DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No.	12-118225-WG
Project Name/Address:	Newcastle Beach Park Trail improvements/ 4400 Lake Washington Blvd
Planner:	Heidi M. Bedwell
Phone Number:	425-452-4862
Minimum Comment Period:	**September 17, 2012**

Materials included in this Notice:

- ☒ Blue Bulletin
- ☒ Checklist
- ☒ Vicinity Map
- ☐ Plans
- ☐ Other:

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable:

Beach Park Boardwalk

2. Name of applicant:

City of Bellevue
Department of Parks & Community Services

3. Address and phone number of applicant and contact person:

Kevin Huseman, Project Manager
16023 NE 8th Street, Bellevue, WA 98008
PO Box 90012, Bellevue, WA 98009-9012
Office: 425.452.4154

John Barker, Principal Landscape Architect
Barker Landscape Architects, P.S.
1514 NW 52nd Street, Seattle, WA 9810
t: 206-783-2870
f: 206-783-3212
e: john@barkerla.com

Received
JUL 24 2012
Permit Processing

4. Date checklist prepared: July 11, 2012
5. Agency requesting checklist: **City of Bellevue**
6. Proposed timing or schedule (including phasing, if applicable):

The preferred construction schedule for this project is for work to be complete in the fall of 2012. However, all construction will adhere to timing restrictions set by permits and approvals.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No, this project is a maintenance effort for an existing trail located within Newcastle Beach Park in Bellevue, WA. There are no future additions, expansions or future activity connected to this proposal.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

JARPA
Prepared by Barker Landscape Architects
July 2012

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No.

10. List any government approvals or permits that will be needed for your proposal, if known.

Army Corps of Engineers
WDFW Hydraulic Project Approval
City of Bellevue
- **Shoreline Substantial Development Permit, Building Permit**
- **Clearing and Grading Permit.**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

Newcastle Beach Park Nature Loop is a ¾ of a mile trail that winds through a forested area along Lake Washington's eastern shoreline. Owned and maintained by the City of Bellevue's Parks and Community Services Department, the trail is located within Newcastle Beach Park, which is commonly used for picnicking, swimming and dog walking. Trail users include walkers and light hikers, occasional runners and dog-walkers.

The park is adjacent to Lake Washington, and bounded to the north and south by a residential neighborhoods. A railroad corridor runs along the eastern border of the site, and is parallel to the I-405 alignment immediately to the east.

This project proposes construction of 86 lf of boardwalk, including ramps, over and within the footprint of the existing trail. This project serves as a maintenance upgrade to make the trail more passable during winter. The project also proposes the installation of coir logs secured with wood stakes and planted with live stakes, along the shoreline, to stabilize an area

impacted by erosion. Included with this trail maintenance effort is the clearing of invasive vegetation and restoration with native plantings.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Newcastle Beach Park is located at 4400 Lake Washington Blvd SE, Bellevue, WA 98106, southeast of the I-90 intersection with 1-405. The loop trail is located in the southern section of the park, and the trail head is accessible from the bus turn-around area adjacent to the parking lot.

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other . . . . . .

b. What is the steepest slope on the site (approximate percent slope)?

The steepest section of the site is the edge of the shoreline, which drops down to the observed winter water level at about 40%. However, due to fluxuating water levels in Lake Washington, this slope is only seasonally exposed. The remainder of the site relatively, with the trail sloping down to a slight belly in the center at about 1.5%.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Specific soil classifications on-site have not been determined. Saturated soils and seasonal standing water are present in the wet area east of the trail.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No unstable soils have been identified at the site. Erosion is evident along the shoreline due to wave action.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Approximately 5.39 CY of clean, locally sourced spawning gravel fill will be used behind 240 lf of coir log, where the existing shoreline has eroded away. This fill will help stabilize the shoreline, and provide a base for the coir logs, which will be planted with live stakes.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Erosion could occur as a result on temporary construction activities, such as clearing of areas overrun with invasive plants.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No new impervious surfaces are proposed for this project.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

This project has been designed to prevent alleviate erosion hazards along the shoreline and protect the site from foot traffic. The boardwalk will not only protect the existing trail, but will also discourage users from creating side paths. Soils in areas where invasive plants are removed will be covered, and these areas replanted as soon as the invasive plants have been eradicated. TESC measures will be in place during construction, to control against siltation of surrounding waters.

a. **Air**

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Temporary construction dust, emissions from small construction equipment

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Vehicle emissions from nearby roadway and exhaust from boats and other motorized

watercraft, however these will not affect the proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Construction practices to reduce and contain dust will be used.

3. **Water**

a. Surface:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes - Lake Washington and a small stream that flows through the northern section of Newcastle Beach Park.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Construction of 86 LF boardwalk will be within 200 feet of the Lake Washington shoreline. Construction of 240 lf of coir log will be installed along the Lake Washington shoreline, a section of which will be below Ordinary High Water.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

The wetland area will not be filled or dredged as a part of this project. Very limited excavation within the existing trailhead will be required to tied the new boardwalk into the existing grades. The total amount is expected to be under 1 CY.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

b. Ground:

1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.

No.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

Not Applicable.

c. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Surface runoff from existing open space will remain largely unchanged, as the boardwalk construction will be within the footprint of the existing trail. New restoration plantings may improve the quality of surface runoff to the lake in areas previously overrun with invasives.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No. The project will not generate waste materials. Surface water will continue to infiltrate in-place over most of the site.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

None.

4. **Plants**

a. Check or circle types of vegetation found on the site:

X deciduous tree: **alder**, maple, aspen, **other** (**Cottonwood, Willow**)

____ evergreen tree: fir, cedar, pine, other

X **shrubs** (**Salmonberry, Snowberry, Indian Plum, Himalayan Blackberry and Japanese Knotweed**.)

