



US Army Corps
of Engineers
Seattle District



WASHINGTON STATE
DEPARTMENT OF
E C O L O G Y

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) 764-3262
ATTN: Colleen Anderson,
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: March 13, 2020

Expiration Date: April 12, 2020

Reference No.: NWS-2019-434

**Name: Kenmore, City of
(Squire's Landing Park)**

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 U.S. as described below and shown on the enclosed drawings dated April 12, 2019.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act. Ecology will 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 Kenmore
Attention: Maureen Colaizzi
Parks Project Manager
18120 68th Avenue Northeast
P.O. Box 82607
Kenmore, Washington 98028
Telephone: (425) 398-8900

LOCATION: In the Sammamish River, Swamp Creek, and adjacent wetlands at Kenmore, Washington.

WORK: The applicant proposes to expand the existing water access at Squire's Landing Park which includes, permanently filling 9,120 square feet (sf) of wetlands, temporarily clearing and grading of 10,520 sf of wetlands for up to 6 months, 16,080 square feet of permanent wetland buffer impacts, 9,690 sf temporary wetland buffer impacts for up to 6 months, 2,750 sf of permanent overwater impacts, and 4,760 sf of in-water habitat impacts. Activities include dredging a man-made lagoon, improving boat access, creating habitat benches, installing two float and ramp systems, driving 10 piles, removing a float, maintaining 120 linear feet of an existing bulkhead, and maintaining walkways and viewing decks.

PURPOSE: To improve public shoreline and shoreline access.

ADDITIONAL INFORMATION: Specific actions are:

NWS-2019-434, Kenmore, City of (Squire's Landing Park)

Floats and Gangways: Construct a 744 square feet float with a 720 square feet gangway, and a 504 square feet float and a 436 square feet gangway in the man-made lagoon. Floats would be supported by a total of ten 8-inch-diameter steel piles with 60% grated decking (30%-40% open space) placed by vibratory method with sound attenuation devices to minimize sounds effects. Remove an existing temporary float (168 square feet) in the lagoon. Existing float in Swamp Creek to remain.

Man-Made Lagoon: Dredging 840 cubic yards (710 square feet) from entrance of the man-made lagoon. Place a total of 140 cubic yards of fill material to stabilize slope sides of lagoon. The propose sides slopes on the entrance would have a 2:1 ratio and would be stabilized with cobbles below the plane of Ordinary High Water (OHW). Combined impacts of 2,060 square feet of permanent in-water impacts, 1,770 square feet of permanent wetland impacts, and 880 square feet of permanent wetland buffer impacts from excavation and grading new entrance for lagoon.

Bank Stabilization: Remove 120 linear feet of a failing stone bulkhead, grade slope along the western shoreline of lagoon, and place 90 cubic yards (1,270 square feet) cobbles below the plane of the OHW to stabilize new slope.

Hand Carry Boat Access: Excavation 420 square feet below the OHW with the combined impacts of 110 square feet of temporary wetland impacts, 790 square feet of temporary wetland buffer impacts, 780 square feet of permanent wetland impacts, and 1,390 square feet of permanent wetland buffer impacts. Place 60 cubic yards (1,420 square feet) of washed gravel fill material below the plane of OHW, 30 cubic yards within the wetland, and 130 cubic yards within the wetland buffer.

Elevated Boardwalk with Viewing Decks: Boardwalks and viewing decks would be placed with steel piles or helical anchors placed by vibratory or impact hammer from land-based excavator. Walkways would pre-constructed of pre-fabricated aluminum, steel frame or a combination, with 60% open area ADA grating. Clearing and grabbing for construction of boardwalks and decks would cause 3,280 square feet of temporary wetland impacts.

Shoreline Restoration: Work would include the clearing and grading over-steepened slopes for the removal of invasive species, and replanting with native plants and shrubs with the 3,660 square feet of temporary wetland impacts, and 1,040 of temporary wetland buffer impacts.

Habitat Benches: Excavation below the OHW along the shoreline for the creation of habitat benches with combine impacts of 2,160 square feet temporary wetland impacts.

Asphalt Path: Construction would consists of excavating the existing upland, wetlands, and wetland buffers areas. Path excavation activities would cause 170 square feet of permanent wetland impacts, 630 square feet of temporary wetland buffer impacts and 3,540 square feet of permanent wetland buffer impacts.

Project Impacts not in waters of the U.S.:

Pedestrian Bridges: Construct a 55-foot by 6-foot (330 square feet) bridge over lagoon entrance and a 60-foot by 8-foot (480 square feet) bridge over Swamp Creek. All footings would be landward of the OHW.

Parking Lot: Construction would be excavated from existing upland areas and graded to prepare the subgrade of the parking lot. No fill material is proposed to be placed in wetlands or buffers.

Restroom and Wash-Down Station: Construction of restroom and wash-down station would be connected to the existing sewer line running through the project site. During construction 500 square feet of temporary wetland buffer impacts and 50 square feet of permanent wetland buffer impacts would occur from activities.

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Waterfront and Upland Plaza: Construction would be at-grade with excavation causing 3,630 square feet of temporary wetland buffer impacts and 3,620 square feet of permanent wetland buffer impacts.

Gravel Paths: Construction would consist of excavating the existing upland areas and in the buffers of on site wetlands. Path excavation activities would cause 2,760 square feet of temporary wetland buffer impacts and 3,830 square feet of permanent wetland buffer impacts.

Picnic Pavilion and Plaza: Construction of pavilion would include the removal of an existing mobile home within the park. Excavation and grading would occur within the wetland buffer with combined impacts of 340 square feet of temporary wetland buffer impacts and 1,430 of permanent wetland buffer impacts.

The wetland boundaries and/or location of the ordinary high water mark shown on the project drawings have not yet been verified by the Corps. If the Corps determines the boundaries of the wetland/waters are substantially inaccurate a new public notice may be published.

MITIGATION: Wetland impacts of 9,120 square feet and 16,080 square feet wetland buffer impacts would be offset with on-site permittee-responsible mitigation.

| Impact Habitat | Area of Impact (SF) | Mitigation Type | Mitigation Ratio | Mitigation Area (SF) | Habitat Values and Functions |
|----------------|---------------------|---------------------|------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wetlands | 9,120 | Wetland Creation | 1:1 | 9,120 | -High-quality, proper function wildlife habitat. -Improvements to water quality and hydrology. -High-quality, proper functioning water quality function. |
| | | Wetland Enhancement | 6:1 | 54,820 | |
| Buffer | 16,080 | Buffer Enhancement | 1:1 | 16,630 | -High-quality, proper function wildlife habitat. -Support the wetland enchantment functions. -provides increased water quality by filtration of surface flows to wetlands and streams. |
| Total | 25,200 | | | 80,570 | |

SF= square feet

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 Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or

NWS-2019-434, Kenmore, City of (Squire's Landing Park)

proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area.

If the Corps determines that the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will initiate EFH consultation with the NMFS. The Corps' final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

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. The permit area has the potential to contain historic properties eligible for inclusion in the National Register. An investigation for the presence of eligible historic properties is justified.

The Corps invites responses to 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 will 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 will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will 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 will 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 will 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 will 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 applicant has not yet identified the source of the fill material. Should a permit be issued, the Corps will evaluate the fill material source prior to the start of construction.

EVALUATION – ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations

NWS-2019-434, Kenmore, City of (Squire's Landing Park)

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 will be considering all comments to determine whether to certify or deny certification for the proposed project.

This proposal is the subject of Shorelines Substantial Development Permit, a permit number has not been issued.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will 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 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.

CORPS COMMENTS: All e-mail comments should be sent to colleen.c.anderson@usace.army.mil or at (206) 764-3262. Conventional mail comments should be sent to: U.S. Army Corps of Engineers, Regulatory Branch, Attention: Colleen Anderson P.O. Box 3755, Seattle, Washington 98124-3755. All comments received will 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.

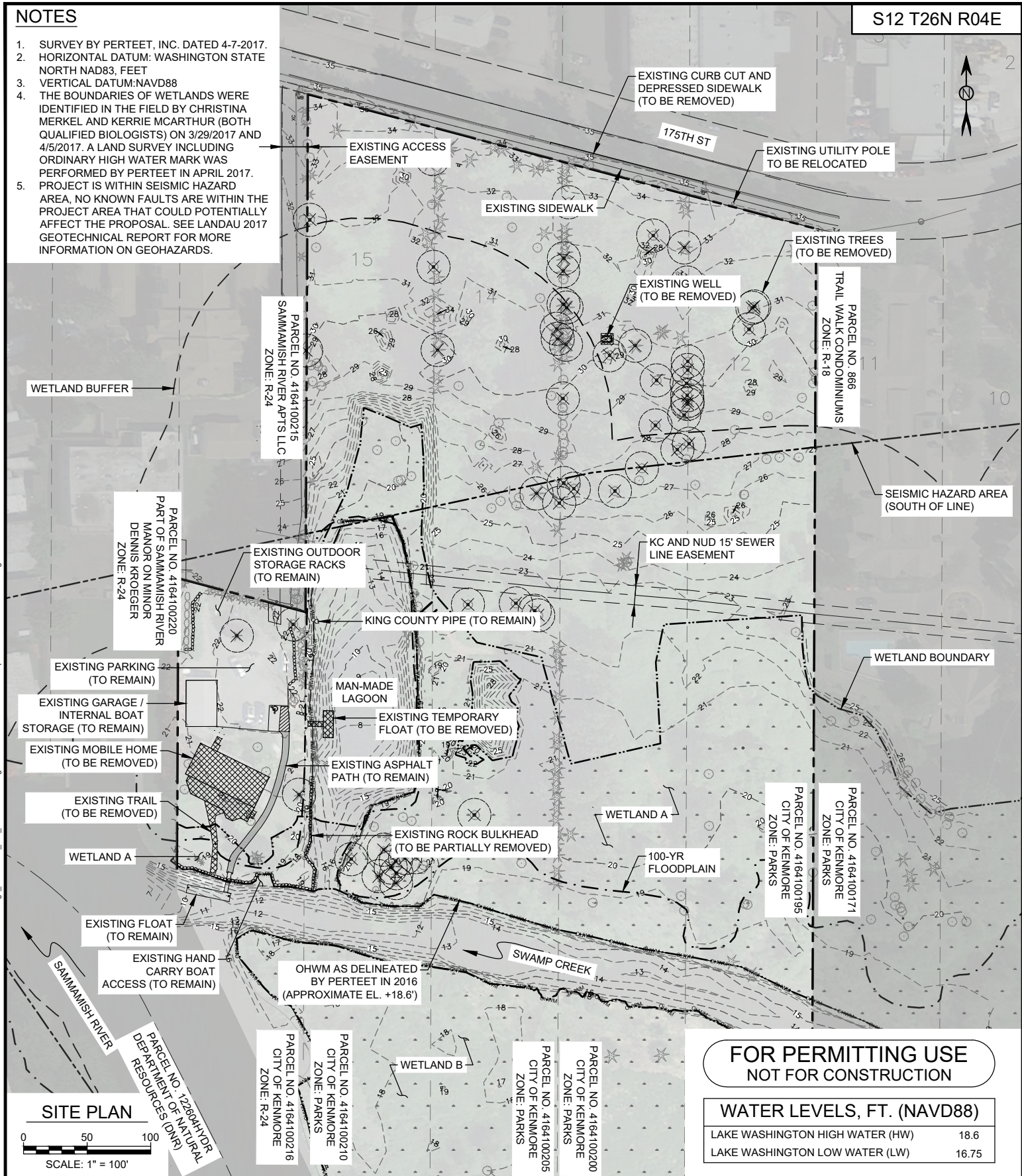
ECOLOGY COMMENTS: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Washington State Department of Ecology, Attention: Federal Permit Coordinator, Post Office 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: NWS-2019-434 Kenmore, City of (Squire's Landing Park)

Enclosure: Figures (24)

NOTES

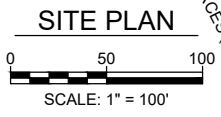
1. SURVEY BY PERTEET, INC. DATED 4-7-2017.
2. HORIZONTAL DATUM: WASHINGTON STATE NORTH NAD83, FEET
3. VERTICAL DATUM: NAVD88
4. THE BOUNDARIES OF WETLANDS WERE IDENTIFIED IN THE FIELD BY CHRISTINA MERKEL AND KERRIE MCARTHUR (BOTH QUALIFIED BIOLOGISTS) ON 3/29/2017 AND 4/5/2017. A LAND SURVEY INCLUDING ORDINARY HIGH WATER MARK WAS PERFORMED BY PERTEET IN APRIL 2017.
5. PROJECT IS WITHIN SEISMIC HAZARD AREA, NO KNOWN FAULTS ARE WITHIN THE PROJECT AREA THAT COULD POTENTIALLY AFFECT THE PROPOSAL. SEE LANDAU 2017 GEOTECHNICAL REPORT FOR MORE INFORMATION ON GEOHAZARDS.



