



DEVELOPMENT SERVICES DEPARTMENT
 ENVIRONMENTAL COORDINATOR
 450 100th Ave NE., P.O. BOX 90012
 BELLEVUE, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPONENT: Geoff Bradley, City of Bellevue Parks Department

LOCATION OF PROPOSAL: 4095 West Lake Sammamish Parkway SE

NAME & DESCRIPTION OF PROPOSAL: Sunrise Park Trail Improvements

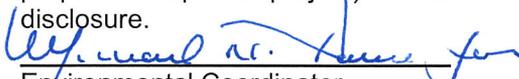
Critical Areas Land Use Permit to improve the Sunrise Park trail corridor by widening the asphalt pavement to a width of 10 feet, removing the pea-gravel overlook, extending two small drainage pipes to accommodate a widened trail, installing an interlocked plant-able bagged soil/compost retaining wall system, adding new trail signage, and restoring disturbed and degraded areas with native plantings. Additional site improvements include a new parallel parking alignment within the existing parking surface area, a new paved connection to the walkway along West Lake Sammamish Parkway SE, and two new sign kiosks. Portions of the proposed work is within a Type F stream critical area buffer, steep slope critical area, top of slope buffer, and toe of slope structure setback. No structures or new bridges are proposed with the trail improvement project. The application includes a plan for stream and slope buffer restoration and enhancement as mitigation. Installation and improvement of parks facilities is an allowed use in critical areas per LUC 20.25H.055.

FILE NUMBER: 13-112744-LO

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

- There is no comment period for this DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's office by 5:00 p.m. on _____.
- This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision. A written appeal must be filed in the City Clerk's Office by 5 p.m. on **August 1, 2013**.
- This DNS is issued under WAC 197-11-340(2) and is subject to a 14-day comment period from the date below. Comments must be submitted by 5 p.m. on _____. This DNS is also subject to appeal. A written appeal must be filed in the City Clerk's Office by 5 p.m. on _____.

This DNS may be withdrawn at any time if the proposal is modified so that it is likely to have significant adverse environmental impacts; if there is significant new information indicating, or on, a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project); or if the DNS was procured by misrepresentation or lack of material disclosure.


 Environmental Coordinator

July 18, 2013
 Date

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife
- State Department of Ecology
- Army Corps of Engineers
- Attorney General
- Muckleshoot Indian Tribe



**City of Bellevue
Development Services Department
Land Use Division Staff Report**

Proposal Name: Sunrise Park Trail Improvements

Proposal Address: 4095 West Lake Sammamish Parkway SE

Proposal Description: Critical Areas Land Use Permit to improve the Sunrise Park trail corridor by widening the asphalt pavement to a width of 10 feet, removing the pea-gravel overlook, extending two small drainage pipes to accommodate a widened trail, installing an interlocked plant-able bagged soil/compost retaining wall system, adding new trail signage, and restoring disturbed and degraded areas with native plantings. Additional site improvements include a new parallel parking alignment within the existing parking surface area, a new paved connection to the walkway along West Lake Sammamish Parkway SE, and two new sign kiosks. Portions of the proposed work is within a Type F stream critical area buffer, steep slope critical area, top of slope buffer, and toe of slope structure setback. No structures or new bridges are proposed with the trail improvement project. The application includes a plan for stream and slope buffer restoration and enhancement as mitigation. Installation and improvement of parks facilities is an allowed use in critical areas per LUC 20.25H.055.

File Number: 13-112744-LO

Applicant: Geoff Bradley, City of Bellevue Parks Department

Decisions Included: Critical Areas Land Use Permit
(Process II. LUC 20.25H.145)

Planner: David Pyle, Land Use Planner

**State Environmental Policy Act
Threshold Determination:**

Determination of Non-Significance

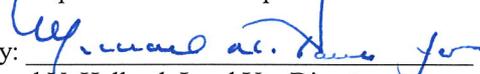


Carol V. Helland, Environmental Coordinator
Development Services Department

Director's Decision:
Michael A. Brennan, Director

Approval with Conditions

Development Services Department

By: 

Carol V. Helland, Land Use Director

Application Date:	<u>04/16/2013</u>
Notice of Application Publication Date:	<u>05/02/2013</u>
Decision Publication Date:	<u>07/18/2013</u>
Project/SEPA Appeal Deadline:	<u>08/01/2013</u>

For information on how to appeal a proposal, visit the Development Services Department at City Hall or call (425) 452-6800. Comments on State Environmental Policy Act (SEPA) Determinations can be made with or without appealing the proposal within the noted comment period for a SEPA Determination. Appeal of the Decision must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

I. Background

A. Project Description

The City of Bellevue Parks and Community Services Department proposes to improve the Sunrise Park trail corridor by widening the asphalt pavement to a consistent width of 10 feet (within the non-vegetated and already compacted trail shoulder), removing the pea-gravel overlook, extending two small drainage pipes to accommodate a widened trail surface, installing an interlocking plant-able bagged soil/compost retaining wall system, adding new trail signage, and restoring disturbed and degraded areas with native plantings. Additional site improvements include a new parallel parking alignment within existing parking surface areas, a new paved connection to the walkway along West Lake Sammamish Parkway SE, and two new sign kiosks. Portions of the proposed work is within a Type F stream critical area buffer, steep slope critical area, top of slope buffer, and toe of slope structure setback.

The primary project objective is an expansion of the paved trail surface adjacent to the existing surface to accommodate current use patterns that have led to degradation of the trail shoulder and to provide a consistent trail width of 10 feet meeting AASHTO shared use pedestrian path design standards (which require 10 feet in width for multi-modal paths). The expanded paved surface will be safer, will reduce erosion in areas of off-surface use, and will restrict off trail impact by trail users.

In addition to accommodating existing use patterns, the addition of a recreation trail along West Lake Sammamish Parkway is anticipated to increase Sunrise Park trail use, including cyclist traffic between the Parkway and the I-90 trail. The widening of the paved surface is needed to ensure the safety of multi-modal trail users and upgrades the facility to meet AASHTO (width) standards.

No structures or new bridges are proposed with the trail improvement project, the scope of work is limited to widening of existing surface trail facilities - the proposed widened trail will utilize existing bridges to serve as stream crossings. Project plans depicting proposed trail improvement designs, including construction BMPs and mitigation plans are included as **Attachment 1**.

B. Site Description

The project site is primarily located within the existing Sunrise Park. The park property, approximately 4.48 acres in size, is located along West Lake Sammamish Parkway SE. A gravel parking area, which accommodates approximately 4 to 5 vehicles, is located directly adjacent to the roadway. The park includes an asphalt trail that extends from the parking area in a southerly direction, eventually extending off the park property into the Interstate 90 right-of-way and connecting with the Mountains-to-Sound Trail. The trail corridor includes a wooden footbridge with concrete abutments and a pea-gravel overlook. The trail shoulder areas (extending approximately two feet on either side of the trail) are typically compacted bare dirt that has been impacted by trail users venturing off-surface.

C. Existing Conditions

The City of Bellevue owns the park parcel upon which the majority of improvements are proposed. The parcel is designated open space within the City. Single-family residences are located west and north of the site; the Sammamish Bible Camp is located east of the parcel and the Interstate 90 right-of-way is located south of the parcel. The subject site is relatively flat near West Lake Sammamish Parkway SE, but slopes upward to the south. Total elevation

gain from the parking area to the Mountains-to-Sound (I-90) Trail is approximately 55 feet. The site is primarily forested and includes a Type F stream, Sunrise Creek.

The stream flows northward through a narrow valley with steep, predominantly vegetated banks. As mentioned, the widened trail will represent an improved connection between West Lake Sammamish Parkway SE and the Mountains-to-Sound Trail. The Mountains-to-Sound Trail extends in an east-west orientation, providing access to multiple areas in both directions. Overall, the proposed project will provide increased recreational opportunities for the public. Portions of proposed improvements will occur within the on-site stream buffer. However, improvements are primarily concentrated within the existing trail alignment and will mainly occur within the non-vegetated and compacted trail shoulder. Proposed native plantings within and outside of the buffer are expected to offset any minimal impact to the buffer and may result in a long term ecological improvement. A project narrative describing the proposed trail improvements is included as **Attachment 2**.

D. Project Design

Paved surface trail widening primarily utilizes existing impacted shoulders adjacent to the existing trail. When new areas of impact are necessary, mitigation is proposed. Direct impacts to the on-site critical area (Sunrise Creek) have been avoided as the project follows an existing trail alignment and utilizes existing bridges. Impacts are limited to areas adjacent to the existing trail within the stream buffer and slope areas, no in-stream work is proposed.

Aside from limiting trail use through operational restrictions such as closing the path to cyclists and in-line skaters allowing a narrower path due to less restrictive facility standards for single use paths, there is no feasible alternative with less impact to the critical area buffer. The existing trail is in need of improvement, including widening to accommodate increased multi-modal usage. With an existing trail already in place, locating a new wider trail elsewhere within the forested park could represent a greater ecological impact, with significant impacts to highly functioning native vegetation. Further, costs associated with a new trail alignment are disproportionate to the costs associated with improving the existing trail. Therefore, widening the trail in its present location is the only feasible alternative. The project purpose is to provide an improved, wider, and safer trail for pedestrian use that meets multi-modal trail standards.

As mentioned above, the only alternative to improving and widening the existing trail would be construction of a new trail alignment elsewhere in the forested park. Additional ecological impacts and disproportionate costs make this alternative non-viable. Project plans, including a site plan, bridge designs, and safety railing designs are included as **Attachment 1**.

II. Site Description and Context

A. Critical Areas:

- i. **Sunrise Creek**- This section of Sunrise Creek is rated as a Type F stream under LUC 20.25H.075.B. Under LUC 20.25H.075.C.1.a.i Type F streams are protected by a 100 foot buffer and under LUC 20.25H.075.D.2.a.i an additional 20 foot structure setback applies. This is a proposal to improve an existing pedestrian trail. No work is proposed in water.
- ii. **Steep Slope Critical Areas**- Sunrise Park is characterized by a northeast facing

slope that trends down from the I-90 corridor to the southwest to Lake Sammamish. Site slopes meet the definition of a protected steep slope critical area. The proposed trail improvements cross areas of steep slope critical area, buffers, and structure setbacks. Aside from minor surface disturbance, the proposed trail improvements will not affect the slope or surface stability of alter the site's soils or geology. Erosion control practices will be employed during construction and the trail edges will be mulched and planted after trail improvement have been completed. No impacts to slopes are anticipated and the work proposed is considered as minor. Project plans, including erosion control BMPs and the project planting plans are included as **Attachment 1**.

III. State Environmental Policy Act (SEPA)

The environmental review indicates no probability of significant adverse environmental impacts occurring as a result of the proposal. The Environmental Checklist submitted with the application adequately discloses expected environmental impacts associated with the project. The City codes and requirements, including the Clear and Grade Code, Utility Code, Land Use Code, Noise Ordinance, Building Code and other construction codes are expected to mitigate potential environmental impacts. The project is also supported by a mitigation and restoration plan meeting the requirements of LUC 20.25H.210 and a net improvement over existing conditions is anticipated. Therefore, issuance of a Determination of Non-Significance (DNS) is the appropriate threshold determination under the State Environmental Policy Act (SEPA) requirements. The project SEPA checklist is included as **Attachment 3**. Project plans, including restoration and mitigation plans are included with **Attachment 1**.

IV. Consistency with Land Use Code Requirements:

A. Zoning District Dimensional Requirements:

This is a proposal to improve an existing pedestrian trail. The project site is a nature area (park) and is not built out with any primary structures. The proposed trail improvements meet the applicable use and dimensional provisions of the Land Use Code.

B. Critical Areas Requirements:

As previously discussed, the project vicinity is within a Type F stream area as well as a Steep Slope Critical Area, both regulated under the City of Bellevue Land Use Code section 20.25H. Under LUC 20.25H, the modification of a Critical Area is prohibited unless the proposal is identified as an allowed use or a provision for modification exists. This proposed parks facility trail improvements are considered as an allowed activity identified by LUC 20.25H.055.B under the category of "New or expanded City and public parks". As an allowed activity, the proposed development must meet the requirements identified in LUC 20.25H.055.C.3.g, 20.25H.080.A, and 20.25H.125.

LUC 20.25H.055.C.3.g establishes performance standards for expansions of parks facilities, including trails, within critical areas and critical area buffers. LUC 20.25H.080.A and 20.25H.125 establish performance standards specific to stream critical areas and steep slope critical areas.

V. Consistency with Land Use Code Critical Areas Performance Standards:

A. Consistency with LUC 20.25H.055.C.3.g

New nonmotorized trails within the critical area or critical area buffer must meet following standards:

1. Trail location and design shall result in the least impacts on the critical area or critical area buffer;

Design of the proposed trail improvements will result in the least amount of critical area and critical areas buffer impacts possible. No direct stream impacts are proposed; impacts will take place only within the stream buffer. However, improvements are primarily concentrated within the existing trail alignment and will mainly occur within the non-vegetated and compacted trail shoulder. Proposed native plantings within and outside of the buffer are expected to offset any minimal impact to the buffer and may result in a long-term ecological improvement.

2. Trails shall be designed to compliment and enhance the environmental, educational, and social functions and values of the critical area with trail design and construction focused on managing and controlling public access and limiting uncontrolled access;

The proposed trail improvements have been designed to enhance several aspects of the critical area:

1) Environmentally, the critical area will be improved through implementation of a restoration plan that includes the planting of native species within the stream buffer. Overall, ecological function within the critical area will improve as a result of the proposed project.

2) Educational and social values of the critical area will also be improved as a result of the proposed project. In addition to improving the trail and enhancing the buffer, the proposed project includes new kiosks and several trail information signs. Therefore, the public would be provided with additional passive access opportunities, all while protecting the critical area and creating further awareness of the ecological sensitivity and uniqueness of the area.

3. Trails shall be designed to avoid disturbance of significant trees and to limit disturbance of native understory vegetation;

No existing significant trees are proposed for complete removal as part of the proposed project. Two trees, a 32-inch-diameter cedar and an 18-inch-diameter cedar, are partially located within the widened trail alignment and will be turned into snags. Remaining significant trees within the project corridor will be adequately protected during construction activities. Areas of native shrubs and groundcover that are impacted during construction activities will be restored with native plantings after construction is complete.

4. Trails shall be designed to avoid disturbance of habitat used for salmonid rearing or spawning or by any species of local importance;

This is a proposal to widen an existing pedestrian trail that connects West Lake Sammamish Parkway to the I-90 regional pedestrian trail. The existing trail crosses through Sunrise Park. An existing pedestrian bridge provides crossing across the Type F stream. Trail widening is necessary to accommodate existing use patterns and

increased use due to regional trail connections currently under construction. No in-stream work is proposed. Work will occur in stream buffers. Where new impacts are proposed within the stream buffer mitigation is included. The trail improvements have been carefully planned to avoid direct impacts to fish habitat. Three trees have been identified as potential hazards due to proximity to the trail and are proposed for snag conversion. Widening of the trail will result in limited vegetation conversion, which will be mitigated through buffer enhancement. The proposed project is not expected to impact any species of local importance.

5. The trail shall be the minimum width necessary to accommodate the intended function or objective;

The proposed trail has been designed to have a width of approximately ten feet. The proposed width is intended to provide adequate and safe capacity for expected demand and is consistent with the width of connecting trails to the north and south of the project site.

6. All work shall be consistent with the City of Bellevue's "Environmental Best Management Practices" and all applicable City of Bellevue codes and standards, now or as hereafter amended;

All trail-improvement work shall be consistent with the City of Bellevue Clearing and Grading Code (Chapter 23.76), permit conditions, and all other applicable codes, ordinances, and standards, including "Environmental Best Management Practices."

7. The facility shall not significantly change or diminish overall aquatic area flow peaks, duration or volume or flood storage capacity, or hydroperiod;

All portions of the proposed improvements will be located outside the limits of the on-site stream. Overall, there will be no change in flow peaks or storage capacity within the stream channel.

8. Where feasible and consistent with any accessibility requirements, any trail shall be constructed of pervious materials;

The existing on-site trail is currently made of asphalt. The proposed project includes the addition of a new layer of asphalt on the trail and adding additional asphalt in some areas to achieve a finished width of 10 feet (the AASHTO standard width for multi-use pedestrian paths). The existing underlying trail will inhibit any percolating drainage benefits of pervious material. The purpose of the asphalt trail is to provide a durable, hard surface to accommodate the expected level of demand. Additionally, connecting trails to the north and south of the project site are made of asphalt. Therefore, in order to provide a consistent surface through the project area, asphalt has been utilized.

9. Crossings over and penetrations into wetlands and streams shall be generally perpendicular to the critical area, and shall be accomplished by bridging or other technique designed to minimize critical area disturbance considering the entire trail segment and function; and

No new crossing of the on-site stream is proposed. The existing bridge that crosses the stream will remain in place. Proposed improvements will result in a widened trail on

either side of the bridge; however, as mentioned, no new crossing is proposed.

10. Areas of new permanent disturbance and all areas of temporary disturbance shall be mitigated and/or restored pursuant to a mitigation and restoration plan meeting the requirements of LUC 20.25H.210.

The project includes approximately 9,600 square feet of stream buffer enhancement and restoration. These actions are included in a plan developed in accordance with LUC 20.25H.210.

B. Consistency With LUC 20.25H.080.A

In addition to generally applicable performance standards set forth in LUC 20.25H.055 for parks uses, development within a stream or stream buffer shall incorporate the following additional performance standards in design of the development, as applicable.

1. Lights shall be directed away from the stream.

No lights are proposed as part of the project.

2. Activity that generates noise such as parking lots, generators, and residential uses shall be located away from the stream or any noise shall be minimized through use of design and insulation techniques.

This is a proposal for a pedestrian trail. Noise will be limited to the noise associated with cyclists, walkers, hikers, and joggers.

3. Toxic runoff from new impervious area shall be routed away from the stream.

No new areas of pollution generating impervious surface are proposed.

4. Treated water may be allowed to enter the stream critical area buffer.

No new outfalls are proposed.

5. The outer edge of the stream critical area buffer shall be planted with dense vegetation to limit pet or human use.

A restoration plan meeting the requirements of LUC 20.25H.210 has been submitted. The areas adjacent to the trail will be planted with dense vegetation.

6. Use of pesticides, insecticides and fertilizers within 150 feet of the edge of the stream critical area buffer shall be in accordance with the City of Bellevue's "Environmental Best Management Practices," now or as hereafter amended.

The site will be managed by the Parks Department in accordance with the "Environmental Best Management Practices".

C. Consistency with LUC 20.25H.125

Where use or development within proximity to steep slope critical areas is allowed pursuant to LUC 20.25H.055, the general performance standards of LUC 20.25H.125 apply. Generally, the performance standards of LUC 20.25H.125 are oriented towards the development of structures or other significant improvements within steep slope areas. This is a proposal to widen an existing pedestrian path. The proposed trail improvements have been designed to meet the required performance standards as described above. No new structures are proposed, the project has been designed to preserve the most critical portion of the site in that the proposal utilizes an existing impacted corridor and is not a new alignment, and a mitigation plan is included with the proposal that addresses displacement impacts due to surface conversion from compacted bare soils to a paved surface. Project plans, including restoration and mitigation plans are included with **Attachment 1**.