____ grass

____ pasture

____ crop or grain

X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, **other** (**Horsetail**)

____ water plants: water lily, eelgrass, milfoil, other

____ other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

4,000 SF of invasive Himalayan blackberry, English Ivy and Japanese Knotweed will be removed from the site.

c. List threatened or endangered species known to be on or near the site.

None are known

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Native plants will be used for all restoration plantings. The coir logs placed along the shoreline will be planted with live stakes, to create a more gradual shoreline edge, and encourage vegetation growth along the shoreline.

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, **eagle**, songbirds, other:

mammals: deer, bear, elk, **beaver**, other:
fish: bass, **salmon**, **trout**, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

The shores of Lake Washington are known to be a significant rearing habitat for juvenile Chinook salmon. Bull trout and steelhead are also present in the Lake Washington system.

c. Is the site part of a migration route? If so, explain.

A number of salmonid species migrate though Lake Washington and may use shoreline areas.

d. Proposed measures to preserve or enhance wildlife, if any:

The purpose of this project is to maintain the existing trail while protecting areas adjacent to the trail from unplanned foot-traffic. In addition, coir log and live stake installation along the shoreline have been designed to prevent erosion and create a softer shoreline profile. Removal of invasive plants and restoration with native species will further protect against erosion hazards, and increase biodiversity, thus enhancing ecological conditions.

Any in-water construction will be timed to avoid sensitive periods for salmonids in Lake Washington based on permits and authorizations received for the project.

6. **Energy and natural resources**

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

A generator will be used on-site during construction to operate small power tools. No on-going energy uses are included with this project.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Sustainable environmental design goals will be employed for all new construction.

7. **Environmental health**

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

There are no environmental health hazards associated with this trail construction and shoreline restoration action.

1) Describe special emergency services that might be required.

Standard needs of a community open space (fire, police, emergency medical facilities)

2) Proposed measures to reduce or control environmental health hazards, if any:

CPTED (Crime prevention through environmental design) principles will be employed in design to reduce safety and problems.

b. **Noise**

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

Most noise on-site is generated by motorized watercraft on Lake Washington, or by park users.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Some minimal, temporary noise will be generated during construction. This will occur during approved work hours. Once installed, the space will generate minimal noise (eg. voices in conversation or at play.) Noise levels are expected to be in-keeping with current levels at the site.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

There is a rail corridor that runs along the eastern boundary of the site. The project will not impact this corridor.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No anticipated changes.

g. Proposed measures to reduce or control transportation impacts, if any:

None.

15. **Public services**

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

Not applicable.

16. **Utilities**

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

No known utilities are in the area.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Not applicable.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

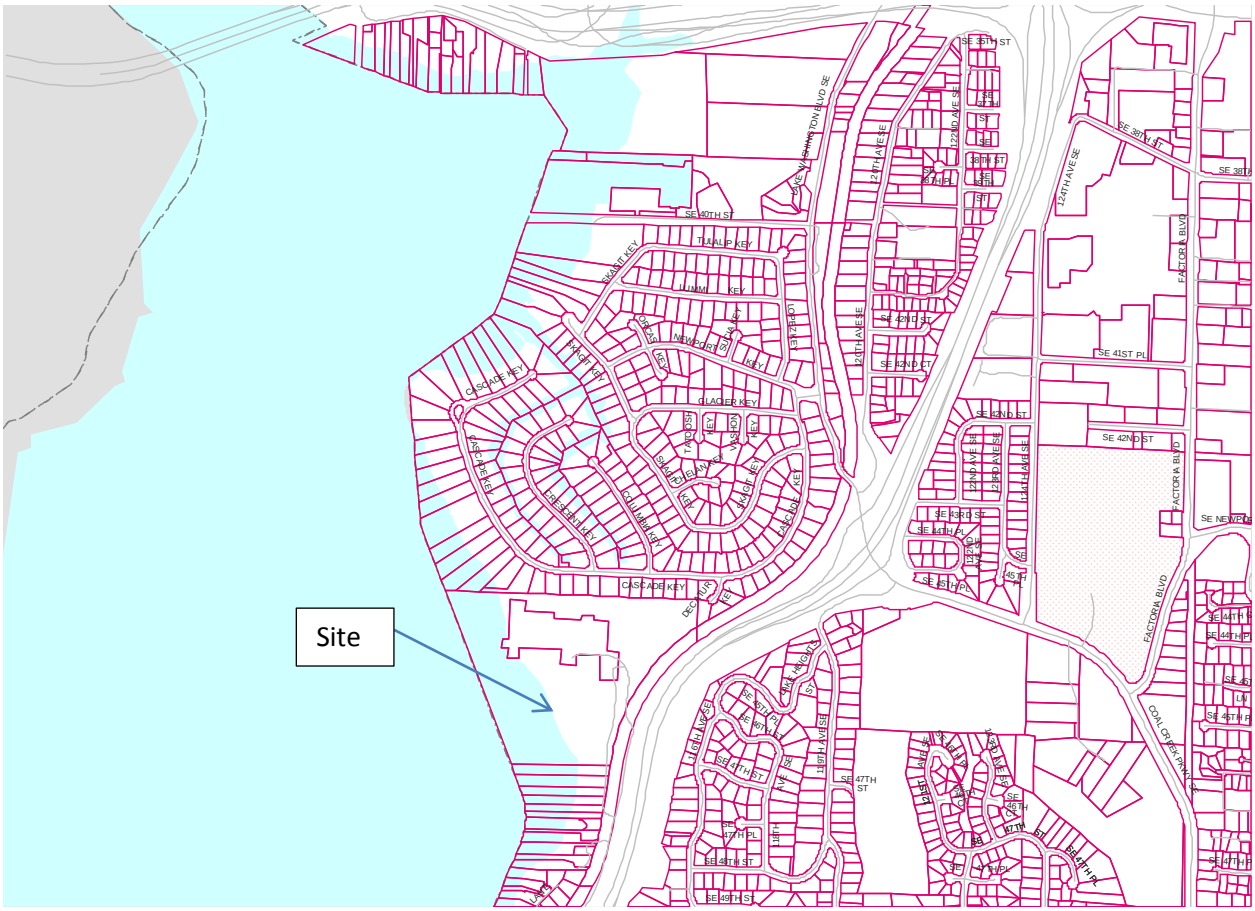
Signature: .....