**FOR PERMITTING USE
NOT FOR CONSTRUCTION**

WATER LEVELS, FT. (NAVD88)

| | |
|---------------------------------|-------|
| LAKE WASHINGTON HIGH WATER (HW) | 18.6 |
| LAKE WASHINGTON LOW WATER (LW) | 16.75 |



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
EXISTING SITE PLAN**

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

COUNTY: KING














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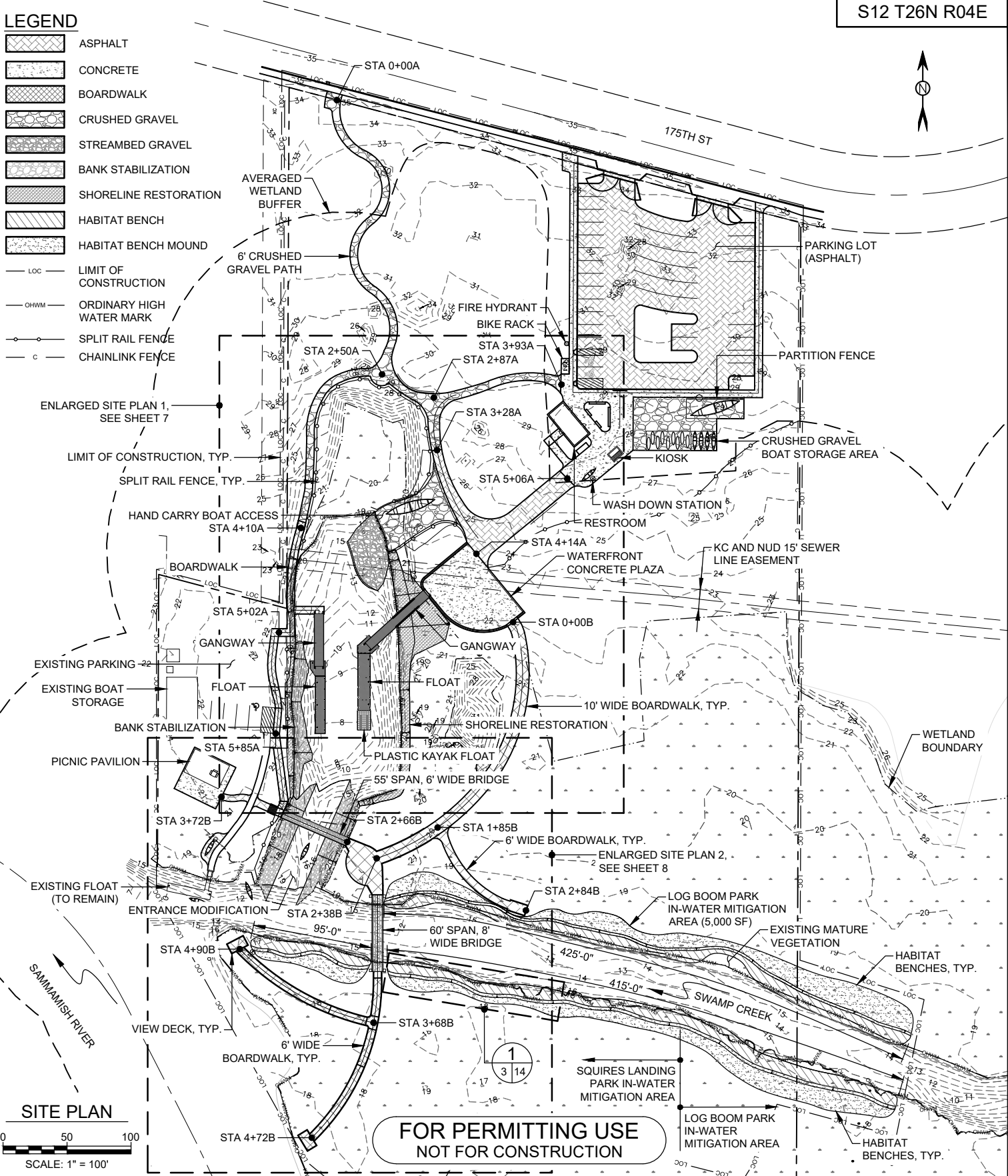
SHEET 2 OF 24 **DATE:** 4/12/19

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LEGEND

-  ASPHALT
-  CONCRETE
-  BOARDWALK
-  CRUSHED GRAVEL
-  STREAMBED GRAVEL
-  BANK STABILIZATION
-  SHORELINE RESTORATION
-  HABITAT BENCH
-  HABITAT BENCH MOUND
-  LOC LIMIT OF CONSTRUCTION
-  OHWM ORDINARY HIGH WATER MARK
-  SPLIT RAIL FENCE
-  CHAINLINK FENCE



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
PROPOSED SITE PLAN**

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434







COUNTY: KING

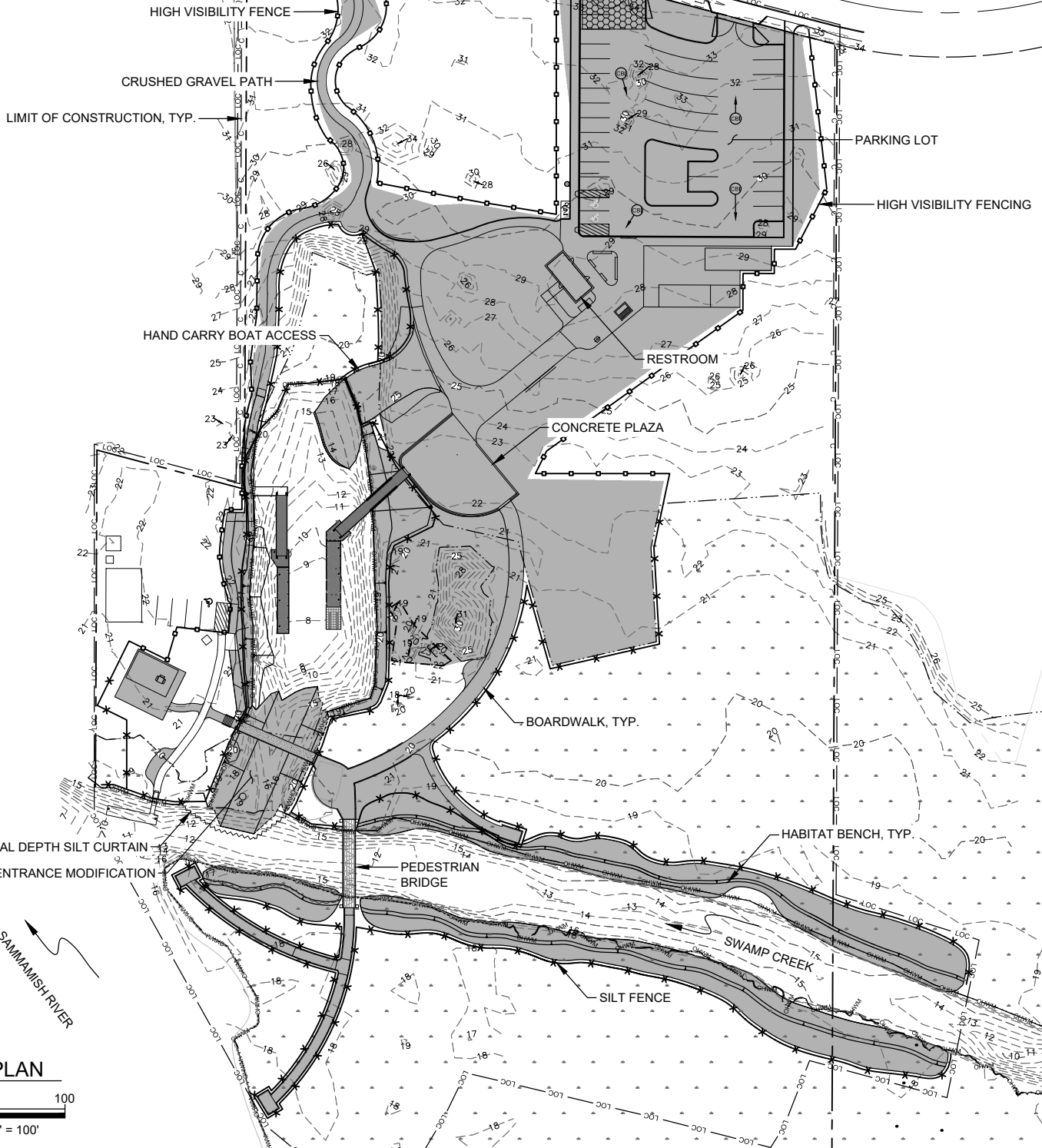
SHEET 3 OF 24 DATE: 4/12/19

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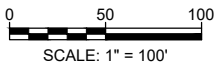
NOTE: CONTRACTOR SHALL USE HIGH-VISIBILITY FENCING TO CLEARLY MARK ADJACENT HABITAT TO BE AVOIDED IN THE CONSTRUCTION AREA.

LEGEND

-  EARTHWORK ACTIVITIES
-  CONSTRUCTION ENTRANCE
-  SILT FENCE
-  HIGH VISIBILITY FENCE
-  PARTIAL DEPTH SILT CURTAIN
-  LIMIT OF CONSTRUCTION



SITE PLAN



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PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

CITY OF KENMORE
 SQUIRE'S LANDING PARK
 WATERFRONT ACCESS IMPROVEMENTS

TESC PLAN

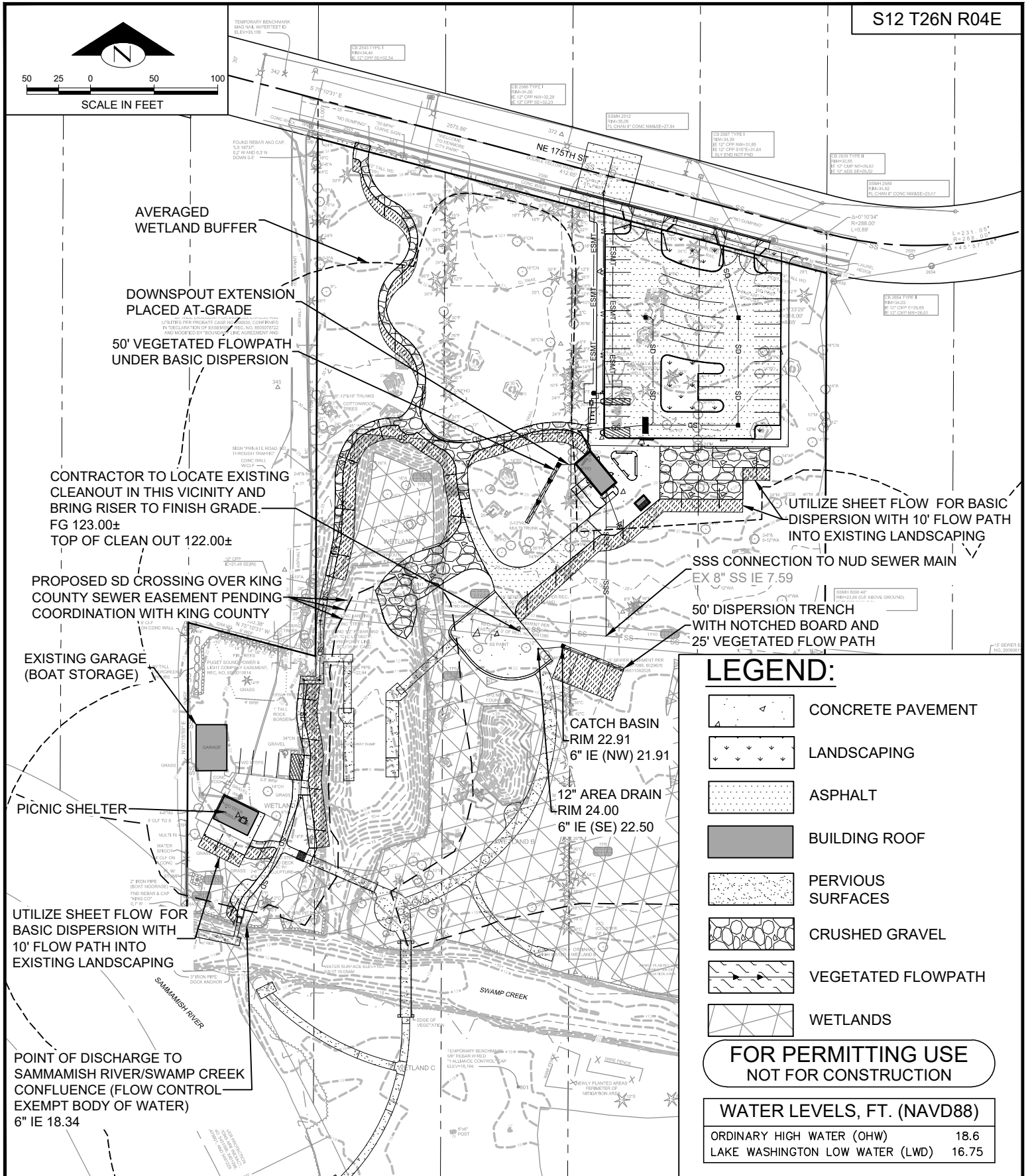
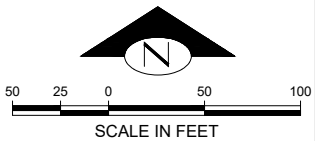
PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 4 OF 24 DATE: 4/12/19



AVERAGED WETLAND BUFFER

DOWNSPOUT EXTENSION PLACED AT-GRADE

50' VEGETATED FLOWPATH UNDER BASIC DISPERSION

CONTRACTOR TO LOCATE EXISTING CLEANOUT IN THIS VICINITY AND BRING RISER TO FINISH GRADE. FG 123.00± TOP OF CLEAN OUT 122.00±

PROPOSED SD CROSSING OVER KING COUNTY SEWER EASEMENT PENDING COORDINATION WITH KING COUNTY

EXISTING GARAGE (BOAT STORAGE)

PICNIC SHELTER

UTILIZE SHEET FLOW FOR BASIC DISPERSION WITH 10' FLOW PATH INTO EXISTING LANDSCAPING

POINT OF DISCHARGE TO SAMMAMISH RIVER/SWAMP CREEK CONFLUENCE (FLOW CONTROL EXEMPT BODY OF WATER) 6" IE 18.34

UTILIZE SHEET FLOW FOR BASIC DISPERSION WITH 10' FLOW PATH INTO EXISTING LANDSCAPING

SSS CONNECTION TO NUD SEWER MAIN EX 8" SS IE 7.59

50' DISPERSION TRENCH WITH NOTCHED BOARD AND 25' VEGETATED FLOW PATH

CATCH BASIN RIM 22.91 6" IE (NW) 21.91

12" AREA DRAIN RIM 24.00 6" IE (SE) 22.50

LEGEND:

- CONCRETE PAVEMENT
- LANDSCAPING
- ASPHALT
- BUILDING ROOF
- PERVIOUS SURFACES
- CRUSHED GRAVEL
- VEGETATED FLOWPATH
- WETLANDS

**FOR PERMITTING USE
NOT FOR CONSTRUCTION**

| WATER LEVELS, FT. (NAVD88) | |
|---------------------------------|-------|
| ORDINARY HIGH WATER (OHW) | 18.6 |
| LAKE WASHINGTON LOW WATER (LWD) | 16.75 |

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122604HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

CIVIL SITE PLAN

PROPOSED: WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 5 OF 24

DATE: 4/12/2019

NEW WATER MAIN
EXTENSION TO CONNECT TO
EX WATER MAIN VIA NEW TEE

CONTRACTOR TO RE-PAINT
DOUBLE YELLOW STRIPING IN
KIND FOLLOWING COMPLETION
OF PAVEMENT RESTORATION.