VII. Public Notice and Comment

Application Date: April 16, 2013
Public Notice (500 feet): May 2, 2013
Minimum Comment Period: May 16, 2013

The Notice of Application for this city wide project was published in the City of Bellevue weekly permit bulletin on May 2, 2013. A public comment period was held open for 14 days. No comments were received.

VIII. Decision Criteria

The proposal, as conditioned below, meets the applicable regulations and decision criteria for a Critical Areas Land Use Permit pursuant to LUC Section 20.30P.

A. The proposal obtains all other permits required by the Land Use Code;

In addition to a Critical Areas Land Use Permit, the project applicant will apply for a Clearing and Grading Permit and Right-of-Way Use Permit from the City of Bellevue. No other City of Bellevue land use or construction permits will be required of this project.

B. The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer;

The proposed project involves the improvement and widening of an existing pedestrian trail within Sunrise Park. Areas of vegetation enhancement will also occur. Trail width has been limited to the minimum necessary to meet projected demand, while also providing adequate safety for trail users.

Enhancement plantings are proposed in those areas along the trail corridor that are currently devoid of significant native vegetation. Plantings are also proposed in an existing gathering area currently covered in gravel and asphalt. Proposed plantings will help keep users on the trail, improve habitat complexity within and adjacent to the stream buffer, and help to filter and disperse stormwater runoff from the trail.

Therefore, through minimizing impacts within the buffer and restoring areas with native plantings, the design and development of the proposed project will not decrease

ecological function of the project site, and may improve ecological function over the long-term. Furthermore, the public will have improved access to this area.

C. The proposal incorporates the performance standards of Part 20.25H to the maximum extent applicable, and ;

Performance standards are addressed in Section V of this report.

D. The proposal will be served by adequate public facilities including street, fire protection, and utilities; and;

The proposed project will be served by adequate public facilities. No additional public facilities will be required with implementation of the proposed project.

E. The proposal includes a mitigation or restoration plan consistent with the requirements of LUC Section 20.25H.210; and

A mitigation and restoration plan has been prepared in accordance with the requirements of LUC 20.25H.210.

F. The proposal complies with other applicable requirements of this code.

The proposed project complies with all other applicable City of Bellevue Land Use Codes, including 20.25H and 23.76.

IX. Conclusion and Decision

After conducting the various administrative reviews associated with this proposal, including Land Use Code consistency, SEPA, City Code and Standard compliance reviews, the Development Services Department Land Use Director does hereby **approve with conditions** the proposal to implement surface trail facility improvements within Sunrise Park.

Note- Expiration of Approval: In accordance with LUC 20.30P.150 a Critical Areas Land Use Permit automatically expires and is void if the applicant fails to file for a Clearing and Grading Permit, Building Permit, or other necessary development permits within one year of the effective date of the approval.

X. Conditions of Approval

The applicant shall comply with all applicable Bellevue City Codes and Ordinances including but not limited to:

<u>Applicable Ordinances</u>	<u>Contact Person</u>
Clearing and Grading Code- BCC 23.76	Tom McFarlane, 425-452-5207
Land Use Code- BCC 20.25H	David Pyle, 425-452-2973
Noise Control- BCC 9.18	David Pyle, 425-452-2973

The following conditions are imposed under the Bellevue City Code or SEPA authority referenced:

- 1. Clearing and Grading Permit Required with Restoration and Mitigation Plans:** A Clearing and Grading Permit is required and must include acceptable restoration and mitigation plans. Mitigation plans shall include appropriate restoration measures meeting LUC 20.25H.220. A minimum of 1:1 buffer enhancement is required for areas of trail expansion within critical areas (slopes and streams and associated buffers).

Authority: Land Use Code 20.25H.220
Reviewer: David Pyle, Development Services Department

- 2. Rainy Season restrictions:** Due to the proximity to a Type F Stream and steep slope critical areas, no clearing and grading activity may occur during the rainy season, which is defined as October 1 through April 30 without written authorization of the Development Services Department. Should approval be granted for work during the rainy season, increased erosion and sedimentation measures, representing the best available technology must be implemented prior to beginning or resuming site work.

Authority: Bellevue City Code 23.76.093.A,
Reviewer: David Pyle, Development Services Department

- 3. Monitoring Required:** The applicant must submit as part of the required Clearing and Grading Permit application or Building Permit application a monitoring plan that identifies how all areas of temporary disturbance and areas of restoration will be monitored for a period of five years following the installation of mitigation measures. In order to ensure long-term survival of restoration plantings, the plan must monitor plant survival, percent cover of planted vegetation, diversity, and coverage by invasive or non-native species.

Authority: Land Use Code 20.25H.220
Reviewer: David Pyle, Development Services Department

- 4. Noise Control:** The proposal will be subject to normal construction hours of 7 am to 6 pm Monday through Friday and 9 am to 6 pm on Saturdays, except for Federal holidays and as further defined by the Bellevue City Code. Upon written request to DSD, work hours may be extended to 10 pm if the criteria for extension of work hours as stated in BCC 9.18 can be met.

Authority: Bellevue City Code 9.18
Reviewer: David Pyle, Development Services Department

- 5. Trail Surface and Safety Improvement Design:** The maximum paved trail surface shall not exceed 10 feet. Trail widening shall be executed through use of retaining interlocked plant-able soil/compost bag retaining walls as opposed to toe of slope excavation and shall be the minimum height necessary. Interlocking bags shall be planted with appropriate groundcover. Signage and fencing shall be strategically placed so as not effectively expand the paved surface area and not increase areas of permanent disturbance.

Authority: Land Use Code 20.25H.055
Reviewer: David Pyle, Development Services Department

- 6. Tree Removal Restrictions:** Only those trees that must be removed where “no feasible

alternative” exists or those trees that are rated as a hazard using the ISA Tree Hazard Rating Form may be removed as part of this project. All proposed tree removal must be documented as an approved revision to the project construction permit. All trees removed must be replanted at a ratio of no less than 2:1 with approved replanting stock and all downed wood from felled trees must be retained onsite within the stream riparian area.

Authority: Land Use Code 20.25H.220
Reviewer: David Pyle, Development Services Department

XI. Attachments:

1. Site and Project Plans- In File
2. Project Narrative- In File
3. SEPA Checklist – In File

Sunrise Park Trail Project

City of Bellevue, WA



EXISTING CONDITIONS

LOOKING EAST ALONG WEST LAKE SAMMAMISH PARKWAY SE TOWARDS TRAILHEAD AND SUNRISE PARK TRAIL ENTRANCE



PROJECT LOCATION

VICINITY MAP

NTS



CONSTRUCTION NOISE NOTES:

Construction noise outside the allowable hours is prohibited per BCC 9.18.040. To be considered a violation, the construction-related noise must be audible across a property line or at least 75 feet from the source. Any violation is a civil infraction and the City may assess a monetary penalty to the individual creating the noise. The penalties are:

- A warning will be issued if no construction noise violation has been committed by the same person within the previous two years at any location within the City.
- A citation will be issued and a \$125 fine imposed if one previous violation has been committed by the same person within the previous two years at any location within the City.
- A citation will be issued and a \$250 fine imposed if two or more previous violations have been committed by the same person within the previous two years at any location within the City.

FOR ALL COMMERCIAL, MULTI-FAMILY, AND NEW SINGLE-FAMILY HOMES:

Construction-related noise is allowed:

- 7 am to 6 pm on weekdays
- 9 am to 6 pm on Saturdays

Construction -related noise is not allowed:

- Outside of allowable hours
- Legal holidays
- Sundays

CLEARING AND GRADING STANDARD NOTES:

1. 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.
2. 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.
3. 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.
4. The area to be cleared and graded must be flagged by the contractor and approved by the clearing & grading inspector prior to beginning any work on the site.
5. A reinforced silt fence 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.
6. 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.
7. 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.
8. 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, if applicable.
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 through April 30th, as defined in section 23.76.093A of the Clearing & Grading Code.

TRAIL REMOVAL NOTES:

1. Portions of existing asphalt trail to be removed are noted on the Existing Conditions in this set.
2. Limit negative impacts such as soil compaction, erosion, and sedimentation as required in the Western Washington Stormwater Manual.
3. Existing Trail Removal and Site Enhancement: Remove existing asphalt and base materials, scarify trail soil to a 2" depth before placing out soil, and plants. Do not scarify where tree roots greater than 1/2" diameter occur. Where mechanized equipment cannot access areas to scarify existing trails the Contractor shall employ other means and methods such as hand tools (forks, hoe-dads, and pulaski) to scarify soil.
4. Scarification shall be in areas where existing asphalt is proposed to be removed only.
5. If any plants are to be relocated as part of this project, they shall be heeled in and roots and rhizomes protected from drying out. Maintain an even moisture content in root masses and root balls.
6. Install all plants transplanted at the same depth they were dug.
7. All logs 6" DBH and larger shall be kept on site and used for trail removal and enhancement. Logs smaller than 6" DBH may be either disposed of off site or chipped on to areas identified to receive wood chips on site, as directed by the Owner.
8. Remove or chip branches 3" diameter and greater, as measured from the branch collar, from logs used in the removal of existing user paths.
9. Plant shrubs as directed in the field by the Owner.
10. New plants to be planted within the work limits will be maintained for a period of 3 years. See Planting Plan this set for species, quantities, and locations.

MITIGATION:

PROJECT AREA: 30,482 square feet Total net area impacted to stream 50' buffer: 9,601 SF

MITIGATION:

Total area impacted to stream 50' buffer:	9,601 SF	COB 20.25H.85.B requires minimum 1:1 buffer mitigation ratio.
Finished asphalt within stream buffer:	7,081 SF	9,601 SF of stream buffer mitigation required
Impacts related to grading/work:	5,139 SF	Minimum 9,601 SF new planting area provided utilizing
SUBTRACT existing asphalt to receive overlay:	-2,599 SF	COB 20.25H.85.A.2, enhancement of the functions and values of
TOTAL IMPACT TO STREAM BUFFER:	9,601 SF	the existing stream buffer

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. Note that no existing utilities have been researched or verified in any areas between proposed work limits up to, and including, the staging area.
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, fencing materials, and coordination of boardwalk and trail work with Western Wood Structure Bridge work (NIC). The Contractor is to coordinate with Owner's representative on all construction logistical items not explicitly described in the drawings and specifications.

PROJECT DESCRIPTION:

Contracted work includes: site preparation, environmental protection, minor earthwork and drainage, widen existing asphalt path to a width of 10' (including sub-grade prep and crushed rock install), approximately 1000+ square feet of Envirolok bagged retaining wall system, restoration planting, trail signage, trail removal, tree removal and snag creation, and site restoration. For technical questions, call Barker Landscape Architects, (Jeff) 206-783-2870.

CONTACTS:

Client:

Bellevue Parks and Community Services
Dan Dewald,
Project Manager
450 110th Ave. NE, P.O. Box 90012
Bellevue, WA. 98009
tel: (425) 452-6885

Surveyor:

Lovell-Sauerland Surveyors
Contact: Jeff Treiber
19217 36th Ave West, Suite 106
Lynnwood, WA 98036
phone 425-775-1591
jefft@lsaengineering.com

Landscape Architect:

Barker Landscape Architects
Contact: Jeff Varley
3002 NW 68th Street
Seattle, WA 98117
phone 206-783-2870
fax 206-783-8312
jeff@barkerla.com

DRAWING INDEX

- 1 COVER
- 2 EXISTING CONDITIONS
- 3 TESC / DEMO PLAN
- 4 LAYOUT & GRADING PLAN
- 5 LAYOUT & GRADING PLAN
- 6 PLANTING PLAN
- 7 SIGNAGE DETAILS
- 8 DETAILS
- 9 ENVIROLOK DETAILS

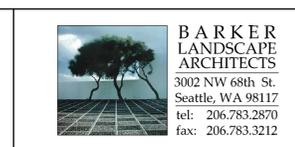
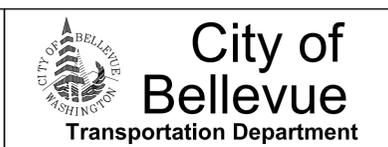
CALCULATIONS:

TOTAL PROJECT SITE (Sunrise Park):	195,149 SF
AREA WITHIN WORK LIMITS:	30,482 SF
EXISTING IMPERVIOUS SURFACES:	7,923 SF
<small>(Existing trailhead/parking plus existing asphalt trail north and south of footbridge)</small>	
PERCENTAGE OF EXISTING IMPERVIOUS SURFACES:	7,923 / 30,482 = 25.99%
TOTAL CLEARING:	4,557 SF
NEW IMPERVIOUS SURFACES:	
New SF for 10' width asphalt (north of footbridge):	+710 SF
New SF for 10' width asphalt (south of footbridge):	+3,847 SF
TOTAL NEW IMPERVIOUS SURFACES:	4,557 SF
REPLACED IMPERVIOUS SURFACES:	0 SF
NEW + REPLACED IMPERVIOUS SURFACES:	4,557 SF
EXISTING IMPERVIOUS SURFACES TO BE CONVERTED TO PERVIOUS:	1,559 SF
NET INCREASE IN IMPERVIOUS SURFACES:	
New Impervious surface:	4,557 SF
Existing impervious surface converted to pervious:	-1,559 SF
	+2,998 SF
MATERIAL EXPORT/IMPORT:	
Estimated Cut: +/-100 cubic yards (on-site materials re-used, existing asphalt export)	
Estimated Fill (on-site materials re-used): +/- 80 cubic yards	

NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

JV,NM	08/10/12
DESIGNED BY	DATE
JV,NM	08/10/12
DRAWN BY	DATE
JB	08/10/12
CHECKED BY	DATE



Sunrise Park Trail Project
West Lake Sammamish Pkwy SE
Bellevue, WA 98008

COVER SHEET	
SHT	1 OF 9



LEGAL DESCRIPTION
 THAT PORTION OF GOVERNMENT LOT 1 IN SECTION 13, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M., IN KING COUNTY, WASHINGTON, LYING SOUTHERLY OF WEST LAKE SAMMAMISH BOULEVARD AND EASTERLY OF A LINE DESCRIBED AS FOLLOWS:
 BEGINNING AT A POINT ON THE SOUTH LINE OF SAID SUBDIVISION FROM WHICH THE SOUTHEAST CORNER OF SAID SUBDIVISION BEARS S 86°05'24" E, A DISTANCE OF 500 FEET;
 THENCE N 1°31'03" E, 325 FEET;
 THENCE N 64°14'43" E, 247.24 FEET TO THE SOUTHWESTERLY MARGIN OF WEST LAKE SAMMAMISH BOULEVARD AND THE TERMINUS OF SAID LINE;
 EXCEPT THAT PORTION THEREOF WHICH LIES WITHIN THE RIGHT FOR STATE HIGHWAY.
 SUBJECT TO EASEMENTS, RESTRICTIONS AND RESERVATIONS OF RECORD.

BASIS OF BEARINGS
 THE CALCULATED BEARING BETWEEN CITY OF BELLEVUE CONTROL POINTS 1895 AND 1896 N 70°01'18" W.
 DATUM : NAD83 (NSRS2007)

BENCH MARK
 CITY OF BELLEVUE CONTROL POINT NUMBER 1896, BEING A CONCRETE MONUMENT IN CASE.
 ELEVATION : 88.04
 DATUM : NAVD 1988

UTILITY NOTE
 THE LOCATION OF UNDERGROUND UTILITIES SHOWN HEREON IS APPROXIMATE ONLY. THIS SURVEY DOES NOT PURPORT TO SHOW THE LOCATION OF ALL UTILITIES. THE OWNER SHOULD CONTACT THE PURVEYORS OF ALL UTILITIES IN THE AREA TO DETERMINE THE LOCATION AND DEPTH OF ALL UTILITIES ON AND ADJACENT TO THE PROPERTY.

NOTE
 THE COURSES AND DISTANCES SHOWN HEREON FOR THE BOUNDARIES OF THE PROPERTY ARE BASED UPON RECORD INFORMATION AND AS SUCH ARE SUBJECT TO VERIFICATION BY AN ACTUAL SURVEY OF THE PROPERTY.

