



US Army Corps
of Engineers
Seattle District



Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone (206) 316-3360
ATTN: Rory Lee,
Project Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone (360) 407-6076
ATTN: SEA Program,
Federal Permit Coordinator

Public Notice Date: January 14, 2021
Expiration Date: February 12, 2021

Reference No.: NWS-2020-112
Name: Snoqualmie, City of

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings dated December 2018.

The Corps would review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology would review the work pursuant to Section 401 of the CWA with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: City of Snoqualmie
ATTN: Mr. Matthew Larson
PO Box 987, 38624 SE River Street
Snoqualmie, Washington 98065
Telephone: (425) 888-5307

AGENT: 48 North Solutions, Inc.
ATTN: Mr. Bill Mavros
909 NE Boat Street
Seattle, Washington 98015
Telephone: (206) 637-5442

LOCATION: In the Snoqualmie River at 7970 Falls Avenue SE (Sandy Cove Park), at Snoqualmie, Washington.

WORK: Excavation of up to 16,345 cubic yards of native material and construction of four rock barbs to include the placement of up to 14,421 cubic yards riprap, native materials and topsoil below the ordinary high water mark. Additional work would include the redesign on an existing outfall, creation of two public access ramps and shoreline enhancement.

PURPOSE: To protect existing infrastructure from erosion.

DREDGE MATERIAL TESTING: The applicant has chosen not to complete the testing before this Public Notice was published. For this project, no open-water disposal or approved upland disposal is being proposed. All

NWS-2020-112; Snoqualmie, City of (Bank Stabilization)

excavated material (16, 345 cubic yards) is to be incorporated into the project design. However, if any dredged material is to be disposed it would occur would at an approved upland site approved by the Washington State Department of Ecology and the King County Department of Health. The project is being reviewed by the Dredged Material Management Program (DMMP). The DMMP evaluation may include additional chemical and biological testing of sediments.

ADDITIONAL INFORMATION: Excavation of the riverbank and placement of fill materials would be completed using earth moving equipment. All land clearing activities are proposed below the OHWM except for the 110-foot utility trench corridor for the stormwater pipe replacement.

The proposed bank stabilization would include laying back the existing slope 1.5:1 ratio with a vegetated reinforced steep slope using a combination of native materials, logs, imported fill materials, topsoil, geosynthetic materials, and riparian plantings. The work would be accomplished by cutting the slope with an excavator and installing the slope at 18-inch lifts. Logs and rootwads would be installed within the vegetated slope. Disturbed areas at the top of the embankment would be hydroseeded and re-vegetated.

Rock barb installation would include placing rock from the bank into the river, until a stabilized pad has been built into the river. The pad would extended out between 65 feet to 120 feet to the designed length of each barb. The excavator would use this pad to move forward above the river. Large woody debris (LWD) would be placed in cluster locations adjacent to the barbs as shown on the drawings. The LWD would be approximately 25 to 40 feet in length and 12-24 inches in diameter. The installation of the LWD is anticipated to be completed during and after barb construction.

Two public access ramps providing pedestrian access to the river are proposed to be constructed between the rock barbs. The construction methods for the ramps would be similar to the vegetated reinforced steep slope described previously. The ramps would be constructed to a slope of 3:1 ratio at 8-inch lifts with incorporation of geogrid reinforcement and proper compaction.

The riverbank (approximately 350 feet) would be planted with native shrub and tree species. Additionally, a cluster of LWD would be placed at the top of bank on the downstream side of Barb #1 to create a flood fence for the overflow channel during high flow conditions. This work is anticipated to be completed after barb construction.

MITIGATION: The applicant has proposed permittee-responsible compensatory mitigation through on-site enhancement actions. A compensatory mitigation plan would be provided at a future date.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the U.S. Army Corps of Engineers would evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The U.S. Army Corps of Engineers (Corps) has determined that the proposed action would not adversely affect designated EFH for federally managed fisheries in Washington waters. No further EFH consultation is necessary.

CULTURAL RESOURCES: The Corps has reviewed the latest published version of the National Register of Historic Places, Washington Information System for Architectural and Archaeological Records Data and other sources of information. Historic properties are recorded near the proposed project. However, they do not occur in the permit area. The permit area has been so extensively disturbed by modern development that little likelihood exists for the proposed project to impinge upon an undisturbed historic property. The Corps invites responses to

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this public notice from Native American Tribes or Tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns regarding historic properties and sites of religious and cultural significance at or near the project area. After receipt of comments from this public notice, the Corps would evaluate potential impacts and consult with the State Historic Preservation Officer and Native American Tribes in accordance with Section 106 of the National Historic Preservation Act, as appropriate.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS: The decision whether to issue a permit would be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision would reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal would be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or Tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received would be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge would be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

SOURCE OF FILL MATERIAL: The riprap, streambed cobble and topsoil would be obtained from local commercial sources free of contamination.

EVALUATION – ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or Tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology would be considering all comments to determine whether to certify or deny certification for the proposed project.

ADDITIONAL EVALUATION: The City of Snoqualmie is reviewing the Shorelines Substantial Development permit for this project.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice would be accepted and made part of the record and would be considered in determining whether authorizing the work would not be contrary to the public interest. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit

NWS-2020-112; Snoqualmie, City of (Bank Stabilization)

applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

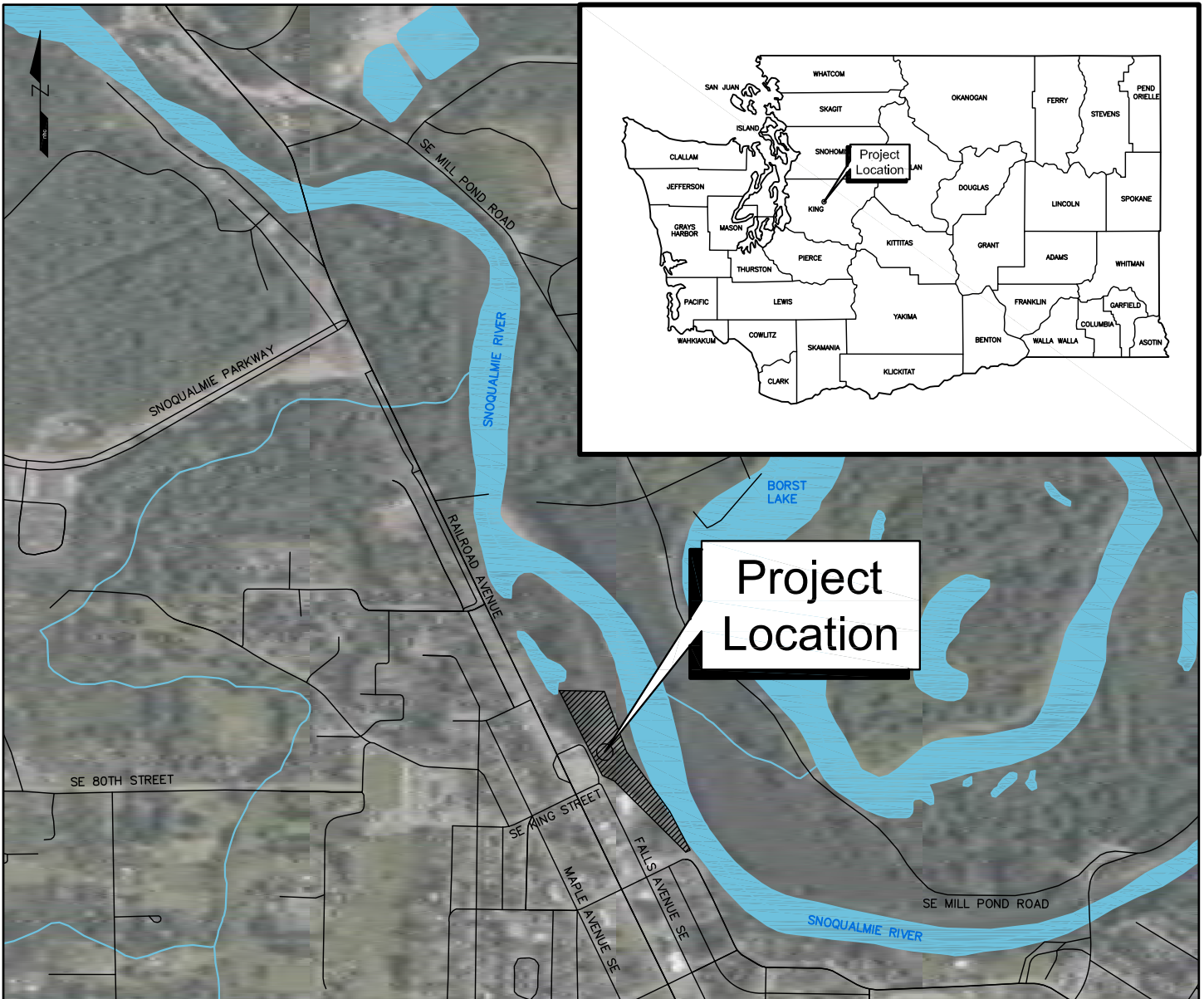
Copies of this public notice which have been mailed or otherwise physically distributed feature project drawings in black and white. The electronic version features those drawings in color, which we think more accurately communicates the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order of the date of issuance. Select and view the listing for this project.