CB 2587
RIM=34.3
IE 12" CP
IE 12" CP
SLY EN

S12 T26N R04E



15 7.5 0 15 30
SCALE IN FEET

REMOVE EXISTING CURB CUT
AND DEPRESSED SIDEWALK;
REPLACE WITH NEW SIDEWALK
PANELS AND CEMENT CONC
VERTICAL CONC CURB & GUTTER

REMOVE EXISTING CURB CUT AND
DEPRESSED SIDEWALK; REPLACE WITH
NEW SIDEWALK PANELS AND CEMENT
CONC VERTICAL CONC CURB & GUTTER

ASPHALT PAVEMENT REPLACEMENT
PER SECTION 11.03.E.d OF THE CITY
OF KENMORE 2016 ROAD
STANDARDS. PROVIDE FULL-DEPTH
REPLACEMENT FOR PAVEMENT
DISTURBED BY TRENCHING
ACTIVITIES; GRIND AND OVERLAY
PAVEMENT AREAS UNDISTURBED
BY TRENCHING ACTIVITIES.

WETLAND BUFFER

15' DISTRICT WATER EASEMENT

195 LF 8" DIP
WATER MAIN
EXTENSION

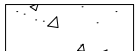
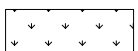
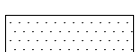

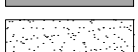
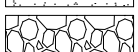
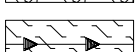
NEW DRIVEWAY
ENTRANCE

PROTECT EX INLET DURING
CONSTRUCTION. IF
DAMAGED, REPLACE IN KIND.

"NO DUMP"
NEW DRIVEWAY
ENTRANCE

EXISTING UTILITY POLE
TO BE RELOCATED OUT
OF CONFLICT WITH NEW
DRIVEWAY BY FRONTIER
COMMUNICATIONS PER
LOI DATED 10/9/2018.

LEGEND:

-  CONCRETE PAVEMENT
-  LANDSCAPING
-  ASPHALT
-  BUILDING ROOF
-  PERVIOUS SURFACES
-  CRUSHED GRAVEL
-  VEGETATED FLOWPATH

**FOR PERMITTING USE
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WATER LEVELS, FT. (NAVD88)

ORDINARY HIGH WATER (OHW) 18.6
LAKE WASHINGTON LOW WATER (LWD) 16.75

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

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4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

CIVIL SITE PLAN - PARKING LOT

PROPOSED: WETLAND ENHANCEMENT AND
RIPARIAN HABITAT IMPROVEMENT

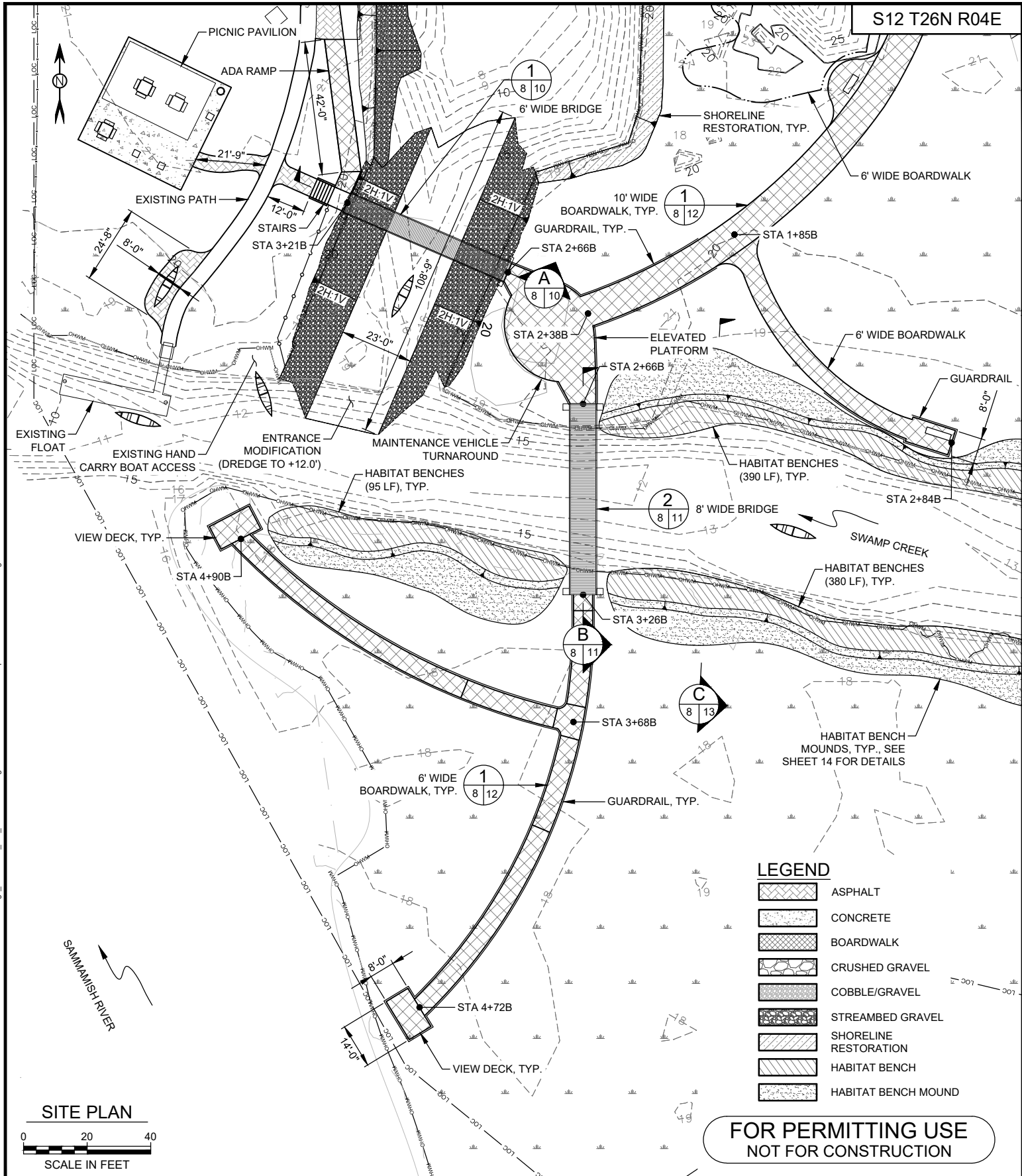
NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 6 OF 24

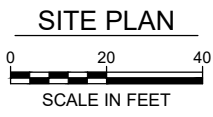
DATE: 4/12/2019



LEGEND

| | |
|-----------|-----------------------|
| [Pattern] | ASPHALT |
| [Pattern] | CONCRETE |
| [Pattern] | BOARDWALK |
| [Pattern] | CRUSHED GRAVEL |
| [Pattern] | COBBLE/GRAVEL |
| [Pattern] | STREAMBED GRAVEL |
| [Pattern] | SHORELINE RESTORATION |
| [Pattern] | HABITAT BENCH |
| [Pattern] | HABITAT BENCH MOUND |

**FOR PERMITTING USE
NOT FOR CONSTRUCTION**



**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS**

ENLARGED SITE PLAN 2

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

- SAMMAMISH RIVER APTS LLC
- DENNIS KROEGER
- DEPARTMENT OF NATURAL RESOURCES (DNR)
- TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

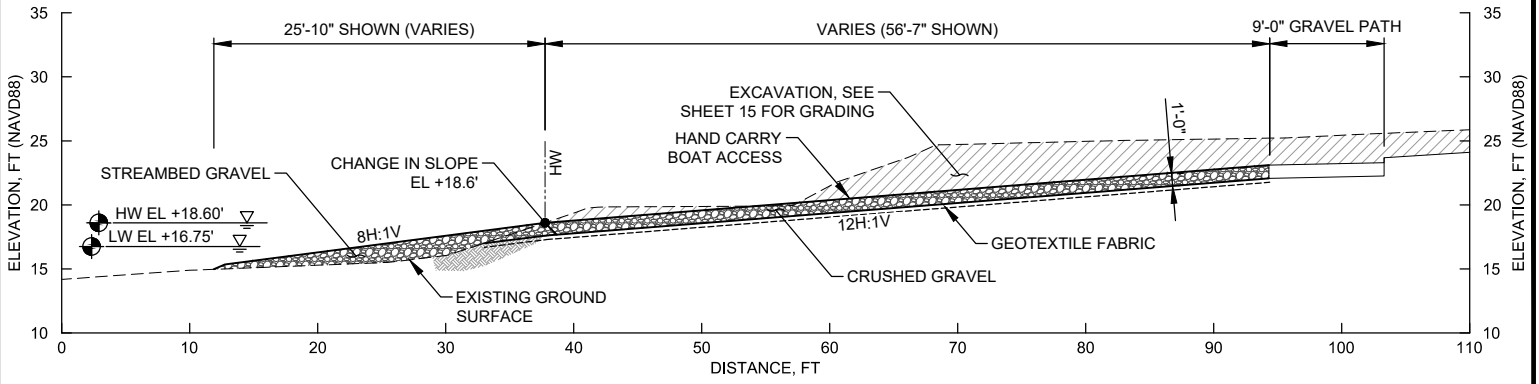
NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

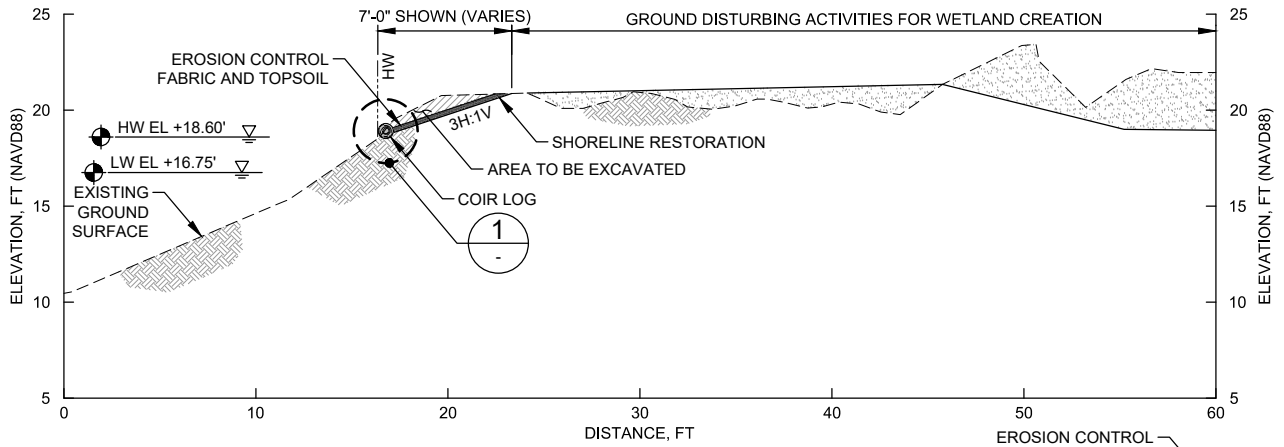
COUNTY: KING **NWS-2020-434**

SHEET 8 OF 24 **DATE:** 4/12/19

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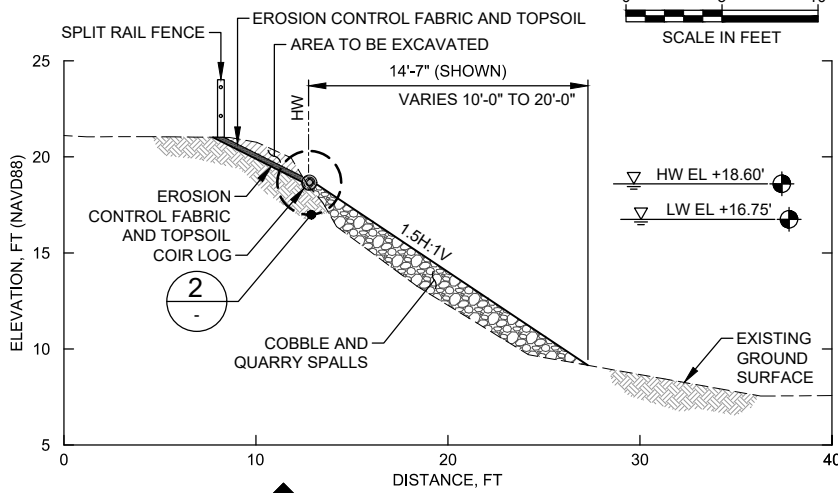


SECTION A
HAND CARRY BOAT ACCESS
SCALE IN FEET
0 7.5 15

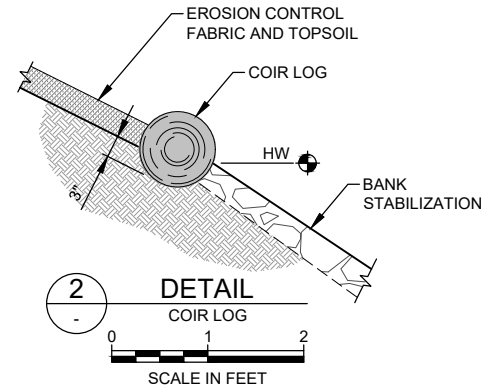
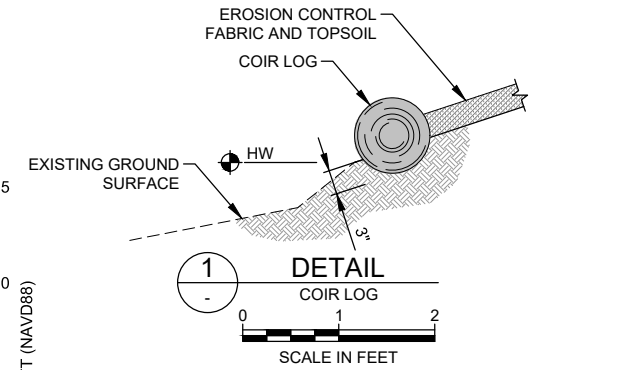