EXISTING CONDITIONS LEGEND

- Wood Rail Fence
- 50' Stream Buffer, Estimated
- 100 Topography Contour
- 102 Topography Contour
- Mountains to Sound Trail
- CREEK
- Portion of Creek Surveyed by Lovell-Sauerland Assoc.
- Creek, Not Surveyed. Source: City of Bellevue GIS
- Concrete Bridge Abutment, both sides
- Wood Pedestrian Bridge
- Small Diameter Drainage Pipe Under Existing Path
- Surveyed Pipe Invert Elevations
- Corrugated Metal Pipe Arch Under Trail
- Rockery
- 18" MAPLE
- 22" CHESTNUT
- 15" ALDER
- 32" CEDAR
- 32" FIR
- Existing Pea Gravel Gathering Area w/ Timber Edging

Existing 50' stream buffer as shown on City of Bellevue GIS information

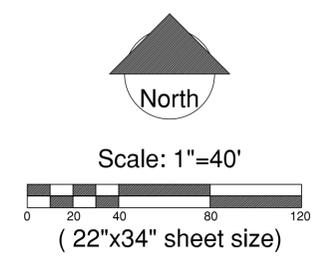
Existing stream as shown on City of Bellevue GIS information

Existing Mountains-to-Sound trail as shown on City of Bellevue GIS information

Portion of existing Mountains-to-Sound trail as surveyed by Lovell-Sauerland & Associates

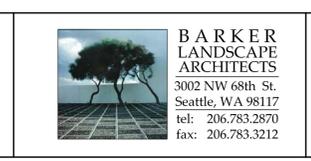
EXISTING CONDITIONS

Source: Lovell-Sauerland & Associates, Inc survey dated 6-4-12

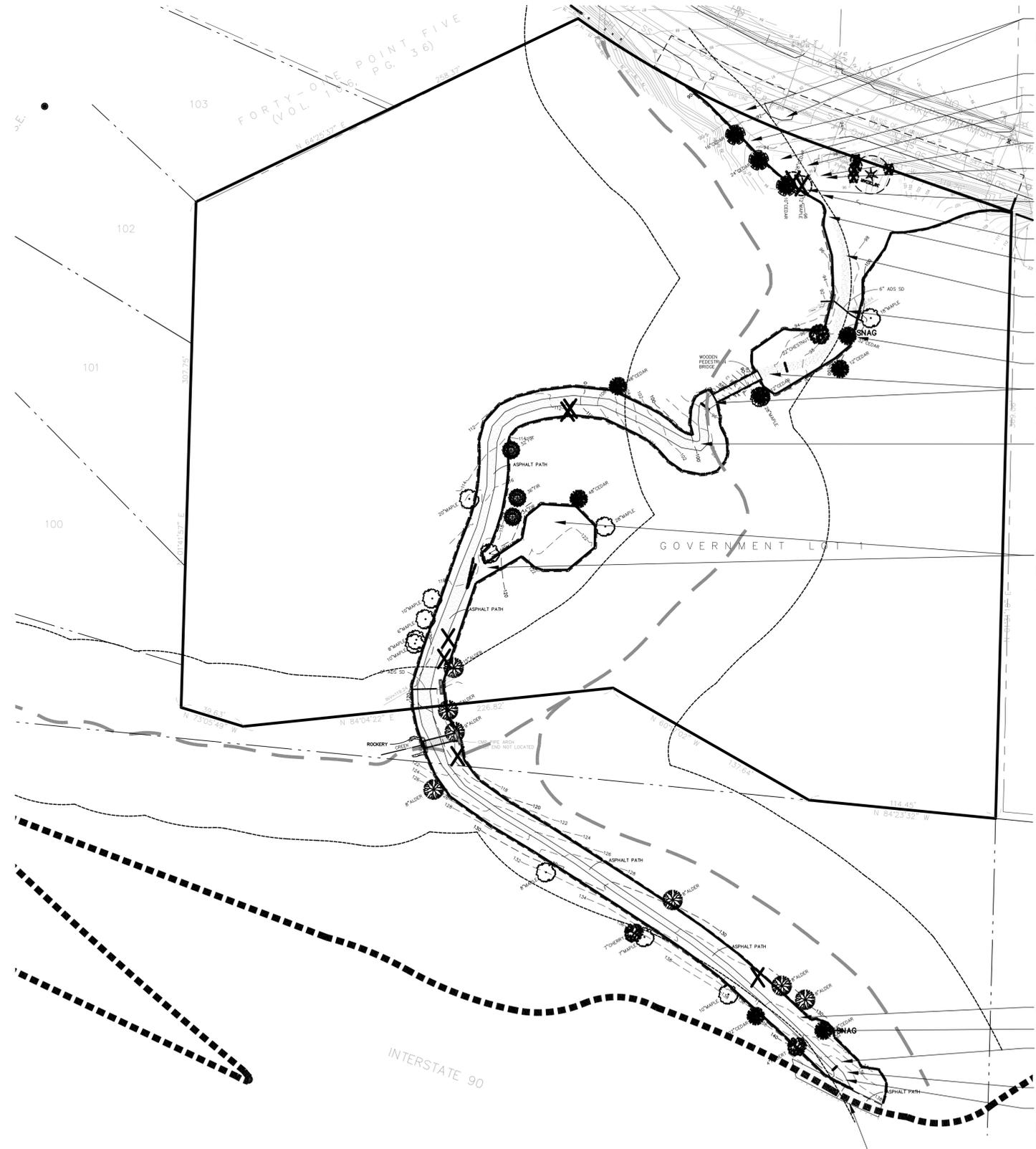


NO.	DATE	BY	APPR.	REVISIONS
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Sunrise Park Trail Project
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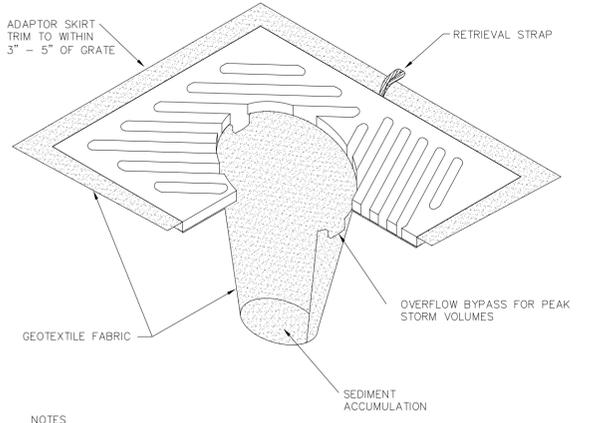
- Remove all portions of existing informal parking
- Remove existing guardrail
- Remove existing sign
- Existing asphalt to be removed
- Existing bollard to be removed
- Existing wood rail fence to be removed (both sides)
- Existing trash receptacle to be stockpiled for future use
- Existing fence to be removed
- Existing trail info sign to be stockpiled for future use
- Maintain existing asphalt path during construction
- Existing drainage pipe to be retained
- Existing tree to be turned into snag
- Cut existing asphalt back far enough to be able to provide smooth transition between existing footbridge and new asphalt
- Portion of existing asphalt trail to be removed
- Remove all portions of existing gathering area: Pea gravel, timber edging, asphalt path to area, and bench with concrete pad
- Existing trail info sign to be removed
- Existing tree to be turned into snag
- Grind/chip logs and brush. Spread out in work limits
- Existing bollard to be removed
- Cut existing asphalt back far enough to be able to provide smooth transition between existing Mts-to-Sound asphalt path
- Existing Mts-to-Sound Trail. Protect existing asphalt during construction

TEMPORARY EROSION & SEDIMENTATION CONTROL NOTES:

1. All clearing limits shall be visibly marked prior to clearing.
2. The constructed erosion control and sedimentation plan shall be approved by the City of Bellevue prior to performing any site grading or clearing.
3. The implementation of temporary erosion and sedimentation control (TESC) measures and the construction, maintenance, and replacement of these facilities is the responsibility of the contractor.
4. The TESC facilities must be constructed in conjunction with all construction activities and in such a manner as to ensure that sediment-laden water does not enter the creek.
5. The TESC facilities shall be inspected daily by the contractor and maintained as necessary or as directed by the engineer to ensure continuous functioning.
6. Stabilized construction entrances shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to insure that all paved areas are kept clean for the duration of the project.
7. All catch basins in the vicinity of construction shall be protected with filter fabric placed between the frame and grate or as directed by the engineer. Clean regularly: no more than 1 inch of sediment will be allowed to accumulate over filter fabric.
8. Any area stripped of vegetation where no further work is anticipated for a period of 15 days shall be immediately stabilized with approved TESC methods such as mulching, erosion blankets, plastic sheeting or as directed by the engineer.
9. All steep slope excavations greater than 2:1 shall be covered at the end of each working day.
10. All disturbed areas shall be covered with wood chip mulch and jute fabric per planting detail.
11. Any vegetation not in the construction area shall be left undisturbed
12. Field-verify location of existing trees.
13. The TESC facilities are the minimum requirements for anticipated site conditions. During the construction period, these TESC facilities shall be upgraded by contractor as directed by the engineer for unexpected storm events.
14. All storm drain facilities within the project boundary are to be cleared of sediment and debris prior to final acceptance of the project.
15. All significant existing trees to be protected and preserved. Tree protection fencing for all trees is not feasible due to site terrain / vegetation density.

TESC / DEMOLITION PLAN LEGEND

- Limit of Work/Limits of Clearing & Grading
- Existing Drainage Pipe and Invert Elevations
- Existing Topography, Typical
- Existing Gathering Area to be Removed. See notes this sheet
- Existing Asphalt Path to be Removed
- Existing Asphalt Path to be retained. To receive additional overlay and be expanded to 10' width
- 12" CEDAR SNAG Existing Tree to be Turned into Snag
- Existing Tree to be Retained
- Existing Tree to be Removed
- Existing Signs, Trash Receptacle, and Bollards. See specific notes this sheet
- New Straw Bale for TESC. Drive into ground with 2"x2" doug fir stakes
- Coir Log and Filter Fabric Fence. See detail this set
- Asphalt Cut



- NOTES
1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
 2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL.
 3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

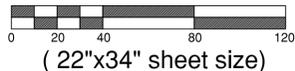
(A) CATCH BASIN INSERT
NTS

TESC / DEMO PLAN

Scale: 1" = 40'-0"



Scale: 1"=40'



(22"x34" sheet size)

NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

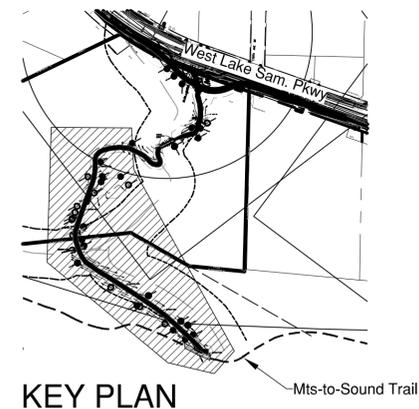
Approved By		JV,NM	08/10/12
TRANSPORTATION DESIGN MANAGER	DATE	DESIGNED BY	DATE
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City of Bellevue
 Transportation Department

BARKER LANDSCAPE ARCHITECTS
 3002 NW 68th St.
 Seattle, WA 98117
 tel: 206.783.2870
 fax: 206.783.3212

Sunrise Park Trail Project
West Lake Sammamish Pkwy SE
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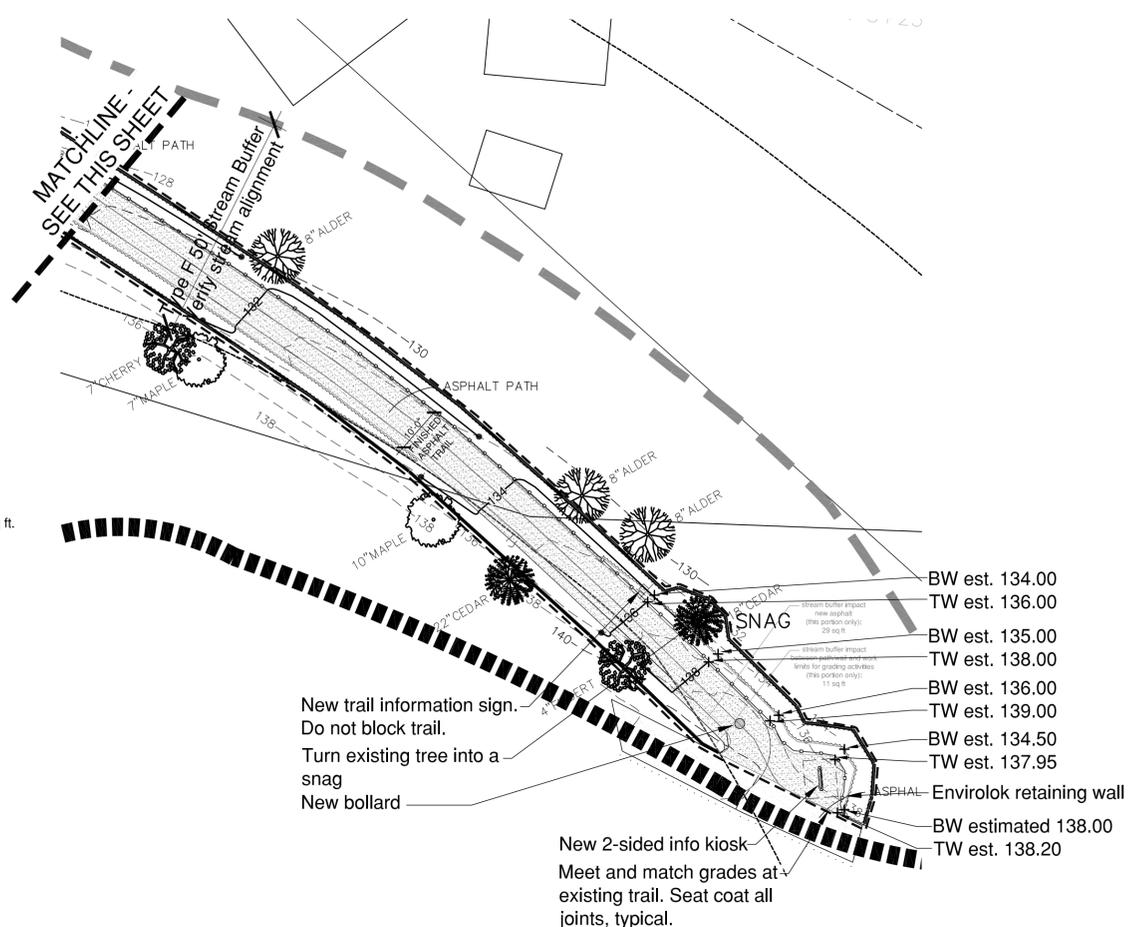
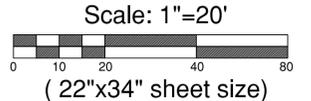
TESC/DEMO
 SHT 3 OF 9



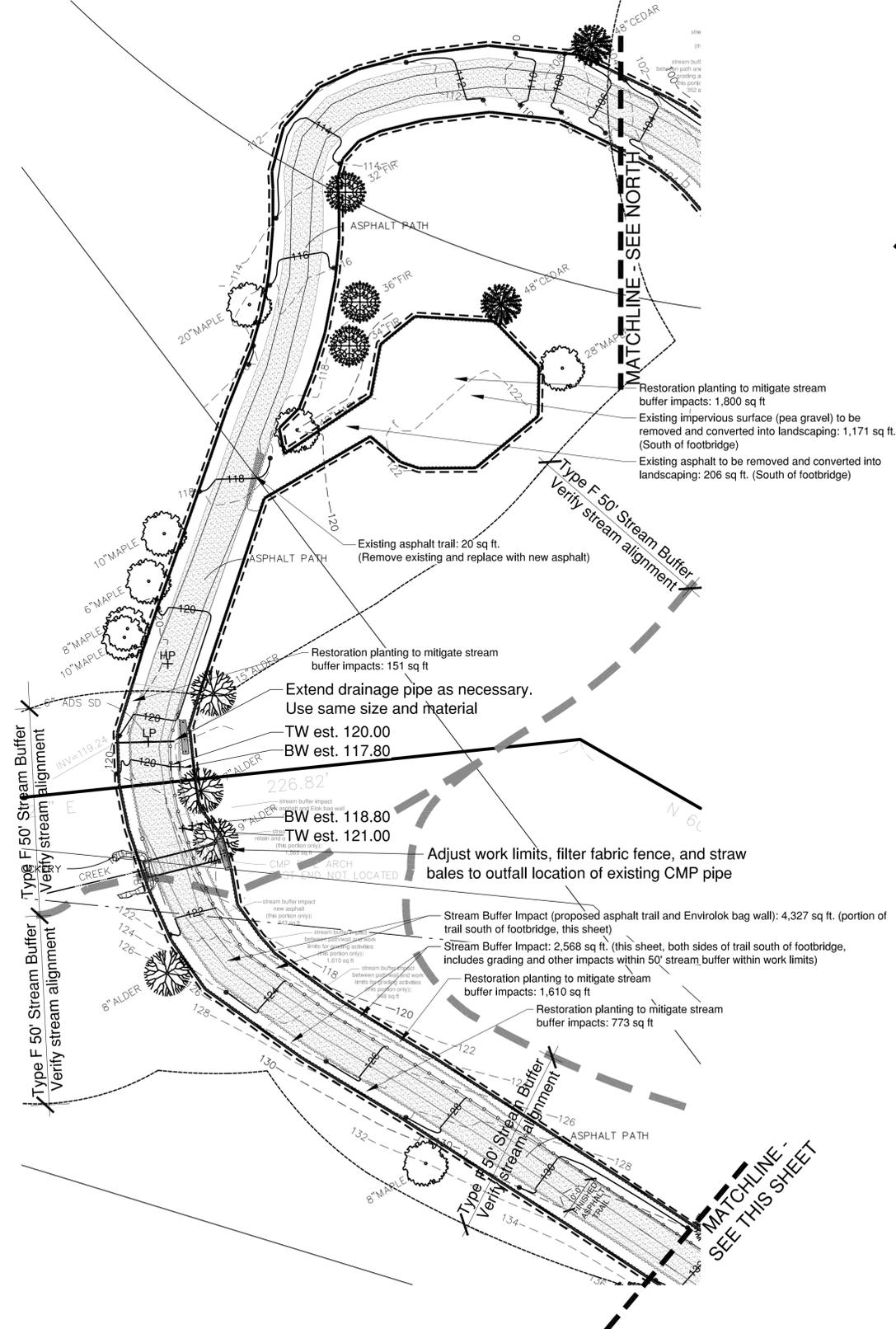
KEY PLAN

LAYOUT and GRADING PLAN LEGEND

- Limit of Work
- Station 01+60 Trail Alignment Station, Typical
- Proposed Contour
- New Railing
- Existing Tree Cut/Pruned into Snag as directed by Landscape Architect
- New Asphalt Trail Alignment, 10' Width throughout, excl. Footbridge. New asphalt overlay on top of existing, 10' width new asphalt
- Existing Asphalt Path. Width varies
- New Envirolok Wall. Heights vary
- New Trail Sign
- New Bollard
- Existing tree to be removed, typical. Evaluate possibility of turning tree into snag. See notes this sheet
- Vegetated Bioswale. Plant with native plants only. Arrows denote direction of flow
- Existing asphalt path and base material to be removed. Scarify existing soil and replant with native plants. Mulch top-dressing
- New 2-sided Information Kiosk
- High point
- Low point
- LP+ Estimated Top of wall. Field-verify prior to beginning work
- TW+ Estimated Bottom of wall. Field-verify prior to beginning work
- BW+ Estimated Bottom of wall. Field-verify prior to beginning work
- Existing Mts-to-Sound Trail