Date Submitted: 7/11/12 .....

Vicinity Map

Newcastle Beach Park Trail Improvement

4400 Lake Washington Blvd SE



Beach Park Boardwalk and Restoration

EXISTING CONDITIONS

PROPOSED BOARDWALK

VICINITY MAP
NTS

GENERAL NOTES:

1. All construction must be in accordance with the City of Bellevue's Development Standards; the City of Bellevue's Engineering and Utility Standards; the Bellevue City Code; the Uniform Building Codes; permit conditions; and all other applicable codes, ordinances, standards and policies. Applicable installation details are incorporated by reference to Bellevue's Engineering and Utilities published Standards. All applicable erosion control measures must be taken.
2. A copy of the approved plans must be on-site whenever construction is in progress.
3. The Contractor is responsible for obtaining any mechanical, electrical or other required permits prior to beginning construction.
4. All locations of existing utilities have been established by field survey or obtained from available records and should, therefore, be considered approximate only and not necessarily complete. It is the sole responsibility of the contractor (1) to independently verify the accuracy of all utility locations and (2) to discover and avoid any other utilities not shown which may be affected by the implementation of this plan.
5. Site shall be restored to better or equal condition in any areas affected by this work.
6. Scheduling: All work shall be coordinated with Owner to achieve minimal disturbance to roadway operation.
7. Contractor shall have proven experience in similar projects and be thoroughly familiar with City of Bellevue applicable standards and codes prior to commencement of work.
8. This layout is diagrammatic. Contractor shall coordinate exact location of points of connection to existing systems with Owner prior to beginning any work.
9. Prior to commencing work, the Contractor, the City's Inspectors and the Owner's Representatives shall meet on the site to review existing site conditions. Logistical items will be determined at the pre-construction meeting and subsequent construction meetings, including the specific locations and methods to be used for staging, trail closure locations and timing and fencing materials. The Contractor is to coordinate with Owner's representative on all construction logistical items not explicitly described in the drawings and specifications.

City of Bellevue, Washington

PROJECT DESCRIPTION:

Contracted work includes site preparation, environmental protection, minor earthwork, 1 segment of wooden pin pile boardwalk, restoration planting, trail construction and abandoment, and site restoration. Project is to be implemented under Critical Areas Land Use Permit #__-_____-LO. For technical questions, call Barker Landscape Architects, (Nic/Katy) 206-783-2870.

CONTACTS:

Client:
Bellevue Parks and CommunityServices
Kevin Huseman, Project Manager
16023 NE 8th Street, PO Box 90012
Bellevue, WA 98009
T. 425.452.4154

Landscape Architect:
Barker Landscape Architects
Contact: Nic Morin / Katy Saunders
1514 NW 52nd Street.
Seattle, WA 98107
T. - 206-783-2870
F. - 206-783-8312
E. - nicolas@barkerla.com / katy@barkerla.com

LEGAL DESCRIPTION:

PORTION OF THE NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON.

DRAWING INDEX:

1 COVER
2 EXISTING CONDITIONS
3 DEMO PLAN
4 LAYOUT PLAN
5 PLANTING / RESTORATION PLAN
6 BOARDWALK DETAILS
7 SITE DETAILS

NOT FOR CONSTRUCTION
STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
JOHN FORREST BARKER CERTIFICATE NO. 486

NO.	DATE	BY	APPR.	REVISIONS
1	5/4/12	KS	JB	60% Review Set
2	7/23/12	KS	JB	Permit Set

BARKER
LANDSCAPE ARCHITECTS, P.S.
1514 NW 52ND STREET, SEATTLE, WASHINGTON 98107
PH (206) 783-2870 FX (206) 783-8312

Approved By

Department of Parks & Community Services - Natural Resource Division
Kevin Huseman, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452.2740

