

AMENDMENT NO.6 TO THE AGREEMENT FOR PROFESSIONAL SERVICES

THIS AMENDMENT NO. 6 TO THE AGREEMENT FOR PROFESSIONAL SERVICES (“Amendment No. 6”) dated September 29, 2022, and subsequently amended on March 7, 2023, May 24, 2023, July 28, 2023, September 28, 2023, and November 28, 2023 is entered into as of this 23rd day of January 2024, by and between Snohomish County, a political subdivision of the State of Washington (the “County”), and Bratslavsky Consulting Engineers, Inc., a corporation incorporated in the State of Alaska and registered and licensed to do business in the State of Washington (the “Contractor”).

NOW, THEREFORE, for and in consideration of the mutual promises and benefits conferred on both parties, the parties agree to amend the Agreement as follows:

1. Section 1, Purpose of Agreement; Scope of Services, shall be amended to include services for Phase 2: design and engineering documentation including 60%, 90%, 100% design specifications, cost estimates, permitting support, SEPA checklist, and developing scope and fee proposal for Phase 3 (bidding and construction support), as further detailed in Exhibit A-6, attached hereto and incorporated herein by this reference.

2. Section 2, entitled “Terms of Agreement; Time of Performance” shall be deleted and amended as follows:

This Agreement shall be effective upon mutual execution by the parties (“the Effective Date”) and shall terminate on June 30, 2025. Provided however that the term of this Agreement may be extended or renewed for up to two (2) additional two (2) year terms, at the sole discretion of the County, by written notice from the County to Contractor. The Contractor shall commence work on the Effective date and shall complete the work required by this Agreement no later than June 30, 2025 (with anticipated potential Agreement amendment for Phase 3). Provided however that the County’s obligations after December 31, 2024, are contingent upon local legislative appropriation of necessary funds in accordance with the County Charter and applicable law. Additionally, this agreement does not guarantee the County will enter into an agreement (or amendment to this Agreement) with Contractor for Phase 3 for bid and construction support for the Whitehorse Trail Design and Improvements project.

3. Subsections a and f, of Section 3, “Compensation,” shall be amended to include the following language:
 - a. Services. The County will pay the Contractor for the services added by Amendment 6 as set forth in Exhibit B-6, which is attached hereto and by this reference made a part of this Agreement.

September 13, 2023

BCE Reference # 2044.21

**Whitehorse Trail Design and Improvements
Phase 2 Scope of Work**

Under Phase 1, on November 9 and 10, 2022, Bratslavsky Consulting Engineers, Inc. (BCE) performed a site investigation of the Whitehorse Trail on the Arlington side of the trail, at two landslide sites and the washout slide on the Darrington side of the trail.

Based on the observed conditions, BCE developed three options and concept drawings for repair of the trail, around each of the two slide areas and three alternate route options at the Darrington side connecting the trail back to its original alignment. BCE's Phase 1 deliverables included:

- Survey of Arlington slide area and the Darrington washout area
- Draft & Final Channel Migration Zone Reports
- Draft and Final Geotechnical Report along with concept designs
- Draft and Final Darrington Reroute Options along with concept designs
- Draft and Final Critical Areas Report

Phase 2 of the Whitehorse Trail Design and Improvements will include design and preparation of engineering documentation including 60%, 90% and 100% design, design specifications, cost estimates, permitting support, SEPA checklist and fees for Phase 3 (bidding and construction support) at both Arlington and Darrington sites. Phase 2 of the project will include design effort for the following selected options (drawings are enclosed):

WEST END OF THE TRAIL (Arlington):

- a. Option 3A for the larger landslide site, with the engineered structure on top of the bedrock.
- b. Option 1B for the shoulder landslide site. Stabilize the slope with a medium that can be planted (not rock), especially within the shoreline buffer. Preference is to avoid piping storm water from the ditch directly into the river in the new location and trying to reestablish the old drainage patterns within the ditch system.
- c. Include re-surfacing design for the entire 3 miles of the west end of the corridor (connection to Centennial Trail to Bridge 701).

EAST END OF THE TRAIL (Darrington):

- a. Alternate 2 to reroute the trail from the original alignment, onto the ridge line above the erosion area. Starting at the existing route just west of 435th Ave NE turning southwest and proceeding up the embankment, maintaining a minimum of 200 feet from the river and proceeding 75 feet North around the mapped wetlands and re-connecting with the existing trail.