LAYOUT / GRADING PLAN - SOUTH SECTION



LAYOUT / GRADING PLAN - MIDDLE SECTION



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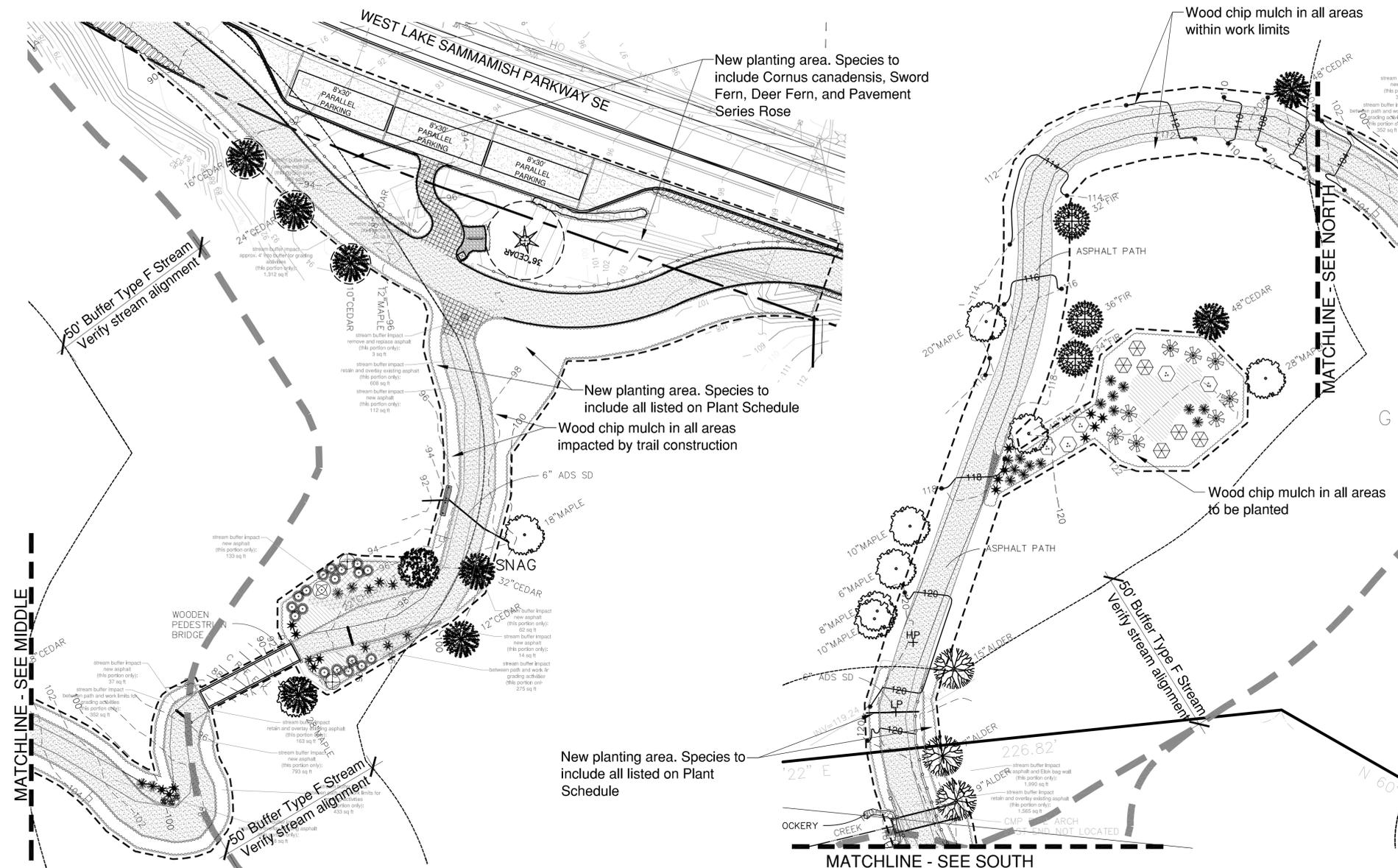
City of Bellevue
Transportation Department

BARKER LANDSCAPE ARCHITECTS
3002 NW 68th St.
Seattle, WA 98117
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Sunrise Park Trail Project
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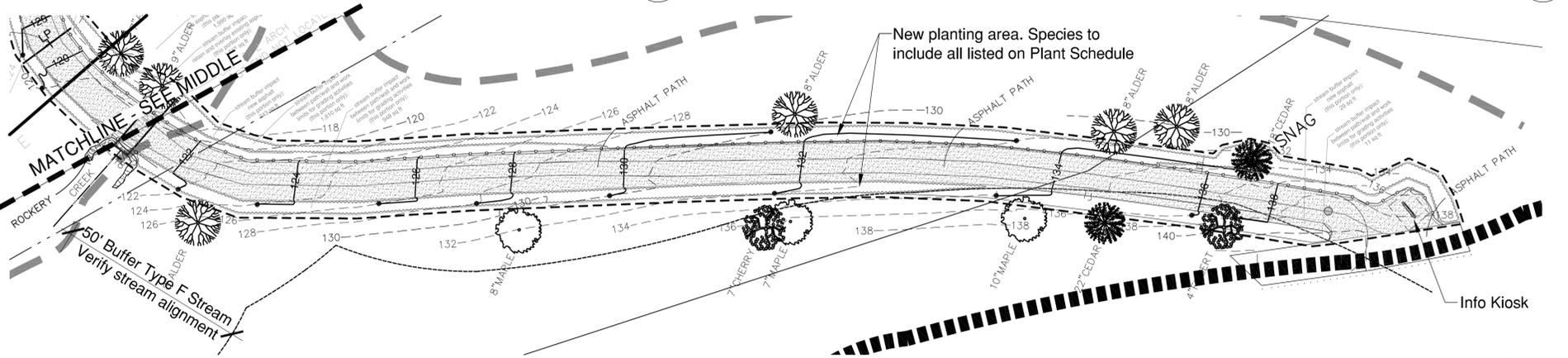
LAYOUT & GRADING

SHT 5 OF 9



PLANTING PLAN - NORTH SECTION

PLANTING PLAN - MIDDLE SECTION



PLANTING PLAN - SOUTH SECTION

GENERAL PLANTING NOTES:

1. Plant selection shall be consistent with the Bellevue Land Use Code, Section 20.20.520, Landscape Development.
2. Plants shall be selected and sited to produce a hardy and drought-resistant landscape area. Selection shall consider soil type and depth, the amount of maintenance required, spacing, exposure to sun and wind, the slope and contours of the site, and compatibility with existing native vegetation preserved on the site. Preservation of existing vegetation is strongly encouraged.
3. Prohibited materials. Plants listed as prohibited in the Bellevue Land Use Code are prohibited in required landscape areas. Additionally, there are other plants that may not be used if identified in Bellevue Land Use Code as potentially damaging to sidewalks, roads, underground utilities, drainage improvements, foundations, or when not provided with enough growing space.
4. All plants shall conform to American Association of Nurserymen (AAN) grades and standards as published in the "American Standard for Nursery Stock" manual.
5. Plants shall meet the minimum size standards established in other sections of Bellevue Land use Code, Section 20.20.520 Landscape Development.
6. Multiple-stemmed trees may be permitted as an option to single-stemmed trees for required landscaping provided that such multiple-stemmed trees are at least ten (10) feet in height and that they are approved by the Planning Official prior to installation.
7. Soils in planting areas shall have adequate porosity to allow root growth. Soils which have been compacted shall be loosened to increase aeration to a minimum depth of six (6) inches or to the depth of the largest plant root ball, whichever is greater. After soil preparation is completed, motorized vehicles shall be kept off to prevent excessive compaction and underground pipe damage. The organic content of soils in any landscape area shall be as necessary to provide adequate nutrient and moisture-retention levels for the establishment of plantings. See Bellevue Clearing and Grading Development Standards for mulch requirements.
8. Required plantings, except areas of established ground cover, shall be covered with three inches or more of wood chip mulch to minimize evaporation and runoff.
9. All mulches used in planter beds shall be kept at least six (6) inches away from the trunks of shrubs and trees.
10. All required landscaped areas, particularly trees and shrubs, must be protected from potential damage by adjacent uses and development, including parking and storage areas. Protective devices such as bollards, wheel stops, trunk guards, root guards, etc., may be required in some situations.

RESTORATION PLANT SCHEDULE

SHRUBS and PERENNIALS

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS	TOTAL QUANT.
⊕	Holodiscus discolor	Oceanspray	1-gallon	As shown		2
⊕	Symphoricarpos albus	Snowberry	1-gallon	As shown	-	6
⊕	Corylus cornuta	Beaked Hazelnut	1-gallon	As shown	-	1
✱	Polystichum munitum	Sword Fern	1-gallon	As shown	-	30
✱	Mahonia nervosa	Low Oregon Grape	1-gallon	As shown	-	19
⊕	Rosa gymnocarpa	Bald Hip Rose	1-gallon	As shown	-	18
✱	Vaccinium ovatum	Evergreen Huckleberry	1-gallon	As shown	-	9
⊕	Trillium ovatum	Western Trillium	1-gallon	As shown	-	3
⊕	Ribes sanguineum	Red Flowering Currant	1-gallon	As shown	-	6

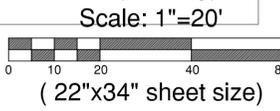
GROUNDCOVER

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS	TOTAL QUANT.
⊕	Oxalis oregana	Redwood Sorrel	4" pot	12" o.c.	tri-spacing, container	200
⊕	Gaultheria shallon	Salal	1 gallon	24" o.c.	tri-spacing, container	114
⊕	Dicentra formosa	Bleeding Heart	1 Gallon	18" o.c.	tri-spacing, container	40

LIVE STAKES

SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	REMARKS	TOTAL QUANT.
⊕	Rosa gymnocarpa	Baldhip Rose	6"-12"+ bare root	2 bare root/bag		x
⊕	Fragaria chiloensis	Dune Strawberry	4" pot	2 pots/bag		x
⊕	Holodiscus discolor	Oceanspray	6"-12"+ bare root	2 bare root/bag		x
⊕	Ribes sanguineum	Red Flowering Currant	6"-12"+ bare root	2 bare root/bag		x
⊕	Cornus sericea	Red Osier Dogwood	6"-12"+ bare root	2 bare root/bag		x
⊕	Lonicera involucrata	Twinberry	6"-12"+ bare root	2 bare root/bag		x

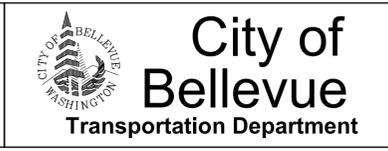
Bare root to be planted between Envirolok bag layers, two bare root per bag, approx. 12" on-center. Place bare root plant on bag prior to placing next layer of bag above. Contractor to verify quantity of live stakes necessary.



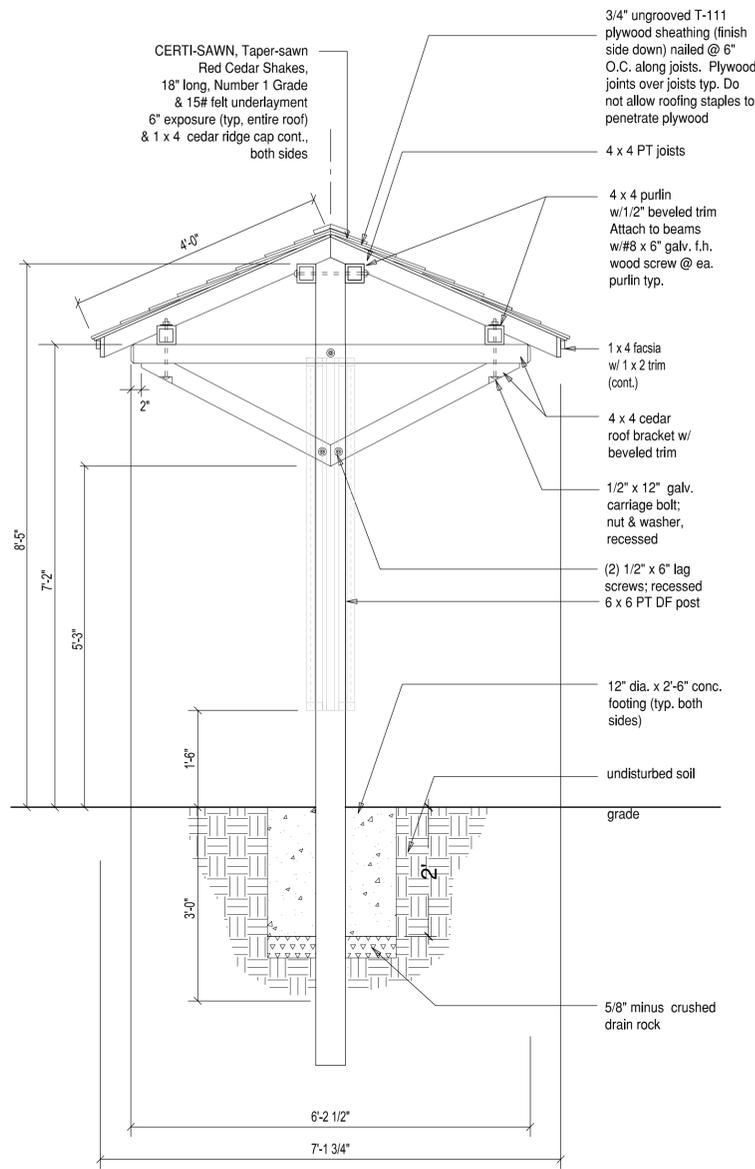
NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

Approved By

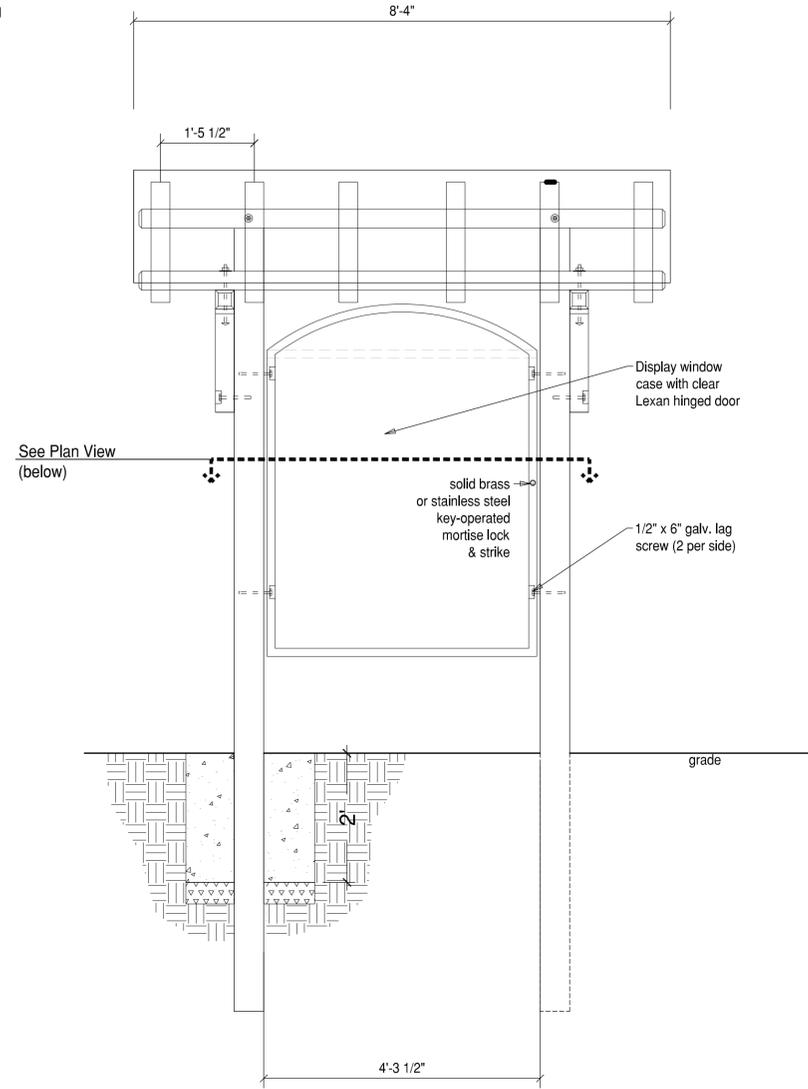
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PROJECT MANAGER	DATE	JV,NM DRAWN BY	08/10/12 DATE
	DATE	JB CHECKED BY	08/10/12 DATE



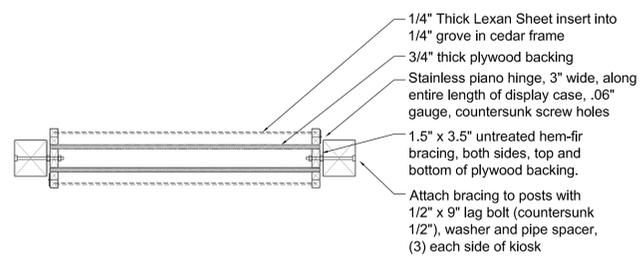
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West Lake Sammamish Pkwy SE
Bellevue, WA 98008



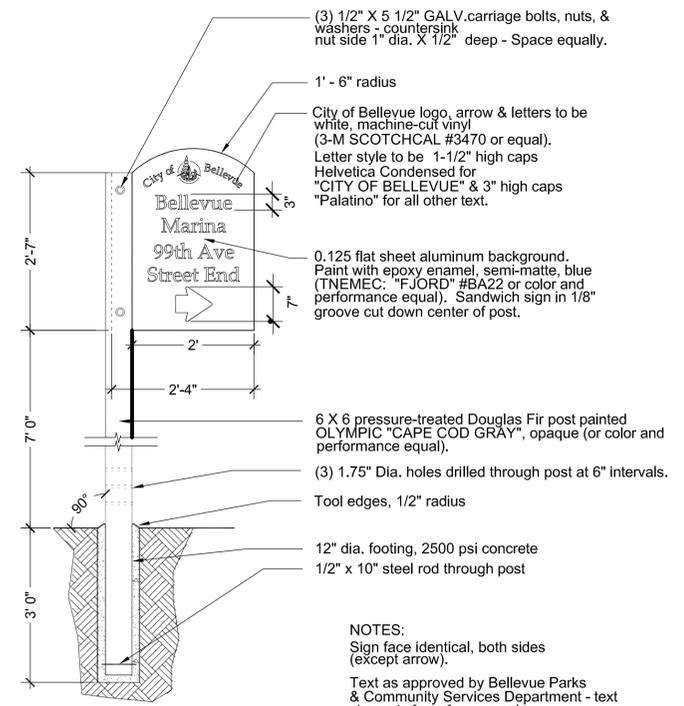
- CERTI-SAWN, Taper-sawn Red Cedar Shakes, 18" long, Number 1 Grade & 15# felt underlayment 6" exposure (typ. entire roof) & 1 x 4 cedar ridge cap cont., both sides
- 3/4" ungrooved T-111 plywood sheathing (finish side down) nailed @ 6" O.C. along joists. Plywood joints over joists typ. Do not allow roofing staples to penetrate plywood
- 4 x 4 PT joists
- 4 x 4 purlin w/1/2" beveled trim Attach to beams w/8 x 6" galv. f.h. wood screw @ ea. purlin typ.
- 1 x 4 fascia w/ 1 x 2 trim (cont.)
- 4 x 4 cedar roof bracket w/ beveled trim
- 1/2" x 12" galv. carriage bolt; nut & washer, recessed
- (2) 1/2" x 6" lag screws; recessed
- 6 x 6 PT DF post
- 12" dia. x 2'-6" conc. footing (typ. both sides)
- undisturbed soil
- grade
- 5/8" minus crushed drain rock



- 8'-4"
- 1'-5 1/2"
- Display window case with clear Lexan hinged door
- solid brass or stainless steel key-operated mortise lock & strike
- 1/2" x 6" galv. lag screw (2 per side)
- See Plan View (below)
- grade