City of Bellevue

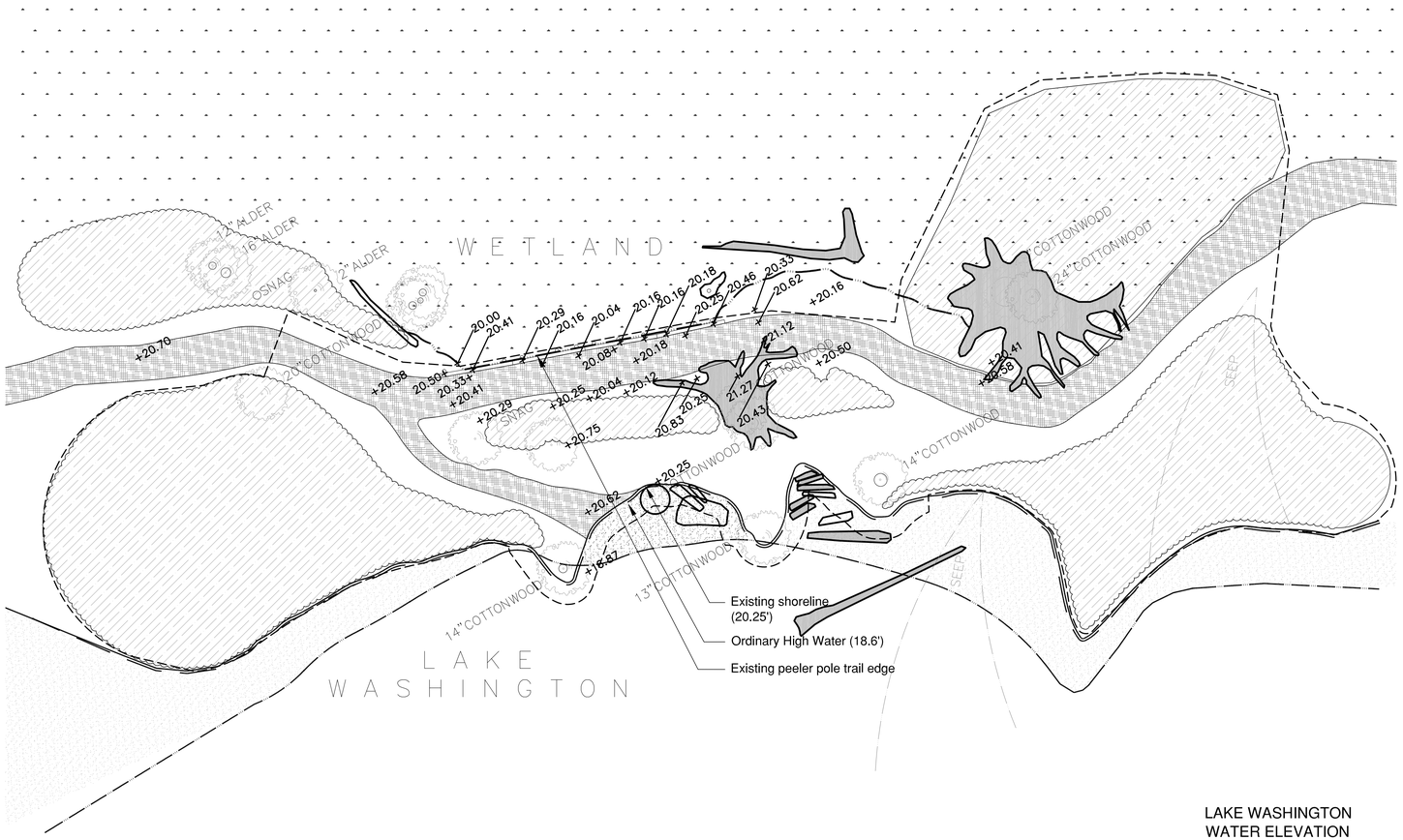
NM/ JB	7/23/12
DESIGNED BY	DATE
ES/KS	7/23/12
DRAWN BY	DATE
NM/JB	7/23/12
CHECKED BY	DATE

City of Bellevue
Beach Park Boardwalk & Shoreline Restoration

Cover Sheet

1

1 OF 7 SHEETS



LAKE WASHINGTON
WATER ELEVATION
= 16.87 (2/23/2012)

NOTES:

1. Information depicted in this existing conditions map is not exact, and does not constitute a survey by a licensed surveyor. It is meant to convey general site conditions. The contractor shall be responsible for verifying existing conditions on site and making field adjustments as necessary to fit actual site conditions.

EXISTING CONDITIONS

0 10 20
Scale: 1" = 10'
(At 22" x 34" sheet)

LEGEND

- +20.16 — SPOT ELEVATIONS
- SURFACE ROOT EXTENTS
- PEELER POLE RETAINING WALL
- 12" ALDER — EXISTING TREE
- WOOD CHIP TRAIL
- WETLAND
- WETLAND WATER LEVEL
- LAKE WASHINGTON
- SAND @ LAKE SHORE
- NATIVE UNDERSTORY WITH SOME INVASIVES - BLACKBERRY, IVY)
- LOW SHORE BLUFF (4' OR LESS)
- LIMIT OF WORK
- ORDINARY HIGH WATER

NOT FOR CONSTRUCTION
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FORREST BARKER
CERTIFICATE NO. 486

NO.	DATE	BY	APPR.	REVISIONS
1	5/4/12	KS	JB	60% Review Set
2	7/23/12	KS	JB	Permit Set

BARKER
LANDSCAPE ARCHITECTS, P. S.
1514 NW 52ND STREET, SEATTLE, WASHINGTON 98107
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