SECTION B
SHORELINE RESTORATION
EAST SIDE OF LAGOON
SCALE IN FEET
0 5 10

NOTE: SEE SHEET 18 FOR PLANTING DETAILS



SECTION C
SHORELINE RESTORATION
WEST SIDE OF LAGOON
SCALE IN FEET
0 5 10



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
SHORELINE SECTIONS**

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

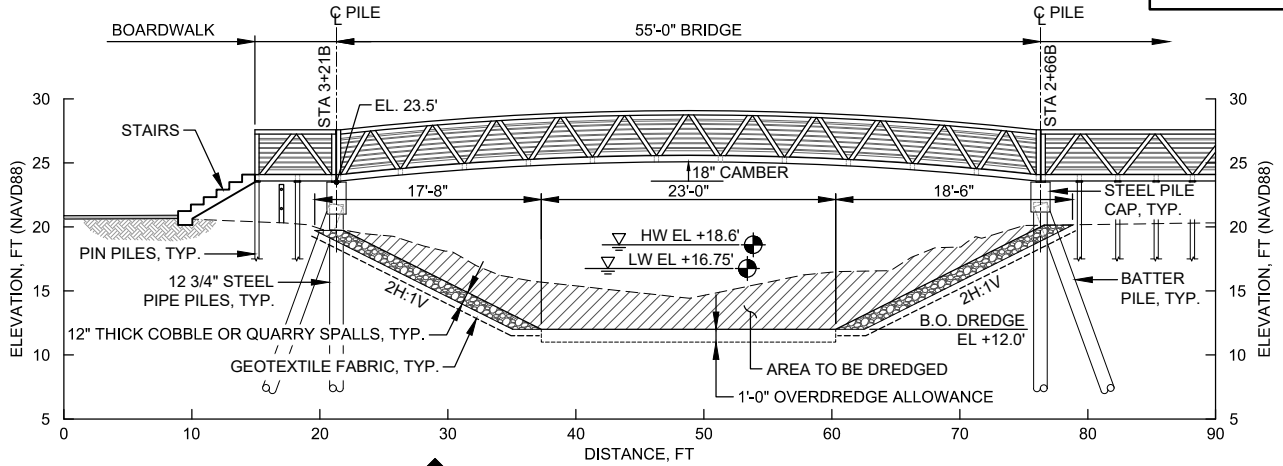
AT: CITY OF KENMORE

COUNTY: KING

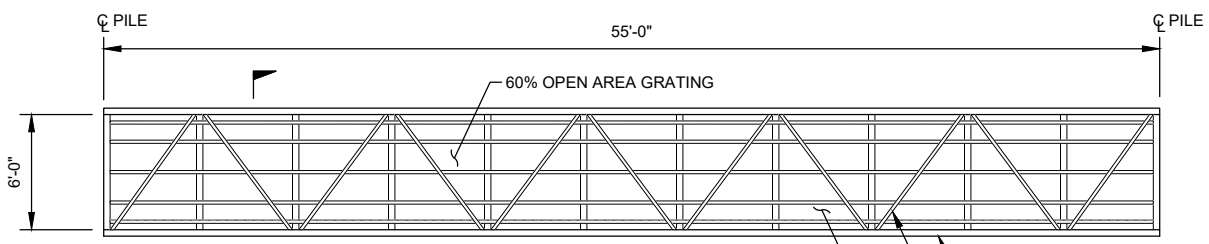
NWS-2020-434

SHEET 9 OF 24

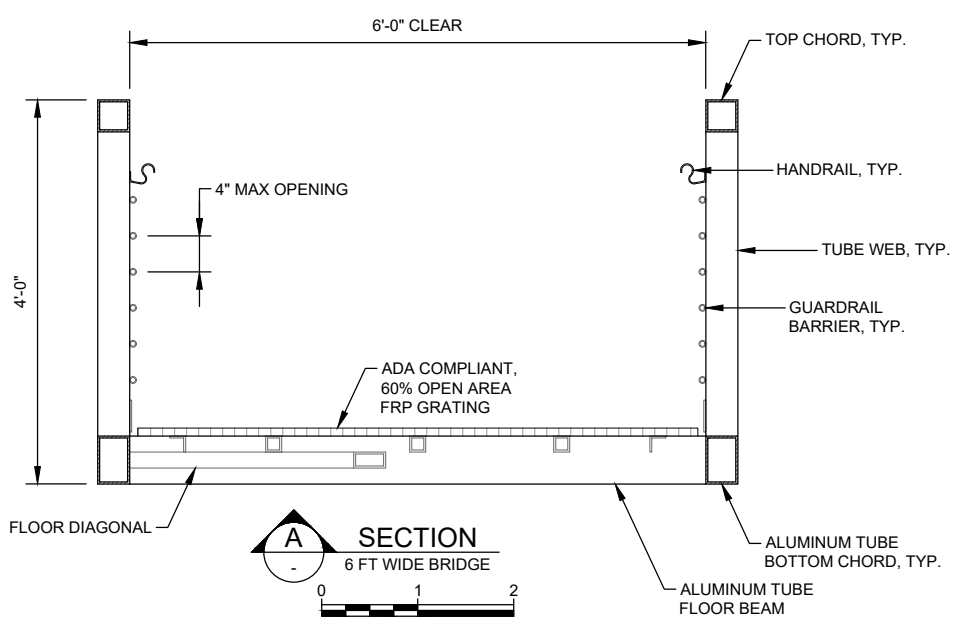
DATE: 4/12/19



SECTION
ENTRANCE WIDENING AND BRIDGE
SCALE IN FEET



DETAIL - PLAN VIEW
55 FT BRIDGE
SCALE IN FEET



SECTION
6 FT WIDE BRIDGE
SCALE IN FEET

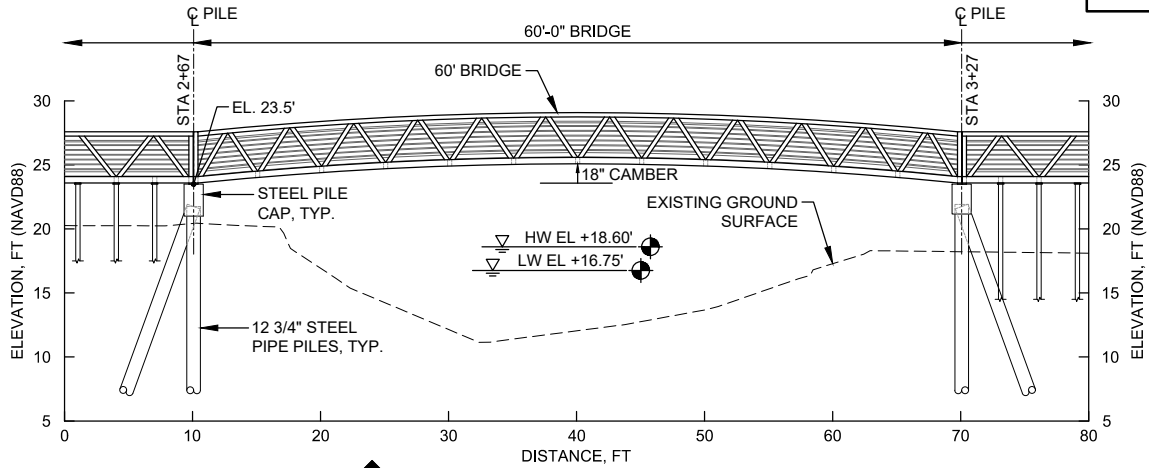
NOTE
1. STRUCTURAL MEMBERS MAY BE ALUMINUM OR STEEL TUBE.

PURPOSE: WATERFRONT PARK IMPROVEMENTS
VERTICAL DATUM: NAVD88
ADJACENT PROPERTY OWNERS:
1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS
APPLICATION BY: CITY OF KENMORE

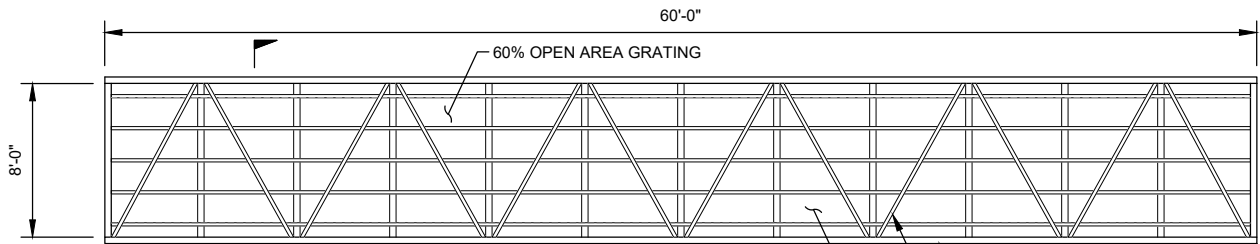
CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
BRIDGE SECTION & DETAILS 1

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT
NEAR: SAMMAMISH RIVER
AT: CITY OF KENMORE NWS-2020-434
COUNTY: KING
SHEET 10 OF 24 **DATE:** 4/12/19

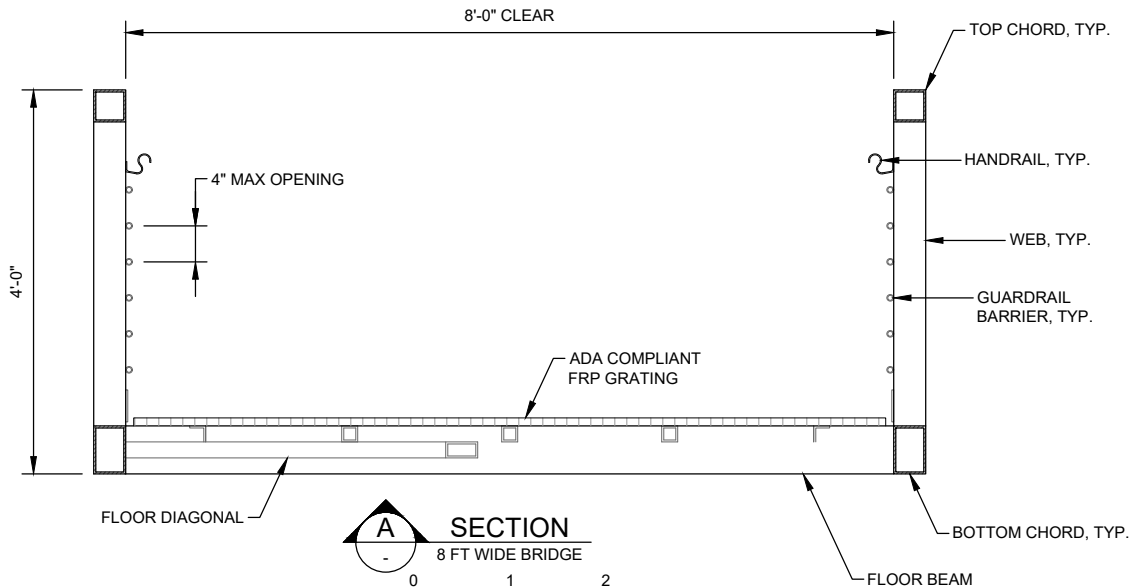
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SECTION B
60 FT BRIDGE (SWAMP CREEK)
SCALE IN FEET



DETAIL - PLAN VIEW
60 FT BRIDGE
SCALE IN FEET



SECTION A
8 FT WIDE BRIDGE
SCALE IN FEET

NOTE
1. STRUCTURAL MEMBERS MAY BE ALUMINUM OR STEEL TUBE.

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
BRIDGE SECTION & DETAILS 2**

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

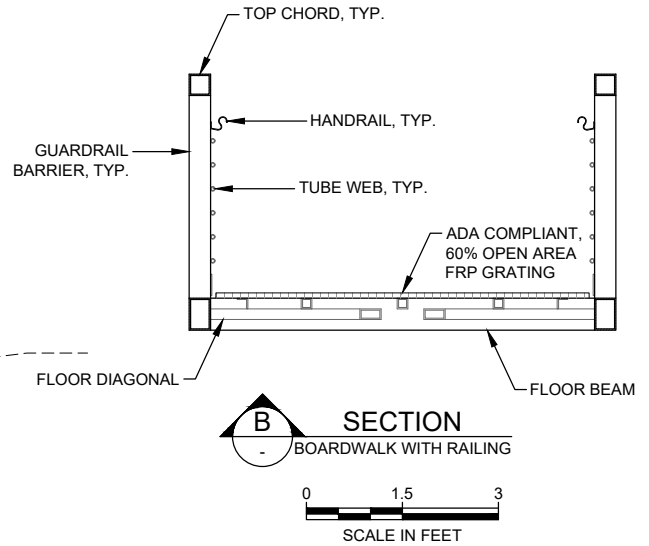
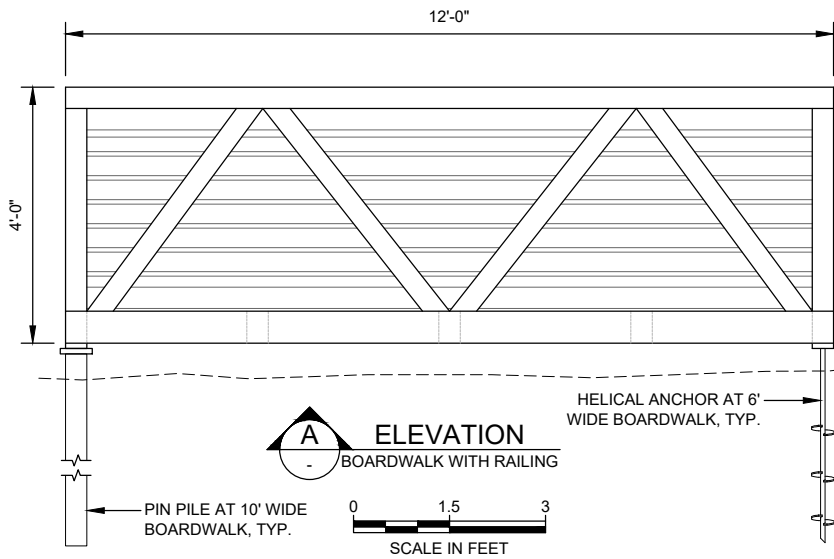
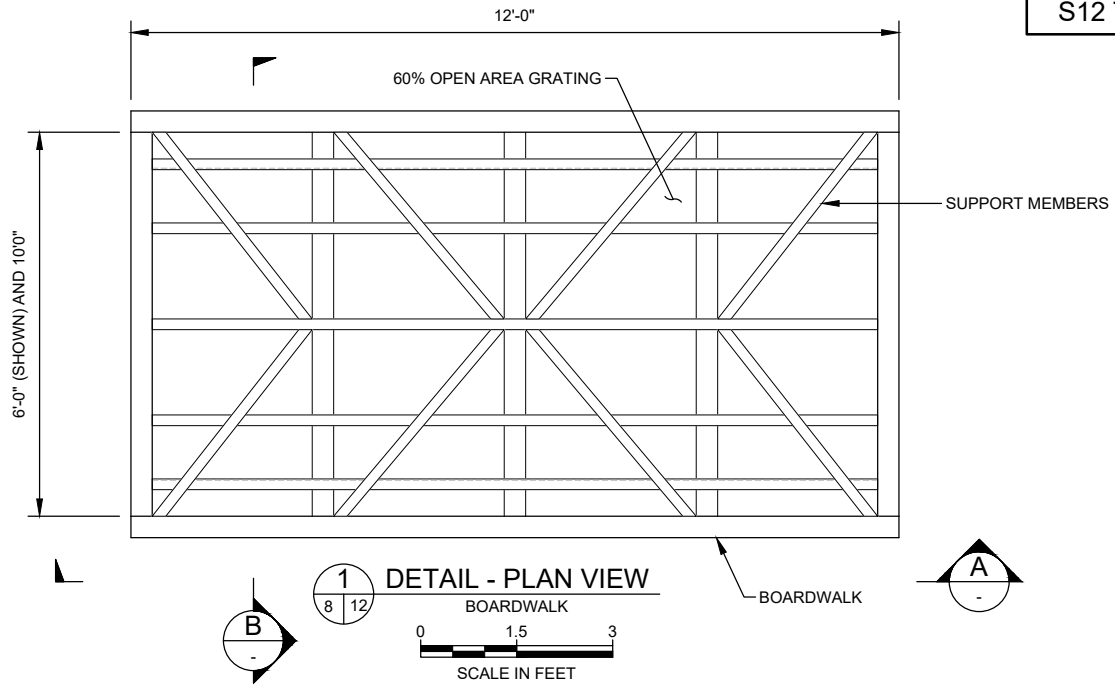
AT: CITY OF KENMORE