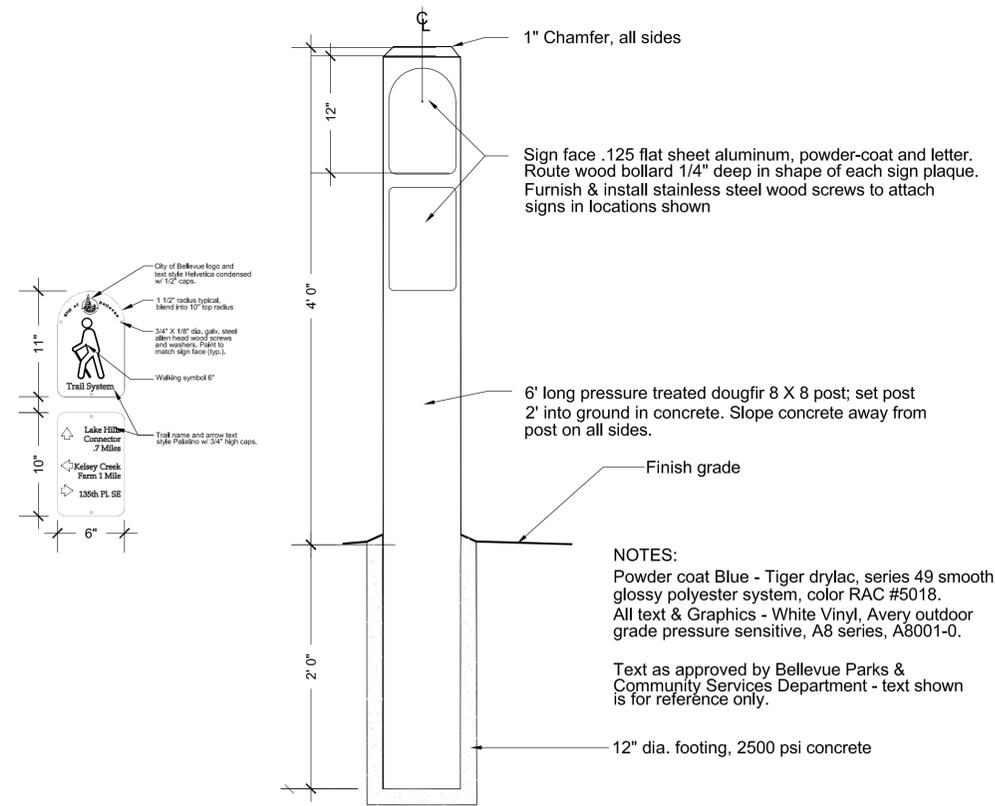
- 1/4" Thick Lexan Sheet insert into 1/4" groove in cedar frame
- 3/4" thick plywood backing
- Stainless piano hinge, 3" wide, along entire length of display case, .06" gauge, countersunk screw holes
- 1.5" x 3.5" untreated hem-fir bracing, both sides, top and bottom of plywood backing.
- Attach bracing to posts with 1/2" x 9" lag bolt (countersunk 1/2"), washer and pipe spacer, (3) each side of kiosk



- (3) 1/2" x 5 1/2" GALV. carriage bolts, nuts, & washers - countersunk nut side 1" dia. x 1/2" deep - Space equally.
- 1' - 6" radius
- City of Bellevue logo, arrow & letters to be white, machine-cut vinyl (3-M SCOTCHCAL #3470 or equal). Letter style to be 1-1/2" high caps Helvetica Condensed for "CITY OF BELLEVUE" & 3" high caps "Palatino" for all other text.
- 0.125 flat sheet aluminum background. Paint with epoxy enamel, semi-matte, blue (TNAMEC: "FJORD" #BA22 or color and performance equal). Sandwich sign in 1/8" groove cut down center of post.
- 6 X 6 pressure-treated Douglas Fir post painted OLYMPIC "CAPE COD GRAY", opaque (or color and performance equal).
- (3) 1.75" Dia. holes drilled through post at 6" intervals.
- Tool edges, 1/2" radius
- 12" dia. footing, 2500 psi concrete
- 1/2" x 10" steel rod through post

NOTES:
 Sign face identical, both sides (except arrow).
 Text as approved by Bellevue Parks & Community Services Department - text shown is for reference only.

B DIRECTIONAL SIGN
NTS



- 1" Chamfer, all sides
- Sign face .125 flat sheet aluminum, powder-coat and letter. Route wood bollard 1/4" deep in shape of each sign plaque. Furnish & install stainless steel wood screws to attach signs in locations shown
- 6' long pressure treated doug fir 8 X 8 post; set post 2' into ground in concrete. Slope concrete away from post on all sides.
- Finish grade
- 12" dia. footing, 2500 psi concrete

NOTES:
 Powder coat Blue - Tiger drylac, series 49 smooth glossy polyester system, color RAC #5018.
 All text & Graphics - White Vinyl, Avery outdoor grade pressure sensitive, A8 series, A8001-0.

Text as approved by Bellevue Parks & Community Services Department - text shown is for reference only.

C DIRECTIONAL SIGN - BOLLARD
NTS

A KIOSK SECTION & ELEVATION
NTS

NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

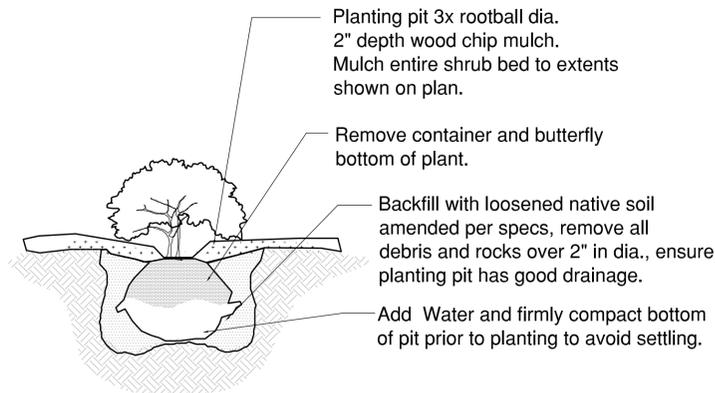
Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE


City of Bellevue
 Transportation Department

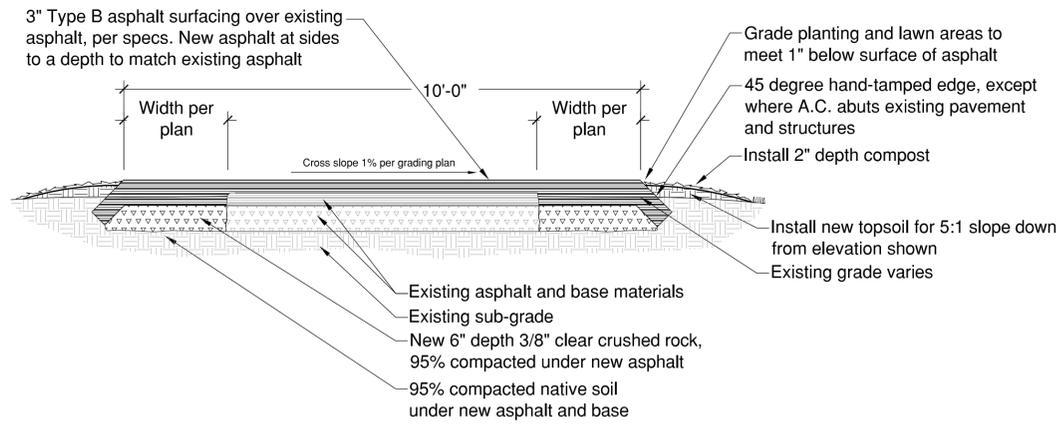

BARKER LANDSCAPE ARCHITECTS
 3002 NW 68th St.
 Seattle, WA 98117
 tel: 206.783.2870
 fax: 206.783.3212

Sunrise Park Trail Project
West Lake Sammamish Pkwy SE
Bellevue, WA 98008

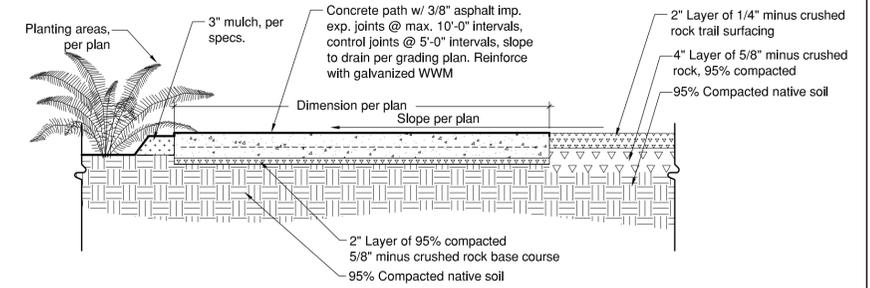
DETAILS
 SHT 7 OF 9



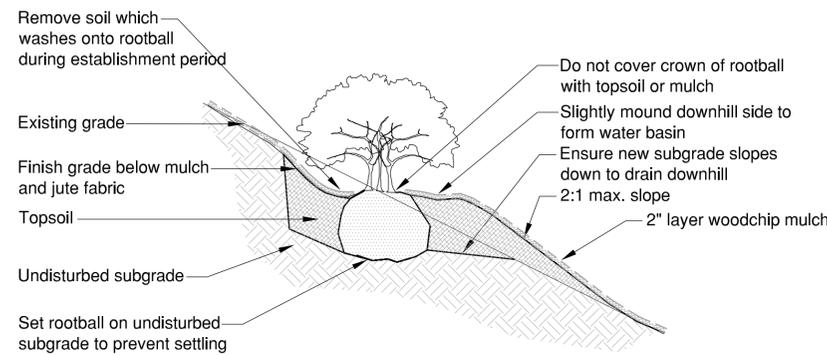
A SHRUB PLANTING
NTS



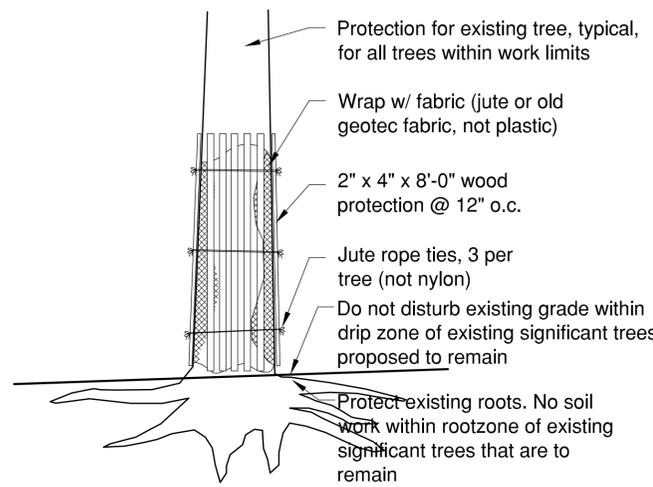
C NEW ASPHALT WALKWAY - OVERLAY ON EXISTING
NTS



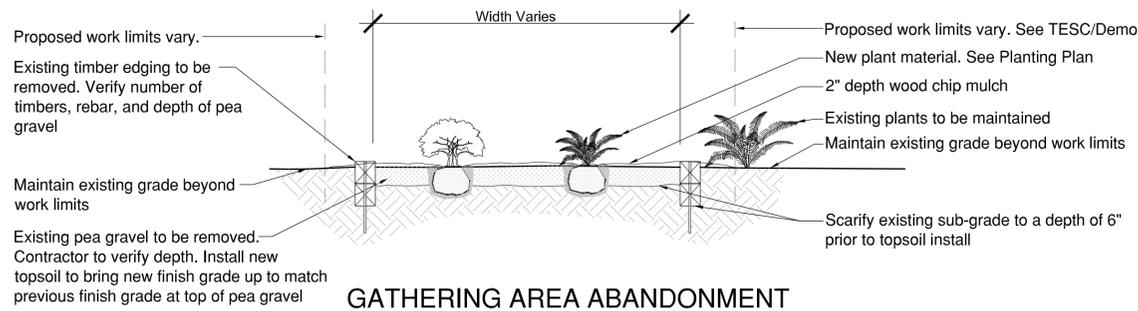
F BOMANITE/CRUSHED ROCK TRANSITION
NTS



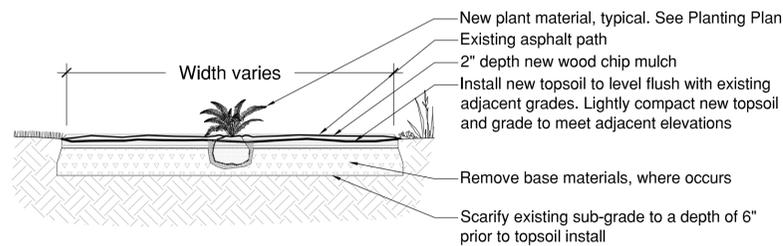
B HILLSIDE SHRUB and GROUND COVER PLANTING
NTS



D TREE PROTECTION
NTS

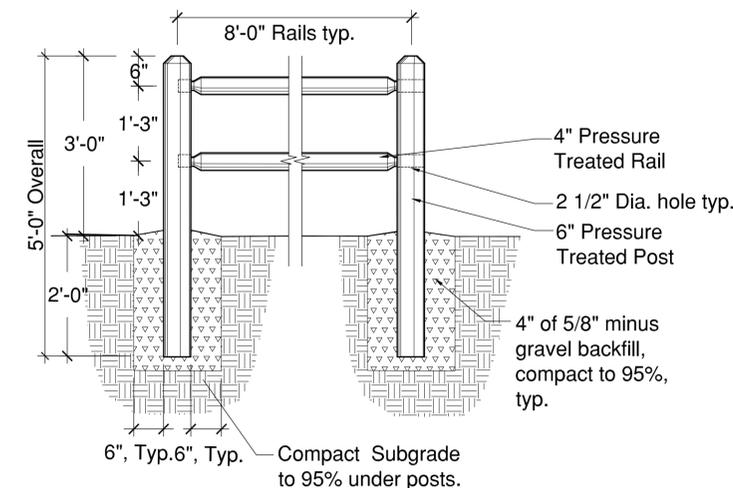


GATHERING AREA ABANDONMENT

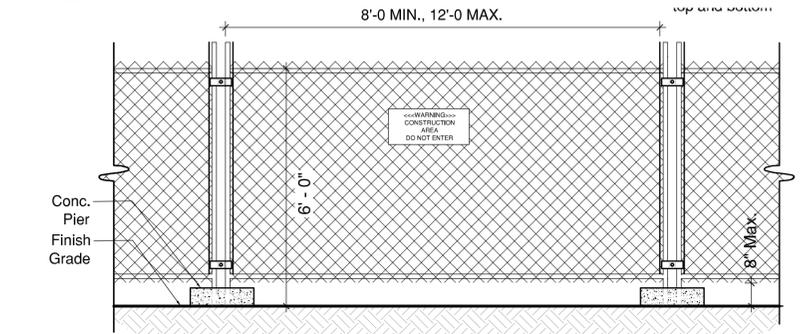


EXISTING ASPHALT TRAIL ABANDONMENT

C GATHERING AREA and EXISTING ASPHALT TRAIL ABANDONMENT
NTS

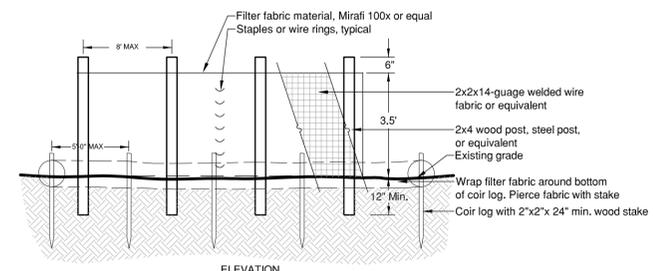
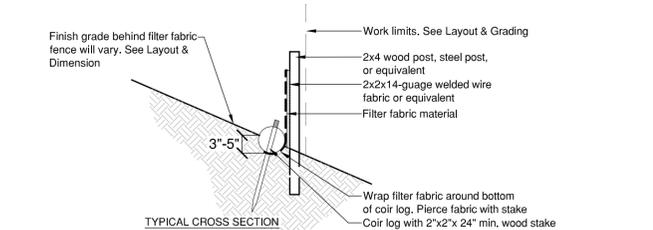


E SPLIT RAIL FENCE
NTS



- Notes:
1. Chain link fabric to be min. 11 gauge, galvanized. No rusted or excessively malformed fabric.
 2. Fence bases shall be of sufficient weight and/or spread to adequately support each panel.
 3. Panel-to-panel connections shall be made at a min. Two locations per connection unless otherwise approved.
 4. Provide construction warning signage 50' o.c. Along fencing installation.

G CONSTRUCTION FENCING
NTS



- NOTES
1. Prefab fence allowed if reinforced and approved by the city clearing and grading inspector.
 2. Fence shall not be installed on slopes steeper than 2:1.
 3. Joints in filter fabric shall be overlapped 6 inches at post.
 4. Use staples, wire rings, or equivalent to attach fabric to fence.
 5. Remove sediment when it reaches 1/3 fence height.
 6. Location of fencing shall be as shown on approved plans or as directed by the city.