Kevin Husemann, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452.2740

City of Bellevue

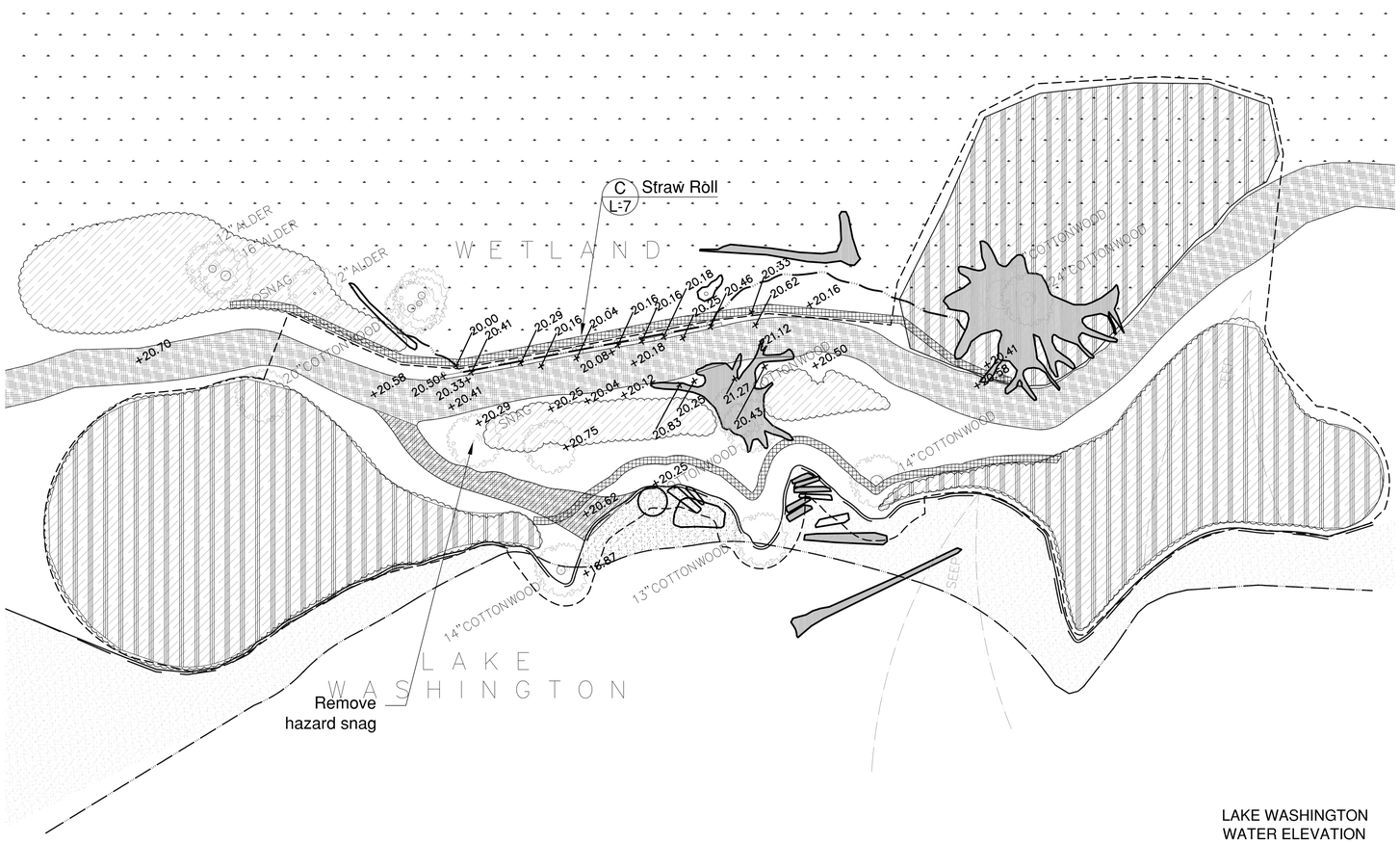
NM/ JB	7/23/12
DESIGNED BY	DATE
ES/KS	7/23/12
DRAWN BY	DATE
NM/JB	7/23/12
CHECKED BY	DATE

City of Bellevue
Beach Park Boardwalk & Shoreline Restoration

Existing Conditions

2

2 OF 7 SHEETS



LAKE WASHINGTON
WATER ELEVATION
= 16.87 (2/23/2012)

DEMO PLAN

0 10 20

Scale: 1" = 10'
(At 22" x 34" sheet)

LEGEND

+20.16 SPOT ELEVATIONS	WOOD CHIP TRAIL	SAND @ LAKE SHORE	INVASIVE REMOVAL
SURFACE ROOT EXTENTS	WETLAND	NATIVE UNDERSTORY WITH INVASIVES - BLACKBERRY, KNOTWEED, IVY)	TRAIL AREA REMOVED
PEELER POLE RETAINING WALL	WETLAND WATER LEVEL	LOW SHORE BLUFF (4' OR LESS)	STRAW ROLL
12" ALDER EXISTING TREE	LAKE WASHINGTON	LIMIT OF WORK	
		ORDINARY HIGH WATER	

NOTES:

