HABITAT TECHNOLOGIES

December 17, 2024 Revised April 16, 2025

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WETLAND BUFFER ESTABLISHMENT AND ENHANCEMENT PROGRAM FOR THE DEVELOPMENT OF A NEW SINGLE-FAMILY HOMESITE Parcel 0322059088, King County

Dear Ms. Markakis,

This document details the "*Wetland Buffer Establishment and Enhancement Program*" to be implemented as a part of the development of a new single-family homesite within **Parcel 0322059088 (project site)** – Lot A as created through a recent boundary line adjustment (BLA 16-0001). The project site was approximately 1.30-acres in size, irregular in shape, and located along 143rd Place SE within an area of existing single-family development in the Youngs Lake area of King County, Washington (Figure 1).

PROJECT SITE DESCRIPTION

The project site was vacant and exhibited a primarily deciduous forest plant community with dense areas of Himalayan blackberry (*Rubus armeniacus*). A drainage corridor and associated wetland were identified generally along the northern boundary of the project site. The project site had undergone prior development actions to include clearing and grading, fencing, ditching and maintenance, culvert installation, the development of an adjacent public roadway and utilities, and the development of adjacent properties.

Directions to Project Site: From westbound on SE Petrovitsky Road turn south onto 140th Avenue SE. Continue on 140th Avenue SE to SE 192nd Street. Turn east onto SE 192nd Street and continue to 143rd Place SE. Turn south onto 143rd Place SE. The project site is to the east of 143rd Place SE.

CRITICAL AREAS DETERMINATION

wetlands, streams, fisheries, wildlife – mitigation and permitting solutions P.O. Box 1088, Puyallup, Washington 98371 253-845-5119 contact@habitattechnologies.net

A VETERAN OWNED SMALL BUSINESS COOPERATIVE

The assessment and evaluation of critical areas within and immediately adjacent to the project site was completed following the methods and procedures defined in the *Corps of Engineers Wetland Delineation Manual* (1987 Manual) with the 2010 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual*: Western Mountains, Valleys, and Coast Region (2010 Supplement); guidance provided for the Washington State Wetlands Rating Worksheet (Hruby 2008); the State of Washington Department of Natural Resources (WDNR) Forest Practice Rules (WAC 222-16-030); and King County Chapter 21A-24 (see Critical Areas Delineation and Rating Report dated May 24, 2022).

Based on these criteria, one (1) area within the project site was identified to exhibit all three of the established criteria for regulation as a "wetland." Additionally, one (1) area adjacent to the project site was identified to exhibit all three of the established criteria for regulation as a "wetland." One (1) area along the northern boundary of the project site was identified to exhibit characteristics typically associated with a King County "aquatic area" (stream).

WETLAND	CLASSIFICATION	WDOE TOTAL SCORE	WDOE HABITAT SCORE	KING COUNTY CATEGORY	KING COUNTY BUFFER
A	Depression/Riverine	20	6	II	150 ft
В	Depression	16	4		80 ft

Wetland A: Wetland A was identified entering the project site (Lot A) along the northern boundary within a shallow ditched swale. This wetland extended through Lot A to the west/northwest and exited via an installed culvert in 143rd Place SE. Offsite Wetland A exhibited areas of seasonal ponding and seasonal saturation. Offsite Wetland A was ditched by prior management actions and was noted to extend offsite to the east and west.

Offsite Wetland A was rated in 2018 and then again in 2021 utilizing the 2014 Washington State Department of Ecology *Wetland Rating Form for Western Washington* (Hruby 2014) and identified to exhibit a total functions score of 20 points (6 habitat points) (Appendix B). As such, this wetland was identified to best meet the criteria for designation as a King County Category II Wetland with a standard buffer of 150 feet inside the urban growth area.

Wetland B: Wetland B was identified within a shallow swale (approximately 1,230 sqft) within the northwestern portion of Lot B. This shallow swale exhibited seasonal saturation within 12 inches of the surface during the March 2022 site assessments. Winter and early spring hydrology supplied to this shallow swale appeared to have been recently increased following the removal of adjacent vegetation for the installation of utilities, soil compaction, and the redirection of adjacent seasonal surface water runoff. Additionally, the removal of vegetation along the 143rd Place SE Corridor (for permitted utility placement) was identified to allow seasonal stormwater from the homesites to the west of 143rd Place SE to flow across 143rd Place SE and onto the project site (a condition not present during the 2018 assessment). Wetland B exhibited a mixture of both hydrophytic and non-hydrophytic vegetation. As documented in during the prior 2018 assessment, this area

was dominated by non-hydrophytic vegetation and appeared to have been newly formed as defined utilizing the "disturbed areas methodologies" as outlined in the *Corps of Engineers Wetland Delineation Manual* (U. S. Army Corps of Engineers, 1987) with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region* (U. S. Army Corps of Engineers, 2010).

Wetland B as defined in the spring of 2022 was rated utilizing the 2014 Washington State Department of Ecology *Wetland Rating Form for Western Washington* (Hruby 2014) and identified to exhibit a total functions score of 16 points (4 habitat points). As such, this wetland was identified to best meet the criteria for designation as a King County Category III Wetland with a standard buffer of 80 feet in width.

Aquatic Area: An unnamed surface water drainage corridor – aquatic area - was located within Offsite Wetland A in the northern portion of Parcel 0322059088. This aquatic area had undergone prior land use actions to include culvert placements, ditching, and the development of access roadways. This aquatic area appeared best meeting the criteria for designation as a King County **Type N Aquatic Area**. The standard buffer for a King County Type N Aquatic Area is 65 feet as measured from the identified ordinary high water mark.

SELECTED DEVELOPMENT ACTION

The Selected Development Action for **Parcel 0322059088** focuses on the development of a new single-family homesite. Homesite development would be consistent with the King County Comprehensive Plan, local zoning, the local residential community, and the provisions of King County Chapter 21A.24. Access to the new homesite would be provided by a new driveway connection to 143rd Place SE located in the western portion of the project site. While homesite development would avoid adverse encroachment into the identified onsite wetland in the northern portion of the project site, the proposed homesite development would unavoidably encroach into the standard buffer for this wetland and the buffer for Wetland B located offsite to the south (Appendix B).

KING COUNTY CRITICAL AREAS ENCROACHMENT REGULATION

King County regulates activities in and around identified "critical areas" pursuant to Chapter 21A-24. As with the federal and state permitting requirements, the County regulations focus on avoidance and minimization of adverse impacts. For impacts that cannot be avoided or minimized the County may require compensatory mitigation to replace, restore, or enhance the physical and biological functions of the critical areas. For the development of single-family homesites within existing parcels constricted by critical areas and associated buffers the County may approve alterations to critical areas, alterations to critical area buffers, and alterations to critical area setbacks not otherwise allowed within Chapter 21A-24 as follows (21A.24.072 – Alteration Exception Alternative):

King County may approve alterations to critical areas, critical area buffers, and critical area setbacks only when all of the following criteria are met:

1. There is no feasible alternative to the development proposal with less adverse impact on the critical area;

Discussion: The project site consists of a single parcel of record, approximately 1.30-acres in size, and initially created through a boundary line adjustment process (BLA#16-0001). Within all but the very southern portion, the parcel was dominated by the wetland and associated wetland buffer. Additionally, an offsite wetland to the south (Wetland B) imposes a buffer into the southern portion of the site. The proposed homesite, access driveway, and associated minimal yard areas can be developed without encroachment into the identified wetlands. However, a reduction in the wetland buffers would be unavoidable to allow for the development of this homesite at a size consistent with new homes recently built in the neighborhood. No other feasible alternative location for the homesite is possible to ensure fewer potential impacts to the wetland or associated buffer.

2. The alteration is the minimum necessary to accommodate residential use of the property;

Discussion: As depicted on the proposed site plan, the homesite was to retain the maximum amount of onsite buffer area. The location of the proposed homesite development action minimizes potential adverse impacts to the identified wetland buffers as much as practical. The access drive to the homesite was relocated to the north to further minimize buffer impacts for offsite Wetland B.

3. The approval does not require the modification of a critical area development standard established by this chapter;

Discussion: As depicted on the proposed site plan, the approval of the proposed homesite development action does not require a modification of the critical area development standard.

4. The development proposal does not pose an unreasonable threat to the public health, safety or welfare on or off the development proposal site and is consistent with the general purposes of this chapter and the public interest;

Discussion: As depicted on the proposed site plan, the approval of the proposed homesite development action does not pose an unreasonable threat to the public health, safety or welfare within or adjacent to the development site and is consistent with the general purposes of this chapter and the public interest.

