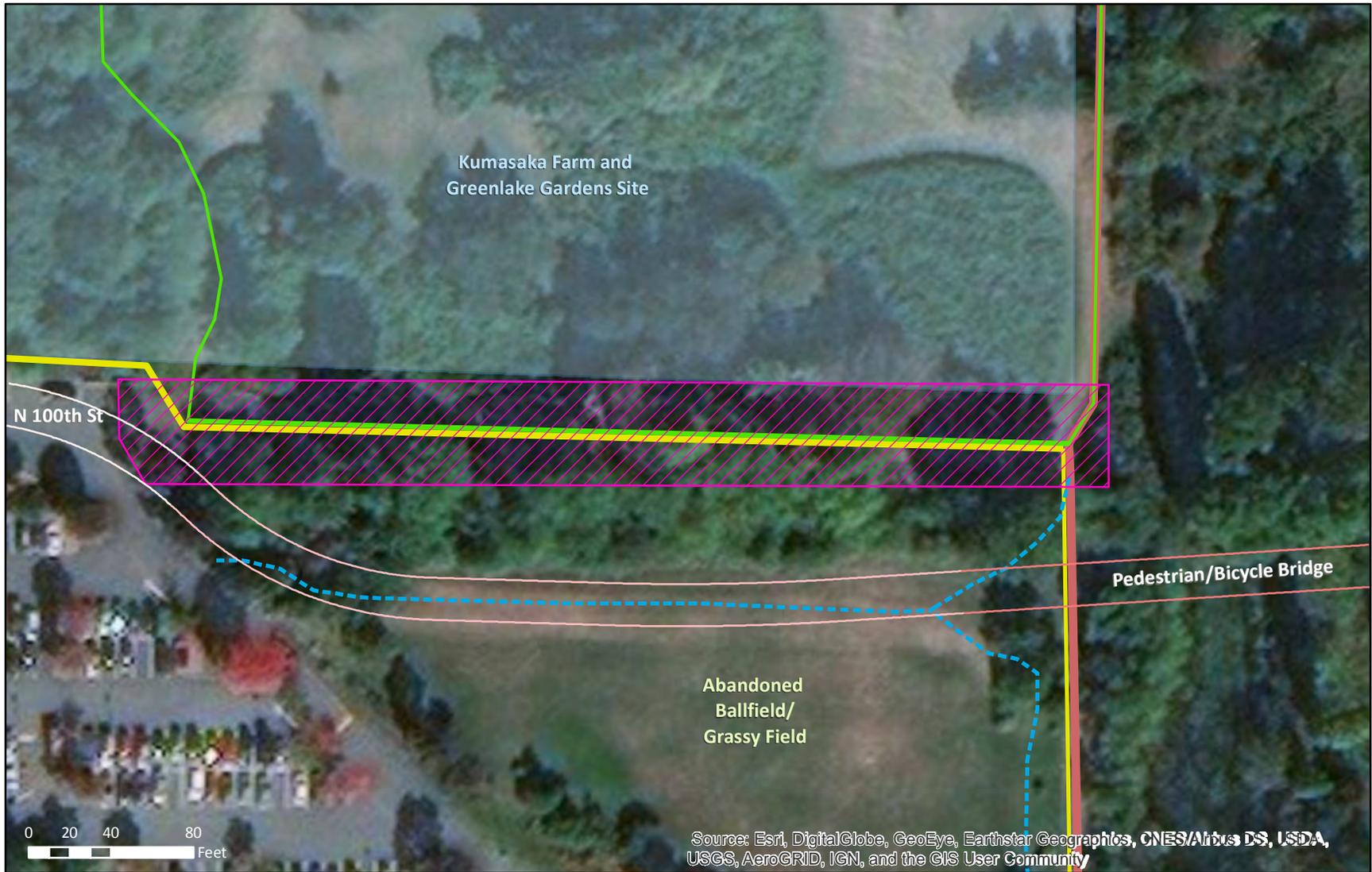
-  Bridge Structure
-  Earthfill Section
-  16' Wide Multi-Use Path

-  Cranberry Loop
-  Khaki Loop
-  Green Nature Trail
-  Berm Trail

-  Kumasaka Farm Site
-  Area of Temporary Occupancy of 4(f) Resource

Northgate Pedestrian Bridge Project

**Figure 5**  
 Section 4(f) Temporary Occupancy  
 North Seattle College Trails  
 Detail – Khaki Loop East of College Way N



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |                         |   |                    |  |  |
|---|-------------------------|---|--------------------|--|--|
|  | Bridge Structure        |  | Cranberry Loop     |  | Kumasaka Farm Site                           |
|  | Earthfill Section       |  | Khaki Loop         |  | Area of Temporary Occupancy of 4(f) Resource |
|  | 16' Wide Multi-Use Path |  | Green Nature Trail |  |  |
|   |                         |  | Berm Trail         |  |  |