CORPS COMMENTS: All e-mail comments should be sent to rory.w.lee@usace.army.mil. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Rory Lee, P.O. Box 3755, Seattle, Washington 98124-3755. All comments received would become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses.

ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Department of Ecology, Attention: SEA program – Federal Permit Coordinator, P.O. Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov.

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Snoqualmie, City of; NWS-2020-112.

Encl: Figures (14)



NWS-2020-112

SCALE: NTS
VICINITY MAP & SHEET INDEX
 nhc PROJECT #: 2003862

SHEET NO.	DESCRIPTION
1.	VICINITY MAP & SHEET INDEX
2.	EXISTING CONDITION PLAN VIEW
3.	STAGING & TESC PLAN
4.	PROPOSED CONDITION PLAN VIEW
5.	BARB #2 PLAN & PROFILE
6.	BARB #2 SECTIONS 1
7.	BARB #2 SECTIONS 2
8.	VEGETATED REINFORCED STEEP SLOPE (VRSS) TYPICAL SECTION
9.	VEGETATED REINFORCED STEEP SLOPE (VRSS) TYPICAL ELEVATION
10.	FLOODPLAIN FOREST LOG JAM PLAN VIEW
11.	FLOODPLAIN FOREST LOG JAM CONCEPTUAL VIEW & TYPICAL SECTION
12.	PLANTING PLAN 1
13.	PLANTING PLAN 2
14.	PUBLIC ACCESS RAMP DETAIL

REFERENCE:
APPLICANT:
City of Snoqualmie

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

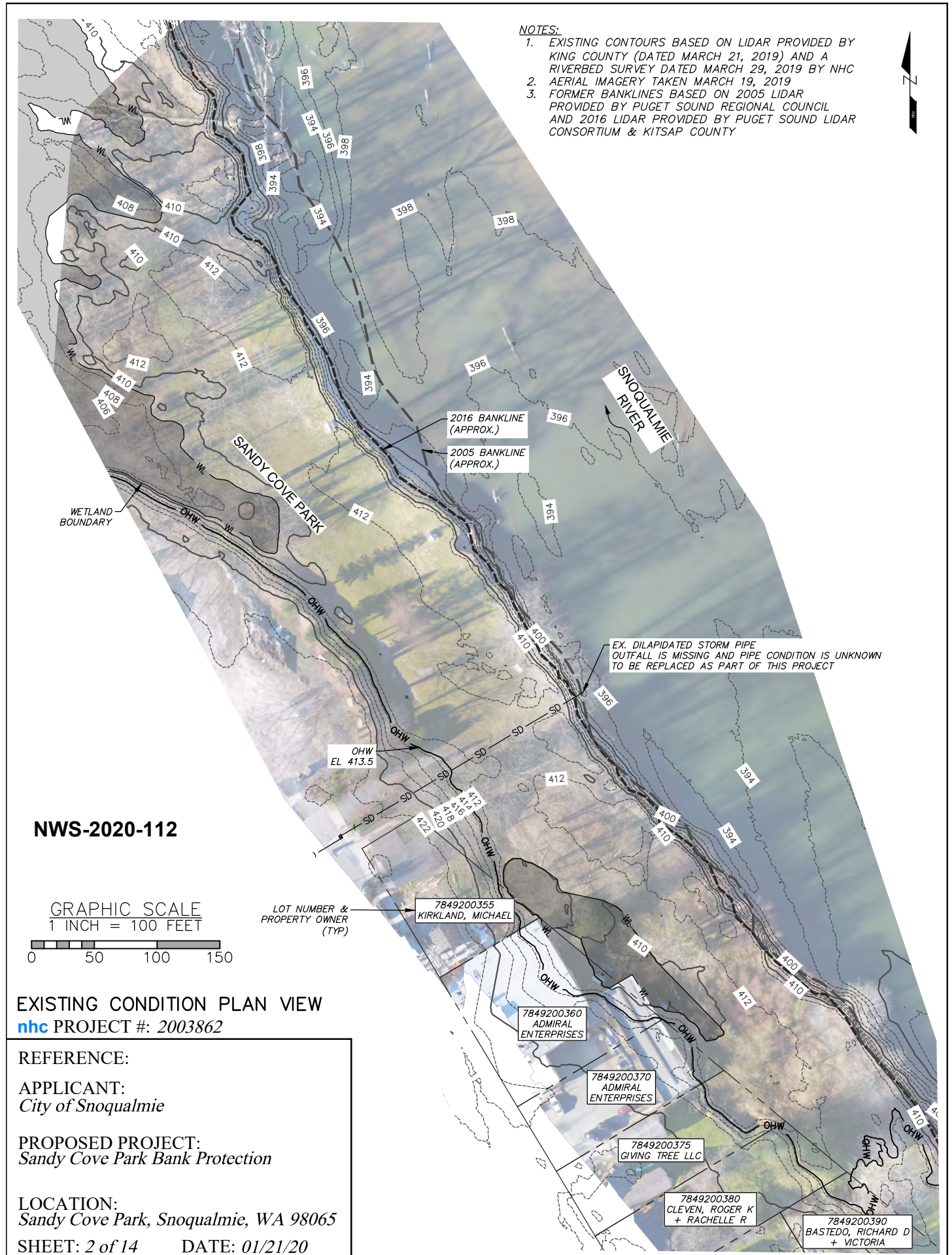
PROPOSED PROJECT:
Sandy Cove Park Bank Protection

ADJACENT PROPERTY OWNERS:
Kirkland, Michael
Admiral Enterprises
Giving Tree LLC
Cleven, Roger K + Rachelle R
Bastedo, Richard D + Victoria

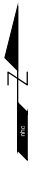
LAT/LONG:
47.529 N, 121.824 W

IN: *Snoqualmie River*
NEAR/AT: *Snoqualmie*
COUNTY: *King*
STATE: *Washington*

SHEET: *1 of 14* **DATE:** *01/21/20*



- NOTES:**
1. EXISTING CONTOURS BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC
 2. AERIAL IMAGERY TAKEN MARCH 19, 2019
 3. FORMER BANKLINES BASED ON 2005 LIDAR PROVIDED BY PUGET SOUND REGIONAL COUNCIL AND 2016 LIDAR PROVIDED BY PUGET SOUND LIDAR CONSORTIUM & KITSAP COUNTY

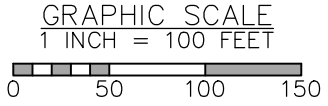


2016 BANKLINE (APPROX.)
2005 BANKLINE (APPROX.)

EX. DILAPIDATED STORM PIPE
OUTFALL IS MISSING AND PIPE CONDITION IS UNKNOWN
TO BE REPLACED AS PART OF THIS PROJECT

OHW
EL 413.5

NWS-2020-112



LOT NUMBER &
PROPERTY OWNER
(TYP)

7849200355
KIRKLAND, MICHAEL

7849200360
ADMIRAL
ENTERPRISES

7849200370
ADMIRAL
ENTERPRISES

7849200375
GIVING TREE LLC

7849200380
CLEVEN, ROGER K
+ RACHELLE R

7849200390
BASTEDO, RICHARD D
+ VICTORIA

EXISTING CONDITION PLAN VIEW
nhc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