5. For dwelling units, no more than five thousand square feet or ten percent of the site, whichever is greater, may be disturbed by structures, building setbacks or other land alteration, including grading, utility installations and landscaping, but not including the area used for a driveway or for an on-site sewage disposal system;

Discussion: As depicted on the proposed site plan, the proposed homesite development action does not exceed 5,681 square feet in development impact size.

6. The applicant submits an approved rural stewardship plan or forest stewardship plan prepared in accordance with this chapter that addresses the development proposal and the proposed use of the property; and

Discussion: The project has provided a mitigation plan to address the site development proposal. Onsite mitigation in the form of buffer addition (705 sqft) and buffer enhancement for permanently impacted buffer (3,614sqft) has been provided.

7. The proposal complies with K.C.C. 21A.24.125 and 21A.24.130.

Discussion: As defined below the proposed new homesite development complies with K.C.C. 21A.24.125 and 21A.24.130.

MITIGATION SEQUENCING

1. Avoiding the impact altogether by not taking a certain action or parts of an action;

Discussion: As noted above, overall project planning and the creation of the new homesite reviewed a variety of potential scenarios. However, as a result of the existing wetlands and buffer sizes and location, the final plan focused on the placement of the home in the far southern portion of the project site to retain the maximum amount of buffer area. Additionally, following County Staff comments the access drive for the home was located to the north to further minimize impacts to the offsite Wetland B buffer.

As such, adverse encroachments into the identified wetland buffers have been avoided to the greatest extent practicable while still meeting King County public health and safety requirements.

2. Minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps, such as project redesign, relocation, or timing, to avoid or reduce impacts;

Discussion: As noted above, the project site is dominated by wetland and associated buffer areas. The developable area within the project site is limited to less than 5,681 square feet. The project has been designed to stay within the development requirements.

3. Rectifying the impact to critical areas by repairing, rehabilitating or restoring the affected critical area or its buffer;

Wetland Impacts:

The proposed homesite development would avoid any adverse impacts to either the onsite of the offsite wetlands or identified aquatic area.

Buffer Impacts:

The proposed homesite development would avoid adverse encroachments into the identified wetland and aquatic area buffers to the greatest extent practicable. However, encroachment into the buffer for Wetland A and offsite Wetland B would be unavoidable and be considered a "permanent buffer impacts."

Permanent Buffer Impact: Unavoidable permanent buffer impacts associated with the development of the new single-family homesite would total 3,614 square feet. Compensatory impacts mitigation would be provided through the establishment and enhancement of the existing, somewhat degraded onsite buffer area (see program outline below).

4. Minimizing or eliminating the hazard by restoring or stabilizing the hazard area through engineered or other methods

There are no identified hazard areas within or immediately adjacent to the project site.

5. Reducing or eliminating the impact or hazard over time by preservation or maintenance operations during the life of the development proposal or alteration;

Impacts to the onsite buffer area are being restored onsite through enhancement actions. A minimum of 3,614 sqft of buffer area shall be enhanced adjacent to the homesite development area.

6. Compensating for the adverse impact by enhancing critical areas and their buffers or creating substitute critical areas and their buffers; and

Mitigation for the proposed project permanent impacts would be provided through onsite buffer addition (705 sqft) and the enhancement of a minimum of 3,614 sqft.

7. Monitoring the impact, hazard or success of required mitigation and taking remedial action.

A five (5) year monitoring and maintenance program would be implemented following the implementation of the onsite buffer establishment and enhancement program. This five (5) year program would be based on the established performance criteria for desirable plant community establishment and with incorporate project contingencies, ongoing maintenance of potential invasive species, and annual reporting to the program's performance.

ESTABLISHMENT AND ENHANCEMENT PROGRAM BENEFITS

The overall goal of the *Wetland Buffer Establishment and Enhancement Program* is to restore a viable native plant community within the retained onsite wetland buffer areas. The establishment of viable wetland buffer plant communities shall provide enhanced structural stability; enhanced light, dust, and noise screening to protect the wetland; enhanced aquatic and terrestrial habitats; enhanced stormwater runoff quality protections; enhanced detrital support for the aquatic/terrestrial food-web; and enhanced protection from potential human encroachments.

DESCRIPTION OF THE ESTABLISHMENT AND ENHANCEMENT PROGRAM

The implementation of the *Wetland Buffer Establishment and Enhancement Program* is designed to accompany single-family homesite development and shall ensure that the unavoidable impacts (3,614 sqft) to the standard 150-foot buffer associated with Wetland A and the 80 foot buffer associated with offsite Wetland B would be fully mitigated. The primary benefits associated with the proposed program include the restoration of a viable protective wetland buffer plant community composed of existing, installed, and volunteer native shrubs. This area has been impacted by prior land uses and the understory is dominated by invasive blackberries. The selected plant species shall increase diversity and complexity within the buffer areas, while also providing increased wildlife habitats opportunities for local species (Appendix B).

- 1. The *Wetland Buffer Establishment and Enhancement Program* shall establish a protective buffer adjacent to the homesite development area within the project site.
- 2. To compensate for the permanent impacts to the onsite buffer area trees and shrubs common to the local area shall be planted in the established buffer areas adjacent to the homesite development area. No less than 3,614 square feet of existing onsite wetland buffer shall be enhanced to provide a minimum of a 1:1 (impacted to enhanced) area of compensatory buffer mitigation (Appendix B).
- 3. The outer boundary of this established protective buffer immediately adjacent to the new homesite area shall be clearly identified through the placement of

protective silt-fencing and a split-rail fence (or permanent fence type approved by King County). Standard King County buffer boundary signs shall also be affixed to the split-rail fence at no more than a 25-foot interval. The silt-fencing shall be removed upon homesite development completion.

- 4. The buffer enhancement area shall be cleared of non-native invasive species and debris. All removal actions shall be completed using hand tools to remove root structure without significant disruption of the soil profile. Prior to removal actions existing desirable native trees and shrubs shall be identified and then retained through the non-native invasive species removal process.
- 5. The buffer enhancement area (approximately 3,614 square feet) shall be planted with a variety of native species common to the local area and selected to provide structural diversity, habitat and food resources for wildlife common to the local area.

NUMBER	COMMON NAME - SCIENTIFIC NAME	SIZE
8	Western red cedar - Thuja plicata	2 gallon
4	Sitka spruce - Picea sitchensis	2 gallon
8	Big leaf maple – Acer macrophyllum	2 gallon
8	Douglas fir - Pseudotsuga menziesii	2 gallon
8	Black hawhorne - Crataegus douglasii	2 gallon
8	Crabapple - Pyrus fusca	2 gallon
44	TOTAL TREES	
20	Flowering current - Ribes sanguineum	1 gallon
15	Vine maple - Acer circinatum	1 gallon
20	Oceanspray - Holodiscus discolor	1 gallon
17	Hazelnut - Corylus cornuta	1 gallon
20	Snowberry - Symphoricarpus albus	1 gallon
15	Wild rose - Rosa gymnocarpa	1 gallon
107	TOTAL SHRUBS	

- 6. The wetland buffer areas once established shall NOT be regularly managed through mowing. However, ongoing actions shall remove invasive species without impacting soil stability and desirable plant establishment. The overall intent is to create a plant community that does not require regular maintenance once established.
- 7. Upon the completion of the implementation of the *Wetland Buffer Establishment* and *Enhancement Program* the project biologist shall prepare an *Implementation Report* that outlines the actions taken, construction observations, and a review of the established plant community. The *Implementation Report* shall include photo documentation to detail the actions taken and provided to King County within 30 days of the completion of the onsite implementation tasks.

- 8. Upon the approval of the *Implementation Report* by King County, the Permittee shall undertake a *Five-Year Performance Monitoring and Maintenance Program* to ensure the success of the *Wetland and Buffer Establishment and Enhancement Program* as determined by an established set of performance criteria.
- 9. During the *Five-Year Performance Monitoring and Maintenance Program* the planted areas shall be irrigated, and invasive shrubs shall be removed.