H FILTER FABRIC FENCE and COIR LOG
NTS

NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

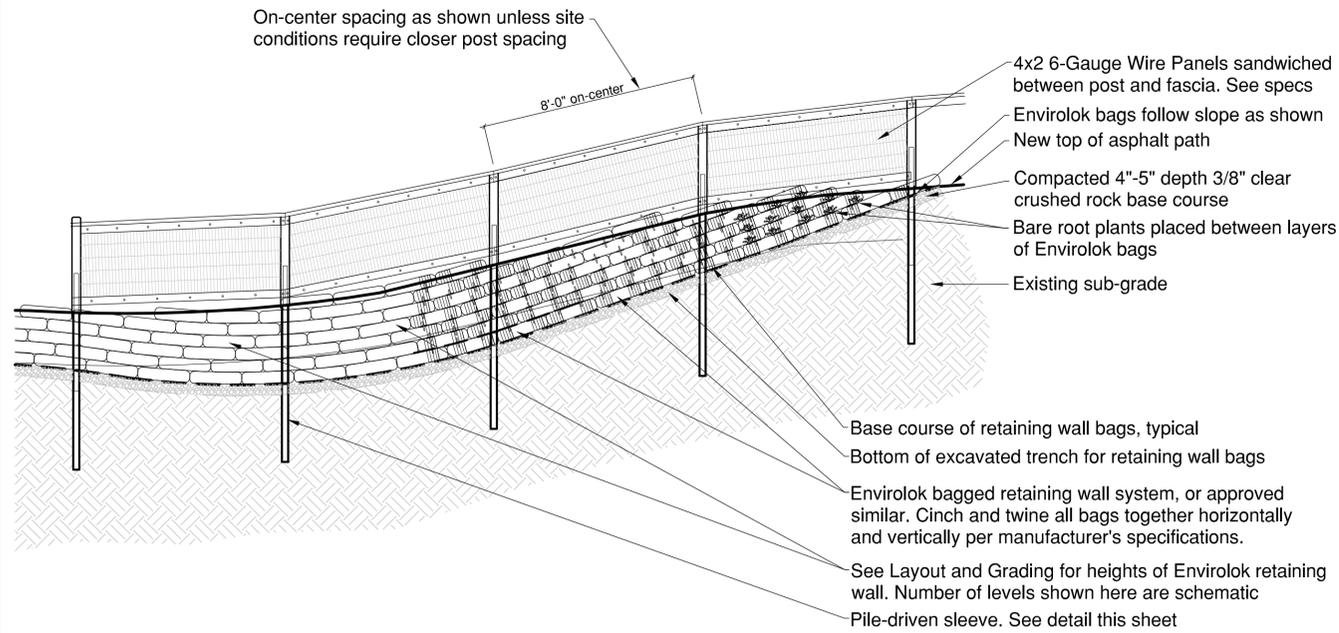
City of Bellevue
Transportation Department

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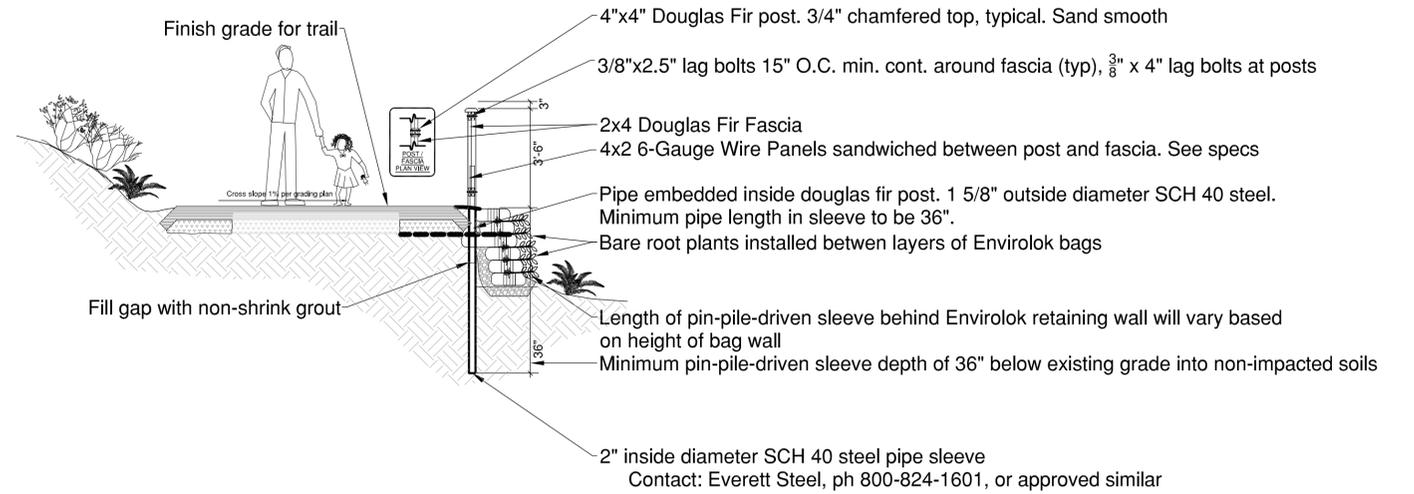
Sunrise Park Trail Project
West Lake Sammamish Pkwy SE
Bellevue, WA 98008

DETAILS

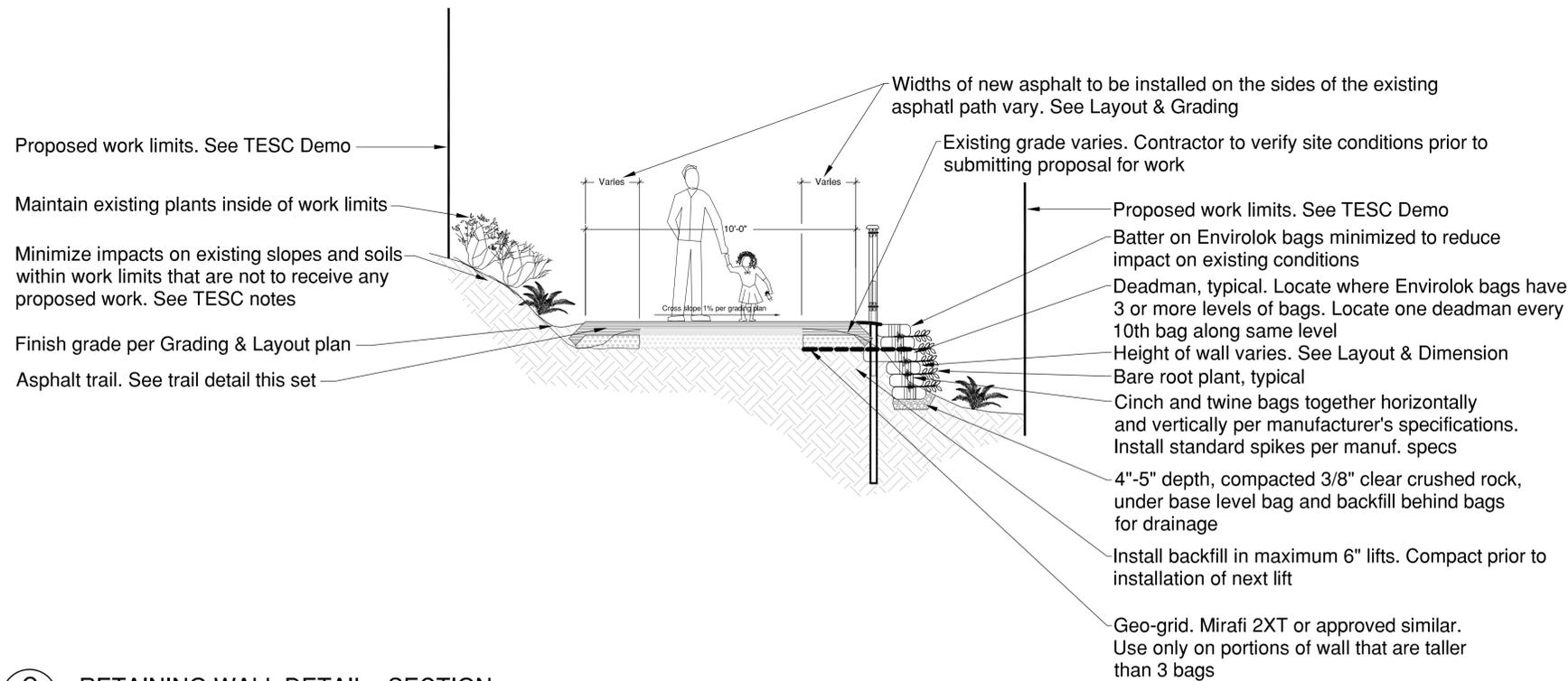
SHT 8 OF 9



A RETAINING WALL - ELEVATION
SCALE: NTS



B RETAINING WALL - POST & RAIL DETAIL
SCALE: NTS



C RETAINING WALL DETAIL - SECTION
SCALE: NTS

NO.	DATE	BY	APPR.	REVISIONS
1	3.27.13	JV	JB	REVISED SITE CALCULATIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

JV,NM	DESIGNED BY	08/10/12	DATE
JV,NM	DRAWN BY	08/10/12	DATE
JB	CHECKED BY	08/10/12	DATE



BARKER
LANDSCAPE
ARCHITECTS
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Sunrise Park Trail Project
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ENVIROLOK DETAILS

**Sunrise Park Trail Improvements
Critical Areas Land Use Permit
Narrative Description
April 4, 2013**

Description of the project site, including landscape features, existing development, and site history as applicable.

Response: The project site is primarily located within the existing Sunrise Park. The park property, approximately 4.48 acres in size, is located along West Lake Sammamish Parkway SE. A gravel parking area, which accommodates approximately 4 to 5 vehicles, is located directly adjacent to the roadway. The park includes an asphalt trail that extends from the parking area in a southerly direction, eventually extending off the park property into the Interstate 90 right-of-way and connecting with the Mountains-to-Sound Trail. The trail corridor includes a wooden footbridge with concrete abutments and a pea-gravel overlook. The trail shoulder areas (extending approximately two feet on either side of the trail) are typically compacted bare dirt. The City of Bellevue Parks and Community Services Department proposes to improve the trail corridor by widening the asphalt pavement to a width of 10 feet, removing the pea-gravel overlook, extending two small drainage pipes, installing an Envirolock bagged retaining wall system, adding new trail signage, and restoring disturbed and degraded areas with native plantings. Additional site improvements include a new parallel parking alignment, a new paved connection to the walkway along West Lake Sammamish Parkway SE, and two new kiosks.

The City of Bellevue owns the park parcel upon which the majority of improvements are proposed. The parcel is designated open space within the City. Single-family residences are located west and north of the site; the Sammamish Bible Camp is located east of the parcel and the Interstate 90 right-of-way is located south of the parcel. The subject site is relatively flat near West Lake Sammamish Parkway SE, but slopes upward to the south. Total elevation gain from the parking area to the Mountains-to-Sound Trail is approximately 55 feet. The site is primarily forested and includes a Type F stream, Sunrise Creek. The stream flows northward through a narrow valley with steep, predominantly vegetated banks. See the attached Stream Study for additional information on the stream.

As mentioned, the widened trail will represent an improved connection between West Lake Sammamish Parkway SE and the Mountains-to-Sound Trail. The Mountains-to-Sound Trail extends in an east-west orientation, providing access to multiple areas in both directions. Overall, the proposed project will provide increased recreational opportunities for the public.

Portions of proposed improvements will occur within the on-site stream buffer. However, improvements are primarily concentrated within the existing trail alignment and will mainly occur within the non-vegetated and compacted trail shoulder. Proposed native plantings within and outside of the buffer are expected to offset any minimal impact to the buffer and may result in a long-term ecological improvement.

A description of how the design constitutes the minimum necessary impact to the critical area.

Response: The design utilizes expansion of existing impacted areas. Direct impacts to the on-site critical area (Sunrise Creek) have been avoided. Impacts are limited to the stream buffer.

A description of why there is no feasible alternative with less impact to the critical area, critical area buffer, or critical area structure setback.

Response: There is no feasible alternative with less impact to the critical area buffer. The existing trail is in need of improvement, including widening to accommodate increased usage. With an existing trail already in place, locating a new wider trail elsewhere within the forested park could represent a greater ecological impact, with significant impacts to highly functioning native vegetation. Further, costs associated with a new trail alignment are disproportionate to the costs associated with improving the existing trail. Therefore, widening the trail in its present location is the only feasible alternative.

A description of alternatives considered and why the alternative selected is preferred.

Response: The project purpose is to provide an improved, wider trail for pedestrian use. As mentioned above, the only alternative to improving and widening the existing trail would be construction of a new trail alignment elsewhere in the forested park. Additional ecological impacts and disproportionate costs make this alternative non-viable.

A summary of how the proposal meets each of the decision criteria contained in Land Use Code Section 20.30P.

The Director may approve or approve with modifications an application for a Critical Areas Land Use Permit if:

A. The proposal obtains all other permits required by the Land Use Code.

Response: In addition to a Critical Areas Land Use Permit, the project applicant will apply for a Clearing and Grading Permit and Right-of-Way Use Permit from the City of Bellevue. No other City of Bellevue land use or construction permits will be required of this project.

B. The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer.

Response: The proposed project involves the improvement and widening of an existing pedestrian trail within Sunrise Park. Areas of vegetation enhancement will also occur. Trail width has been limited to the minimum necessary to meet projected demand, while also providing adequate safety for trail users.

Enhancement plantings are proposed in those areas along the trail corridor that are currently devoid of significant native vegetation. Plantings are also proposed in an existing gathering area currently covered in gravel and asphalt. Proposed plantings will help keep users on the trail, improve habitat complexity within and adjacent to the stream buffer, and help to filter and disperse stormwater runoff from the trail.

Therefore, through minimizing impacts within the buffer and restoring areas with native plantings, the design and development of the proposed project will not decrease ecological function of the project site, and may improve ecological function over the long-term. Furthermore, the public will have improved access to this area.

C. The proposal incorporates the performance standards of Part 20.25H LUC to the maximum extent applicable.

20.25H.055.C.3.g New and Expanded City and Public Parks

i. Trails. New nonmotorized trails within the critical area or critical area buffer must meet the following standards:

(A) Trail location and design shall result in the least impacts on the critical area or critical area buffer.

Response: Design of the proposed trail improvements will result in the least amount of critical area and critical areas buffer impacts possible. No direct stream impacts are proposed; impacts will take place only within the stream buffer. However, improvements are primarily concentrated within the existing trail alignment and will mainly occur within the non-vegetated and compacted trail shoulder. Proposed native plantings within and outside of the buffer are expected to offset any minimal impact to the buffer and may result in a long-term ecological improvement.

(B) Trails shall be designed to compliment and enhance the environmental, educational, and social functions and values of the critical area with trail design and construction focused on managing and controlling public access and limiting uncontrolled access.

Response: The proposed trail improvements have been designed to enhance several aspects of the critical area:

- 1) Environmentally, the critical area will be improved through implementation of a restoration plan that includes the planting of native species within the stream buffer. Overall, ecological function within the critical area will improve as a result of the proposed project.
- 2) Educational and social values of the critical area will also be improved as a result of the proposed project. In addition to improving the trail and enhancing the buffer, the proposed project includes new kiosks and several trail information signs. Therefore, the public would be provided with additional passive access opportunities, all while protecting the critical area and creating further awareness of the ecological sensitivity and uniqueness of the area.

(C) Trails shall be designed to avoid disturbance of significant trees and to limit disturbance of native understory vegetation.

Response: No existing significant trees are proposed for complete removal as part of the proposed project. Two trees, a 32-inch-diameter cedar and an 18-inch-diameter cedar, are partially located within the widened trail alignment and will be turned into snags. Remaining significant trees within the project corridor will be adequately protected

during construction activities. Areas of native shrubs and groundcover that are impacted during construction activities will be restored with native plantings after construction is complete.

(D) Trails shall be designed to avoid disturbance of habitat used for salmonid rearing or spawning or by any species of local importance.

Response: Salmonid use of Sunrise Creek has not been documented by Washington Department of Fish and Wildlife's SalmonScape database (WDFW 2013) and is not documented in the known freshwater distribution of salmon and trout in the Lake Washington/Cedar/Sammamish Watershed (WRIA 8 2001). According to Washington Department of Fish and Wildlife's PHS on the Web, no priority species or habitats are located in the immediate project area. Widening of the trail is also not expected to impact any species of local importance.

(E) The trail shall be the minimum width necessary to accommodate the intended function or objective.

Response: The proposed trail has been designed to have a width of approximately ten feet. The proposed width is intended to provide adequate and safe capacity for expected demand and is consistent with the width of connecting trails to the north and south of the project site.

(F) All work shall be consistent with the City of Bellevue's "Environmental Best Management Practices" and all applicable City of Bellevue codes and standards, now or as hereafter amended.

Response: All trail-improvement work shall be consistent with the City of Bellevue Clearing and Grading Code (Chapter 23.76), permit conditions, and all other applicable codes, ordinances, and standards, including "Environmental Best Management Practices."

(G) The facility shall not significantly change or diminish overall aquatic area flow peaks, duration or volume or flood storage capacity, or hydroperiod.

Response: All portions of the proposed improvements will be located outside the limits of the on-site stream. Overall, there will be no change in flow peaks or storage capacity within the stream channel.

(H) Where feasible and consistent with any accessibility requirements, any trail shall be constructed of pervious materials.

Response: The existing on-site trail is currently made of asphalt. The proposed project includes the addition of a new layer of asphalt on the trail and adding additional asphalt in some areas to achieve a finished width of ten feet; therefore, the existing underlying trail will inhibit any percolating drainage benefits of pervious material. The purpose of the asphalt trail is to provide a durable, hard surface to accommodate the expected level of demand. Additionally, connecting trails to the north and south of the project site are made of asphalt. Therefore, in order to provide a consistent surface through the project area, asphalt has been utilized.

(I) Crossings over and penetrations into wetlands and streams shall be generally perpendicular to the critical area, and shall be accomplished by bridging or other technique designed to minimize critical area disturbance considering the entire trail segment and function.

Response: No new crossing of the on-site stream is proposed. The existing bridge that crosses the stream will remain in place. Proposed improvements will result in a widened trail on either side of the bridge; however, as mentioned, no new crossing is proposed.

(J) Areas of new permanent disturbance and all areas of temporary disturbance shall be mitigated and/or restored pursuant to a mitigation and restoration plan meeting the requirements of LUC 20.25H.210.

Response: The project includes approximately 9,600 square feet of stream buffer enhancement and restoration. These actions are included in a plan developed in accordance with LUC 20.25H.210.

D. The proposal will be served by adequate public facilities including streets, fire protection, and utilities.

Response: The proposed project will be served by adequate public facilities. No additional public facilities will be required with implementation of the proposed project.

E. The proposal includes a mitigation or restoration plan consistent with the requirements of LUC 20.25H.210; except that a proposal to modify or remove vegetation

pursuant to an approved Vegetation Management Plan under LUC 20.25H.055.C.3.i shall not require a mitigation or restoration plan.

Response: A restoration plan has been prepared in accordance with the requirements of LUC 20.25H.210.

F. The proposal complies with other applicable requirements of this code.

Response: The proposed project complies with all other applicable City of Bellevue Land Use Codes, including 20.25H and 23.76.

A summary of how the proposal meets each of the criteria and performance standards contained in Land Use Code Section 20.25H associated with the critical area you are modifying.

Development on sites with a Type S or F stream or associated critical area buffer shall incorporate the following performance standards in design of the development, as applicable:

1. Lights shall be directed away from the stream.

Response: No lights are proposed as part of the trail improvement project.

2. Activity that generates noise such as parking lots, generators, and residential uses, shall be located away from the stream, or any noise shall be minimized through use of design and insulation techniques.

Response: The proposed project will not generate any significant amounts of noise. The only new noise generated within the project area would be passing pedestrians, bicycles, strollers, etc.

3. Toxic runoff from new impervious area shall be routed away from the stream.

Response: Proposed impervious surfaces are not considered to be “pollution generating,” and therefore, no treatment is required. However, runoff from the trail will be dispersed within a vegetated buffer.

4. *Treated water may be allowed to enter the stream critical area buffer.*

Response: As indicated in the prior response, stormwater runoff will be dispersed within a vegetated buffer, some of which will occur within the on-site stream buffer.

5. *The outer edge of the stream critical area buffer shall be planted with dense vegetation to limit pet or human use.*

Response: An enhancement plan has been prepared that details the areas proposed for enhancement. Specifically, dense, native vegetation will be planted within those portions of the stream buffer not already vegetated with native species. Native species proposed for planting within the buffer include oceanspray, snowberry, beaked hazelnut, sword fern, low Oregon grape, bald hip rose, evergreen huckleberry, western trillium, red flowering currant, redwood sorrel, salal, and bleeding heart.

6. *Use of pesticides, insecticides and fertilizers within 150 feet of the edge of the stream buffer shall be in accordance with the City of Bellevue's "Environmental Best Management Practices," now or as hereafter amended. (Ord. 5680, 6-26-06, § 3)*

Response: All enhancement and restoration activities associated with the trail improvement project, including pesticide, insecticide and fertilizer usage, will be in compliance with the City of Bellevue's "Environmental Best Management Practices."