COUNTY: KING

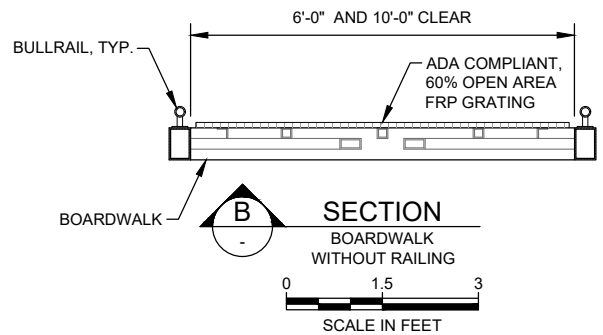
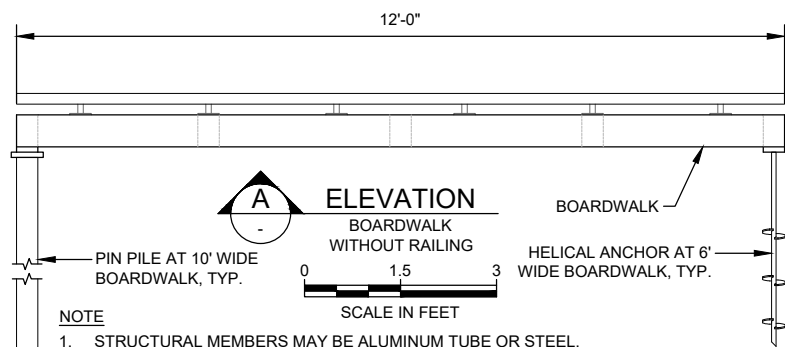
SHEET 11 OF 24

NWS-2020-434

DATE: 4/12/19



NOTE
 USE OF PIN PILE AND HELICAL ANCHORS WILL VARY BASED ON LOADING AND GEOMETRY OF BOARDWALK (WIDTH AND HEIGHT ABOVE GROUND)



NOTE
 1. STRUCTURAL MEMBERS MAY BE ALUMINUM TUBE OR STEEL.

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
 SQUIRE'S LANDING PARK
 WATERFRONT ACCESS IMPROVEMENTS
 BOARDWALK SECTION & DETAILS**

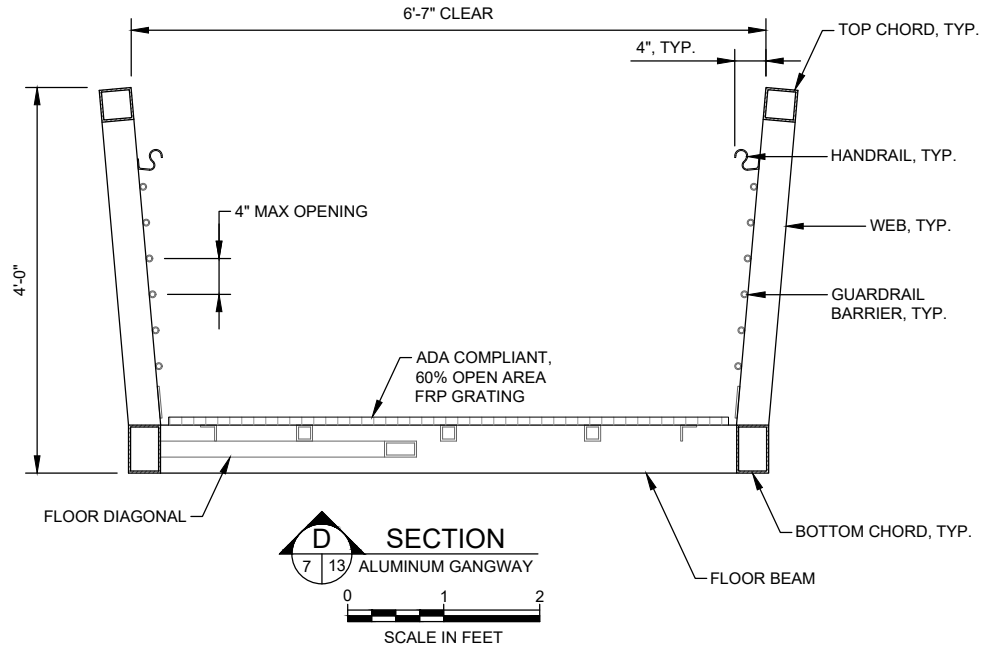
PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

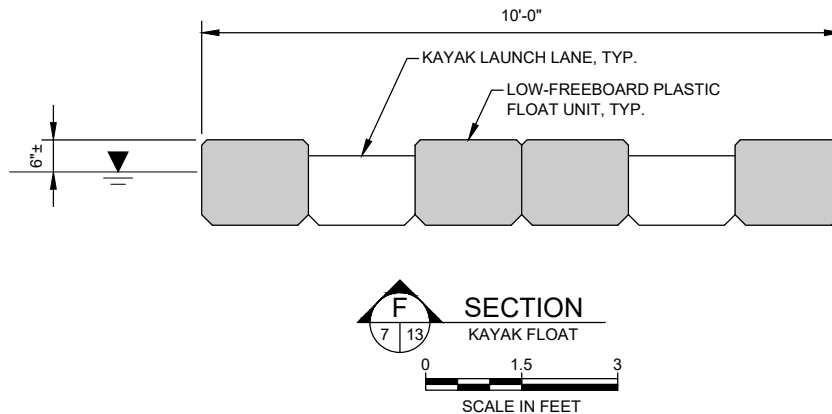
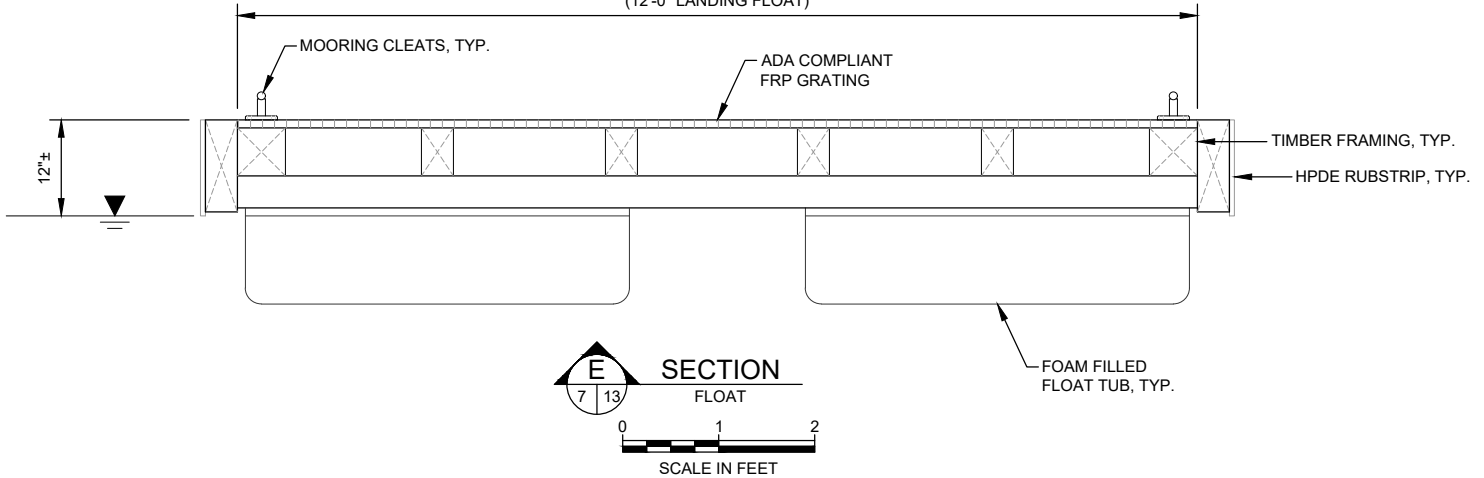
AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 12 OF 24 **DATE:** 4/12/19



VARIES
(10'-0" LOW FREEBOARD FLOAT)
(12'-0" LANDING FLOAT)



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
FLOAT & GANGWAY SECTIONS**

PROPOSED: WATER ACCESS AND WETLAND
ENHANCEMENT AND RIPARIAN
HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

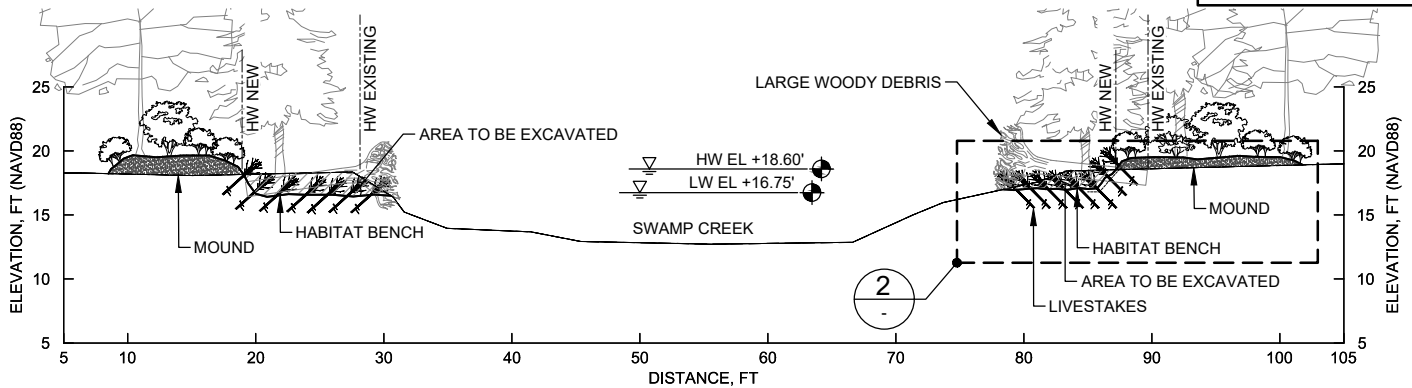
AT: CITY OF KENMORE

COUNTY: KING

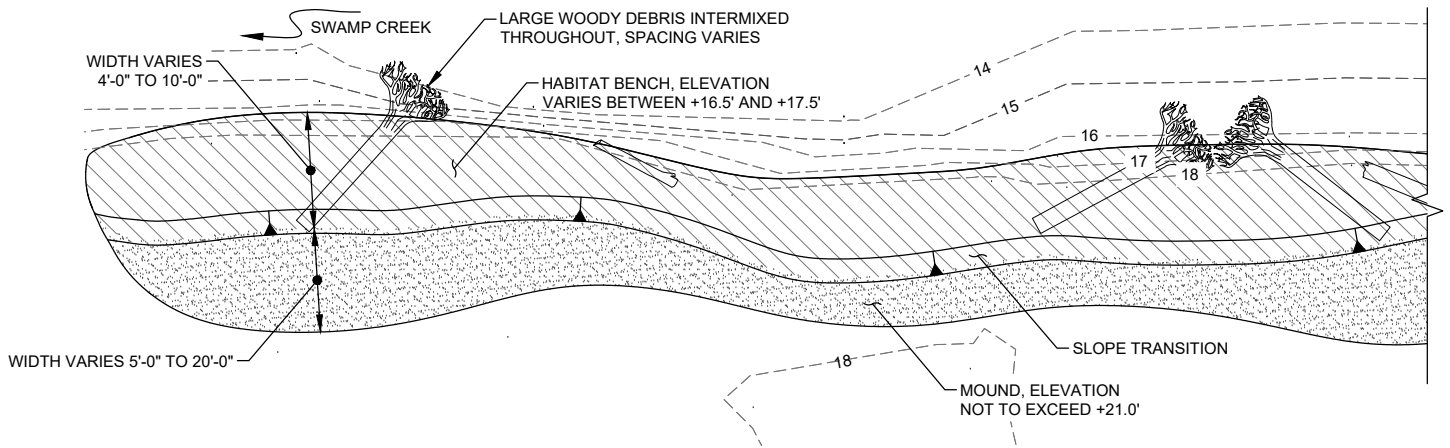
NWS-2020-434

SHEET 13 **OF** 24

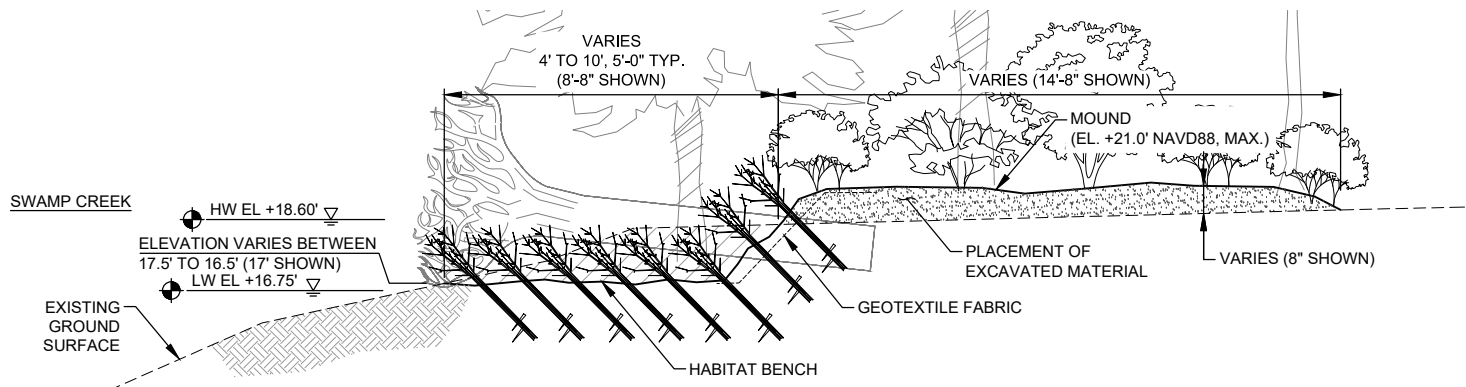
DATE: 4/12/19



C
8 14
SECTION
HABITAT BENCHES, TYP
0 7.5 15
SCALE IN FEET



1
3 14
DETAIL
HABITAT BENCH
0 10 20
SCALE IN FEET



2
DETAIL
HABITAT BENCH
0 2.5 5
SCALE IN FEET

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PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DEPARTMENT OF NATURAL RESOURCES (DNR)
4. TRAIL WALK CONDOMINIUMS