GOAL OF THE BUFFER ESTABLISHMENT AND ENHANCEMENT PROGRAM

The goal of the *Wetland Buffer Establishment and Enhancement Program* is to create a viable native plant community adjacent to the new homesite development area. To achieve the defined **GOAL**, the following **PERFORMANCE CRITERIA** are defined:

- **Performance Criterion #A1:** As defined by plant counts 100% of the native trees and shrubs initially planted within the wetland and buffer areas shall exhibit survival through the end of the first growing season following initial planting.
- **Performance Criterion #A2:** As defined by plant counts 80% of the native trees and shrubs (combined counts) initially planted within the wetland buffer areas shall exhibit survival through the end of the second, third, fourth, and fifth growing seasons following initial planting.
- **Performance Criterion #A3:** As defined by sampling within the established wetland and buffer areas the presence of invasive shrubs shall <u>not</u> exceed 10% aerial coverage at the end of the second, third, fourth, and fifth growing seasons following initial planting.

SELECTED PLANTS

The plants selected for the wetland buffer enhancement areas shall be obtained as nursery stock. These selected species are native and commonly occur in the local area. The plant species prescribed are selected to increase plant diversity, match present onsite communities, increase wildlife habitats, and enhance the aquatic and terrestrial environments. Adequate irrigation shall be provided at the time of installation.

IMPLEMENTATION INSPECTION

Essential to the success of the *Wetland Buffer Establishment and Enhancement Program* is the accurate inspection of onsite activities immediately prior to and during the implementation phase. These activities include pre-planting site inspection, onsite inspection and technical direction during planting activities, post-planting site inspection and evaluation. The pre-planting site inspection allows the Permittee, the planting team,

and the onsite biologist to evaluate and, if necessary, make minor adjustments in the onsite planting steps. These steps include analysis of project site elevation features, project sequencing and timing, unforeseen required minor modifications to the original planting plan, and the establishment of environmental protections where required (silt fences, protective construction fencing).

All onsite implementation actions shall be completed at the direction of the project biologist. The project biologist shall complete onsite inspections, verify, and approve the following project tasks (at a minimum):

- 1. Marking of work areas and access corridors. Marking of desirable plants to be retained.
- 2. Removal of invasive species.
- 3. Nursery stock acceptance.
- 4. Plant installation.
- 5. Installation of the temporary irrigation system (if required).
- 6. Installation of protective fencing and buffer boundary signs.

The project biologist shall be responsible for ensuring that the species and sizes of native plants selected and noted within the final planting plan are utilized during implementation. Following the completion of onsite planting activities an *Implementation Report* shall be prepared and submitted to King County. The *Implementation Report* shall include a description of who completed the onsite actions, a description of the scope of work completed, a description of work specifications, and a detailed timeline of completed actions. The *Implementation Report* shall also include a project evaluation prepared by the project biologist.

IMPLEMENTATION SCHEDULE

PROJECT TASK	TASK SCHEDULE
Onsite pre-implementation meeting	Completed by Sept. 25, 202x
Removal of garbage, debris, and invasive species	Completed by Oct. 5, 202x
Planting of established buffer area.	Completed by Oct. 30, 202x
Installation of protective buffer boundary signs along outer boundary of established buffers.	Completed by Nov. 15, 202x
Implementation Report to King County	Completed by Dec. 15, 202x
Irrigation of mitigation area.	As needed following planting

The implementation may be modified depending upon permit approval dates. 202x represents year of implementation.

POST IMPLEMENTATION PROJECT MONITORING

Following the successful completion of the Wetland Buffer Establishment and Enhancement Program a Five-Year Performance Monitoring and Maintenance Program shall be undertaken. The purpose of this program is to ensure the success of the selected

buffer planting program as measured by an established set of performance criteria.

VEGETATION MONITORING STANDARDS

Plant survival shall be defined by a 100% count of initially installed native shrubs. The evaluation of the success of the *Wetland Buffer Establishment and Enhancement Program* shall be based on the established performance criteria. The defined performance criteria shall be applied at the times of yearly monitoring. The *Three-Year Performance Monitoring and Maintenance Program* is designed to be completed by the Permittee with technical assistance from the project biologist.

- 1. As a part of each monitoring period the Permittee shall count the number of live plants which were planted within the established wetland and buffer areas (100% count). Plants shall be identified to species and observations of general plant condition (plant health, amount of new growth) are to be recorded for each plant.
- 2. As a part of each monitoring period the Permittee shall estimate the aerial coverage (as if the observer were looking straight down from above) of these invasive shrubs. Undesirable plants include blackberries, Scot's broom, ivy, and holly.
- **3.** The Permittee shall take photographs that show the restored wetland buffer areas. During the five-year monitoring period photos shall be taken in the same direction and at the same location to provide a series of photos. These photos shall show plant growth, plant species, and plant coverage.
- **4.** Upon the completion of each annual monitoring period the Permittee shall prepare a letter report defining methods, observations, photos, and results along with the date the observations were completed. Each report shall be sent to King County.

MONITORING YEAR	PLANT COMMUNITY MONITORING	SUBMITTAL OF MONITORING REPORT
YEAR-1	on or about Sept. 15, 202x+1	report due Oct. 15, 202x+1
YEAR-2	on or about Sept. 15, 202x+2	report due Oct. 15, 202x+2
YEAR-3	on or about Sept. 15, 202x+3	report due Oct. 5, 202x+3
YEAR-4	on or about Sept. 15, 202x+4	report due Oct. 5, 202x+4
YEAR-5	on or about Sept. 15, 202x+5	report due Oct. 5, 202x+5

MONITORING SEQUENCE

202x represents year of implementation

VEGETATION MAINTENANCE PLAN

Maintenance of the enhanced wetland buffer areas may be required to assure their longterm environmental functions. Such maintenance shall be identified during the monitoring period and shall be undertaken at the direction of the project biologist. The overall objective is to establish undisturbed plant communities that do not require maintenance. Activities may include, but are not limited to, the removal of invasive non-native vegetation and the irrigation of selected areas. Established maintenance activities include the removal of any trash within the wetland or buffer.

REMOVAL OF INVASIVE NON-NATIVE SHRUB AND HERBACEOUS VEGETATION

As a contingency, should the removal of invasive non-native shrubs and herbaceous vegetation become necessary, the project proponent shall contact King County to establish and define specific actions to be taken. Resultant contingency plan activities shall be implemented when the ongoing vegetation monitoring program indicates that invasive shrubs and herbaceous vegetation (blackberries, Scot's broom, holly, ivy, reed canarygrass, thistles) are becoming dominant in the community (greater than 10% aerial coverage). The following invasive vegetation removal program shall be implemented to ensure the establishment of desirable plant communities.

MONITORING	FIRST REMOVAL	SECOND REMOVAL	THIRD REMOVAL
YEAR	ACTION	ACTION	ACTION
YEAR-1	on or about April 30,	on or about June 30,	on or about Aug. 15,
	202x+1	202x+1	202x+1
YEAR-2	on or about April 30,	on or about June 30,	on or about Aug. 15,
	202x+2	202x+2	202x+2
YEAR-3	on or about April 30,	on or about June 30,	on or about Aug. 15,
	202x+3	202x+3	202x+3
YEAR-4	on or about April 30,	on or about June 30,	on or about Aug. 15,
	202x+4	202x+4	202x+4
YEAR-5	on or about April 30,	on or about June 30,	on or about Aug. 15,
	202x+5	202x+5	202x+5

202x represents year of implementation.

At the direction of the project biologist additional removal actions (if required) shall also be undertaken to ensure the establishment of desirable plant communities.

CONTINGENCY PLAN

As a contingency, should the proposed *Wetland Buffer Establishment and Enhancement Program* fail to meet any of the performance criteria, the Permittee shall undertake required remedial actions. Where plant survival is the failing component, the Permittee shall replant and ensure the success of this second planting which would be held to the same standard of success as measured by performance criteria and monitoring processes. Where non-native, invasive vegetation exceeds 10% aerial coverage the Permittee shall undertake removal actions. Such removal actions shall be completed using hand tools or pulling the plants by hand to remove the invasive vegetation without disrupting the soil profile. All cut or pulled vegetation shall be removed from the mitigation area and disposed in an approved location. Herbicides shall <u>only</u> be used following approval by King County. All herbicide applications shall be completed by a licensed professional.

Should additional remedial actions be required, the Permittee shall meet with King County to establish and define actions to be taken to meet the desired goal of this mitigation program.