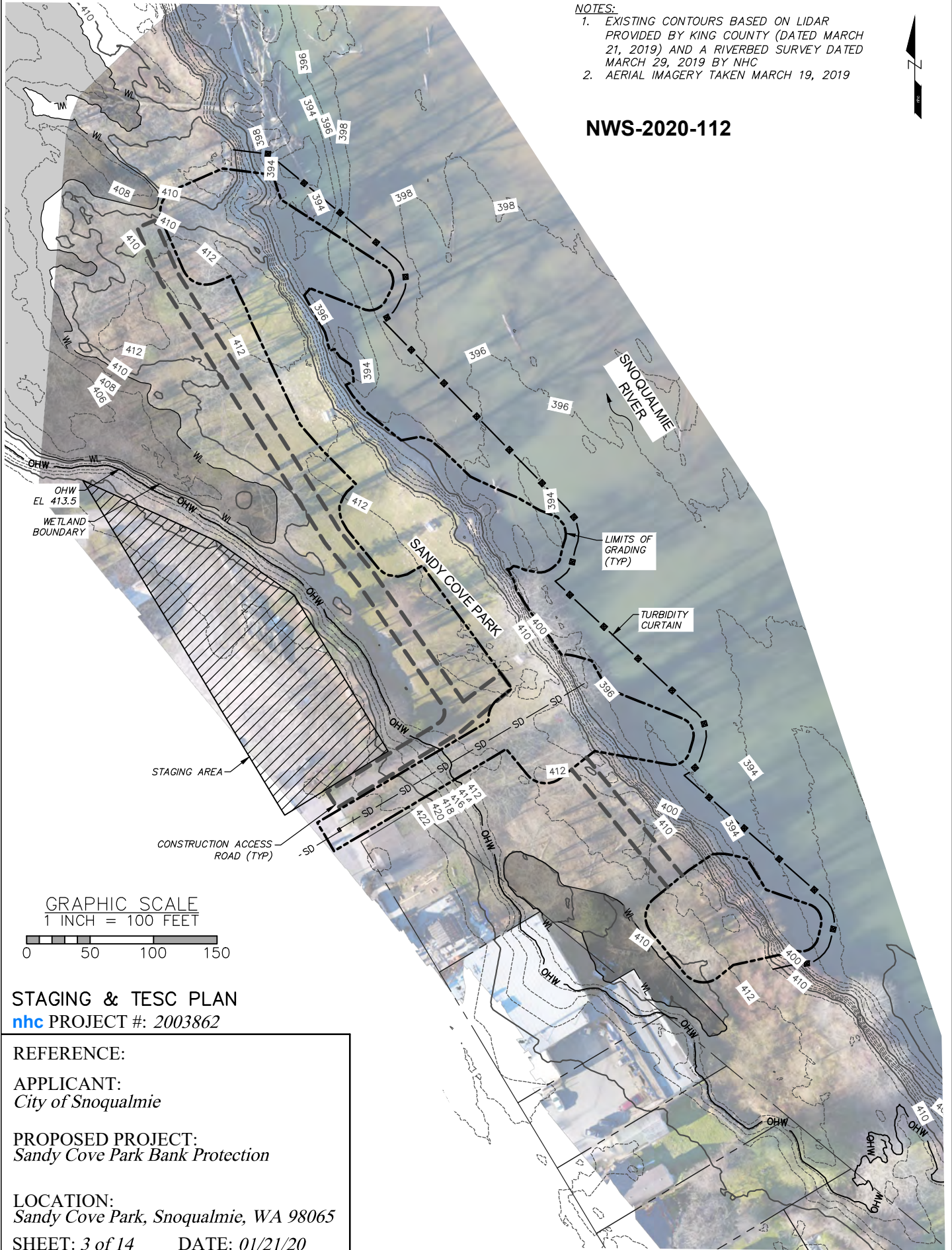
SHEET: 2 of 14 **DATE: 01/21/20**

NOTES:

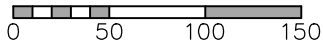
1. EXISTING CONTOURS BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC
2. AERIAL IMAGERY TAKEN MARCH 19, 2019



NWS-2020-112



GRAPHIC SCALE
1 INCH = 100 FEET



STAGING & TESC PLAN

nhc PROJECT #: 2003862

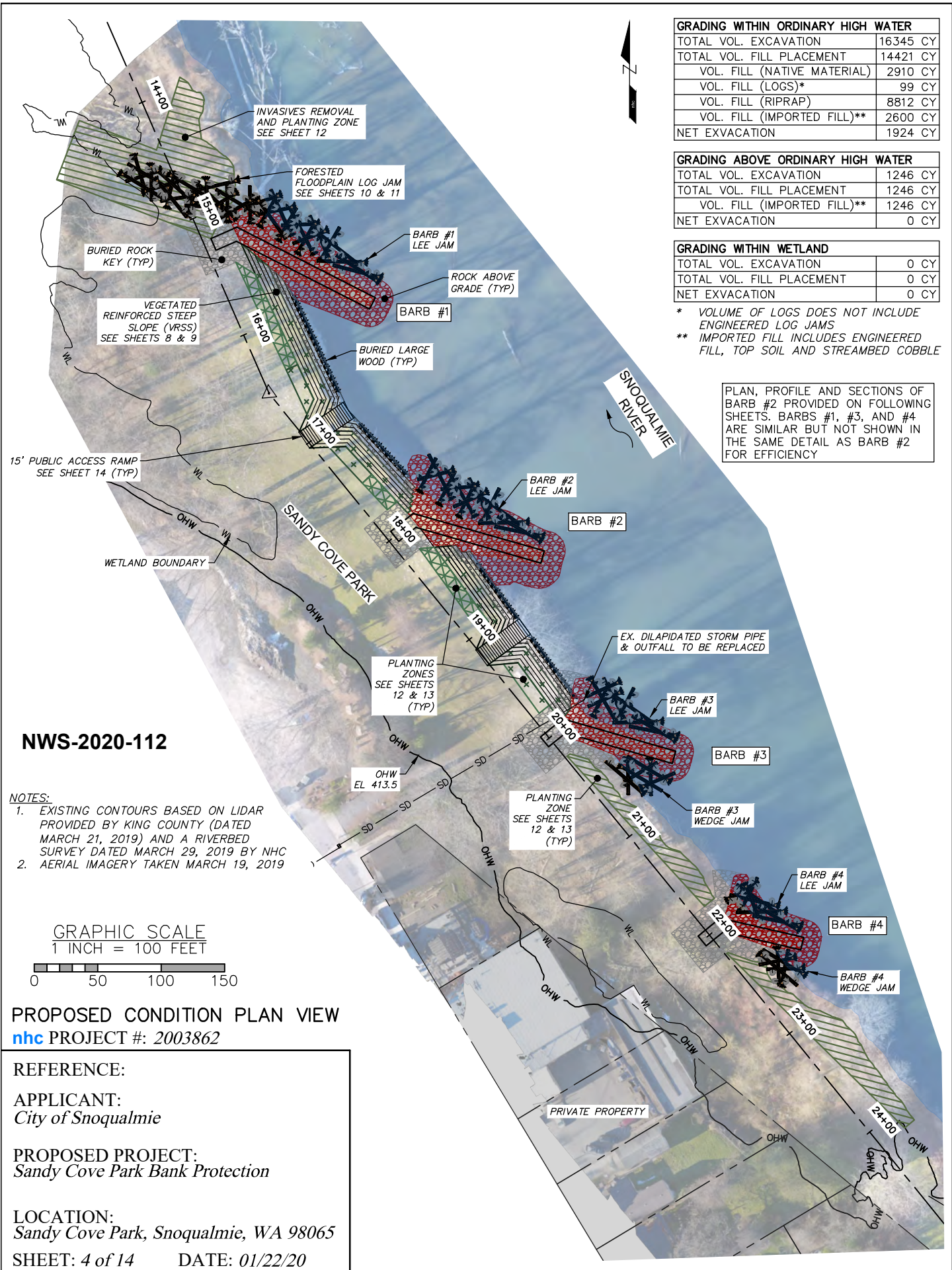
REFERENCE:

APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 3 of 14 **DATE:** 01/21/20



GRADING WITHIN ORDINARY HIGH WATER	
TOTAL VOL. EXCAVATION	16345 CY
TOTAL VOL. FILL PLACEMENT	14421 CY
VOL. FILL (NATIVE MATERIAL)	2910 CY
VOL. FILL (LOGS)*	99 CY
VOL. FILL (RIPRAP)	8812 CY
VOL. FILL (IMPORTED FILL)**	2600 CY
NET EXCAVATION	1924 CY

GRADING ABOVE ORDINARY HIGH WATER	
TOTAL VOL. EXCAVATION	1246 CY
TOTAL VOL. FILL PLACEMENT	1246 CY
VOL. FILL (IMPORTED FILL)**	1246 CY
NET EXCAVATION	0 CY

GRADING WITHIN WETLAND	
TOTAL VOL. EXCAVATION	0 CY
TOTAL VOL. FILL PLACEMENT	0 CY
NET EXCAVATION	0 CY

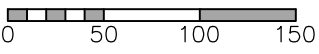
* VOLUME OF LOGS DOES NOT INCLUDE ENGINEERED LOG JAMS
 ** IMPORTED FILL INCLUDES ENGINEERED FILL, TOP SOIL AND STREAMBED COBBLE