BCE will begin this project with a project kick off meeting with the County and all stakeholders. BCE will conduct a site visit shortly proceeding the kickoff meeting. The site visit will include civil and geotechnical engineers, surveyors, and permitting specialist.

Survey

BCE will conduct survey at both the Arlington and Darrington sites. Survey will include:

- Arlington Centerline Survey for 3 miles of trail for resurfacing.
- Darrington Survey for realignment of the trail in accordance with BCE Phase I, Alternative 2 or 3 and survey for easement legal description.

Geotechnical

BCE will conduct Geotechnical exploration including boring logs and geotechnical laboratory testing results to be included in the Draft and Final Geotechnical Report. Additional Exploration permitting is included for: Shoreline management permit, SEPA Exemption Letter, ESA/EFH No Effect Letter for the Arlington site.

Engineering 60% Design

As part of BCE's 60% Design BCE will create the following:

- 60% Drawings
- 60% Specifications
- 60% Cost Estimate
- JARPA Permit Drawings and Narrative
- Endangered Species Act narrative of equipment, staging and access
- Restoration Plan drawings, project impacts
- Shoreline Management site plan and narrative
- WDFW Hydraulic Project Approval drawing set
- Critical Areas Site Plan
- TESC plan sheets for construction
- 60% Design Review Meeting and comment responses

Engineering 90% Design

- 90% Drawings
- 90% Specifications
- 90% Cost Estimate
- 90% Design Review Meeting and comment responses

Permitting

BCE will provide the following permitting scope:

- JARPA (only Arlington site required).
- Coordination for CWA Section 401 Water Quality Certification (only Arlington site required).
- Endangered Species Act (Only Arlington site required).
- County will provide Cultural Resources (Only Arlington site required).

- Restoration Plans to provide narrative, drawings, plant species, etc. to be incorporated in plans and specs.
- Mitigation consulting is included, the County will have 3 options:
 - Utilizing the current project at the Traften Restoration. The County might be able to use for mitigation and would need to lead efforts.
 - If the County does not want to use the Traften site, we can use a wetland mitigation bank, but it is 3 miles away from our project site. This would require the County to make the case.
 - Onsite mitigation is not feasible and expensive, with many years of monitoring required. Option 3 would be to look elsewhere at other County owned parcels (more costly option).
- Shoreline Management Plan for both sites, both will require pre-application meeting.
- BCE will complete SEPA Checklist, for County to process.
- BCE will complete Coastal Zone Management forms.
- Coordinate and provide drawings for WDFW Hydraulic Project Approval.
- Provide site plan for Critical Areas for both sites.

Engineering 100% Design

- 100% Drawings
- 100% Specifications
- 100% Cost Estimate

DETAILED SCOPE OF WORK AND ASSUMPTIONS/CLARIFICATIONS

0101 Phase 2 - Project Coordination & Meetings

All meetings, unless noted otherwise, will be virtual or telephonic.

- 1.1 Monthly progress meetings with Snohomish County. Informal meeting notes summarizing the discussion will be provided by e-mail. For budgeting purposes, a total of twelve (12) meetings were included.
- 1.2 Review meetings at 60%, 90%, and 100% design milestones, including preparation of agenda/meeting minutes.

0102 Phase 2 - Site Analysis/Existing Conditions

2.1 Survey:

This work will be performed by Cascade Surveying & Engineering, Inc. BCE will coordinate with the surveyor regarding information needed for BCE design engineers to perform design work and provide quality control of the survey deliverable. The survey will include:

- At Arlington: Survey horizontal and vertical position of the as-built White Horse Trail centerline for 3 miles between Centennial trail and Bridge 701.

- At Darrington: Topographic survey of 50' wide strip depicted in alternative 2 Darrington site, with 2' contours.
- At Darrington: Prepare legal description for 1.07 acres to be attached to the easement agreement. The work will include field survey connecting previously surveyed topo area to government corners, writing up legal description over easement area, and drafting an exhibit reflecting easement.

Assumptions:

- No boundary survey will be performed.
- No ordinary high-water line of the river survey will be performed.

Deliverables:

- A large-scale worksheet reflecting topographic survey with contours will be provided as a deliverable for both sites.