1. Information depicted in this existing conditions map is not exact, and does not constitute a survey by a licensed surveyor. It is meant to convey general site conditions. The contractor shall be responsible for verifying existing conditions on site and making field adjustments as necessary to fit actual site conditions.
2. All clearing & grading construction must be in accordance with City of Bellevue (COB) Clearing & Grading Code; Clearing & Grading Erosion Control Standard Details (EC-1 through EC-23); Development Standards; Land Use Code; Uniform Building Code; permit conditions; and all other applicable codes, ordinances, and standards. The design elements within these plans have been reviewed according to these requirements. Any variance from adopted erosion control standards is not allowed unless specifically approved by the City of Bellevue Department of Planning & Community Development (PCD) prior to construction.
3. A copy of the approved plans must be on-site during construction. The applicant is responsible for obtaining any other required or related permits prior to beginning construction.
4. All locations of existing utilities have been established by field survey or obtained from available records and should, therefore, be considered only approximate and not necessarily complete. It is the sole responsibility of the contractor to independently verify the accuracy of all utility locations and to discover and avoid any other utilities not shown which may be affected by the implementation of this plan.
5. The area to be cleared and graded must flagged by the contractor and approved by the clearing & grading inspector prior to beginning any work on the site.
6. A reinforced silt fence or straw roll must be installed in accordance with COB EC-5 and located as shown on the approved plans or per the clearing & grading inspector, along slope contours and down slope from the building site.
7. Clearing will be limited to the areas within the approved disturbance limits. Exposed soils must be covered at the end of each working day when working from October 1st through April 30th. From May 1st through September 30th, exposed soils must be covered at the end of each construction week and also at the threat of rain.
8. Any excavated material removed from the construction site and deposited on property within the City limits must be done in compliance with a valid clearing & grading permit. Locations for the mobilization area and stockpiled material must be approved by the clearing & grading inspector at least 24 hours in advance of any stockpiling.
9. To reduce the potential for erosion of exposed soils, or when rainy season construction is permitted, the following Best Management Practices (BMPs) are required: Preserve natural vegetation for as long as possible or as required by the clearing & grading inspector. Protect exposed soil using plastic (EC-14), erosion control blankets, straw or mulch (COB Guide to Mulch Materials, Rates, and Use Chart), or as directed by the clearing & grading inspector. Install catch basin inserts as required by the clearing & grading inspector or permit conditions of approval. Install a temporary sediment pond, a series of sedimentation tanks, temporary filter vaults, or other sediment control facilities. Installation of exposed aggregate surfaces requires a separate effluent collection pond on-site.
10. Final site grading must direct drainage away from all building structures at a minimum 2% slope, per the Uniform Building Code.
11. The contractor must maintain a sweeper on-site during earthwork and immediately remove soil that has been tracked onto paved areas as result of construction.
12. A public information sign listing 24-hour emergency phone numbers for the city and the contractor may be provided to the applicant at the time the clearing & grading permit is issued. The applicant must post the sign at the project site in full view of the public and the contractors, and it must remain posted until final sign-off by the clearing & grading inspector.
13. Turbidity monitoring may be required as a condition of clearing & grading permit approval. If required, turbidity monitoring must be performed in accordance with the approved turbidity monitoring plan and as directed by the clearing & grading inspector. Monitoring must continue during site (earthwork) construction until the final sign-off by the clearing & grading inspector.
14. Any project that is subject to Rainy Season Restrictions will not be allowed to perform clearing & grading activities without written approval from the PCD director. The rainy season extends from November 1st throug April 30th, as defined in section 23.76.093A of the Clearing & Grading Code.
15. Limit negative impacts such as soil compaction, erosion, and sedimentation as required in the Western Washington Stormwater Manual.
16. The Washington State Department of Natural Resources requires all cleared trees measuring 6" D.B.H. or larger to be retained on site.

TRAIL REMOVAL NOTES:

1. Assume existing foot paths shown to be obliterated are an average of 2' in width.
2. Existing Trail Obliteration: Scarify trail soil to a 4" depth before placing forest duff, cut soil, and plants. Do not scarify where tree roots greater than 1/2" diameter occur. Scarify only where new plantings are proposed. The Contractor shall employ hand tools (forks, hoe-dads, and pulaski) to scarify soil. Scarification shall begin at the point where the user foot path departs the edge of the proposed trail shoulder.
3. Install all plants at the same depth they were dug.

NOT FOR CONSTRUCTION
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FOREST BARKER
CERTIFICATE NO. 486

NO.	DATE	BY	APPR.	REVISIONS
1	5/4/12	KS	JB	60% Review Set
2	7/23/12	KS	JB	Permit Set

BARKER
LANDSCAPE ARCHITECTS, P. S.
1514 NW 52ND STREET, SEATTLE, WASHINGTON 98107
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

Kevin Husemann, Project Manager
450 110 th Ave, NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452.2740

City of Bellevue

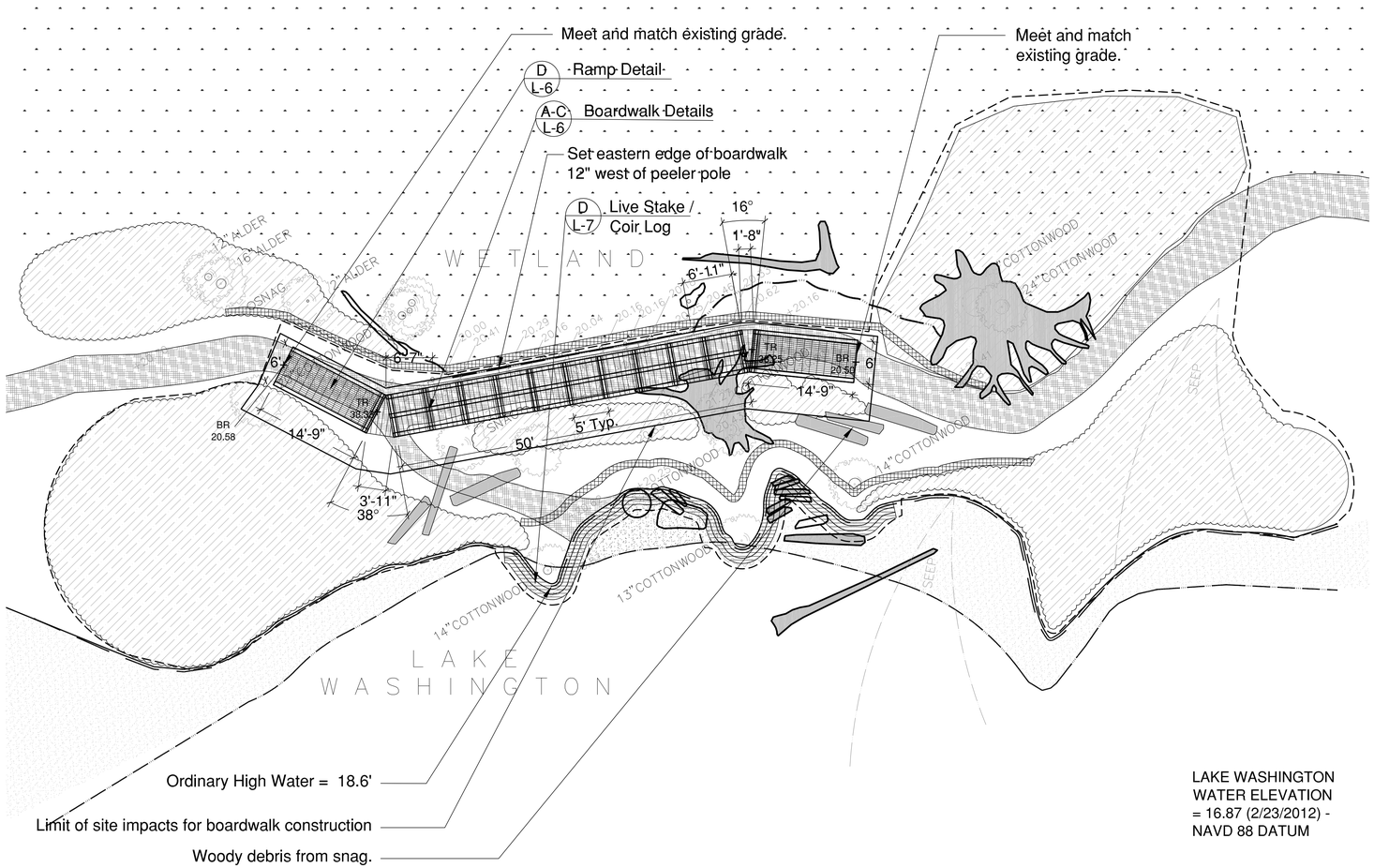
NM/ JB	7/23/12
DESIGNED BY	DATE
ES/KS	7/23/12
DRAWN BY	DATE
NM/JB	7/23/12
CHECKED BY	DATE