PLAN, PROFILE AND SECTIONS OF BARB #2 PROVIDED ON FOLLOWING SHEETS. BARBS #1, #3, AND #4 ARE SIMILAR BUT NOT SHOWN IN THE SAME DETAIL AS BARB #2 FOR EFFICIENCY

NWS-2020-112

- NOTES:**
- EXISTING CONTOURS BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC
 - AERIAL IMAGERY TAKEN MARCH 19, 2019

GRAPHIC SCALE
 1 INCH = 100 FEET



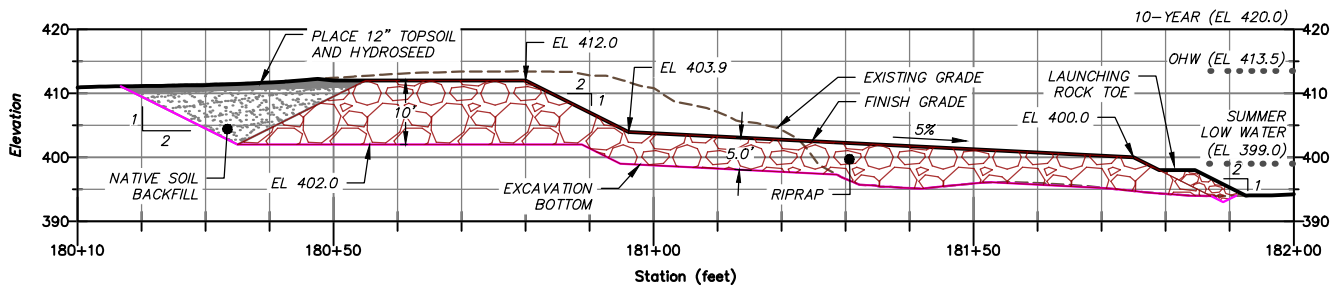
PROPOSED CONDITION PLAN VIEW
 nhc PROJECT #: 2003862

REFERENCE:
 APPLICANT:
 City of Snoqualmie

PROPOSED PROJECT:
 Sandy Cove Park Bank Protection

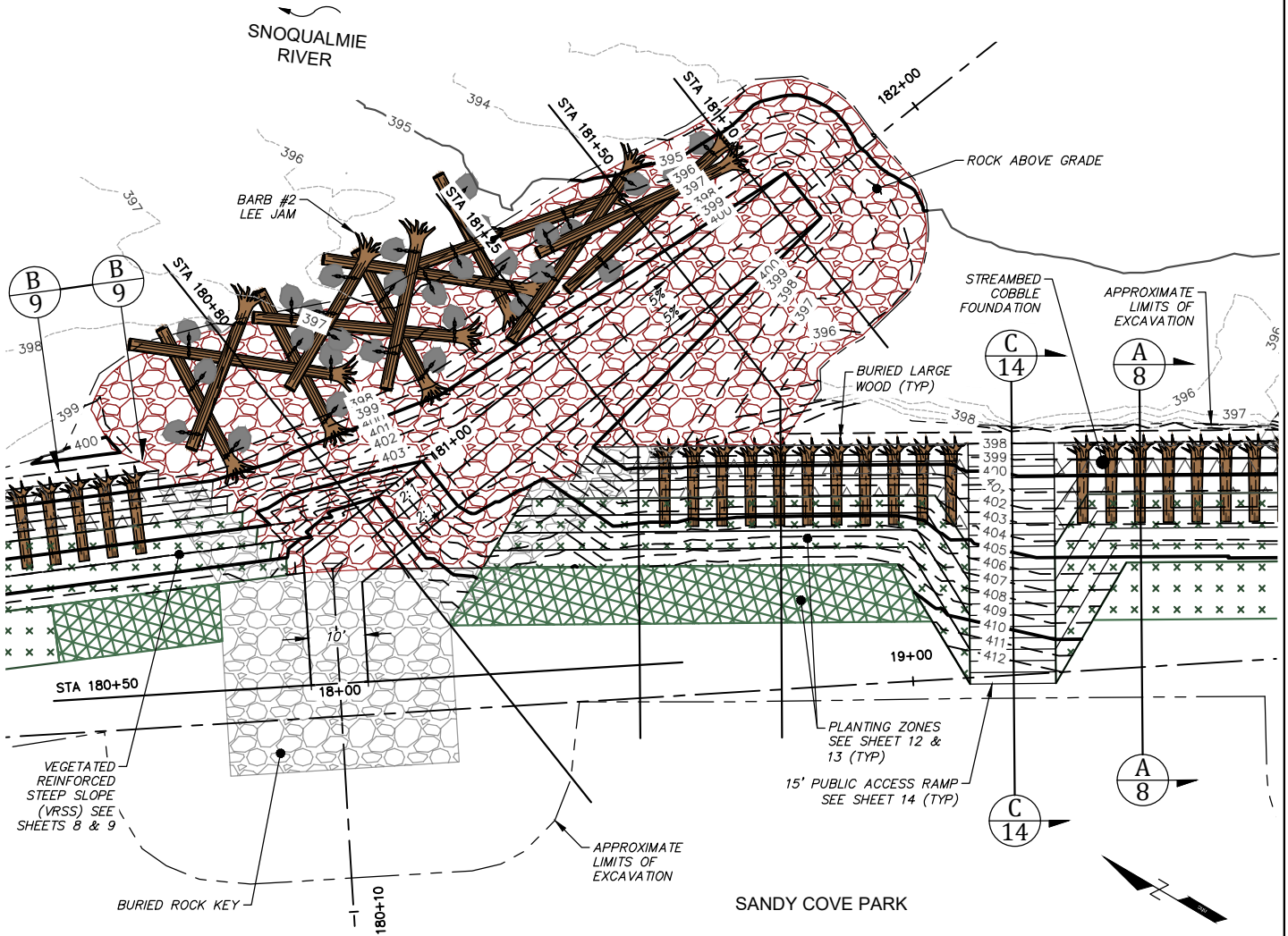
LOCATION:
 Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 4 of 14 DATE: 01/22/20



BARB #2 CENTERLINE PROFILE

H: 1"=30' V: 1"=30'



BARB #2 PLAN & PROFILE

nhc PROJECT #: 2003862

BARB #2 PLAN VIEW

SCALE: 1"=30'

REFERENCE:

APPLICANT:
City of Snoqualmie

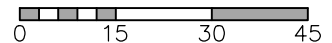
PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 5 of 14 **DATE: 01/21/20**