2.2 Geotechnical Exploration:

This work will be performed by geotechnical engineers of Shannon & Wilson, Inc. and will include subsurface explorations, laboratory testing, and geotechnical analysis and reporting. BCE will coordinate on-site work between geotechnical subconsultant and the County; BCE engineers will work closely with the geotechnical professionals on confirming findings and refining design based on these findings and geotechnical recommendations and provide quality control review of the deliverables.

Subsurface Explorations and Laboratory Testing

We propose to conduct a subsurface exploration plan consisting of three or more test pits at the Arlington landslide site and four hand borings along the Darrington trail realignment segment to characterize the subsurface conditions for the preferred design alternatives. Prior to performing subsurface explorations, we will mark the proposed exploration locations using white paint and flags, and request a public utility locate to identify potential conflicts with existing utilities near the proposed boring locations. We will also provide a map showing the proposed boring locations and the limits of the public utility locate.

Site exploration will be performed via a track-mounted excavator to excavate the test pits. We anticipate the excavator will access the site from the trailhead near Arlington and that the machine and operator will walk approximately 1.4 miles along the trail to reach the site. Once at the site, the excavator will complete minor earthwork to create access onto the top of the landslide debris mass to facilitate test pit excavation along the lower slope and within the landslide debris. We will coordinate trail access and trail user warning and safety requirements with Snohomish County Parks and Recreation. Hand boring depths may vary depending on field and soil conditions.

Geotechnical laboratory testing will be performed to provide data on the physical characteristics and identification of subsurface materials. The testing is expected to include standard soil classification and index testing, including:

- Visual-manual classification (ASTM D2488) on all samples,

- Water content determination (ASTM D2216) on all samples,
- Atterberg (plasticity) Limits (ASTM D4318) on up to six selected samples, and
- Particle-size analyses and sieve analyses (ASTM D6913) on up to 24 selected samples.

A geologist will classify the soil samples and identify subsurface stratigraphy based on the field and laboratory test data. The subsurface soil and groundwater data will be presented in boring logs that will be included in the Geotechnical Data Report.

Assumptions:

- Excavated soil will not contain reportable levels of environmental contamination. This scope of services does not include recommendations for the handling, treatment, and disposal of contaminated soil, groundwater, or surface water.
- Test pit and hand boring locations will be marked in white paint to facilitate the utility locate request.
- The subsurface investigation fieldwork will be completed in two days.
- Cultural resources coordination, if needed, will be performed by the County.
- Soil samples will be stored for 90 days after completion of the borings, after which time we will dispose of the samples. The samples can be stored for a longer period at an additional cost.

Deliverables:

- Boring logs and geotechnical laboratory testing results to be included in the Geotechnical Report.

Exploration Permitting

We understand that the subsurface explorations at the Arlington site will be located within wetland and/or buffer, and at both sites (Arlington and Darrington) the explorations will be located within shoreline jurisdiction. We will prepare the following permit applications and supporting documents in support of the explorations:

- Snohomish County Exemption for Shoreline Substantial Development Permit: The project explorations appear to meet the exemption criteria in SCC 30.44.120.1.I. We will provide the County with one Shoreline Management Permit Exemption Request Letter form that describes the explorations at both the Arlington and Darrington sites.
- State Environmental Policy Act (SEPA) Exemption: We anticipate that the explorations will be determined by the County to be SEPA exempt under WAC 197-11-800(17) for Information Collection and Research. We will provide the County with one SEPA exemption letter that addresses the explorations at both the Arlington and Darrington sites.
- Clean Water Act (CWA) Section 404 Permit: We anticipate that the Arlington site explorations will be in the site wetland and can be completed under a CWA Section 404 Nationwide Permit (NWP) No. 6 (Surveys) and No. 5 (Scientific Instrumentation) from the U.S. Army Corps of Engineers (Corps). We assume that the explorations will have No Effect on federal Endangered Species Act (ESA)-listed species and essential fish habitat (EFH) protected under the Magnuson-Stevens Fishery Conservation and Management Act and that the explorations will be located outside of sensitive cultural resources, if present.

Therefore, these NWP's can be processed without a Pre-Construction Notification (PCN) to the Corps.