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
WATERFRONT ACCESS IMPROVEMENTS
HABITAT BENCH SECTIONS**

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

NWS-2020-434

COUNTY: KING

SHEET 14 **OF** 24

DATE: 4/12/19

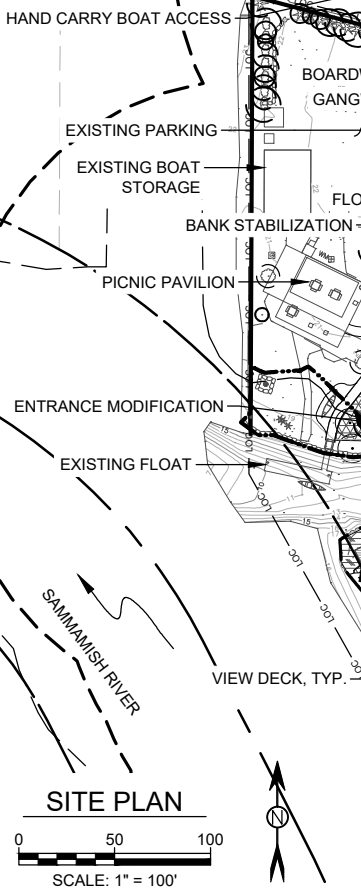
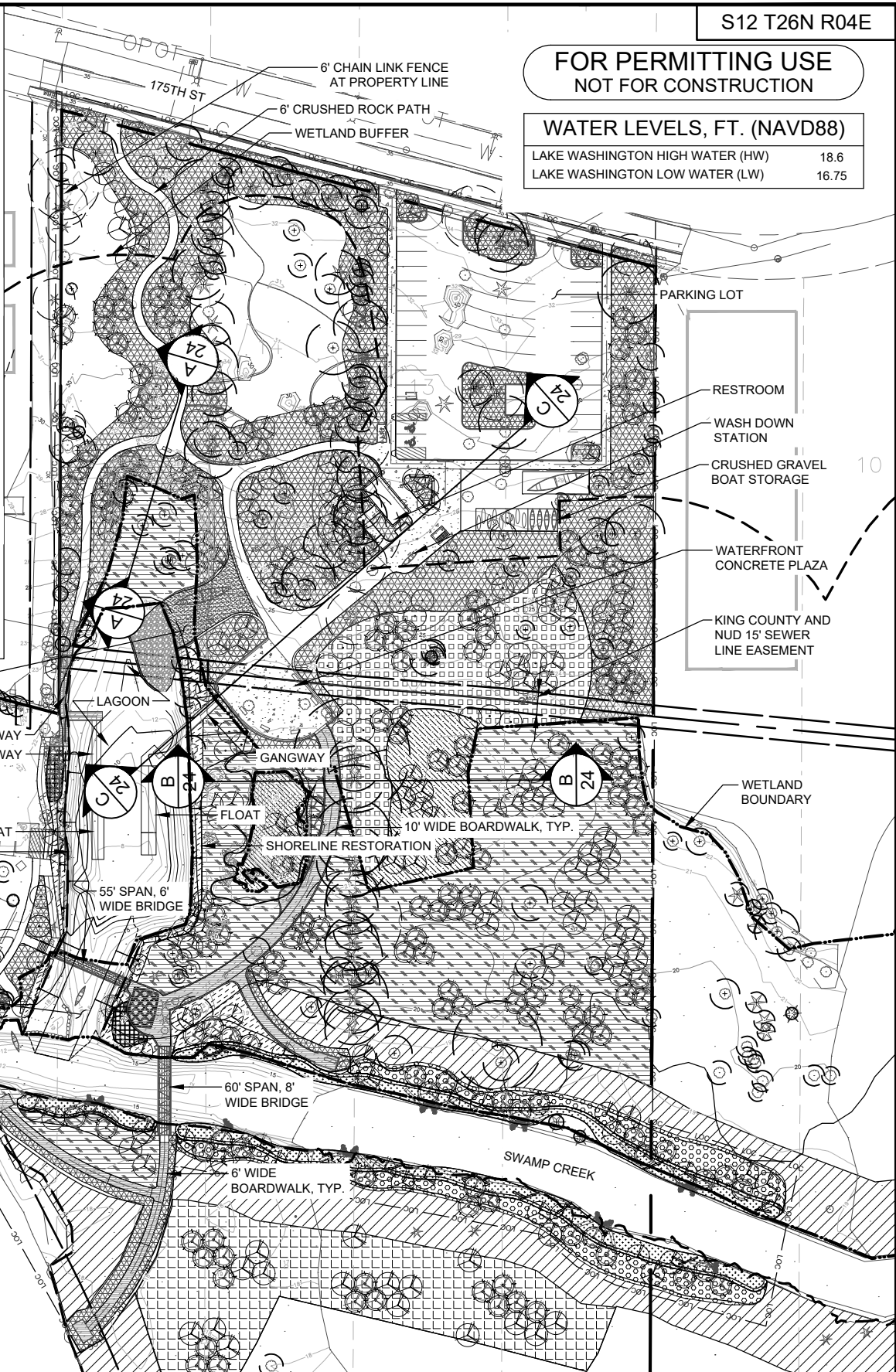
FOR PERMITTING USE
NOT FOR CONSTRUCTION

WATER LEVELS, FT. (NAVD88)

| | |
|---------------------------------|-------|
| LAKE WASHINGTON HIGH WATER (HW) | 18.6 |
| LAKE WASHINGTON LOW WATER (LW) | 16.75 |

LEGEND

- WETLAND ENHANCEMENT
- BUFFER ENHANCEMENT
- ADDITIONAL LANDSCAPE RESTORATION
- WETLAND CREATION
- PREVIOUS MITIGATION AREAS
- UNDISTURBED RCO 14-1333 AREA
- RCO RELOCATED
- OVERWATER ENHANCEMENT (HABITAT BENCH)
- RESTORED RCO 14-1333 AREA
- SHORELINE RESTORATION
- LARGE WOODY DEBRIS/HABITAT LOG



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122804HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS

MITIGATION/PLANTING
PROPOSED SITE PLAN

PROPOSED: WATER ACCESS AND WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

COUNTY: KING

NWS-2020-434

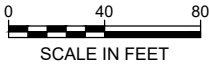
SHEET 15 OF 24

DATE: 04/12/19

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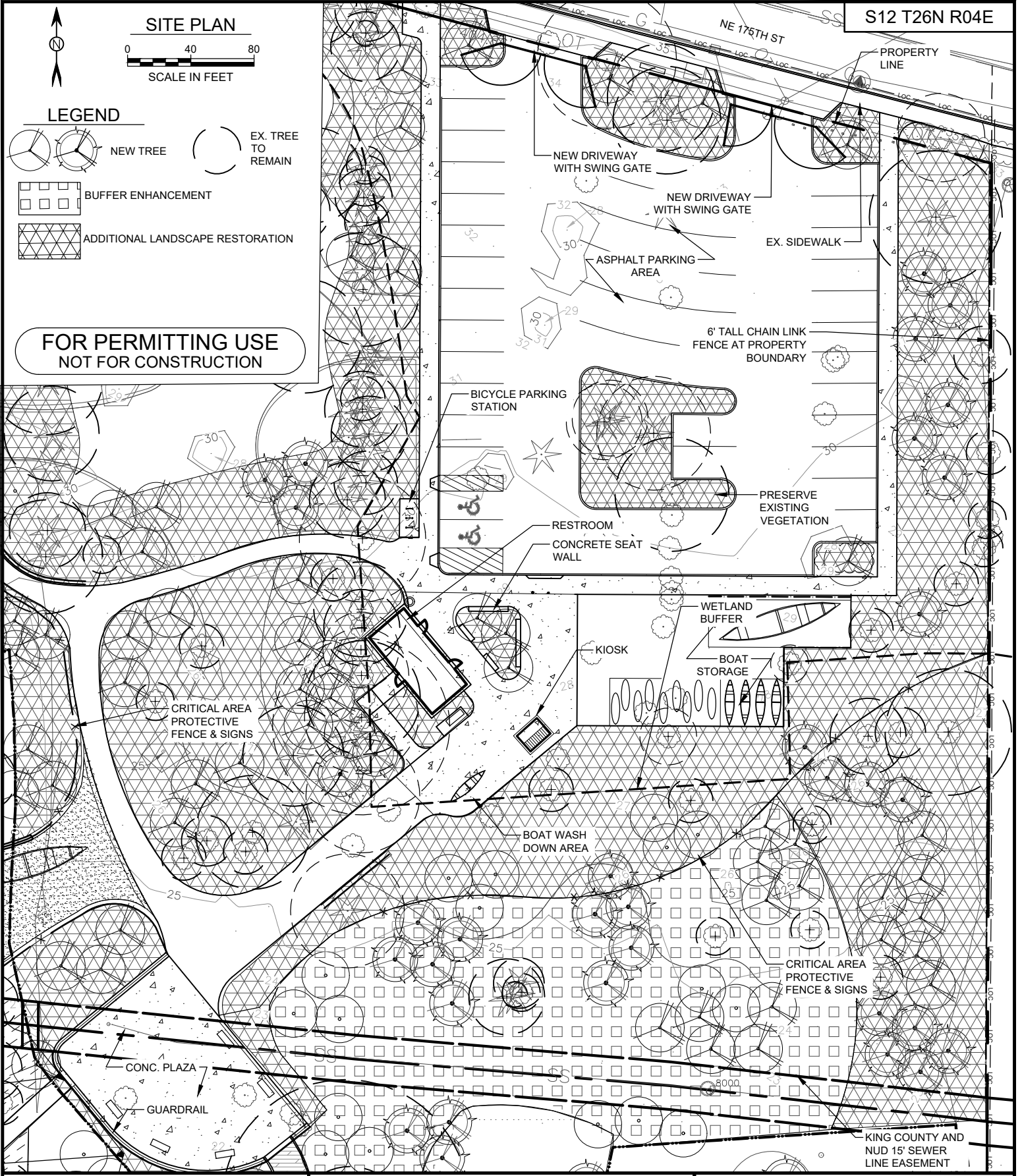
SITE PLAN



LEGEND

- NEW TREE
- EX. TREE TO REMAIN
- BUFFER ENHANCEMENT
- ADDITIONAL LANDSCAPE RESTORATION

FOR PERMITTING USE
NOT FOR CONSTRUCTION



FILE: pw:\panspwise\himg\cctpw_park\harbors\Documents\535381-CITY OF KENMORE WATERFRONT IMP\Drawings_Mitigation\SLP-ARPA-Mitigation_Sheets.dwg

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122804HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS

MITIGATION/PLANTING
ENLARGED SITE PLAN 1

PROPOSED: WETLAND ENHANCEMENT AND
RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

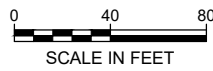
AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 16 OF 24

DATE: 04/12/19

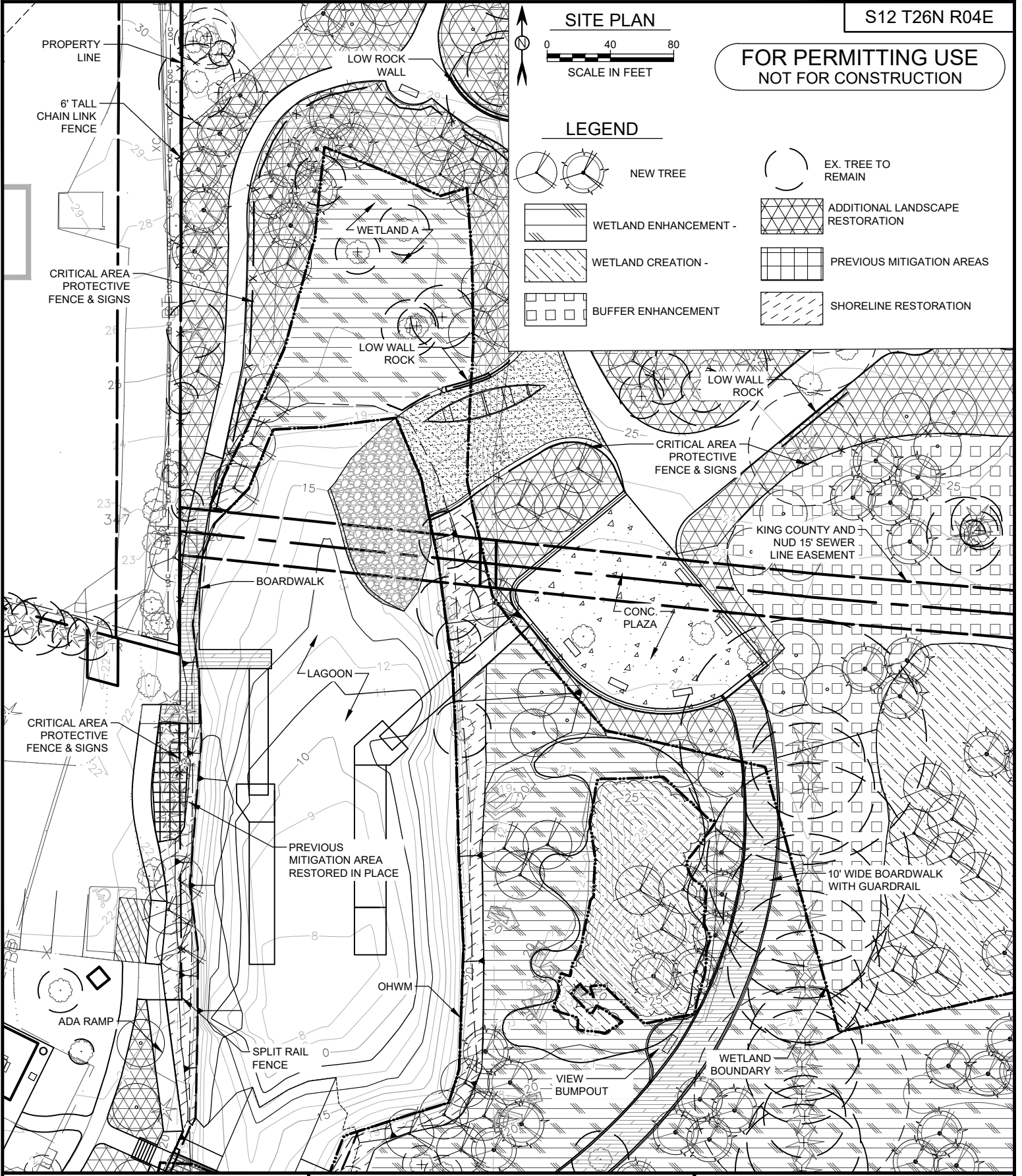
SITE PLAN



FOR PERMITTING USE
NOT FOR CONSTRUCTION

LEGEND

| | | | |
|--|-----------------------|--|----------------------------------|
| | NEW TREE | | EX. TREE TO REMAIN |
| | WETLAND ENHANCEMENT - | | ADDITIONAL LANDSCAPE RESTORATION |
| | WETLAND CREATION - | | PREVIOUS MITIGATION AREAS |
| | BUFFER ENHANCEMENT | | SHORELINE RESTORATION |



PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122804HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 17TH STREET

APPLICATION BY: CITY OF KENMORE

CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS

MITIGATION/PLANTING
ENLARGED SITE PLAN 3

PROPOSED: WETLAND ENHANCEMENT AND
RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

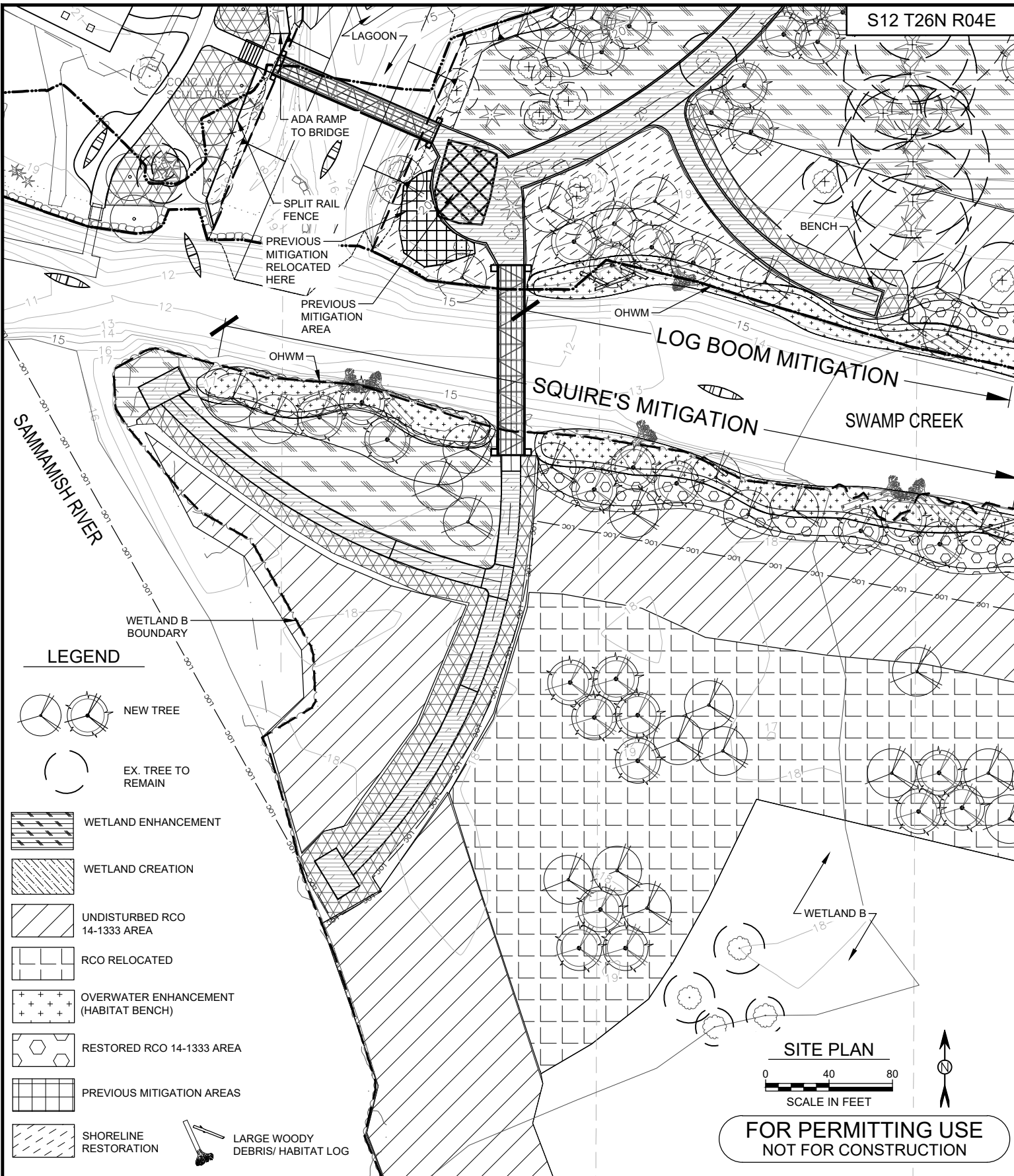
COUNTY: KING

NWS-2020-434












SHEET 18 OF 24

DATE: 04/12/19

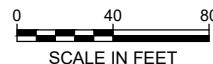
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LEGEND

-  NEW TREE
-  EX. TREE TO REMAIN
-  WETLAND ENHANCEMENT
-  WETLAND CREATION
-  UNDISTURBED RCO
14-1333 AREA
-  RCO RELOCATED
-  OVERWATER ENHANCEMENT
(HABITAT BENCH)
-  RESTORED RCO 14-1333 AREA
-  PREVIOUS MITIGATION AREAS
-  SHORELINE RESTORATION
-  LARGE WOODY DEBRIS/ HABITAT LOG

SITE PLAN



**FOR PERMITTING USE
NOT FOR CONSTRUCTION**

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122804HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 17TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

**MITIGATION/PLANTING
ENLARGED SITE PLAN 4**

PROPOSED: WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

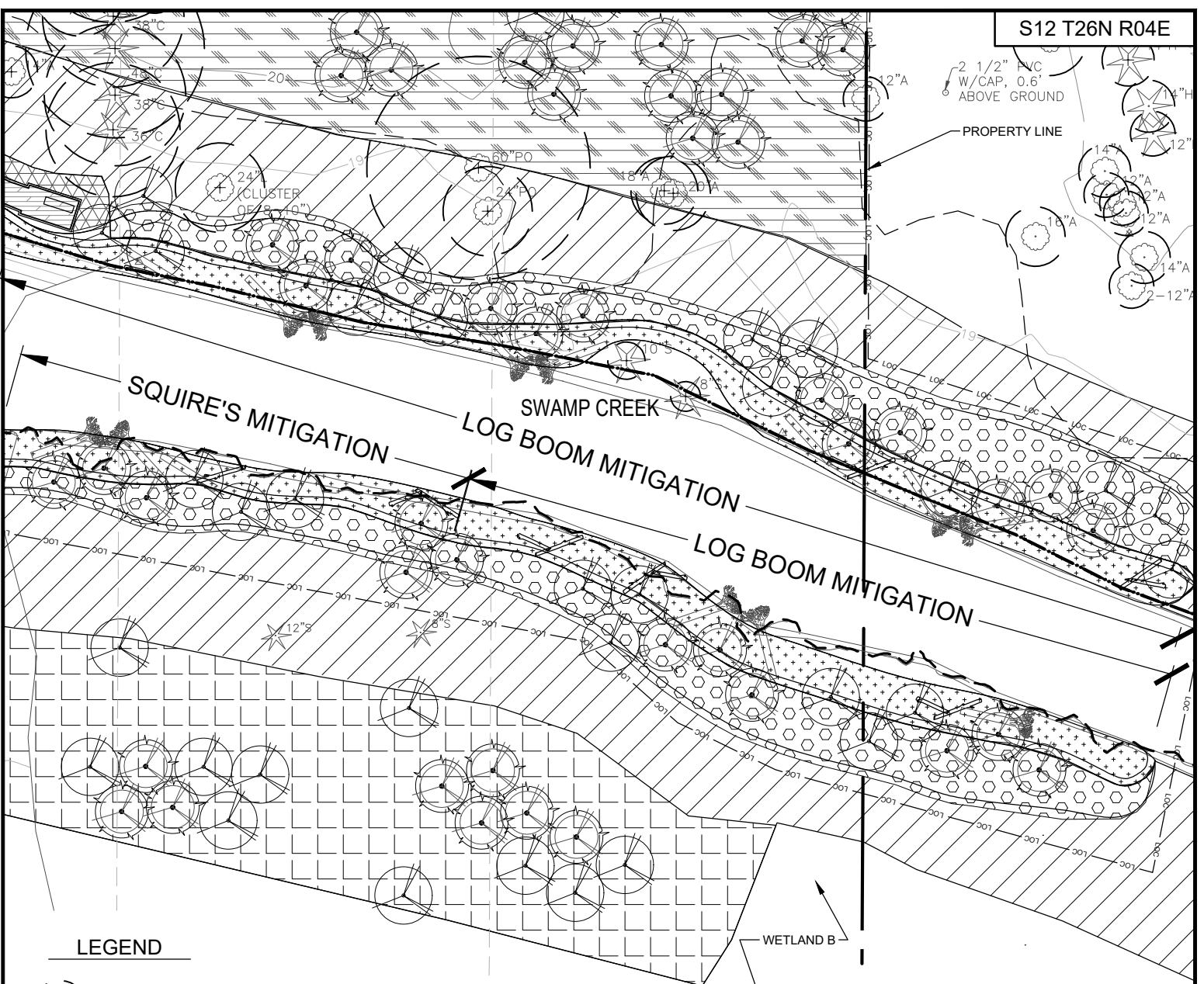
COUNTY: KING

SHEET 19 OF 24

NWS-2020-434

DATE: 04/12/19

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2 1/2" PVC
W/CAP, 0.6'
ABOVE GROUND

PROPERTY LINE

SQUIRE'S MITIGATION








SWAMP CREEK

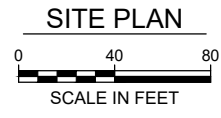
LOG BOOM MITIGATION

LOG BOOM MITIGATION

WETLAND B

LEGEND

-  EX. TREE TO REMAIN
-  WETLAND ENHANCEMENT
-  RCO 14-1333
-  RCO RELOCATED
-  OVERWATER ENHANCEMENT (HABITAT BENCH) - 8,123 SF
-  RESTORED RCO
-  LARGE WOODY DEBRIS/ HABITAT LOG



**FOR PERMITTING USE
NOT FOR CONSTRUCTION**

| WATER LEVELS, FT. (NAVD88) | |
|---------------------------------|-------|
| ORDINARY HIGH WATER (OHW) | 18.6 |
| LAKE WASHINGTON LOW WATER (LWD) | 16.75 |

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122804HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 17TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

**MITIGATION/PLANTING
ENLARGED SITE PLAN 5**

PROPOSED: WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE

COUNTY: KING

NWS-2020-434

SHEET 20 OF 24

DATE: 04/12/19

FILE: pw:/panspwise/himg/ccpw_pans_banbos/Documents/653381-CITY OF KENMORE WATERFRONT IMP/Drawings_Models/12_MA_Maine/7 - Design/CAD/F - Permits/SLP_IARPA - Mitigation Sheets.dwg

| SYMBOL | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | SPACING | QTY |
|----------------------------------------------------------------------------------|--------------------------|-----------------------|--------|-----------|---------------|------|
| WETLAND ENHANCEMENT PLANTS (INCLUDES RCO RELOCATED AREA) | | | | | | |
|  | TREES | | | | | |
| | BETULA OCCIDENTALIS | WATER BIRCH | 2 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | CRATAEGUS DOUGLASII | BLACK HAWTHORN | 1 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | FRAXINUS LATIFOLIA | OREGON ASH | 1 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | MALUS FUSCA | PACIFIC CRAB APPLE | 1 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | PINUS SITCHENSIS | SITKA SPRUCE | 1 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | SALIX LUCIDA | PACIFIC WILLOW | 1" DIA | LIVESTAKE | 12"-24" O.C. | 1000 |
| | SALIX SITCHENSIS | SITKA WILLOW | 1" DIA | LIVESTAKE | 12"-24" O.C. | 1000 |
| | THUJA PLICATA | WESTERN RED CEDAR | 5 GAL. | CONTAINER | 8' - 12' O.C. | 100 |
| | POPULUS BALSAMIFERA | COTTONWOOD | 1 GAL. | CONTAINER | 8' - 12' O.C. | 75 |
| SHRUBS/HERBACEOUS | | | | | | |
| | ATHYRIUM FELIX-FEMINA | LADY FERN | 1 GAL. | CONTAINER | 3' O.C. | 300 |
| | CORNUS SERICEA | RED TWIG DOGWOOD | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | MYRICA GALE | SWEET GALE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 5 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | ROSA NUTKANA | NOOTKA ROSE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| | SPIRAEA DOUGLASII | HARDHACK | 1 GAL. | CONTAINER | 4' - 6' O.C. | 330 |
| BUFFER ENHANCEMENT PLANTS | | | | | | |
|  | TREES | | | | | |
| | ABIES GRANDIS | GRAND FIR | 5 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | ACER CIRCINATUM | VINE MAPLE | 2 GAL. | CONTAINER | 8' - 12' O.C. | 25 |
| | ACER MACROPHYLLUM | BIG LEAF MAPLE | 1 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | BETULA PAPYRIFERA | PAPER BIRCH | 1 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | CORNUS NUTALLII | PACIFIC DOGWOOD | 1 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | PSEUDOTSUGA MENZIESII | DOUGLAS FIR | 2 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | RHAMNUS PURSHIANA | CASCARA | 1 GAL. | CONTAINER | 8' - 12' O.C. | 12 |
| | THUJA PLICATA | WESTERN RED CEDAR | 2 GAL. | CONTAINER | 8' - 12' O.C. | 18 |
| | SHRUBS/HERBACEOUS | | | | | |
| | AMELANCHIER ALNIFOLIA | WESTERN SERVICEBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | HOLODISCUS DISCOLOR | OCEANSPRAY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | MAHONIA AQUIFOLIUM | TALL OREGON-GRAPE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | OEMLERIA CERASIFORMIS | INDIAN PLUM | 5 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | POLYSTICHUM MUNITUM | SWORD FERN | 1 GAL. | CONTAINER | 3' - 4' O.C. | 47 |
| | PHILADELPHUS LEWISII | MOCK ORANGE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 5 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | RIBES SANGUINEUM | RED FLOWERING CURRANT | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | ROSA GYMNOCARPA | BALDHIP ROSE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | ROSA NUTKANA | NOOTKA ROSE | 2 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | SYMPHORICARPUS ALBUS | SNOWBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | VACCINIUM OVATUM | EVERGREEN HUCKLEBERRY | 2 GAL. | CONTAINER | 4' - 6' O.C. | 47 |
| | VIBURNUM EDULE | HIGHBUSH CRANBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 47 |