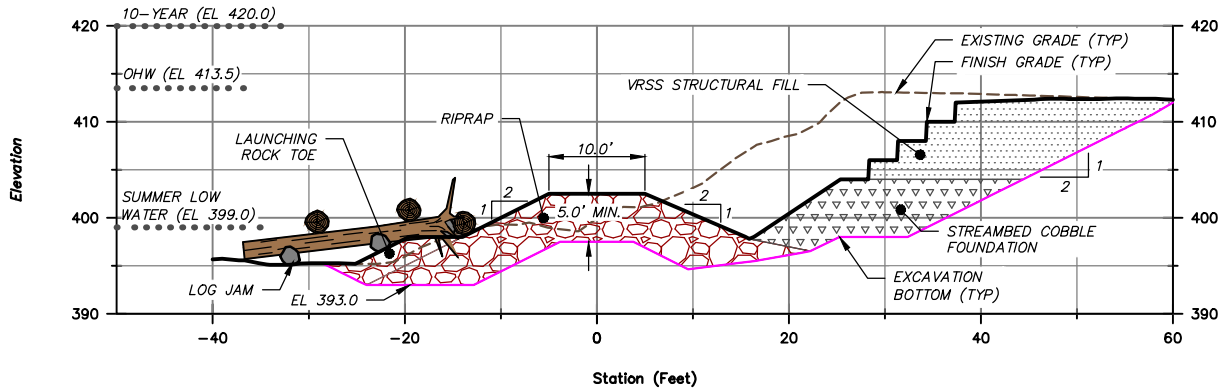
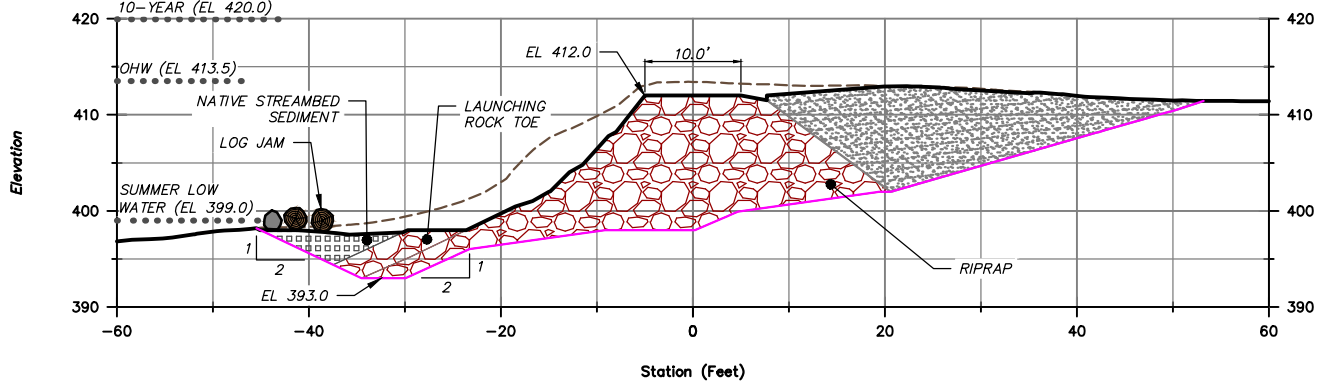
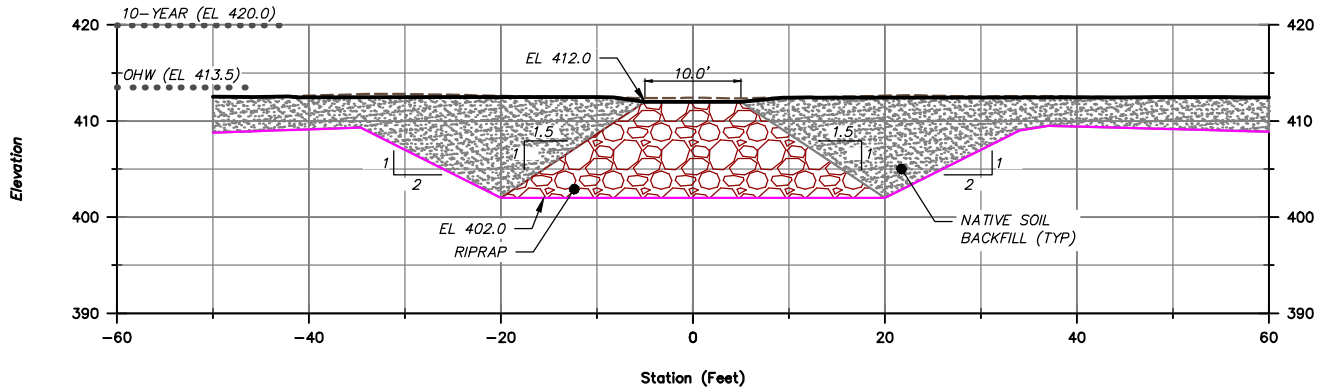
NWS-2020-112

GRAPHIC SCALE
1 INCH = 30 FEET



NOTES:

1. TEMPORARY EXCAVATION SLOPE IS THE RESPONSIBILITY OF THE CONTRACTOR. SLOPE OF 2:1 ASSUMED FOR QUANTITY ESTIMATION. ACTUAL SLOPE MAY VARY.
2. EXISTING CONTOURS BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC



BARB #2 SECTIONS 1
nbc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

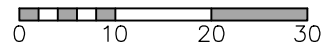
PROPOSED PROJECT:
Sandy Cove Park

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 6 of 14 DATE: 01/21/20

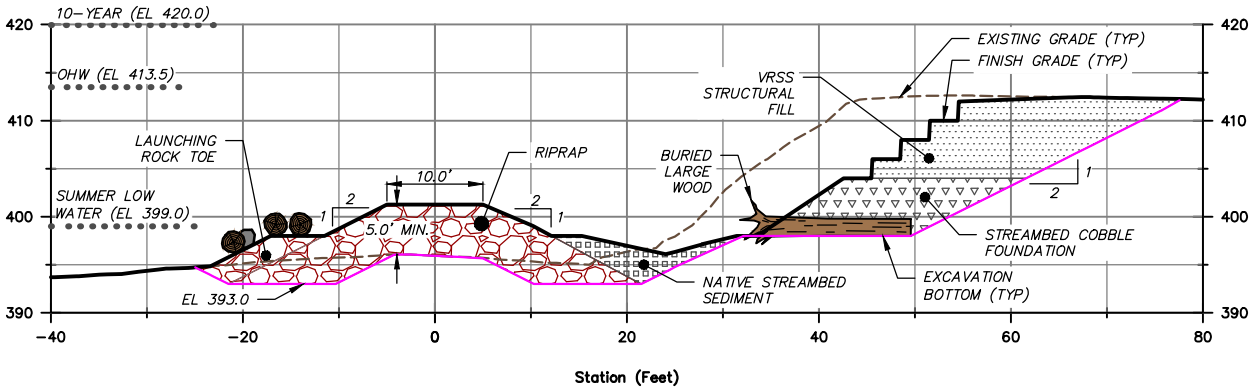
NWS-2020-112

GRAPHIC SCALE
1 INCH = 20 FEET

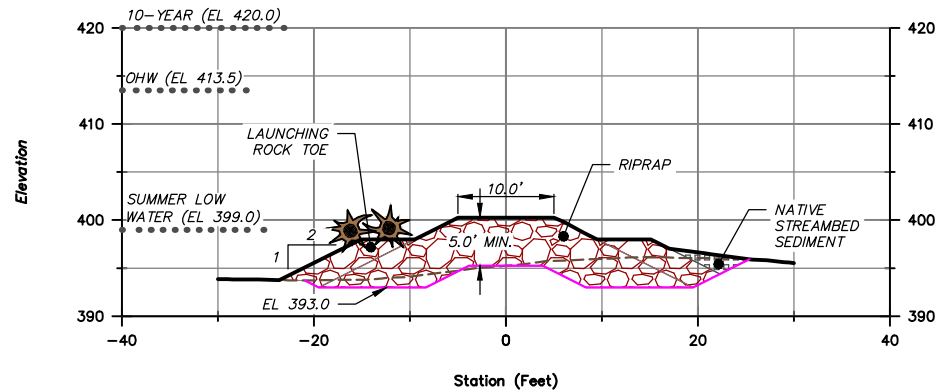


NOTES:

- TEMPORARY EXCAVATION SLOPE IS THE RESPONSIBILITY OF THE CONTRACTOR. SLOPE OF 2:1 ASSUMED FOR QUANTITY ESTIMATION. ACTUAL SLOPE MAY VARY.
- EXISTING GROUND BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC.



SECTION 181+50
H: 1"=20' V: 1"=20'

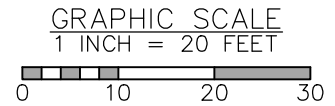


SECTION 181+70
H: 1"=20' V: 1"=20'

BARB #2 SECTIONS 2
nhc PROJECT #: 2003862

REFERENCE:
APPLICANT:
City of Snoqualmie
PROPOSED PROJECT:
Sandy Cove Park
LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065
SHEET: 7 of 14 DATE: 01/21/20

NWS-2020-112



- NOTES:**
1. TEMPORARY EXCAVATION SLOPE IS THE RESPONSIBILITY OF THE CONTRACTOR. SLOPE OF 2:1 ASSUMED FOR QUANTITY ESTIMATION. ACTUAL SLOPE MAY VARY.
 2. EXISTING GROUND BASED ON LIDAR PROVIDED BY KING COUNTY (DATED MARCH 21, 2019) AND A RIVERBED SURVEY DATED MARCH 29, 2019 BY NHC.

NOTES:

1. TEMPORARY EXCAVATION SLOPE IS THE RESPONSIBILITY OF THE CONTRACTOR. SLOPE OF 2:1 ASSUMED FOR QUANTITY ESTIMATION. ACTUAL SLOPE MAY VARY.