8 March 2013

Geoff Bradley
City of Bellevue
Parks and Community Services Department
450 110th Ave SE
Bellevue, WA 98004
Via email: gbradley@bellevuewa.gov

Re: Sunrise Park Trail Improvement – Stream Study

The Watershed Company Reference Number: 130213

Dear Geoff:

The purpose of this letter is to describe the existing conditions within the proposed project area for the Sunrise Park Trail Improvement project and likely impacts of the proposed project on Sunrise Creek and the Sunrise Creek buffer. Observations are based on available project plans and a February 25, 2013 site visit by Sarah Sandstrom, Fisheries Biologist, and Mark Garff, Senior Landscape Architect of The Watershed Company.

Existing facilities within or partially within the 50-foot stream buffer include a gravel parking area, which accommodates approximately 4-5 vehicles (Photo 1), a paved asphalt trail (Photo 2), and a wooden footbridge with a concrete abutment (Photo 3). An overlook, consisting of pea gravel is located just outside of the stream buffer (Photo 4). The trail shoulder areas (extending approximately two feet on either side of the trail) are typically compacted bare dirt (Photo 2). Vegetation at the site is forested, with shrub and herbaceous strata. Forested vegetation is dominated by western red cedar (*Thuja plicata*), bigleaf maple (*Acer macrophyllum*), black cottonwood (*Populus balsamifera*), and Douglas fir (*Pseudotsuga menziesii*). Dominant shrubs include salmonberry (*Rubus spectabilis*), osoberry (*Oemleria cerasiformis*), red huckleberry (*Vaccinium parvifolium*), and beaked hazelnut (*Corylus cornuta*). Herbaceous vegetation is predominantly sword fern (*Polystichum munitum*). Himalayan blackberry (*Rubus armeniacus*) is present and locally dominant in places.

Sunrise Creek flows through a narrow valley with steep, predominantly vegetated banks (Photo 5). Undercut banks are present in the central portion of the project area, downstream from the confluence of Sunrise Creek and a tributary (Photo 6). Large wood is present in moderate densities within the bankful width of the stream (Photo 7). Stream substrate is predominantly composed of gravel and cobble within the project

vicinity. Rip rap boulders are present at the base of the wooden footbridge. Two seeps are present within the project area that flow through 6-inch culverts under the paved trail. Erosion on the lower (west) side of the trail indicates that the seeps are flowing over the trail under wet conditions (Photo 8).

Salmonid use of Sunrise Creek has not been documented by Washington Department of Fish and Wildlife's SalmonScape database (WDFW 2013) and is not documented in the known freshwater distribution of salmon and trout in the Lake Washington/ Cedar/ Sammamish Watershed (WRIA 8 2001). Given the perennial nature of the stream, and its proximity to Lake Sammamish, fish use of the stream is assumed.

No direct stream impacts are proposed. The proposed project will involve the following impacts that will occur within the stream buffer: Paved parking area, creation of a new paved trail near West Lake Sammamish Parkway, widening of the existing paved trail through the park, installation of an Envirolok retaining wall, and vegetation removal to accommodate new parking and trails. Removal of vegetation will primarily occur in the area of the new trail along West Lake Sammamish Parkway. Throughout the remainder of the park, the shoulders of the existing trail are compacted and lack significant vegetation, with the exception of one large cedar, which occurs very close to the trail. This cedar will be topped to create a snag for bird habitat. Proposed mitigation planting areas are located in existing bare areas within and outside of the buffer, including one informal path along the creek and an existing pea-gravel overlook just outside of the buffer. Mitigation plantings within the buffer will provide vegetative cover, stabilize banks, and help infiltrate and treat stormwater. Mitigation plantings outside of the buffer area will improve the wildlife habitat corridor within the park.

The Envirolok wall is proposed at the east side of the footbridge and just upstream of the confluence of the two creeks. The Envirolok wall is intended to stabilize slopes sufficiently to enable the permanent establishment of native vegetation along the streambanks in areas that occur in close proximity to trail infrastructure. The Envirolok wall provides a soft stabilization approach, and is preferred over other hard structural stabilization alternatives.

When combined with proposed mitigation, the proposed park improvements are not expected to result in a degradation of stream functions or values. Improvements are primarily concentrated within an existing trail alignment and will mainly occur within the non-vegetated and compacted trail shoulder. Proposed native plantings within and outside of the buffer should be expected to offset any minimal impact to the buffer and may result in a long-term ecological improvement.

Please call if you have any questions or if we can provide you with any additional information.

Sincerely,



Sarah Sandstrom

References

Washington Department of Fish and Wildlife (WDFW). 2013. SalmonScape.
<http://wdfw.wa.gov/mapping/salmonscape/index.html>.

Water Resource Inventory Area (WRIA) 8. 2013. Known Freshwater Distribution of
Salmon and Trout in Water Resource Area 8.
<http://www.govlink.org/watersheds/8/reports/fish-maps/default.aspx>

Photos



Photo 1: Existing gravel parking area.

MEMORANDUM



Date: April 4, 2013
To: Geoff Bradley, City of Bellevue
From: Mark Garff, PLA, Senior Landscape Architect
Kenny Booth, AICP, Associate Planner
Project Number: 130213
Project Name: Sunrise Park Trail Project

Subject: Sunrise Park Trail Project – Stormwater Compliance Documentation

The purpose of this memorandum is to summarize impervious surface aspects of the above mentioned project and document compliance with existing City of Bellevue stormwater regulations. As described on the project plans and in supporting documentation, the project includes the overlay and widening of an existing asphalt trail within Sunrise Park. A summary of proposed impervious calculations is presented below.

Key	Component	Value	Notes
A	Project Site Area	30,482 SF	Entire parcel is 195,149 SF
B	Existing Impervious Area	7,923 SF	Existing trailhead /parking plus existing asphalt trail
C	Existing Impervious Coverage	26%	Calculated as B/A * 100%
D	New Impervious Area	4,557 SF	Trail north and south of footbridge widened to 10'.
E	Replaced Impervious Area	0 SF	
F	New Plus Replaced Impervious Area	4,557 SF	Calculated as D+E
G	Proposed Impervious Area	10,921 SF	Calculated as B+F- 1,559 SF impervious surface converted to pervious
H	Converted pervious: Native vegetation converted to lawn or landscape	0 SF	N/A
I	Converted pervious: Native vegetation converted to pasture	0 SF	N/A
J	Total Area of Land Disturbing Activity	4,557 SF	

The City of Bellevue regulates new or replaced impervious surfaces through the Storm and Surface Water Utility Code (Chapter 24.06 of the Bellevue Utilities Code [UC]). UC 24.06.065.F establishes the thresholds under which stormwater management is required for redevelopment activities. Provision 2 of this subsection requires compliance with Minimum Requirements (MRs) 1 through 5 as described in UC 24.06.065.G for projects that result in new or replaced impervious surfaces of greater than 2,000 square feet. As described in the table above, the proposed project exceeds 2,000 square feet of new impervious surface. Therefore, per Provision 2, compliance with MRs 1 through 5 is required. Compliance with each MR is documented below.

MR1. Preparation of Stormwater Site Plans (MR1). The property owner or his/her agent or contractor thereof shall provide a stormwater site plan for all projects meeting the threshold requirements contained in this section. The stormwater site plan shall be prepared in accordance with Chapter 3 of Volume 1 of the Stormwater Management Manual for Western Washington (2005);

Response: A stormwater drainage memo has been developed for the project. In addition, a Temporary Erosion and Sedimentation Control (TESC) Plan has been prepared and can be seen on Sheet 3 of the project plans. The TESC plan calls for the use of straw bales, coir logs, and filter fabric during construction. TESC measures will help to ensure that silt laden water does not reach the on-site stream.

MR2. Construction Stormwater Pollution Prevention Plan (SWPPP) (MR2). The regulations associated with this minimum regulation are contained in the clearing and grading code, located at Chapter [23.76](#) BCC;

Response: A CSWPPP – Long Form has been completed and is being submitted concurrently with this memo.

MR3. Source Control of Pollution (MR3). All known, available and reasonable source control BMPs shall be required for all projects approved by the director or his designee. Source control BMPs shall be selected, designed, and maintained in accordance with Volume IV of the Stormwater Management Manual for Western Washington (2005);

Response: Source control BMPs have been identified in the SWPPP and on the plans. Additional operational source controls include an on-site CESCL to oversee the CSWPPP, inspections and recordkeeping of all BMPs, proper storage of potential pollutant materials, secondary containment as necessary of operational equipment, and cleaning of site and BMPs as necessary to reduce chances of pollutant discharge. Additional materials will be on hand for adaptive BMP management as necessary.

MR4. Preservation of Natural Drainage Systems and Outfalls (MR4). Natural drainage patterns shall be maintained, and discharges from the site shall occur at the natural location, to the maximum extent practicable. The manner by which runoff is discharged from the site shall not cause a significant adverse impact to downstream receiving waters and down gradient properties. All outfalls require energy dissipation;

Response: Proposed trail improvements are not expected to alter natural drainage patterns and runoff will occur at natural locations. No new outfalls are proposed.

MR5. On-Site Stormwater Management (MR5). On-site stormwater management BMPs to infiltrate, disperse, and retain stormwater runoff on site are required where feasible, without causing flooding or erosion impacts. Roof downspout control BMPs, functionally equivalent to those described in Chapter 3 of Volume III of the Stormwater Management Manual for Western Washington (2005) and dispersion and soil quality BMPs, functionally equivalent to those in Chapter 5 of Volume V of the Stormwater Management Manual for Western Washington (2005), shall be required to reduce the hydrologic disruption of developed sites;

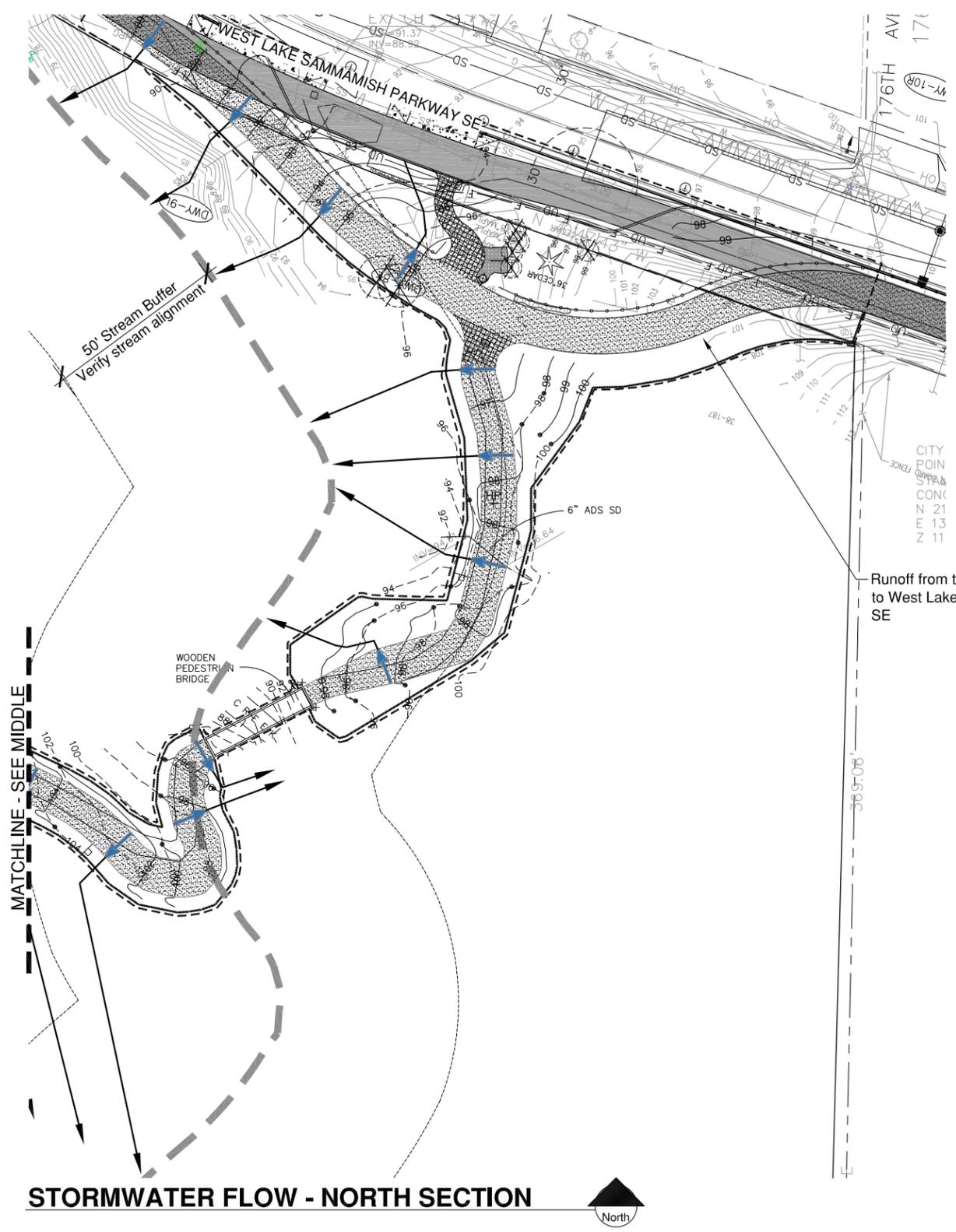
Response: The following Tier One on-site stormwater management BMPs will be utilized to minimize the amount of stormwater runoff generated by the project:

- Dispersion of runoff into adjacent native park open space will be employed.
- Existing vegetation in the adjacent native areas will be preserved.
- Amended soils, mulching, and native plantings will allow for greater infiltration and reduce runoff.

This park is owned and managed by the Parks Department Natural Resource Division as an open space park, and is further protected by the COB Critical Area Ordinance from development. The tract contains no septic systems.

In addition, in regard to Tier Two BMPs, sheet flow dispersion into adjacent native areas complies with Bellevue SWES D6-03.G and BMP T5.12 for Sheet Flow Dispersion and BMP T5.13 from the Clearing and Grading Development Standards for Post Construction Soil Quality and Depth.

Finally, in compliance with BMP T5.30 from Volume V of Ecology's Stormwater Management Manual for Western Washington, the proposal will retain 74 percent of the project site in a native condition and total effective impervious surfaces (10,921 SF) represent 5.6 percent of the entire parcel.