TEMPORARY IRRIGATION

The Permittee shall ensure that a minimum of **one (1) inch of water is supplied each week** to the buffer restoration area between May 1 and October 15 for at least the first two years following initial planting. The calculated amount of required water shall include both natural rainfall and temporary irrigation. The need for additional years of irrigation shall be determined based onsite conditions and overall plant survival. The amount of water supplied to the buffer restoration area shall be increased if onsite monitoring defines such a need.

PLANTING NOTES

All plant materials (to include the erosion control seed mix) utilized within the restored wetland, drainage corridor, and the associated buffer shall be native to the Puget Sound Region. The onsite biologist shall inspect plant materials to assure the appropriate plant schedule and plant characteristics are met. The Permittee shall warrant that all plants would remain alive and healthy for a period of one year following completion of planting activities. The Permittee shall replace all dead and unhealthy plants with plants of the same specifications.

FINANCIAL GUARANTEE

Financial guarantee would be provided for this project consistent with the provision of Kent City Code 11.06.570(C)(6). The amount of this guarantee has been defined using the *King County Bond Quantity Worksheet* (Appendix A).

STANDARD OF CARE

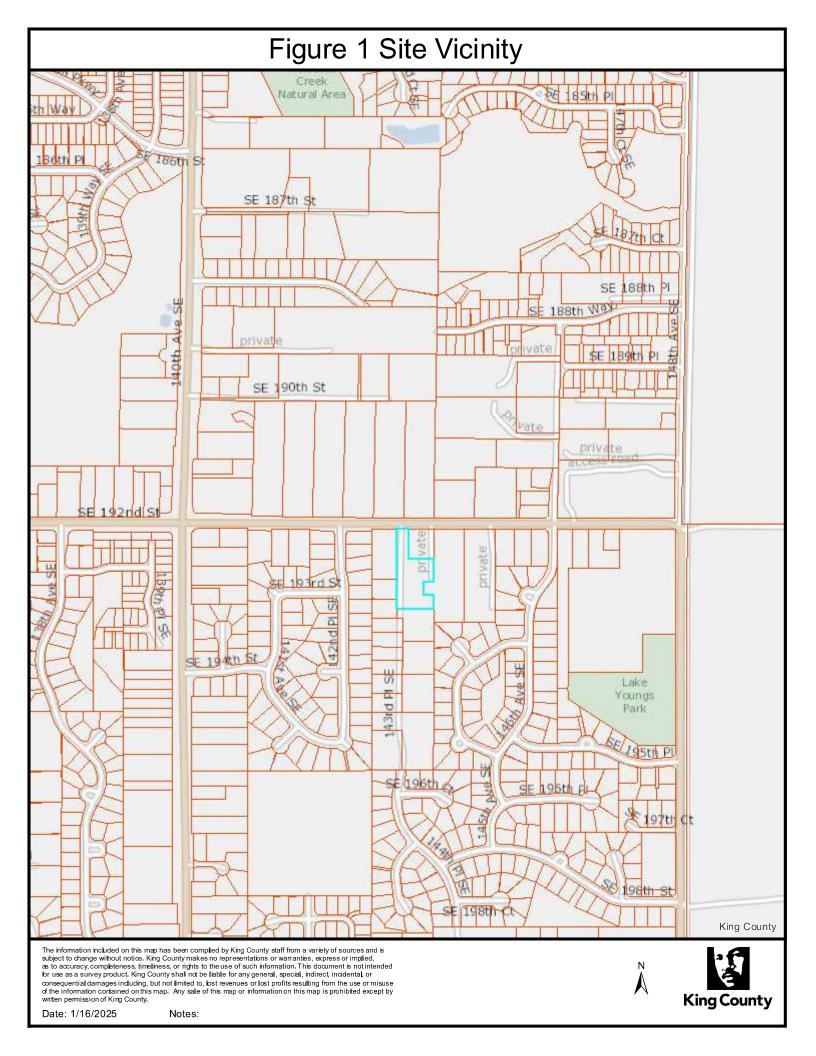
This document has been completed by Habitat Technologies for use by **CES NW Inc.** Prior to extensive site planning, this document should be reviewed and verified by applicable permitting agencies. Habitat Technologies has provided professional services that are in accordance with the degree of care and skill generally accepted in the nature of the work accomplished. No other warranties are expressed or implied. Habitat Technologies is not responsible for design costs incurred before this document is approved by the appropriate resource and permitting agencies.