**VEGETATED REINFORCED STEEP SLOPE
TYPICAL SECTION**
nhc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

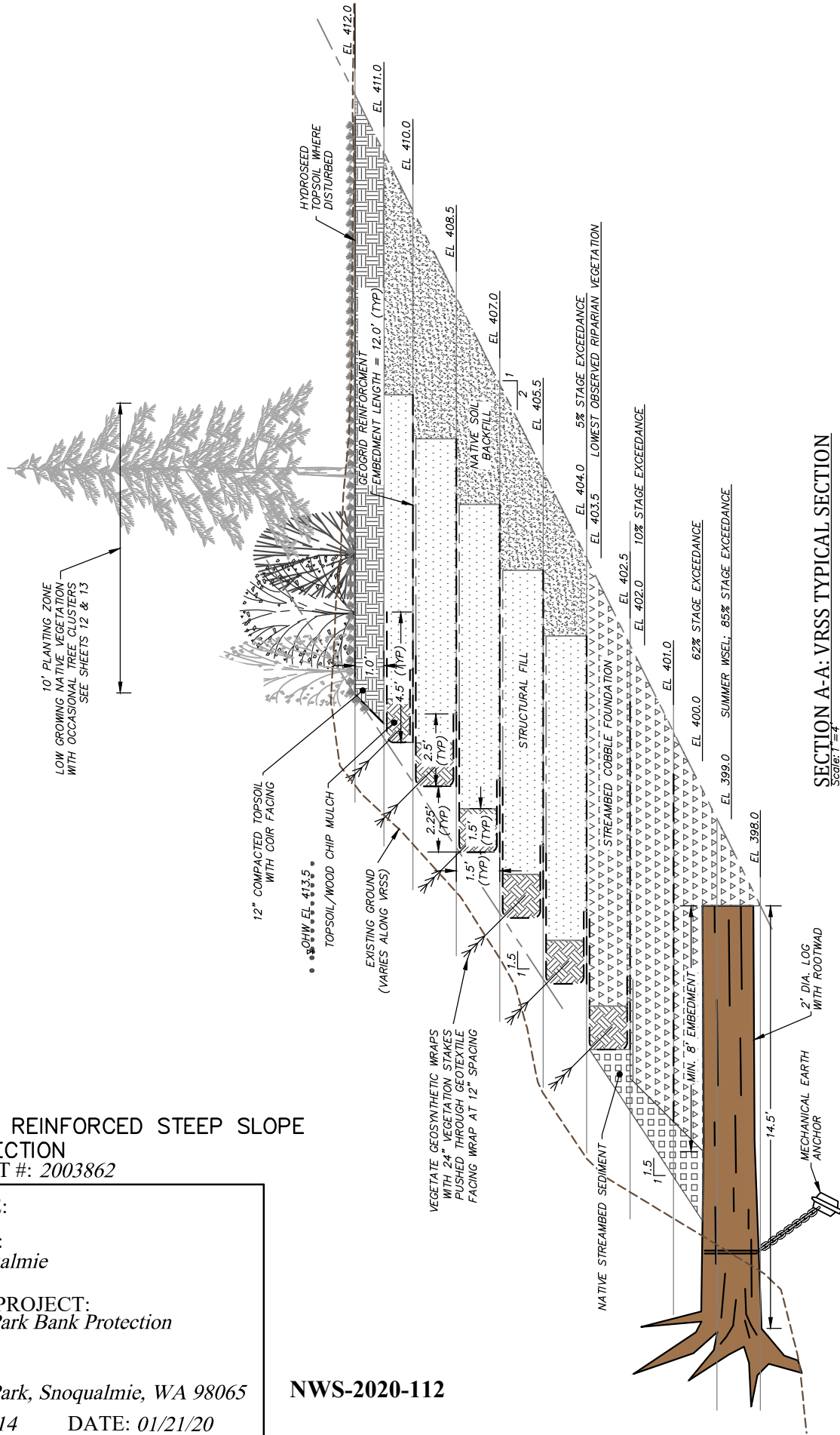
PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

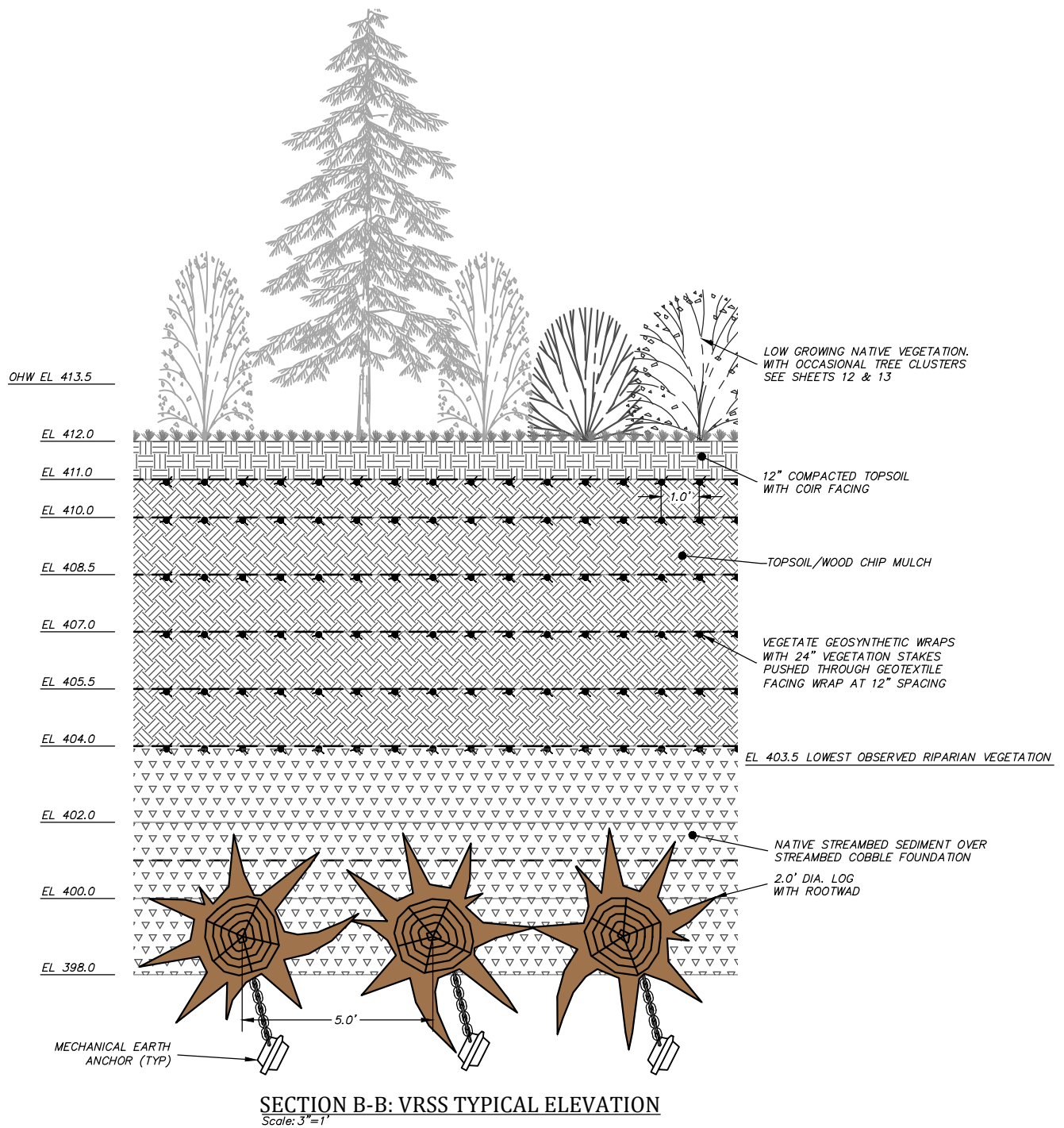
SHEET: 8 of 14

DATE: 01/21/20

NWS-2020-112



SECTION A-A: VRSS TYPICAL SECTION
Scale: 1"=4'



**VEGETATED REINFORCED STEEP SLOPE
TYPICAL ELEVATION**
nhc PROJECT #: 2003862

REFERENCE:

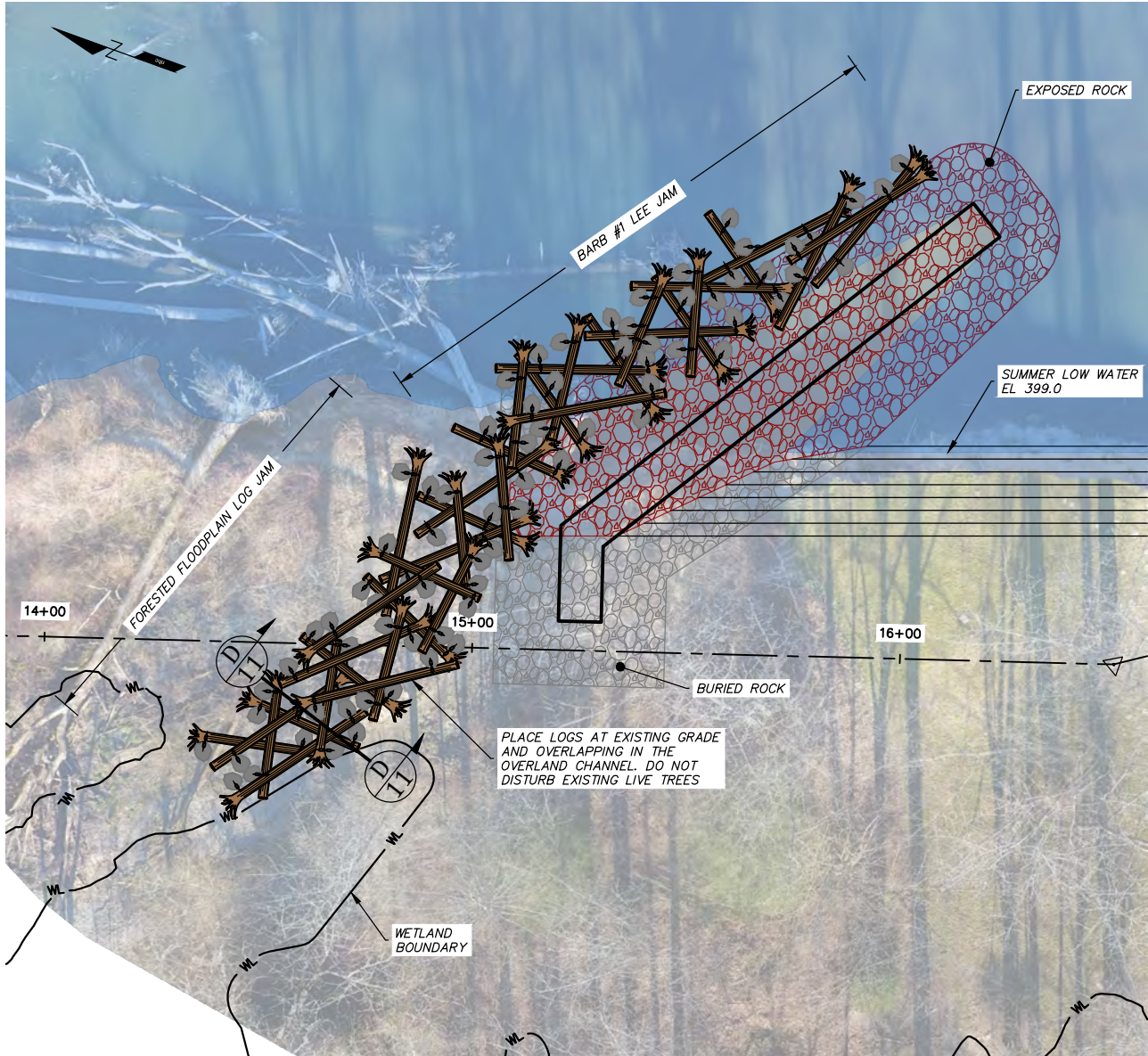
APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 9 of 14 DATE: 01/21/20

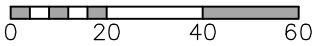
NWS-2020-112



NOTE: AERIAL PHOTO TAKEN MARCH 19, 2019

PLAN VIEW
Scale: 1"=40'

GRAPHIC SCALE
1 INCH = 40 FEET



FLOODPLAIN FOREST LOG JAM PLAN VIEW

nhc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 10 of 14 **DATE:** 01/21/20

NWS-2020-112

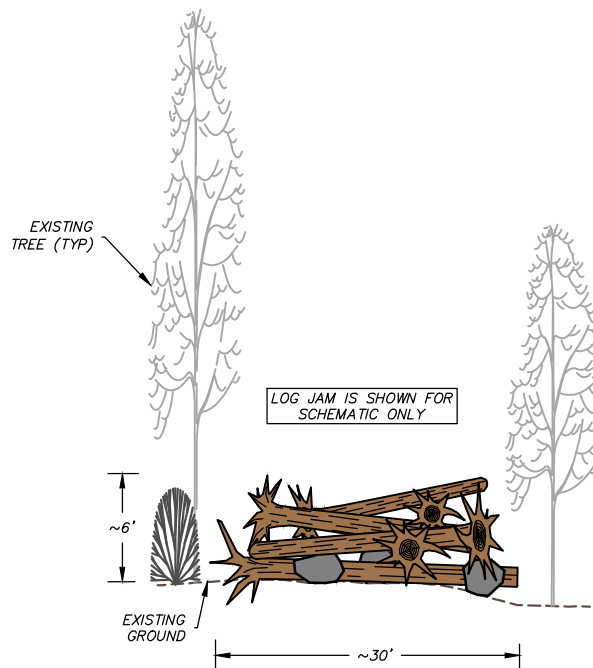


BARB #1 & BARB #1
LEE JAM NOT SHOWN

NOTE: PHOTO TAKEN NOVEMBER 1, 2019

CONCEPTUAL VIEW

Scale: NTS



SECTION D-D: LOG JAM TYPICAL ELEVATION

Scale: NTS

FLOODPLAIN FOREST LOG JAM
CONCEPTUAL VIEW & TYPICAL ELEVATION
nhc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

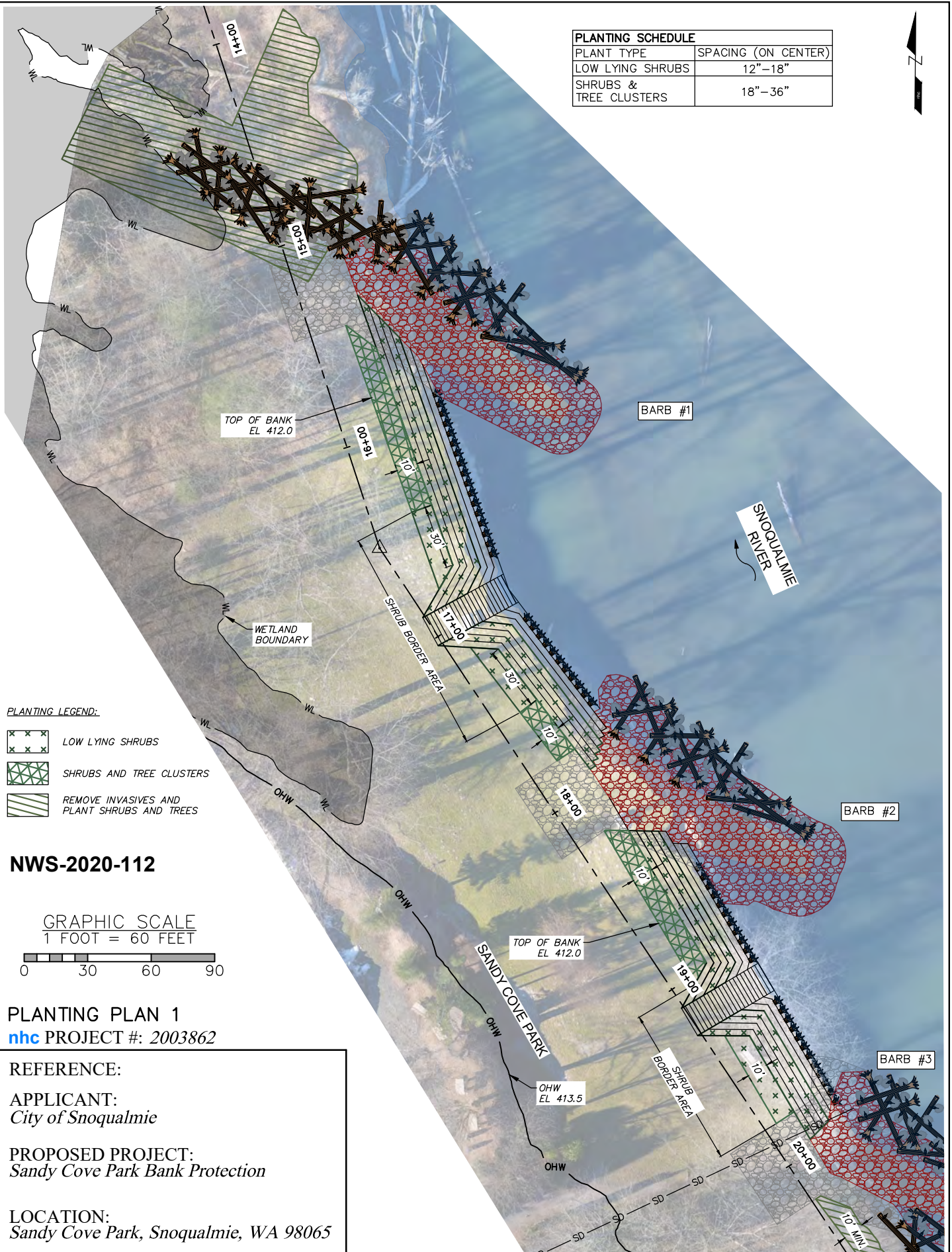
PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 11 of 14 DATE: 01/21/20