City of Bellevue
Beach Park Boardwalk & Shoreline Restoration

TESC/Demo Plan

3

3 OF 7 SHEETS



LAKE WASHINGTON WATER ELEVATION = 16.87 (2/23/2012) - NAVD 88 DATUM

NOTES:

1. Information depicted in this existing conditions map is not exact, and does not constitute a survey by a licensed surveyor. It is meant to convey general site conditions. The contractor shall be responsible for verifying existing conditions on site and making field adjustments as necessary to fit actual site conditions.
2. An equipment staging area will be located off-site, near the trailhead adjascent to the bus turnaround. All equipment and treated materials must be contained and stored safely, so as to minimize risk of spills, etc.
3. Existing trees along the trail to be preserved.
4. Boardwalk to be construction within the footprint of the existing pathway. No net increase in impervious surface as a result of project.

LAYOUT PLAN

0 10 20

Scale: 1" = 10'
(At 22" x 34" sheet)

LEGEND

+20.16 SPOT ELEVATIONS	EXISTING WOOD CHIP TRAIL	NATIVE UNDERSTORY WITH SOME INVASIVES - BLACKBERRY, IVY)
SURFACE ROOT EXTENTS	WETLAND	LOW SHORE BLUFF (4' OR LESS)
PEELER POLE RETAINING WALL	WETLAND WATER LEVEL	LIMIT OF WORK
12" ALDER EXISTING TREE	LAKE WASHINGTON	ORDINARY HIGH WATER
		COIR LOG W/ LIVE STAKES
	SAND @ LAKE SHORE	STRAW ROLL
		LIMIT OF SITE IMPACTS (BOARDWALK CONSTRUCTION)

NOT FOR CONSTRUCTION

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
JOHN FORREST BARKER
CERTIFICATE NO. 486

NO.	DATE	BY	APPR.	REVISIONS
1	5/4/12	KS	JB	60% Review Set
2	7/23/12	KS	JB	Permit Set

BARKER
LANDSCAPE ARCHITECTS, P. S.
1514 NW 52ND STREET, SEATTLE, WASHINGTON 98107
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks & Community Services - Natural Resource Division
Kevin Husemann, Project Manager
450 110 th Ave. NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452.2740