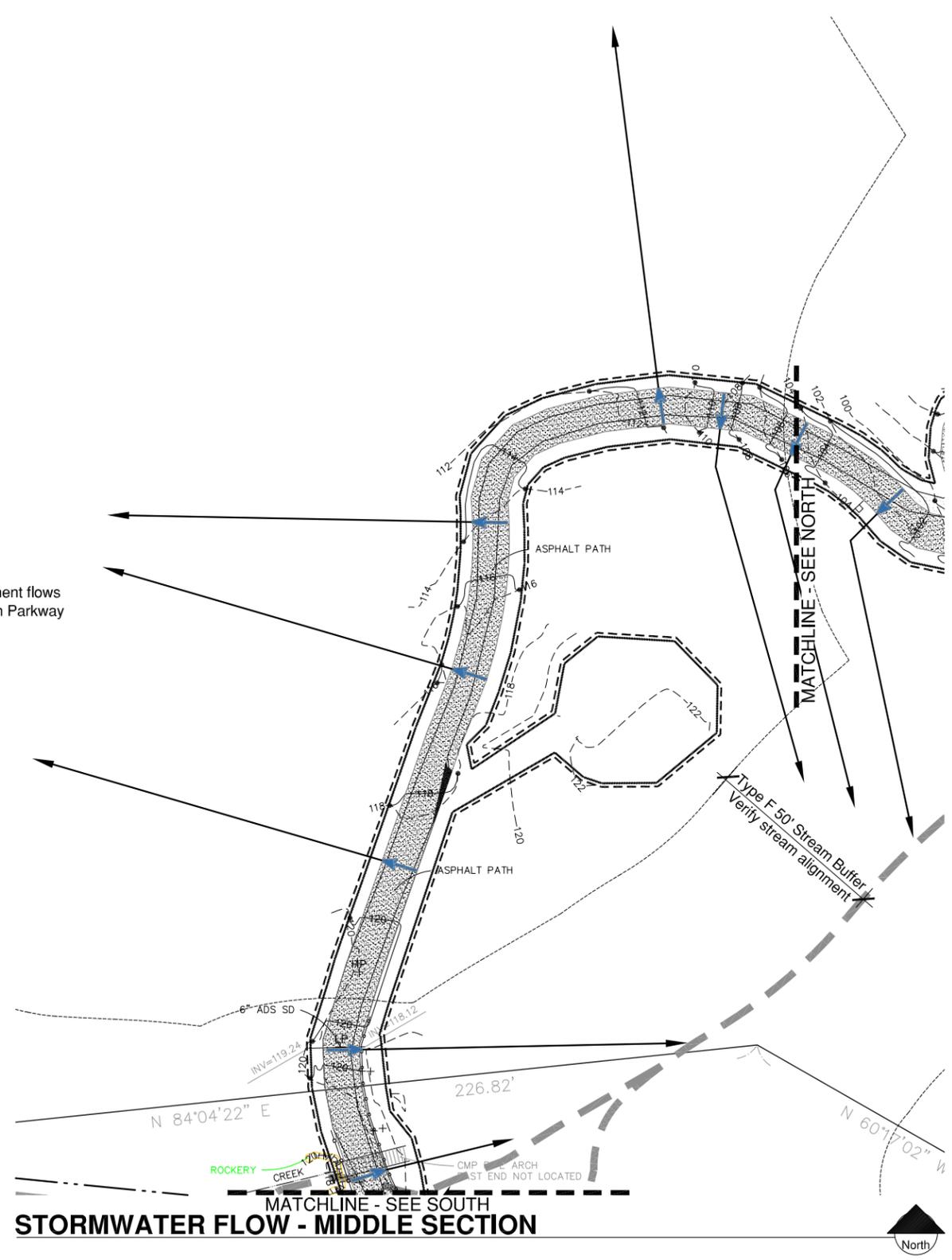


STORMWATER FLOW - NORTH SECTION

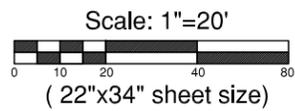
LEGEND

- STORMWATER FLOW DIRECTION
- VEGETATED DISPERSION AREA

Runoff from this trail segment flows to West Lake Sammamish Parkway SE



STORMWATER FLOW - MIDDLE SECTION



SUNRISE PARK TRAIL
STORMWATER FLOW DIRECTION

WEST LAKE SAMMAMISH PARKWAY SE
BELLEVUE, WA 98008

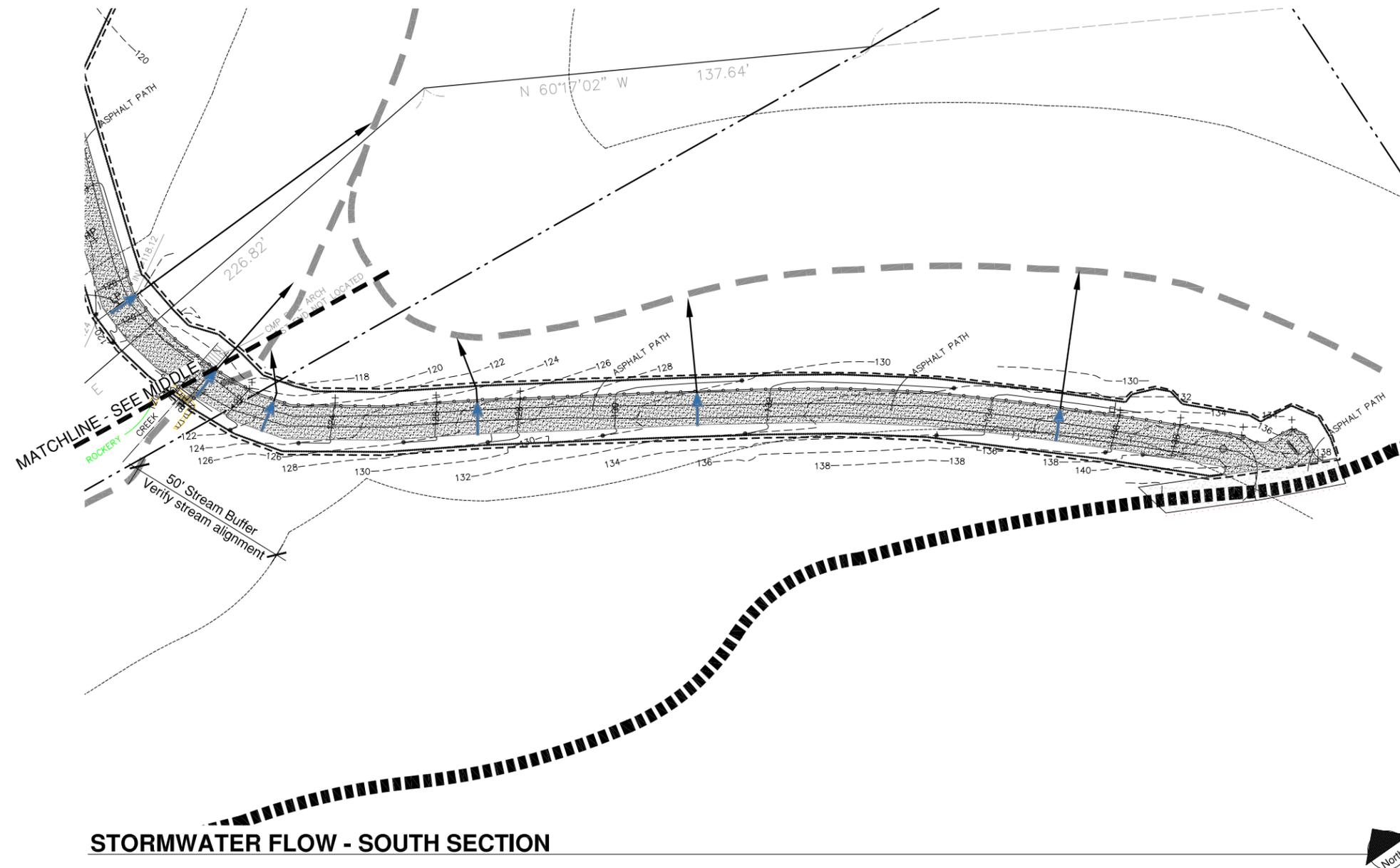
NO.	DATE	DESCRIPTION	BY	MD
1	03-08-13	REVIEW SET		

SHEET SIZE:
ORIGINAL PLAN IS 22" x 34"
SCALE ACCORDINGLY.

PROJECT MANAGER: MG
 DESIGNED: .
 DRAFTED: MD
 CHECKED: MG

JOB NUMBER:
130213

SHEET NUMBER:
1 OF 2



SUNRISE PARK TRAIL
STORMWATER FLOW DIRECTION

WEST LAKE SAMMAMISH PARKWAY SE
 BELLEVUE, WA 98008

NO.	DATE	DESCRIPTION	BY
1	03-08-13	REVIEW SET	MD

SHEET SIZE:
 ORIGINAL PLAN IS 22" x 34"
 SCALE ACCORDINGLY.

PROJECT MANAGER: MG
 DESIGNED: .
 DRAFTED: MD
 CHECKED: MG
 JOB NUMBER:
130213
 SHEET NUMBER:
2 OF 2

City of Bellevue Submittal Requirements	27
ENVIRONMENTAL CHECKLIST	
12/21/00	
<p><i>Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Our TTY number is 425-452-4636.</i></p>	
<p>INTRODUCTION</p> <p>Purpose of the Checklist:</p> <p>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 City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.</p> <p>Instructions for Applicants:</p> <p>This environmental checklist asks you to describe some basic information about your proposal. 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.</p> <p>Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center 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. Include references to any reports or studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.</p> <p>Use of a Checklist for Nonproject Proposals: <i>A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.</i></p> <p>For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.</p> <p>For nonproject actions, the references in the checklist to the words <i>project</i>, <i>applicant</i>, and <i>property</i> or <i>site</i> should be read as <i>proposal</i>, <i>proposer</i>, and <i>affected geographic area</i>, respectively.</p> <p>Attach an 8½" x 11" vicinity map which accurately locates the proposed site.</p>	

City of Bellevue Submittal Requirements	27a
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ENVIRONMENTAL CHECKLIST

12/21/00

If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call the Permit Center (425-452-6864) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Our TTY number is 425-452-4636.

BACKGROUND INFORMATION

Property Owner: **City of Bellevue**

Proponent: **City of Bellevue – Parks and Community Services Department, Attn: Geoff Bradley**
450 110th Ave NE
Bellevue, WA 98004
(425) 452-2740

Contact Person: **The Watershed Company, Attn: Kenny Booth**
 (If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: **750 Sixth Street South, Kirkland, WA 98033**

Phone: **(425) 822-5242**

Proposal Title: **Sunrise Park Trail Improvements**

Proposal Location (Street address and nearest cross street or intersection) Provide a legal description if available:

Project is located on the southwest side of West Lake Sammamish Parkway SE just west of 176th Avenue SE, Bellevue, 98005, King County.

No address, tax parcel 132405-9119, legal description: POR G L 1 LY SLY OF W LK SAMMAMISH BLVD & ELY OF FOLG DESC LN BAAP ON S LN SD SUBD N 86-05-24 W 500 FT FR SE COR TH N 01-31-03 E 325 FT TH N 64-14-43 E 247.24 FT TO SWLY MGN SD RD & TERMINUS SD DESC LN LESS ST HWY

Additional work will occur within the Interstate 90 right-of-way.

Please attach an 8½" X 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description:

The project site is located within the existing Sunrise Park. The park property, approximately 4.48 acres in size, is located along West Lake Sammamish Parkway SE. A gravel parking area, which accommodates approximately 4 to 5 vehicles, is located directly adjacent to the roadway. The park includes an asphalt trail that extends from the parking area in a southerly direction, eventually extending off the park property into the Interstate 90 right-of-way and connecting with the Mountains-to-Sound Trail. The trail corridor includes a wooden footbridge with concrete abutments and a pea-gravel overlook. The trail shoulder areas (extending approximately two feet on either side of the trail) are typically compacted bare dirt. The City of Bellevue Parks and Community Services Department proposes to improve the trail corridor by widening the asphalt pavement to a width of 10 feet, removing the pea-gravel overlook, extending two small drainage pipes, installing an Envirolock bagged retaining wall system, adding new trail signage, and restoring

disturbed and degraded areas with native plantings. Additional site improvements include a new parallel parking alignment, a new paved connection to the walkway along West Lake Sammamish Parkway SE, and two new kiosks. Detailed plans are attached.

2. Acreage of site: **Tax parcel 132405-9119 is approximately 4.48 acres (195,149 square feet). However, the project area (where construction will occur) is approximately 30,482 square feet (0.70 acre).**
3. Number of dwelling units/buildings to be demolished: **None**
4. Number of dwelling units/buildings to be constructed: **None**
5. Square footage of buildings to be demolished: **N/A**
6. Square footage of buildings to be constructed: **N/A**
7. Quantity of earth movement (in cubic yards): **Cut: 100 cubic yards / Fill: 80 cubic yards**
8. Proposed land use: **The project area is located within Sunrise Park. The project area currently contains an asphalt trail and bridge over Sunrise Creek. There are no changes proposed to the existing land use.**
9. Design features, including building height, number of stories, and proposed exterior materials: **The applicant proposes to widen an existing asphalt trail and install native plantings. Trail signage and kiosks will also be added. The widened trail will consist of additional asphalt surfacing. Signage and kiosks will be constructed of wood materials. The kiosks will stand approximately 8.5-foot tall.**
10. Other

Estimated date of completion of the proposal or timing of phasing:

Once started, trail widening, improvements and native planting should take approximately four to six weeks. It is anticipated that construction would occur sometime in summer 2013.

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

None at this time.

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

Sunrise Park Trail Improvements – Stream Study. The Watershed Company. March 8, 2013.

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

No such applications are pending.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

Critical Areas Land Use Permit – submitted concurrently with this SEPA Checklist (City of Bellevue)

Clearing and Grading Permit – submitted concurrently with this SEPA Checklist (City of Bellevue)

Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone)
Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. EARTH

- a. General description of the site (circle one): Flat Rolling Hilly Steep slopes Mountains Other:

The subject site is relatively flat near West Lake Sammamish Parkway SE and slopes upward near the southern portion of the site. The trail cuts through the park and rises from an elevation of approximately 90 feet at West Lake Sammamish Parkway to 140 feet at its connection to the Mountains-to-Sound Trail.

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

The steepest slope on-site is approximately 50%, located along the west edge of the existing trail.

- 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.

According to the King County Soil Survey, the site is mapped as Kitsap silt loam, 15 to 30 percent slopes, and Everett-Alderwood gravelly sandy loams, 6 to 15 percent slopes.

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

No indications of unstable soils were observed.

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

	FILL	CUT
Type and Quantity	-Topsoil: 20 c.y. -Compost: 20 c.y. -Pea Gravel/base material: 40 c.y.	Asphalt: 100 c.y.
Total	80 c.y.	100 c.y.
Fill Source	Local source	

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

Erosion could occur if exposed soils are mobilized by rainfall. Short-term erosion may occur during trail construction and in areas cleared of vegetation. However, any impacts would be short-term and the measures described below would help minimize erosion.

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

The existing trail will be widened with asphalt, an impervious surface. Following project completion, approximately 10,921 square feet will be covered with impervious surfaces.

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

All clearing and grading construction would be in accordance with City of Bellevue Clearing and Grading Code (Chapter 23.76), permit conditions, and all other applicable codes, ordinances, and standards. To ensure that no impact to the stream occurs, the applicant proposes to use temporary erosion and sedimentation control measures such as silt fencing. The fencing would be installed around soil stockpile areas and exposed soils as necessary to prevent any silt-laden water from reaching adjacent waters during rainfall. Soil stockpile areas shall be located as close to West Lake Sammamish Parkway SE as feasible.

It is not anticipated that soils would be left exposed for more than two days. However, to ensure that erosion potential is minimized, disturbed soils shall be covered with straw, hydroseeded, or otherwise revegetated with native plants as soon after construction as possible. In all cases, exposed soils must be covered at the end of the construction week and also at the threat of rain.

2. 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.

Any air quality impacts from construction-related vehicle trips would be temporary. Heavy equipment will be used for a short period of time during the construction process. After project completion, no further impacts to air would occur.

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

There are no off-site sources of emissions that will affect the project.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

Standard methods of reducing impacts to air would be utilized, and include keeping all heavy equipment and hand-held power equipment in good operating condition and managing disturbed soils as described above under 1h.

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.

The project site includes Sunrise Creek, a Type F water per the City's critical areas overlay district regulations.

- 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.

The entirety of proposed work will occur within 200 feet of Sunrise Creek. Detailed plans are attached.

- 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.

No fill below the ordinary high water mark of the stream is proposed. Portions of improvements will occur within the stream buffer.

- 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. The project site does not lie within a 100-year floodplain.

- 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 intentional discharges of waste materials would occur during project construction.

b. Ground

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

There will be no withdrawal of or discharge to ground water associated with this project.

- 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.

There will be no waste material from septic tanks or other sources discharged into the ground as part of this project.

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.

The proposed widened trail (new impervious surface) will drain to adjacent vegetated areas for infiltration.

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

It is not expected that waste materials will enter the on-site stream channel. Staging would occur adjacent to West Lake Sammamish Parkway SE, as far from the on-site critical areas as feasible.

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

The erosion control measures described under question 1h would help control impacts to surface and runoff water. In addition, all heavy equipment and hand-held power equipment would be in good working order.

4. PLANTS

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

- deciduous tree: **alder, maple**, aspen, other:
- evergreen tree: **fir, cedar**, pine, other:
- shrubs: **Himalayan blackberry, salmonberry, sword fern, osoberry, red huckleberry, beaked hazelnut**
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other:
- water plants: water lily, eelgrass, milfoil, other:
- other types of vegetation:

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

Approximately 4,557 square feet of vegetation (native and non-native) will be removed from the site, including Himalayan blackberry. Two cedar trees will be turned into snags.

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

No threatened or endangered plant species are known to be on or near the site.

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

Approximately 9,600 square feet of native plantings are proposed along the trail corridor. Proposed native plantings include oceanspray, snowberry, beaked hazelnut, sword fern, low Oregon grape, bald hip rose, evergreen huckleberry, western trillium, red flowering currant, redwood sorrel, salal, and bleeding heart.

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: **blackbirds, chickadees, wrens, finches, robins**
- 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.

No threatened or endangered animal species are known to be on or near the site.

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

No.

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

The proposed project will enhance wildlife habitat through the removal of invasive species and the planting of native species within the project area.

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.

Hand-held power equipment or a mower will be used for vegetation removal. Heavy equipment and hand-held power equipment will be used for the trail improvements. However, no energy will be necessary after the project is completed.

- 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:

No forms of energy are necessary for the completed project.

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.

Typical hazards related to heavy equipment and electrical and gasoline-powered hand tools are associated with construction of the proposed project.

- 1) Describe special emergency services that might be required.

Emergency services are not anticipated at the site. In the unlikely event that an accident (spill, fire, other exposure) occurs involving toxic chemicals or hazardous wastes, the local Fire Department's Hazardous Materials Team would respond. If necessary, local medical services might also be required. Safety and accident response supplies would be on-site to treat emergencies during construction.

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

Standard precautions would be taken to ensure the safety of the work crew. The construction manager would be contacted by a crew member immediately upon discovery of a spill. The construction manager would then ensure that the spill is cleaned up in the manner dictated by the chemical use instructions and would contact the appropriate authorities.

- b. Noise

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

The project site is located adjacent to West Lake Sammamish Parkway SE, a heavily traveled road.

- 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.

Noise associated with the proposed project would include heavy equipment and hand-operated power tools during the construction phase. Construction noise would be limited to normal daytime working hours as dictated by the City of Bellevue's noise policy. The only noise generated by the proposed project would be that of trail users (pedestrians, cyclists, strollers, etc.). There would be no significant long-term noise associated with the proposed project.

- 3) Proposed measures to reduce or control noise impacts, if any:

As mentioned above, noise would be limited to normal daytime working hours. No other noise-control measures are necessary.

8. LAND AND SHORELINE USE

- a. What is the current use of the site and adjacent properties?

The City of Bellevue Parks and Community Services Department currently owns the parcel upon which improvements are proposed. The parcel is designated open space. The Interstate 90 right-of-way corridor is located south of the parcel, the Sammamish Bible Camp is located east of the parcel, and single-family residences are located west and north of the parcel.

- b. Has the site been used for agriculture? If so, describe.

No.

- c. Describe any structures on the site.

There are currently no structures on the site.

- d. Will any structures be demolished? If so, what?

No structures are proposed for demolition.

- e. What is the current zoning classification of the site?

The parcel is zoned Single-Family Residential (R-5).

- f. What is the current comprehensive plan designation of the site?

The parcel is designated as Parks/Single-Family Residential – High Density (P/SF-H).

- g. If applicable, what is the current shoreline master program designation of the site?

N/A

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The project site includes Sunrise Creek, a Type F water. The stream is considered an "environmentally sensitive" area. An application for a Critical Areas Land Use Permit to allow for disturbances within the sensitive area buffer is being submitted concurrently with this checklist.

- i. Approximately how many people would reside or work in the completed project?

No person will reside or work in the completed project.

- j. Approximately how many people would the completed project displace?

No person will be displaced as a result of this project.

- k. Proposed measures to avoid or reduce displacement impacts, if any:

Does not apply.

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The improved trail is in accordance with the City's long-term goal of making open and natural spaces accessible to citizens for passive recreation.

9. HOUSING

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

- c. Proposed measures to reduce or control housing impacts, if any:

Does not apply.

10. AESTHETICS

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

In addition to widening the existing trail, the proposed project includes two kiosks. The kiosk will stand 8.5-feet tall and will be made of wood. No other structures are proposed as part of the project.

- b. What views in the immediate vicinity would be altered or obstructed?

Parking upgrades and portions of the trail improvements will be visible from West Lake Sammamish Parkway SE. Otherwise trail improvements and restoration plantings will be visible to trail users within the park.

- c. Proposed measures to reduce or control aesthetic impacts, if any:

No measures are necessary.

11. LIGHT AND GLARE

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

No light or glare will be produced by the proposed project.

- b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

- c. What existing off-site sources of light or glare may affect your proposal?

None.

- d. Proposed measures to reduce or control light and glare impacts, if any:

No measures are necessary.

12. RECREATION

- a. What designated and informal recreational opportunities are in the immediate vicinity?

The proposed trail improvements are located within Sunrise Park. The park offers a picnic area and trails.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

No. The proposed project will enhance passive recreational use within the area.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

No measures are necessary.

13. HISTORIC AND CULTURAL PRESERVATION

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

No places or objects of this type are known to exist in the immediate vicinity.

- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

There is no known evidence of historic or cultural importance on the project site.

- c. Proposed measures to reduce or control impacts, if any:

Should historic, archeological, scientific or cultural significant items be encountered during implementation of this project, work would be temporarily stopped while the appropriate agencies are notified.

14. TRANSPORTATION

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The proposed project will improve an existing trail within Sunrise Park that provides a link between West Lake Sammamish Parkway SE and the Mountains-to-Sound Trail running parallel to Interstate 90.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The nearest King County Metro transit stop is located at the corner of West Lake Sammamish Parkway SE and SE 40th Place, approximately 0.15 mile northwest of the park entrance.

- c. How many parking spaces would the completed project have? How many would the project eliminate?

This project site currently offers an informal parking area with room for approximately four to five vehicles. Parking area improvements are expected to maintain or increase the level of parking.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

The proposed project involves the widening of an existing pedestrian trail. No impacts/improvements to roads or streets will occur.

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

Water, rail, or air transportation would not be utilized by the completed project.

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

The completed project is not expected to alter the number of vehicular trips per day generated by the existing park.

- 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 increase in public service needs will result from this project.

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

None.

16. UTILITIES

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

No utilities are currently available at the site.

- 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.

No new utilities are proposed as part of the project.

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



Kenny Booth, AICP

Date Submitted: _____