NWS-2020-112

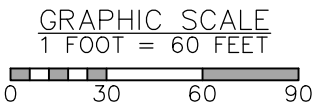
PLANTING SCHEDULE	
PLANT TYPE	SPACING (ON CENTER)
LOW LYING SHRUBS	12"-18"
SHRUBS & TREE CLUSTERS	18"-36"



PLANTING LEGEND:

- LOW LYING SHRUBS
- SHRUBS AND TREE CLUSTERS
- REMOVE INVASIVES AND PLANT SHRUBS AND TREES

NWS-2020-112



PLANTING PLAN 1
nhc PROJECT #: 2003862

REFERENCE:
APPLICANT:
City of Snoqualmie

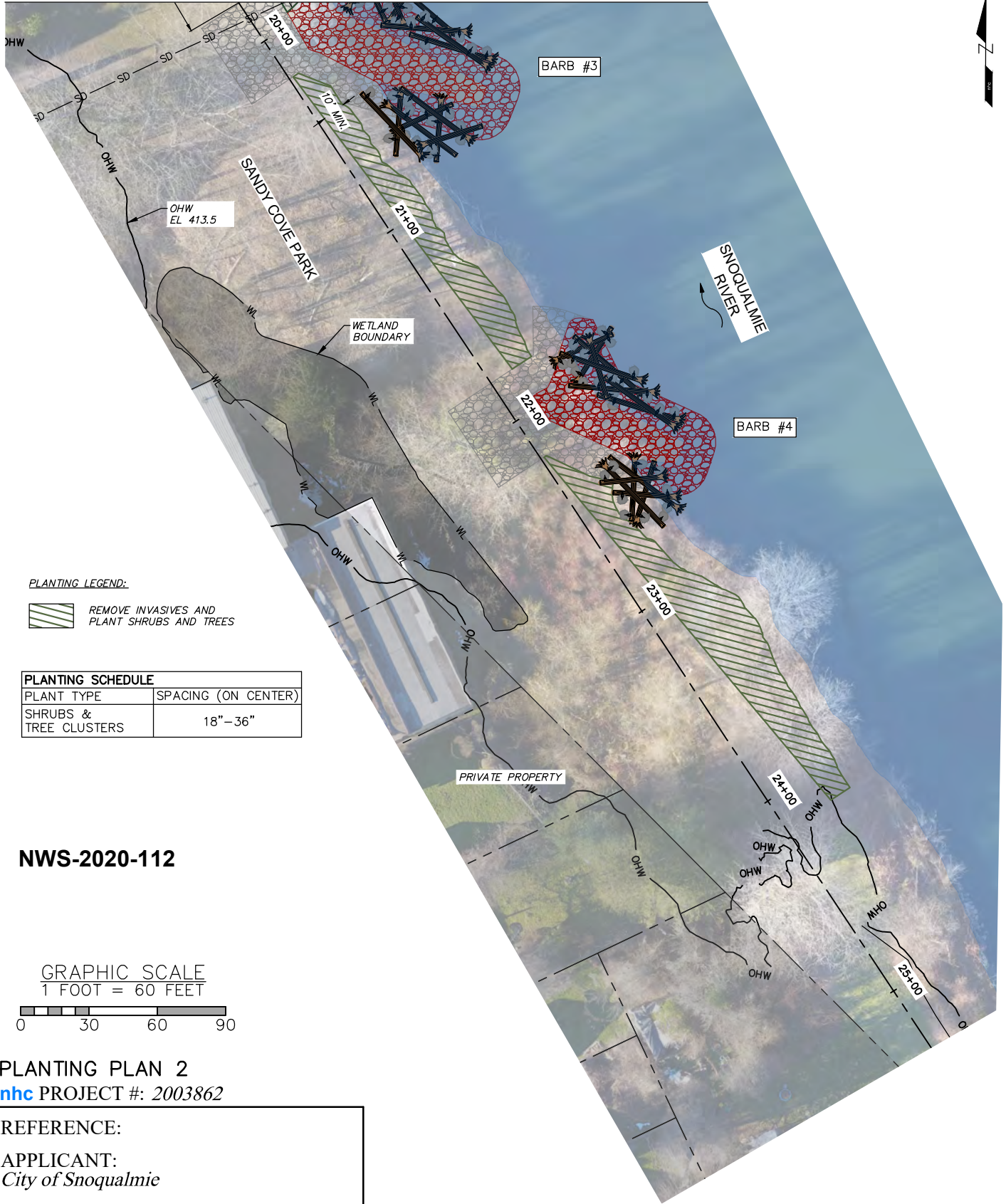
PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065


SHEET: 12 of 14 **DATE: 01/21/20**

SEE SHEET 13 FOR CONTINUATION

SEE SHEET 12 FOR CONTINUATION



PLANTING LEGEND:

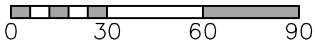
 REMOVE INVASIVES AND PLANT SHRUBS AND TREES

PLANTING SCHEDULE

PLANT TYPE	SPACING (ON CENTER)
SHRUBS & TREE CLUSTERS	18" - 36"

NWS-2020-112

GRAPHIC SCALE
1 FOOT = 60 FEET



PLANTING PLAN 2

nhc PROJECT #: 2003862

REFERENCE:

APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 13 of 14 **DATE:** 01/21/20

PUBLIC ACCESS RAMP DETAIL

nhc PROJECT #: 2003862

REFERENCE:

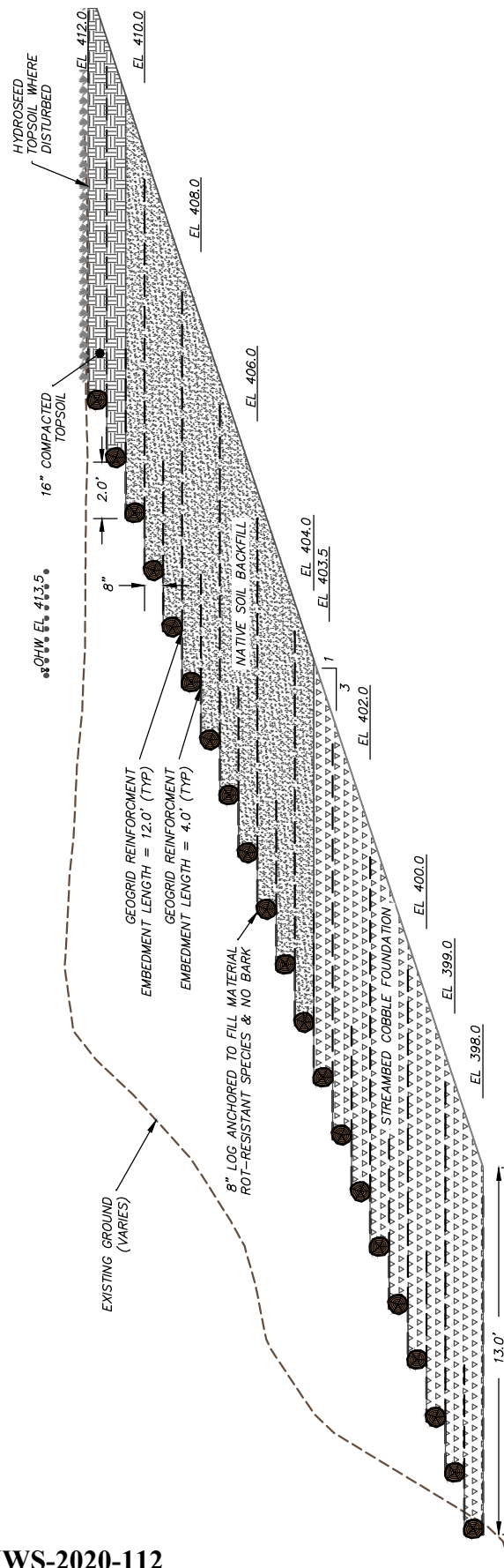
APPLICANT:
City of Snoqualmie

PROPOSED PROJECT:
Sandy Cove Park Bank Protection

LOCATION:
Sandy Cove Park, Snoqualmie, WA 98065

SHEET: 14 of 14 DATE: 01/21/20

NWS-2020-112



SECTION C-C: PUBLIC ACCESS RAMP TYPICAL SECTION

Scale: NTS