- ESA No Effect Letter: For the Arlington site explorations, we will prepare a letter documenting that the Arlington site explorations will have no effect on species listed under the federal ESA and EFH.

Assumptions:

- Cultural resources survey will be performed by the County.
- The Arlington site explorations in wetlands can be processed under a non-reporting (no PCN) Corps CWA Section 404 NWP 6 and NWP 5.
- A CWA Section 401 Individual Water Quality Certification will not be required from the Washington State Department of Ecology (Ecology).
- The Arlington site explorations will support “No Effect” determinations for ESA and EFH determinations.
- A hydraulic project approval will not be required by the Washington State Department of Fish and Wildlife (WDFW).
- Local permit fees will be paid by the County.

Deliverables:

- Shoreline Management Permit Exemption Request Letter, one to address both sites.
- SEPA Exemption Letter, one to address both sites.
- ESA/EFH No Effect Letter for the Arlington site.

Geotechnical Analysis and Reporting

This task will include both the geotechnical analysis and reporting based on our findings. The Geotechnical Report will include a description of the work performed, including the boring logs and a summary of laboratory test results and a discussion of site conditions including the groundwater conditions. The Geotechnical Engineering Report will contain geotechnical recommendations and geotechnical construction considerations for proposed improvements. We anticipate these recommendations will include:

- Site seismic design parameters in accordance with International Building Code 2018.
- Slope stability analysis.
- Recommendations for subgrade preparation for native soils.
- Recommendations for backfill placement and compaction.
- Slope excavation construction considerations.
- Groundwater control considerations, if applicable.

Deliverables:

- Draft Geotechnical Engineering Report (electronic format only).
- Final Geotechnical Engineering Report (electronic format only).

2.3 Engineering Site Visit:

BCE Civil Engineer will investigate the project area to confirm conditions and collect additional information for development of selected design options. BCE will also coordinate surveys and geotechnical exploration of the project site.

0107 Phase 2 - 60% Design

BCE will prepare a single 60% design submittal package for both Darrington and Arlington sites for Snohomish County's review. The package will include drawings, specifications in CSI format, and engineer's cost estimate. All the drawings will be Civil Drawings and will include a cover sheet, general notes and vicinity map, a survey control sheet (this will most likely be a V Sheet); trail plan and profile sheets for Arlington site and Darrington site. (The Arlington site will have three miles of trail showing the alignment and limits of work, the Darrington site will have the alignment and limits of cut and fill shown.), typical sections for the trail, most likely 50 or 100' foot sections of the Arlington slide area and Darrington trail re-alignment, and details. Specifications will be in CSI format and will include Division 1 and technical sections. Shannon & Wilson will provide design support.

0108 Phase 2 - 90% Design

Upon receipt and resolution of comments from the County on BCE's 60% submittal, BCE will prepare a single 90% design submittal package for both Darrington and Arlington sites for the Snohomish County's review. The package will include drawings, specifications in CSI format, and engineer's cost estimate. All the drawings will be Civil Drawings and will include a cover sheet, general notes and vicinity map, a survey control sheet (this will most likely be a V Sheet); trail plan and profile sheets for Arlington site and Darrington site. (The Arlington site will have three miles of trail showing the alignment and limits of work, the Darrington site will have the alignment and limits of cut and fill shown.), typical sections for the trail, most likely 50 or 100' foot sections of the Arlington slide area and Darrington trail re-alignment, and details. Specifications will be in CSI format and will include Division 1 and technical sections.

0109 Phase 2 - 100% Final Construction Documents

Upon receipt and resolution of comments from the County on BCE's 90% submittal, BCE will prepare a single 100% design submittal package for both Darrington and Arlington sites for the Snohomish County's final review. The package will include drawings, specifications in CSI format, and engineer's cost estimate. All the drawings will be Civil Drawings and will include a cover sheet, general notes and vicinity map, a survey control sheet (this will most likely be a V Sheet); trail plan and profile sheets for Arlington site and Darrington site. (The Arlington site will have three miles of trail showing the alignment and limits of work, the Darrington site will have the alignment and limits of cut and fill shown.), typical sections for the trail, most likely 50 or 100' foot sections of the Arlington slide area and Darrington trail re-alignment, and details. Specifications will be in CSI format and will include Division 1 and technical sections. Once 100% package is reviewed and approved by the Snohomish County, BCE will stamp and sign the design to be issued for bidding.