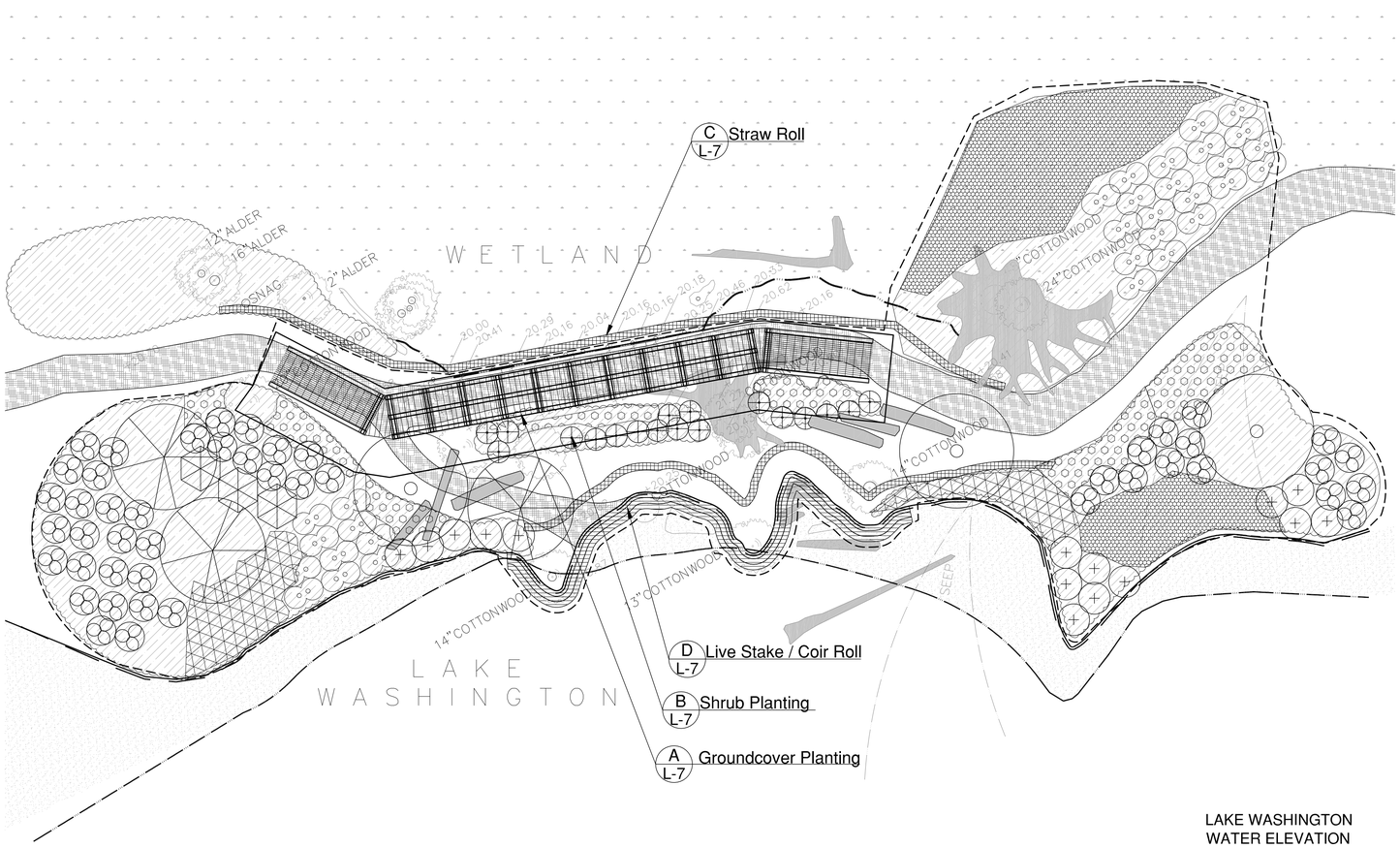
City of Bellevue

NM/ JB	7/23/12
DESIGNED BY	DATE
ES/KS	7/23/12
DRAWN BY	DATE
NM/JB	7/23/12
CHECKED BY	DATE

City of Bellevue
Beach Park Boardwalk & Shoreline Restoration

Layout Plan

4



LAKE WASHINGTON
WATER ELEVATION
= 16.87 (2/23/2012)

NOTES:

1. Information depicted in this existing conditions map is not exact, and does not constitute a survey by a licensed surveyor. It is meant to convey general site conditions. The contractor shall be responsible for verifying existing conditions on site and making field adjustments as necessary to fit actual site conditions.

PLANT SCHEDULE

SHRUBS

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS	QUANT.
	Malus fusca	Pacific Crabapple				
	Crataegus douglasii	Black Hawthorne				
	Rubus spectabilis	Salmonberry	1 Gal.	36" o.c.	4' - 5' ht	
	Symphoricapus albus	Snowberry	1 Gal.	36" o.c.		
	Rosa pisocarpa	Swamp Rose				
	Cornus sericea	Red Osier dogwood				
	Physocarpus capitatus	Pacific Ninebark				
	Lonicera involucrata	Twinberry	1 Gal.			
	Cornus stolonifera & Salix scouleriana	Red osier Dogwood & Scouler's Willow	Live Stakes	24" o.c.	live stakes in coir log	

GROUNDCOVERS & PERENNIALS

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS	QUANT.
	Ausarum caudatum	Wild Ginger		18" o.c.	tri-spacing, container	
	Scirpus microcarpus	Small Fruited Bullrush		24" o.c.	1' - 2' ht	

PLANTING / RESTORATION PLAN

0 10 20
Scale: 1" = 10'
(At 22" x 34" sheet)

LEGEND

- SPOT ELEVATIONS (+20.16)
- SURFACE ROOT EXTENTS
- PEELER POLE RETAINING WALL
- EXISTING TREE (12" ALDER)
- WOOD CHIP TRAIL
- WETLAND
- WETLAND WATER LEVEL
- LAKE WASHINGTON
- SAND @ LAKE SHORE
- NATIVE UNDERSTORY WITH SOME INVASIVES - BLACKBERRY, IVY)
- LOW SHORE BLUFF (4' OR LESS)
- LIMIT OF WORK
- ORDINARY HIGH WATER
- STRAW ROLL
- COIR LOG
- LIMIT OF SITE IMPACTS FOR BOARDWALK CONSTRUCTION

NOT FOR CONSTRUCTION
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
JOHN FOREST BARKER
CERTIFICATE NO. 486

NO.	DATE	BY	APPR.	REVISIONS
1	5/4/12	KS	JB	60% Review Set
2	7/23/12	KS	JB	Permit Set

BARKER
LANDSCAPE ARCHITECTS, P. S.
1514 NW 52ND STREET, SEATTLE, WASHINGTON 98107
PH (206) 783-2870 FX (206) 783-3212

Approved By

Department of Parks &
Community Services -
Natural Resource Division

Kevin Husemann, Project Manager
450 110 th Ave, NE
P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452.2740

City of Bellevue

NM/ JB	7/23/12
DESIGNED BY	DATE
ES/KS	7/23/12
DRAWN BY	DATE
NM/JB	7/23/12
CHECKED BY	DATE

City of Bellevue
Beach Park Boardwalk & Shoreline Restoration

Planting / Restoration Plan

5