Bryan W. Peck

Bryan W. Peck Senior Wetland Biologist

Thomas D. Deming

Thomas D. Deming, SPWS Habitat Technologies FIGURES



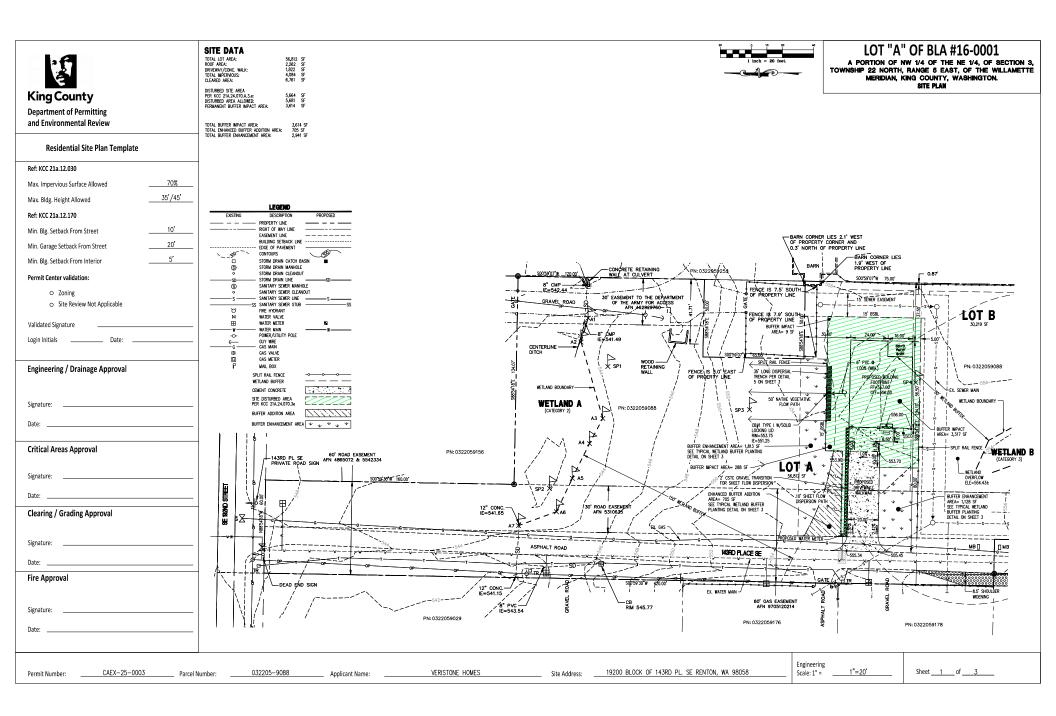
APPENDIX A – Bond Quantity Worksheet

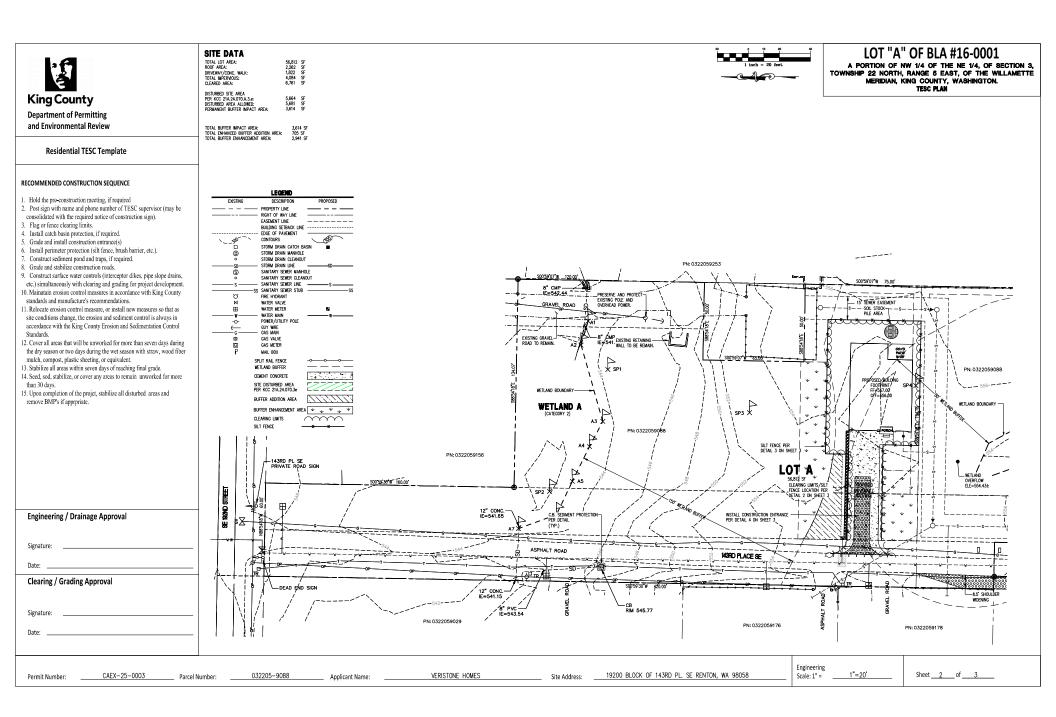
occation: 143rd Place SE (parcel 0322059088) PLANT MATERIALS (includes labor cost for plant installation) Type Unit Price PLANTS: Potted, 4" diameter, medium soil \$11. PLANTS: Container, 1 gallon, medium soil \$20. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Container, to state design \$37. Decompacting til/hardpan, medium, to 12" depth	00 Eact 00 HF 00 HF 00 HF 00 HF 00 HF	Buffer Enh CES NW Quantity 147.00 140	Prepared by: nancement	Habitat Te	 253) 848 (253) 848 (253)	
occation: 143rd Place SE (parcel 0322059088) PLANT MATERIALS (includes labor cost for plant installation) Type Unit Price PLANTS: Potted, 4" diameter, medium soil \$11. PLANTS: Container, 1 gallon, medium soil \$20. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Stakes (willow, red-osier) \$22. PLANTS: Container, to state design \$37. Decompacting til/hardpan, medium, to 12" depth	Applicant:	CES NW			Cost	1,690.9 1,690.9 113.6 113.6
PLANT MATERIALS (includes labor cost for plant installation) Type Unit Price PLANTS: Potted, 4" diameter, medium \$5. PLANTS: Container, 1 gallon, medium soil \$11. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Stakes (willow), red-osier) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Flats/plugs \$24. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compacting till/hardpan, medium, to 6" depth \$1. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (landscaping other than plant installation) \$40. Labor, Gonsultant, on-site re-design \$35. Rental of decompacting machinery & operator \$77. Sand, coarse builder's, delivered and spread \$42. Staking material (set pert tree) \$77.	Uni 0 Eact 1 S 1 S 0 HF 0 HF 0 HF	Quantity Quantity	Description		Cost	1,690.9 1,690.9 113.6 113.6
for plant installation) Unit Price Type Unit Price PLANTS: Potted, 4" diameter, medium soil \$11. PLANTS: Container, 1 gallon, medium soil \$20. PLANTS: Container, 2 gallon, medium soil \$36. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Staces (willow) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Flats/plugs \$2. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$1. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (construction) \$440. Labor: Consultant, supervising \$55. Labor: Consultant, supervising \$25. Surveying, ine & grade \$22. Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hose Irrigation	00 Eact 00 HF 00 HF 00 HF 00 HF 00 HF	147.00 147.00 3.00 3.00 32.00 8.00	Description	TOTAL	\$ \$	1,690. 113.6 1,280.0
Type Unit Price PLANTS: Potted, 4" diameter, medium \$5. PLANTS: Container, 1 gallon, medium soil \$11. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Steding, by hand \$0. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Flats/plugs \$27. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$11. Decompacting till/hardpan, medium, to 12" depth \$11. Hydroseeding \$00. Labor, general (construction) \$440. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$95. Rental of decompacting machinery & operator \$77. Sand, coarse builder's, delivered and spread \$	00 Eact 00 HF 00 HF 00 HF 00 HF 00 HF	147.00 147.00 3.00 3.00 32.00 8.00	Description	TOTAL	\$ \$	1,690. 113.6 1,280.0
PLANTS: Potted, 4" diameter, medium \$5. PLANTS: Container, 1 gallon, medium soil \$11. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Seeding, by hand \$0. PLANTS: Silps (willow, red-osier) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Flats/plugs \$2. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$11. Hydroseeding \$0. Labor, general (construction) \$40. Labor, General (landscaping other than plant installation) \$40. Labor, Consultant, on-site re-design \$95. Labor. Consultant, on-site re-design \$97. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$2	00 Eact 00 HF 00 HF 00 HF 00 HF 00 HF	147.00 147.00 3.00 3.00 32.00 8.00		TOTAL	\$ \$	1,690. 113.6 1,280.0
PLANTS: Container, 1 gallon, medium soil \$11. PLANTS: Container, 2 gallon, medium soil \$20. PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Seeding, by hand \$0. PLANTS: Slips (willow, red-osier) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Flats/plugs \$2. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (construction) \$440. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$95. Rental of decompacting machinery & operator \$7.0. Sand, coarse builder's, delivered and spread \$442. Staking material (set per tree) \$7. Surveying, topographical \$250.	00 Eact 00 Fact 00 HF 00 HF 00 HF 00 HF	3.00		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,690. 113.6 1,280.0
PLANTS: Container, 5 gallon, medium soil \$36. PLANTS: Seeding, by hand \$00. PLANTS: Slips (willow, red-osier) \$22. PLANTS: Stakes (willow) \$22. PLANTS: Flats/plugs \$22. INSTALLATION COSTS (LABOR, EQUIPMENT, 62. Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$1. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (construction) \$440. Labor: Consultant, on-site re-design \$70. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$250. Surveying, lopographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hos Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep <	0 Eact 0 S1 0 Eact 0 Eact	3.00 32.00 8.00		TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,690.
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PLANTS: Slips (willow, red-osier) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Stakes (willow) \$2. PLANTS: Flats/plugs \$2. INSTALLATION COSTS (LABOR, EQUIPMENT, 4 Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$1. Hydroseeding \$0. Labor, general (landscaping other than plant installation) \$40. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$995. Rental of decompacting machinery & operator \$70. Sand, coarse builder's, delivered and spread \$42. Surveying, line & grade \$250. Surveying, line & grade \$250. Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irigation - buried \$4.500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* ITEMS Unit Cost Fascines (willow) <t< td=""><td>0 Eact 0 Eact</td><td>3.00 32.00 8.00</td><td></td><td>TOTAL</td><td>\$ \$ \$ \$ Cost \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$</td><td>1,690. 113. 1,280.</td></t<>	0 Eact 0 Eact	3.00 32.00 8.00		TOTAL	\$ \$ \$ \$ Cost \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	1,690 . 113. 1,280.
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INSTALLATION COSTS (LABOR, EQUIPMENT, a Type Unit Price Compost, vegetable, delivered and spread \$37. Decompacting till/hardpan, medium, to 6" depth \$1. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (landscaping other than plant installation) \$40. Labor, general (construction) \$40. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$95. Rental of decompacting machinery & operator \$770. Sand, coarse builder's, delivered and spread \$422. Staking material (set per tree) \$77. Surveying, line & grade \$250. Surveying, ing of water, 50' soaker hose \$33. Irrigation - temporary Garden hose Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Init Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$4,000. Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$4245. Logs w/or ot wads, 16"-24" diam., 30' lon	OVERHEAD Uni 88 C1 77 C1 77 C1 77 C1 76 70 HF 10 HF 10 HF	3.00 32.00 8.00		TOTAL	\$ Cost \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	113.
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Decompacting till/hardpan, medium, to 6° depth \$1. Decompacting till/hardpan, medium, to 12" depth \$1. Hydroseeding \$0. Labor, general (landscaping other than plant installation) \$40. Labor, general (construction) \$40. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$955. Labor: Consultant, on-site re-design \$955. Labor: Consultant, on-site re-design \$955. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1° of water, 50' soaker hose \$3. Irrigation - temporary Garden hoso Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Inti Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs, w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Roocks, one-man \$600. <td>77 C) 77 C) 11 S) 10 HF 10 HF</td> <td>32.00 8.00</td> <td></td> <td></td> <td>\$ \$ \$ \$ \$ \$ \$</td> <td>1,280.</td>	77 C) 77 C) 11 S) 10 HF 10 HF	32.00 8.00			\$ \$ \$ \$ \$ \$ \$	1,280.
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Hydroseeding \$0. Labor, general (landscaping other than plant installation) \$40. Labor, general (construction) \$40. Labor: Consultant, supervising \$55. Labor: Consultant, on-site re-design \$95. Rental of decompacting machinery & operator \$70. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hose Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Items ITEMS Unit Cost Fascines (willow) \$ 2.0 Logs (cedar), w/ root wads, 16"-24" diam., 30' long \$1.000. Logs (cedar), w/ root wads, 16"-24" diam., 30' long \$44.00. Logs w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long	1 SY 10 HF 10 HF	32.00			\$ \$ \$	
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Labor: Consultant, on-site re-design \$95. Rental of decompacting machinery & operator \$70. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$77. Surveying, line & grade \$250. Surveying, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hose Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Intit Cost Fascines (willow) \$ 2.0. Logs (cedar), w/ root wads, 16"-24" diam., 30' long \$400. Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$425. Rocks, one-man \$60. Rocks, two-man \$120. Rocks, two-man \$120. Root wads \$163.		8.00				760
Rental of decompacting machinery & operator \$70. Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$33. Irrigation - temporary Garden hos Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Init Cost Fascines (willow) \$ 2.0. Logs (cedar), wi root wads, 16"-24" diam., 30' long \$1,000. Logs (cedar), wi root wads, 16"-24" diam., 30' long \$245. Logs wir root wads, 16"-24" diam., 30' long \$245. Logs wir root wads, 16"-24" diam., 30' long \$4400. Rocks, one-man \$600. Rocks, two-man \$120. Root wads \$163. Spawning gravel, type A \$22.						700
Sand, coarse builder's, delivered and spread \$42. Staking material (set per tree) \$7. Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1° of water, 50' soaker hose \$3. Irrigation - temporary Garden hose Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Inti Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs (cedar) w/ root wads, 16"-24" diam., 30' long \$2450. Logs w/ root wads, 16"-24" diam., 30' long \$4400. Logs w/ root wads, 16"-24" diam., 30' long \$4400. Logs w/ root wads, 16"-24" diam., 30' long \$4400. Rocks, one-man \$600. Rocks, wo-man \$120. Root wads \$163. Spawning gravel, type A \$22.					Ψ	
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Surveying, line & grade \$250. Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hos Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* Init Cost Fascines (willow) \$2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs (cedar) w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$245. Rocks, ton-man \$600. Rocks, ton-man \$120. Root wads \$163. Spawning gravel, type A \$22.	-				\$	
Surveying, topographical \$250. Watering, 1" of water, 50' soaker hose \$3. Irrigation - temporary Garden hos Irrigation - buried \$4,500. Tilling topsoil, disk harrow, 20hp tractor, 4"-6" deep \$1. HABITAT STRUCTURES* ITTEMS Unit Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$14,000. Logs w/ oroot wads, 16"-24" diam., 30' \$460. Rocks, one-man \$600. Rocks, two-man \$120. Root wads \$163.					\$	
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Tilling topsoil, disk harrow, 20hp tractor, 4*-6* deep \$1. HABITAT STRUCTURES* Unit Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16*-24* diam., 30' long \$1,000. Logs (cedar), w/ root wads, 16*-24* diam., 30' long \$400. Logs, w/ root wads, 16*-24* diam., 30' long \$245. Logs w/ root wads, 16*-24* diam., 30' long \$460. Rocks, one-man \$60. Root wads \$163. Spawning gravel, type A \$22.	•	1.00			\$	200
HABITAT STRUCTURES* ITEMS Unit Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$400. Logs, w/ root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$460. Rocks, two-man \$60. Root wads \$163. Spawning gravel, type A \$22.					\$	
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ITEMS Unit Cost Fascines (willow) \$ 2.0 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000 Logs (cedar) w/ root wads, 16"-24" diam., 30' \$400 Logs, w/o root wads, 16"-24" diam., 30' long \$245 Logs w/ root wads, 16"-24" diam., 30' long \$460 Rocks, one-man \$60 Root wads \$163 Spawning gravel, type A \$225				TOTAL	\$	2,353
Fascines (willow) \$ 2.1 Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs (cedar) w/o root wads, 16"-24" diam., 30' long \$400. Logs, w/o root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$460. Rocks, one-man \$60. Root wads \$120. Root wads \$163. Spawning gravel, type A \$22.						
Logs, (cedar), w/ root wads, 16"-24" diam., 30' long \$1,000. Logs (cedar) w/o root wads, 16"-24" diam., 30' \$400. Logs, w/o root wads, 16"-24" diam., 30' long \$245. Logs w/ root wads, 16"-24" diam., 30' long \$460. Rocks, one-man \$60. Rocks, two-man \$120. Root wads \$163. Spawning gravel, type A \$22.	Uni	t			Cost	
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Logs, w/o root wads, 16*-24* diam., 30' long \$245. Logs w/ root wads, 16*-24* diam., 30' long \$460. Rocks, one-man \$60. Rocks, two-man \$120. Root wads \$163. Spawning gravel, type A \$22.					\$	
Logs w/ root wads, 16*-24* diam., 30' long \$460. Rocks, one-man \$60. Rocks, two-man \$120. Root wads \$163. Spawning gravel, type A \$22.					\$	
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Rocks, two-man \$120. Root wads \$163. Spawning gravel, type A \$22.					\$	
Root wads \$163. Spawning gravel, type A \$22.					\$ \$	
Spawning gravel, type A \$22.					\$	
					\$	
Weir - log \$1,500.					\$	
Weir - adjustable \$2,000.					\$	
Woody debris, large \$163.					\$	
Snags - anchored \$400.	00 Each				\$	
Snags - on site \$50.	00 Each 00 Each				\$	
Snags - imported \$800.	00 Each 00 Each 00 Each				\$	
* All costs include delivery and installation	00 Each 00 Each 00 Each			TOTAL	\$	
EROSION CONTROL	00 Each 00 Each 00 Each			1. 2		
ITEMS Unit Cost	00 Each 00 Each 00 Each					
Backfill and Compaction-embankment \$ 4.8	00 Each 00 Each 00 Each			1.200	Cost	
Crushed surfacing, 1 1/4" minus \$30.	0 Eact 0 Eact 0 Eact 0 Eact 0 Eact				Cost \$	
Ditching \$7.	0 Eact 0 Eact 0 Eact 0 Eact 0 Eact 0 Eact 0 Uni					
Excavation, bulk \$4.	0 Eact 0 Eact 10 Ea				\$	