Northgate Pedestrian Bridge Project

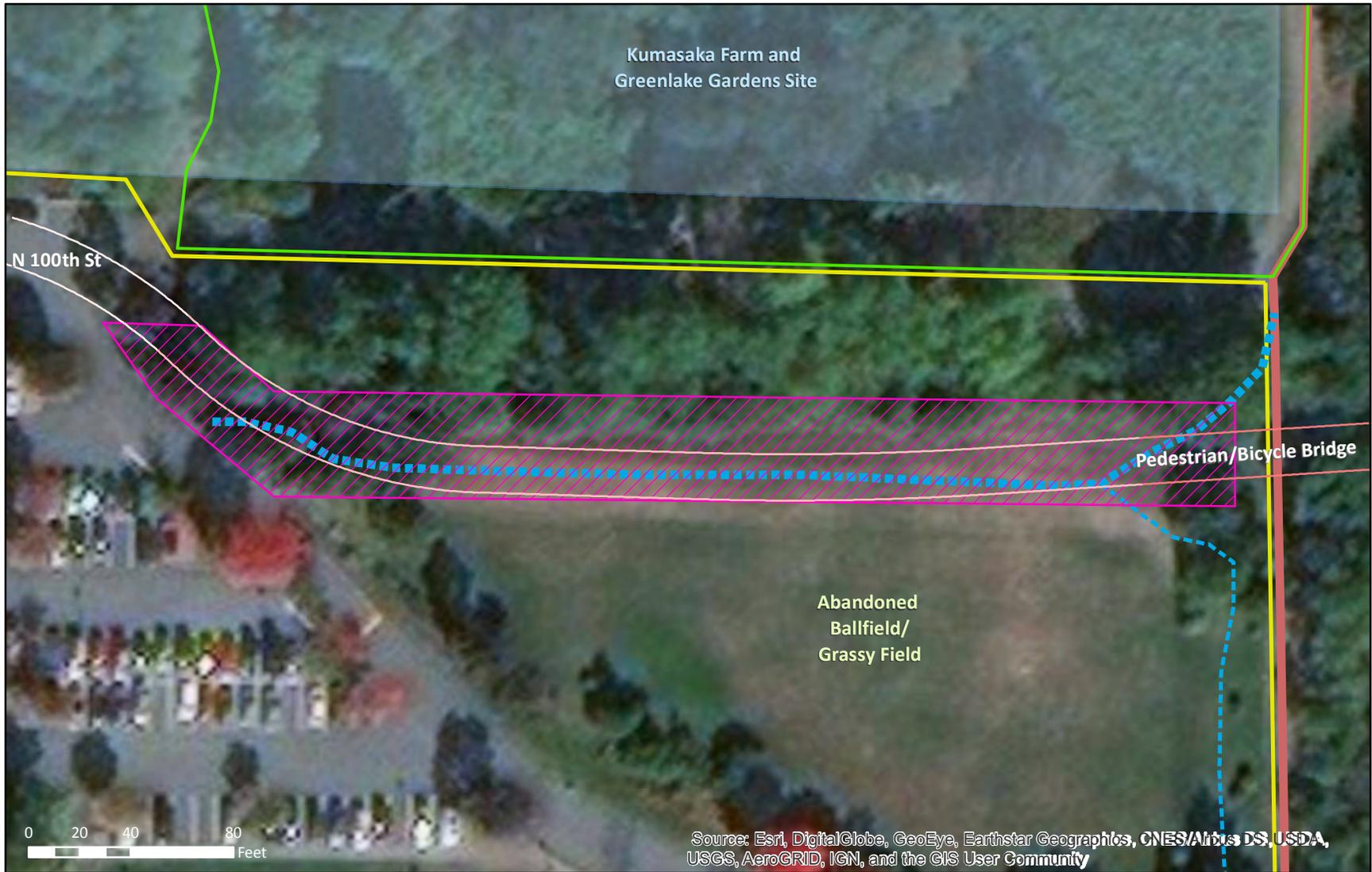
**Figure 6**

Section 4(f) Temporary Occupancy

North Seattle College Trails

Detail – Khaki Loop and Green Nature Trails

on Vacated N 100th Street Right-of-Way Alignment



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |                         |   |                    |  |  |
|---|-------------------------|---|--------------------|--|--|
|  | Bridge Structure        |  | Cranberry Loop     |  | Kumasaka Farm Site                           |
|  | Earthfill Section       |  | Khaki Loop         |  | Area of Temporary Occupancy of 4(f) Resource |
|  | 16' Wide Multi-Use Path |  | Green Nature Trail |  |  |
|   |                         |  | Berm Trail         |  |  |

Northgate Pedestrian Bridge Project  
**Figure 7**  
 Section 4(f) Temporary Occupancy  
 North Seattle College Trails  
 Detail – North Berm Trail



SOURCE: City of Seattle 2017; Sound Transit 2017; Esri 2016

- |   |  |   |                    |
|---|--|---|--------------------|
|  | Bridge Structure                             |  | Cranberry Loop     |
|  | Earthfill Section                            |  | Khaki Loop         |
|  | 16' Wide Multi-Use Path                      |  | Green Nature Trail |
|  | Area of Temporary Occupancy of 4(f) Resource |  | Berm Trail         |

Northgate Pedestrian Bridge Project  
**Figure 8**  
 Section 4(f) Temporary Occupancy  
 North Seattle College Trails –  
 Detail – Khaki Loop and Cranberry Loop Trails  
 on Vacated Corliss Ave N Right-of-Way