FOR PERMITTING USE
NOT FOR CONSTRUCTION

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

- SAMMAMISH RIVER APTS LLC
- DENNIS KROEGER
- DNR PARCEL NO. 122604HRDR
- TRAIL WALK CONDOMINIUMS
- NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

**MITIGATION/PLANTING
PLANT SCHEDULE**

PROPOSED: WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 21 **OF** 24 **DATE:** 04/12/19

WETLAND CREATION PLANTS

TREES

| | | | | | |
|---------------------|-------------------|---------|-----------|---------------|----|
| BETULA OCCIDENTALIS | WATER BIRCH | 2 GAL. | CONTAINER | 8' - 12' O.C. | 16 |
| CRATAEGUS DOUGLASII | BLACK HAWTHORN | 1 GAL. | CONTAINER | 8' - 12' O.C. | 16 |
| FRAXINUS LATIFOLIA | OREGON ASH | 2 GAL. | CONTAINER | 8' - 12' O.C. | 16 |
| SALIX LUCIDA | PACIFIC WILLOW | 1" DIA. | LIVESTAKE | 12" O.C. | 16 |
| SALIX SITCHENSIS | SITKA WILLOW | 1" DIA. | LIVESTAKE | 12" O.C. | 16 |
| THUJA PLICATA | WESTERN RED CEDAR | 1 GAL. | CONTAINER | 8' - 12' O.C. | 16 |

SHRUBS/HERBACEOUS

| | | | | | |
|-----------------------|--------------------|--------|-----------|--------------|----|
| ATHYRIUM FELIX-FEMINA | LADY FERN | 1 GAL. | CONTAINER | 3' O.C. | 63 |
| CORNUS SERICEA | RED TWIG DOGWOOD | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| MYRICA CALIFORNICA | PACIFIC WAX MYRTLE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| MYRICA GALE | SWEET GALE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 5 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| ROSA NUTKANA | NOOTKA ROSE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |
| SPIRAEA DOUGLASII | HARDHACK | 1 GAL. | CONTAINER | 4' - 6' O.C. | 63 |

OVER WATER HABITAT ENHANCEMENT PLANTS (HABITAT BENCH & RCO RESTORED ON MOUND)

TREES

| | | | | | |
|-----------------------------|-------------------|---------|-----------|---------------|------|
| FRAXINUS LATIFOLIA | OREGON ASH | 1 GAL. | CONTAINER | 8' - 12' O.C. | 56 |
| PICEA SITCHENSIS | SITKA SPRUCE | 2 GAL. | CONTAINER | 8' - 12' O.C. | 45 |
| SALIX LUCIDA SSP. LASIANDRA | PACIFIC WILLOW | 1" DIA. | LIVESTAKE | 12" O.C. | 3200 |
| SALIX SITCHENSIS | SITKA WILLOW | 1" DIA. | LIVESTAKE | 12" O.C. | 3200 |
| THUJA PLICATA | WESTERN RED CEDAR | 2 GAL. | CONTAINER | 8' - 12' O.C. | 55 |

SHRUBS

| | | | | | |
|-----------------------|------------------|--------|-----------|--------------|-----|
| CORNUS SERICEA | RED TWIG DOGWOOD | 1 GAL. | CONTAINER | 4' - 6' O.C. | 130 |
| MYRICA GALE | SWEET GALE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 130 |
| PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 1 GAL. | CONTAINER | 3' - 4' O.C. | 130 |
| ROSA NUTKANA | NOOTKA ROSE | 1 GAL. | CONTAINER | 3' - 4' O.C. | 130 |
| RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 3' - 4' O.C. | 130 |
| SALIX SCOULERIANA | SCOULER'S WILLOW | 1 GAL. | CONTAINER | 3' - 4' O.C. | 130 |
| SPIRAEA DOUGLASII | HARDHACK | 1 GAL. | CONTAINER | 4' - 6' O.C. | 130 |

**FOR PERMITTING USE
NOT FOR CONSTRUCTION**

| WATER LEVELS, FT. (NAVD88) | |
|---------------------------------|-------|
| ORDINARY HIGH WATER (OHW) | 18.6 |
| LAKE WASHINGTON LOW WATER (LWD) | 16.75 |

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122604HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

**MITIGATION/PLANTING
PLANT SCHEDULE**

PROPOSED: WETLAND ENHANCEMENT AND
RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 22 **OF** 24

DATE: 04/12/19

| SYMBOL | BOTANICAL NAME | COMMON NAME | SIZE | CONDITION | SPACING | QTY |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|-----------|--------------|---------------|-----|
|  | ADDITIONAL LANDSCAPE RESTORATION PLANTS (WETLAND ENHANCEMENT AREA) | | | | | |
| | TREES | | | | | |
| | BETULA OCCIDENTALIS | WATER BIRCH | 2 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | CRATAEGUS DOUGLASII | BLACK HAWTHORN | 1 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | FRAXINUS LATIFOLIA | OREGON ASH | 1 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | SALIX LUCIDA | PACIFIC WILLOW | 1" DIA | LIVESTAKE | 12"-24" O.C. | 15 |
| | SALIX SITCHENSIS | SITKA WILLOW | 1" DIA | LIVESTAKE | 12"-24" O.C. | 15 |
| | THUJA PLICATA | WESTERN RED CEDAR | 5 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | POPULUS BALSAMIFERA | COTTONWOOD | 1 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | SHRUBS/HERBACEOUS | | | | | |
| | ATHYRIUM FELIX-FEMINA | LADY FERN | 1 GAL. | CONTAINER | 3' O.C. | 45 |
| | CORNUS SERICEA | RED TWIG DOGWOOD | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | MYRICA GALE | SWEET GALE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | ROSA NUTKANA | NOOTKA ROSE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | SPIRAEA DOUGLASII | HARDHACK | 1 GAL. | CONTAINER | 4' - 6' O.C. | 45 |
| | ADDITIONAL LANDSCAPE RESTORATION PLANTS (BUFFER ENHANCEMENT AREAS AND FRONTAGE IMPROVEMENTS) | | | | | |
| | TREES | | | | | |
| | ABIES GRANDIS | GRAND FIR | 5 GAL. | CONTAINER | 8' - 12' O.C. | 23 |
| | ACER CIRCINATUM | VINE MAPLE | 2 GAL. | CONTAINER | 8' - 12' O.C. | 35 |
| | ACER MACROPHYLLUM | BIG LEAF MAPLE | 1 GAL. | CONTAINER | 8' - 12' O.C. | 15 |
| | BETULA POPYRIFERA | PAPER BIRCH | 1 GAL. | CONTAINER | 8' - 12' O.C. | 25 |
| | CORNUS NUTALLII | PACIFIC DOGWOOD | 1 GAL. | CONTAINER | 8' - 12' O.C. | 25 |
| | PSEUDOTSUGA MENZIESII | DOUGLAS FIR | 2 GAL. | CONTAINER | 8' - 12' O.C. | 17 |
| | RHAMNUS PURSHIANA | CASCARA | 1 GAL. | CONTAINER | 8' - 12' O.C. | 10 |
| | THUJA PLICATA | WESTERN RED CEDAR | 2 GAL. | CONTAINER | 8' - 12' O.C. | 21 |
| | SHRUBS/HERBACEOUS | | | | | |
| | AMELANCHIER ALNIFOLIA | WESTERN SERVICEBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| | HOLODISCUS DISCOLOR | OCEANSPRAY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| | LONICERA INVOLUCRATA | BLACK TWINBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| | MAHONIA AQUIFOLIUM | TALL OREGON-GRAPE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| | OEMLERIA CERASIFORMIS | INDIAN PLUM | 5 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| | POLYSTICHUM MUNITUM | SWORD FERN | 1 GAL. | CONTAINER | 3' - 4' O.C. | 350 |
| | PHILADELPHUS LEWISII | MOCK ORANGE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 |
| PHYSOCARPUS CAPITATUS | PACIFIC NINEBARK | 5 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| RIBES SANGUINEUM | RED FLOWERING CURRANT | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| ROSA GYMNOCARPA | BALDHIP ROSE | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| ROSA NUTKANA | NOOTKA ROSE | 2 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| RUBUS SPECTABILIS | SALMONBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| SYMPHORICARPUS ALBUS | SNOWBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |
| VACCINIUM OVATUM | EVERGREEN HUCKLEBERRY | 2 GAL. | CONTAINER | 4' - 6' O.C. | 275 | |
| VIBURNUM EDULE | HIGHBUSH CRANBERRY | 1 GAL. | CONTAINER | 4' - 6' O.C. | 220 | |

FOR PERMITTING USE
NOT FOR CONSTRUCTION

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

1. SAMMAMISH RIVER APTS LLC
2. DENNIS KROEGER
3. DNR PARCEL NO. 122604HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

**MITIGATION/PLANTING
PLANT SCHEDULE**

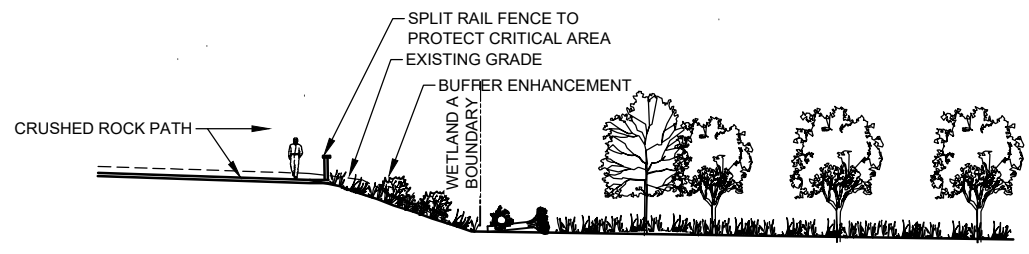
PROPOSED: WETLAND ENHANCEMENT AND
RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

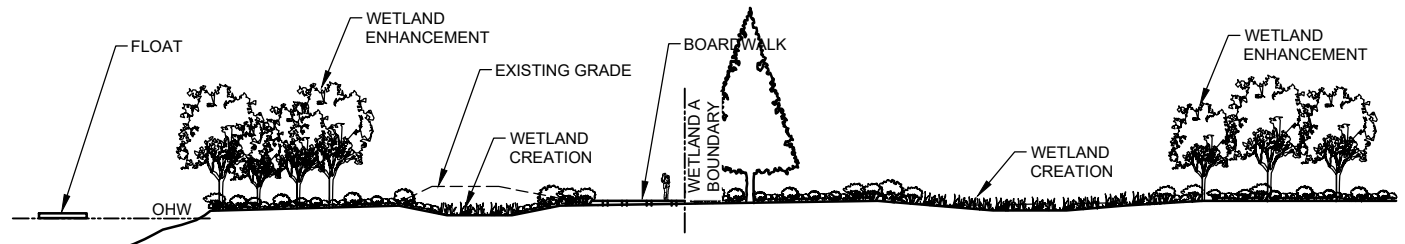
AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

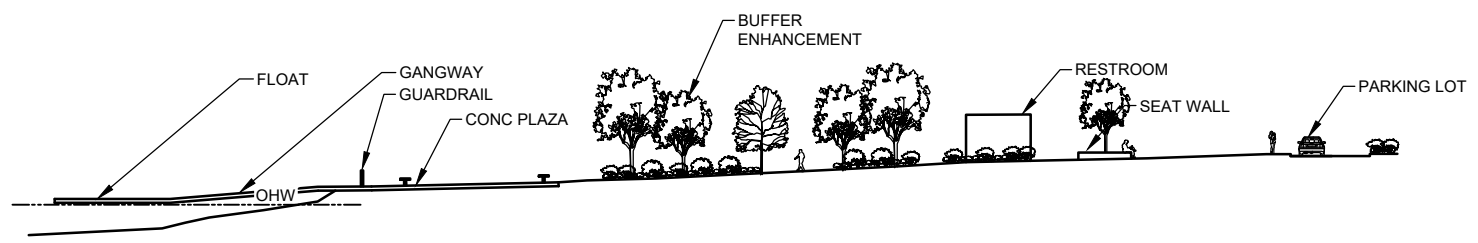
SHEET 23 **OF** 24 **DATE:** 04/12/19



A
SECTION
ACROSS LAGOON
1" = 30'



B
SECTION
LAGOON TO WETLANDS
1" = 40'



C
SECTION
LAGOON TO PARKING LOT
N.T.S.

PURPOSE: WATERFRONT PARK IMPROVEMENTS

VERTICAL DATUM: NAVD88

ADJACENT PROPERTY OWNERS:

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2. DENNIS KROEGER
3. DNR PARCEL NO. 122604HRDR
4. TRAIL WALK CONDOMINIUMS
5. NE 175TH STREET

APPLICATION BY: CITY OF KENMORE

**CITY OF KENMORE
SQUIRE'S LANDING PARK
IMPROVEMENTS**

SITE SECTIONS

PROPOSED: WETLAND ENHANCEMENT AND RIPARIAN HABITAT IMPROVEMENT

NEAR: SAMMAMISH RIVER

AT: CITY OF KENMORE NWS-2020-434

COUNTY: KING

SHEET 24 OF 24 **DATE:** 04/12/19

FILE: pw://pms/pwise/hmg/cc/pw_boris_harbors/Documents/553381-CITY OF KENMORE WATERFRONT IMP/Drawings_Models/12_MA_Marine7 - Design/CADIF - Permits/SLP-JARPA - Mitigation Sheets.dwg