		SY					
Jute Mesh	\$1.26					\$	
Mulch, by hand, straw, 2" deep	\$1.27	SY				\$	
Mulch, by hand, wood chips, 2" deep	\$3.25	SY				\$	
Mulch, by machine, straw, 1" deep	\$0.32	SY				\$	
Piping, temporary, CPP, 6"	\$9.30 \$14.00	LF				\$ ¢	
Piping, temporary, CPP, 8"		LF				\$	
Piping, temporary, CPP, 12"	\$18.00	LF				\$	
Plastic covering, 6mm thick, sandbagged	\$2.00	SY				\$	
Rip Rap, machine placed, slopes	\$33.98	CY				\$	
Rock Constr. Entrance 100'x15'x1'	\$3,000.00	Each				\$	
Rock Constr. Entrance 50'x15'x1'	\$1,500.00	Each				\$	
Sediment pond riser assembly	\$1,695.11	Each				\$	
Sediment trap, 5' high berm	\$15.57	LF				\$	
Sediment trap, 5' high berm w/spillway incl. riprap	\$59.60	LF				\$	
Sodding, 1" deep, level ground	\$5.24	SY				\$	
Sodding, 1" deep, sloped ground	\$6.48	SY				\$	
Straw bales, place and remove	\$600.00	TON				\$	
Hauling and disposal	\$20.00	CY				\$	
Topsoil, delivered and spread	\$35.73	CY			-	\$	
					TOTAL	\$	609
GENERAL ITEMS							
ITEMS	Unit Cost	Unit				Cost	
Fencing, chain link, 6' high	\$18.89	LF				\$	
Fencing, chain link, corner posts	\$111.17	Each				\$	
Fencing, chain link, gate	\$277.63	Each				\$	
Fencing, split rail, 3' high (2-rail)	\$10.54	155				\$	1,633
Fencing, temporary (NGPE)	\$1.20	LF				\$	
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Signs, sensitive area boundary (inc. backing, post, install)	\$28.50	Each	7.00			\$	199
	• • • •				TOTAL	\$	1,833
					TOTAL	φ	1,033
OTHER				(Construction Co	st Subtotal)	\$	6,486
	Percentage						
ITEMS	of						
ITEMS		Unit				Cost	
	of	Unit 1				Cost \$	2,041
Mobilization	of Construction 10%					\$	
Mobilization	of Construction 10% 30%	1			TOTAL		2,041 6,124 8,165
	of Construction 10% 30%	1 1 ects with multiple itoring and mainte	enance terms. pplications. M	ements may be requi This will be evaluate onitoring and mainta	red to have d on a case-by-	\$ \$	6,124
Mobilization Contingency	of Construction 10% 30%	1 ects with multiple itoring and mainto or development a	enance terms. pplications. M	This will be evaluate	red to have d on a case-by-	\$ \$	6,124
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant)	of Construction 10% 30%	1 ects with multiple itoring and mainto or development a	enance terms. pplications. M	This will be evaluate	red to have d on a case-by- nce ranges may	\$ \$	6,124
Mobilization Contingency INTENANCE AND MONITORING	of Construction 10% 30%	1 ects with multiple itoring and mainto or development a	enance terms. pplications. M	This will be evaluate onitoring and mainta	red to have d on a case-by- nce ranges may annual events;	\$ \$	6,124
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area	of Construction Construction 10% 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08	1 1 ects with multiple toring and mainto or development a anywhere from 5	enance terms. pplications. M	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3	annual events; g)	\$ \$ \$ \$	6,124
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation	of Construction Construction 10% 30% NOTE: Proj longer mon case basis f be assessed	1 1 ects with multiple toring and mainto or development a anywhere from 5	enance terms. pplications. M	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin	annual events; g)	\$ \$	6,124
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq.ft. but less than 5,000 sq.ft. of buffer	of Construction 0 const 10% 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35	1 1 ects with multiple itoring and maintu or development a 1 anywhere from 5 SF	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin	annual events; g)	\$ \$ \$ \$ \$	6,124 8,165
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation	of Construction Construction 10% 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08	1 1 ects with multiple toring and mainto or development a anywhere from 5	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3	annual events; g)	\$ \$ \$ \$	6,124 8,165
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer	of Construction 0 const 10% 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35	1 1 ects with multiple itoring and maintu or development a 1 anywhere from 5 SF	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin	annual events; g)	\$ \$ \$ \$ \$	6,124 8,165
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of wetland or aquatic area mitigation	of Construction 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35 \$ 180.00 \$ 270.00	1 1 ects with multiple itoring and mainta or development a anywhere from 5 SF SF EACH EACH	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin (4hr @\$45/hr) (6hr @\$45/hr)	annual events; g)	\$ \$ \$ \$ \$ \$	6,124 8,165
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Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of wetland or aquatic area mitigation Larger than 5,000 sq.ft. but < 1 acre -buffer mitigation only	of Construction 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35 \$ 180.00 \$ 270.00 \$ 360.00	1 1 1 ects with multiple itoring and mainto or development a anywhere from 5 SF EACH EACH EACH	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin (4hr @\$45/hr) (6hr @\$45/hr) (8 hrs @ 45/hr)	annual events; g)	\$ \$ \$ \$ \$ \$	6,124 8,165
Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of buffer mitigation Larger than 1,000 sq. ft. but less than 5,000 sq.ft. of wetland or aquatic area mitigation Larger than 5,000 sq.ft. but < 1 acre -buffer mitigation only Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area mitigation Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area mitigation Larger than 1 acre but < 5 acres - buffer and / or wetland	of Construction 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35 \$ 180.00 \$ 270.00	1 1 ects with multiple itoring and mainta or development a anywhere from 5 SF SF EACH EACH	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin (4hr @\$45/hr) (6hr @\$45/hr)	annual events; g)	\$ \$ \$ \$ \$ \$ \$ \$	6,124 8,165
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Mobilization Contingency INTENANCE AND MONITORING Maintenance, annual (by owner or consultant) Less than 1,000 sq.ft. and buffer mitigation only Less than 1,000 sq.ft. with wetland or aquatic area mitigation Larger than 1,000 sq.ft. but less than 5,000 sq.ft. of buffer mitigation Larger than 1,000 sq.ft. but less than 5,000 sq.ft. of wetland or aquatic area mitigation Larger than 5,000 sq.ft. but < 1 acre -buffer mitigation only Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area mitigation Larger than 5,000 sq.ft. but < 1 acre with wetland or aquatic area mitigation Larger than 1 acre but < 5 acres - buffer and / or wetland or aquatic area mitigation Larger than 5 acres - buffer and / or wetland or aquatic	of Construction 10% 30% NOTE: Proj longer mon case basis f be assessed \$ 1.08 \$ 1.35 \$ 1.80.00 \$ 270.00 \$ 360.00 \$ 450.00 \$ 1,600.00	1 1 1 ects with multiple toring and maint or development a anywhere from 5 SF EACH EACH EACH EACH EACH DAY	enance terms. Mo pplications. Mo to 10 years.	This will be evaluate onitoring and mainta (3 X SF total for 3 Includes monitorin (3 X SF total for 3 Includes monitorin (4hr @\$45/hr) (6hr @\$45/hr) (8 hrs @ 45/hr) (10 hrs @ \$45/hr)	annual events; g)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	6,124
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Total \$22,391.94

APPENDIX B – Site Plan





EROSION AND SEDIMENT CONTROL NOTES

King County

Ref: KCC 21a 12,030

Ref: KCC 21a.12.170

Department of Permitting

and Environmental Review

Max. Impervious Surface Allowed

Max, Bldg, Height Allowed

Min. Blg. Setback From Street

Min. Garage Setback From Street

Min. Blg. Setback From Interior

Permit Center validation:

Validated Signature

Login Initials

Signature:

Signature:

Signature:

Signature: Date:

Permit Number:

Fire Approval

Date:

Date:

Date:

Zoning

Site Review Not Applicable

Engineering / Drainage Approval

Critical Areas Approval

Clearing / Grading Approval

____ Date:

Residential Site Plan Template

70%

35'/45'

10'

20'

5'

- NOTION AND SEDIMENT COMPILENT CONTINUE (SS) PUN DOS NOT CONSTITUTE AN APPROVAL OF PERMINENT ROUTION CONTRACT (SS) PUN DOSS NOT CONSTITUTE AN APPROVAL OF PERMINENT ROUTION CONTRACT (SS) PUN DOSS NOT CONSTITUTE AN APPROVAL OF PERMINENT ROUTION OF DRAFT (SS) PUN DOSS NOT CONSTITUTE THE MELBORINATION OF THESE SS: PUNS NO THE CONSTITUCION, MANTENNARC, REFLACEMENT, AND URRADING OF THESE SS: PAULIES IN THE REFLAISTICTION, MANTENNARC, REFLACEMENT, AND URRADING OF THESE SS: PAULIES IN THE REFLAISTICHT (SS) PUNCTURES SS) PUNCTURES IN THE ROUTINENT SS: PROVIDED, THE REFLAISTICHT (SS) PUNCTURES SS) PUNCTURES SUPER'S THE CONTRACT (SS) PUNCTURES (SS) PUNCTURES SS) PUNCTURES SUPER'S THE CONTRACT REGULARED, PROR TO CONSTRUCTION (SS) MAPPENDEX ()), DURING THE CONSTRUCTION CON DOSTUBURANCE REFORM TO CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION CON DOSTUBURANCE REFORM TO CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION CON DOSTUBURANCE REFORM TO CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION CON DOSTUBURANCE REFORM TO CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION OF DURING MAPPENDEX ()) THE APPLICATIVES SUPERVISOR FOR THE DURING THE CONSTRUCTION PUNCTION DURING PUNCTION (SS) MAPPENDEX ()) CONSTRUCTION OF CONSTRUCTION CON DISTUBURANCE MAIL BE CLEARED TO THE CLEARED FOR CONSTRUCTION (SC) PUNCTION (SC) CONSTRUCTION OF CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION (SC) CONSTRUCTION OF CONSTRUCTION (SS) MAPPENDEX ()) CONSTRUCTION (SC) CONSTRUCTION CON DISTUBURANCE MAIL BE CLEARED TO THE CLEARED AND ()) CONSTRUCTION (SC) CONSTRUCTION CON DISSUER MAPPENDEX ()) DURING THE CONSTRUCTION (SC) CONSTRUCTION (SS) MAPPENDEX ()) DURING THE APPLICATION (SC) CONSTRUCTION (SS) MAPPENDEX ()) DURING THAT THE DURING THE CONSTRUCTION (SC) CONSTRUCTION (SS) PUNCTION (SS) MAPPENDEX (SS) CONSTRUCTION (SC) CONSTRUCTION (SS) MAPPENDEX (SS) DURING THAT THE DURING THE OND (SC) CONSTRUCTION (SS) MAPPENDEX (SS) DURING THAT THE DURING (SS) MAPPENDEX (SS) DURING THAT THE DURING (SS) MAPPENDEX (SS) DURING (SS) MAPPENDEX (SS) DURING (SS) MAPPENDEX (SS) DURING (SS) MAPPENDE

CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/SES SUPPOSED FROM THE DURATION OF OWSTRUCTION. STABLEDD CORE TRUCTOR DIFFUNCES SHALL BE INSTALLED. THE EGENING OF CONCENTION THAT SHALLEDD CORE TRUCTOR DIFFUNCES SHALL BE INSTALLED. THE EGENING OF CONCENTION WILL WASH SYSTEMS FOR WORK PAINS, MAY REPORTED TO SUPPOSE THAT LIA PAPEA PRAFT RASK ARE KEPT LEAN AND TRACK OUT TO ROAD ROAT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE FRANCEY. LEAN AND TRACK OUT TO ROAD ROAT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE FRANCEY. LEAN AND TRACK OUT TO ROAD ROAT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE FRANCEY. LEAN AND TRACK OUT TO ROAD ROAT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE FRANCEY. THE ESS FAULUES SHOWN ON THIS FAN AND THE CONSTRUCTURE PROFT TO SUFFACE WARES, DRAMME, STELEN, AND AUADATION FRANCEY. THE SC FAULUES SHOWN ON THIS FAN ARE THE MINUM REQURRED/FOR ON ROAD MONTON OF THE SC FAULUES SHOWN ON THIS FAN ARE THE MINUM REQURRED/FOR AND ROATID OFTE FOR MURPHYLING THE PARAMENT FOR THE TRANSPORT OF SUMPART TO SUFFACE WARES, DRAMME, DRAMME, AND ROAD TO ROAD STELE SC FAULUES SHOWN ON THIS FAN ARE THE MINUM REQURRED/FOR AND ROATID OFTE FOR MURPHYLING THE PARAMENT AND ROAD TO ROAD STELE SC FAULUES AND ROAD STELES ADDITIONAL CORE MEASINGS, ADDITIONAL SUMP PLAYER, RELOCATION OF DITIONES AND SLIT FERCES. PREMEETER ROAD AUGUSTED ACCURATE FOR AND AND AND THE SC FAULUES ADDITIONS (FILL ADDITIONAL CORE MEASINGS ADDITIONAL SUMP PLAYER, RELOCATION OF DITIONES AND SLIT FERCES.

PERIMETER PROTECTION ETC.). THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSIFIC CONTINUED PROPER FUNCTIONING, WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF

TO ESCANE, CONTINUED HYDROLF VIRCINIUMS, WHITLIN HELCHUS SHALL BE KEPT OF WEALT HELEHS N HE SCS FALIDIESED SOLLS, NICLIDING RANDWAY EMBANKAMENTS, THAT WILL NOT BE DISTURBED FOR THO DAYS DIRING THE WET SEASON OR SCYEIN DAYS DIRING THE EMY SEASON SHALL BE MUREI/TELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, DAYS DIRING DIRING DIRING DIRING DIRING THE DAYS SASON SHALL BE MUREI/TELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, DAYS DIRING DIRING

ETC.). ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN

9. SEVEN (7) DAYS. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A 10,

10. THE SEY FACILIES ON NACTHE STES SHALL BE NEPECIDE AND MAINTAND A MINIMA OF NORMA MUNITHOR MAINTAND A MINIMA OF NORMA STORE SERVICE AND MAINTAND A MINIMA STORE AND STORE

MANUAL 14. RPORT TO THE REGNAING OF THE INET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVERED TO IDENTITY WHICH ONES CAN BE SEEDED IN REPRAATION FOR THE WITTER RANS, DISTURBED AREAS SHALL BE SEEDED WHITI NOW ENDER OF THE REGNAINO OF THE WET SEASON. A SECTION LAND OF THOSE AREAS TO BE SEEDER AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITED TO THE CITY INSPECTOR FOR REVEN.

SILT FENCE NOTES

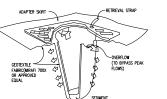
I. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVDID USE OF JOINTS, WHEN JOINTS ARE NECESSARY, FILTER CLITH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM E-NCH OVERLAY, AND SECURETY FASTERIES AT BOTH RIDS. TO POSTS. 2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINMUM OF 30 INCHES). 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOFF FROM THE BARRER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.

⁶⁷ FOIDS AND UPSIDE THOM THE BARREL THIS TREAT STALL BE BARAFILLD WITH WARDL WARDL MENT STADWARD STREMM THE THE REPORT IN STATE STATES AND ADDRESS AND ADDRES

TREES. 6. WHEN EXTRA-STRENGTH FUTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FONCE WAY BE ELIMMATED IN SUCH A CASE, THE FUTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVIDED OF ADJIVE TO STAPPTING. 7. FUTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY THE FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY

STABLIZED. 8. FLTER FARME FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DALY DURING PROCINCID RAINFALL MY REQUIRED REPARES SHALL BE MADE IMMEDIATELY. 9. SILT FENCES WILL BE INSTALLED PARLLEL TO INY'S COPE CONTOURS. 10. CONTROUMS, LINGIH TO FENCE WILL NOT BE GREATER THAN TOO FETT. 11. DO NOT INSTALL BELOW AN

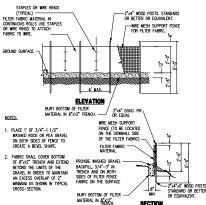
OUTLET PIPE OR WEIR. 12. INSTALL DOWN SLOPE OF EXPOSED AREAS. 13. DD NOT DRIVE OVER OR FILL OVER SILT FENCES.



ACCUMULATOR PROVIDE CB INSERT "STREAMGUARD FOR SEDIMENT" OR APPROVED EQUAL MANUFACTURER'S NAME: FOSS ENVIRONMENTAL Address: 200 SW Michigan Street Seattle, Wa 98106 Telephone: For Information: (800) 909–3677

CB SEDIMENT PROTECTION 1 NTS

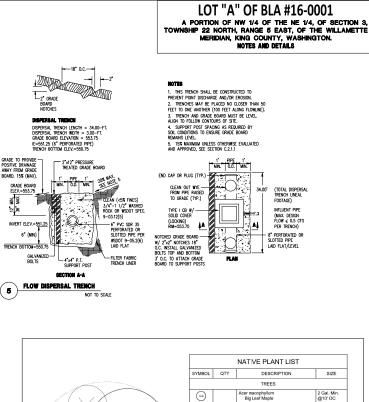


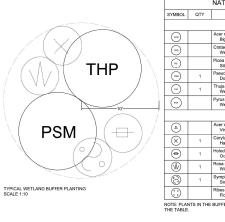


SILT FENCE DETAIL

3

 $P = 10^{\circ} MN$







NOTE: PLANTS IN THE BUFFER CAN BE SUPPLEMENTED WITH PLANTS IN THE TABLE.



1 MATERIAL SHALL RE 4 INCH TO 8 INCH QUARRY SPALLS (4 TO 6 INCH FOR

2. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK AND 50 FEET LONG

2. THE ROAD PAU STALL BE AT LEAST 12 NOTES THOL AND 30 FEEL OF (20 FEET FOR STES WITH LESS THAN 1 ACRE FOR FORSTWEED SOUL), WOTH SHALL BE THE FULL WOTH OF THE VEHICLE MORESS AND EGNESS AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESDENTIAL AND SMALL COMMERCIAL STES.

3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.

4. IF THE PAD DOES NOT ADEQUATELY REMOVE THE MUD FROM THE VEHICE WHEELS, THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICE ENTERS A PAVED STREET. THE WASHING SHALL BE ADMIC ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL BRAN TO A SEDMENT RETINION FACILITY OR THROUGH A SLIT FORCE.

RESDENTIAL SINGLE FAMILY LOTS AND ANY BE TOP-DESSED WITH 1 INCH TO 3 INCH ROCK. (STATE STANDARD SPECIFICATIONS, SECTION 8-15.)

12" MIN.

4"-8" QUARRY SPALLS