0110 Phase 2 – Permitting

This work will be performed by Shannon & Wilson, Inc permitting specialists and will include natural resource and environmental permitting services that we understand will be needed to support the project’s design phase for both the Arlington and Darrington sites. BCE will provide coordination between Shannon & Wilson, the County and regulatory agencies and will prepare separate design sets as required for submittal with permit applications, participate in coordination meetings with the regulatory agencies and perform quality control on permit applications and submissions.

Joint Aquatic Resource Permit Application

To support the Arlington site design, we will prepare a Joint Aquatic Resources Permit Application (JARPA) to apply for the CWA Section 404 permit from the Corps and the CWA Section 401 Water Quality Certification (WQC) from Ecology. Given that the County’s chosen alternatives will result in less than 0.5 acre of direct impacts to waters of the U.S., we anticipate that the Arlington site can be processed under NWP No. 14 (Linear Transportation Projects) or NWP No. 42 (Recreational Facilities) and will require a Section 401 Individual WQC.

Assumptions:

- Cultural resources services are not included in this proposal.
- Section 106 of the National Historic Preservation Act-associated effort, survey, documentation, and coordination will be completed by the County.
- The County will submit the JARPA to the appropriate agencies and will serve as the main agency point of contact for all permit coordination.

Deliverables:

- JARPA form (draft and final). BCE will provide separate design plans set to accompany the form.

CWA Section 401 Water Quality Certification

A CWA Section 401 Individual WQC will be required for the Arlington site. We will prepare a Pre-Filing Meeting Request form and submit it to Ecology and will plan for one meeting with Ecology. After 30 days have passed, we will prepare the 401 Request Form and a Water Quality Monitoring and Protection Plan.

Deliverables:

- Pre-Filing Meeting Request Form
- 401 Request Form
- Water Quality Monitoring and Protection Plan (draft and final)

Endangered Species Act Documentation

Documentation of potential effects to federally-listed Endangered Species is required for the Arlington site to evaluate potential impacts to ESA species and designated critical habitat, as well as EFH protected under the Magnuson-Stevens Fishery Conservation and Management Act. We anticipate that the Arlington design will support a “May Affect, Not Likely to Adversely Affect” determination, which will be described within a Biological Evaluation (BE) and avoid formal

consultation with the Services (e.g., the U.S. Fish and Wildlife Service and National Oceanic and Atmospheric Administration’s National Marine Fisheries Service). If it is determined that the proposed project may adversely affect ESA-listed species, we will need to amend our scope of services and cost estimate.

Assumptions:

- The project will not result in a net increase in pollution generating impervious surfaces, which drains waters of the U.S. supporting salmonids.
- Revisions to the BE will not be required after it is submitted to the Corps.

Deliverables:

- Biological evaluation (draft and final). BCE will prepare project narrative, as well as supplemental information regarding sequencing methods, staging areas, etc. to accompany the submission.

Restoration Plan

Temporary impacts are anticipated at both the Arlington and Darrington sites. Because the temporarily disturbed areas are within either wetland, buffer, or shoreline jurisdiction, site restoration will be expected at both sites to the greatest extent practical. We will prepare one restoration plan for each site detailing how the Construction Contractor should restore (e.g., regrade, decompact, and plant) the areas following construction.

Deliverables:

- Arlington Site Restoration Plan (draft and final). BCE will develop restoration plan sheets showing areas that will be temporarily impacted to accompany submission.
- Darrington Site Restoration Plan (draft and final). BCE will develop restoration plan sheets showing areas that will be temporarily impacted to accompany submission.

Preliminary Mitigation Support

The Arlington site will result in permanent impacts to wetland and buffer. County code requires that impacts be offset through on-site, in-kind mitigation, when possible, followed by off-site mitigation within the same sub-drainage basin. Conversely, a Corps and U.S. Environmental Protection Agency (EPA) 2008 Mitigation Rule established a preferential hierarchy of mitigation options that first prioritizes use of mitigation banks, followed by in-lieu fee programs, and then allows permittee-responsible mitigation as a third option. This hierarchy is reiterated within the Wetland Mitigation in Washington State, Part 1: Agency Policies and Guidance, Version 2, published by the Ecology, the Corps, and EPA in 2021.

We understand that the County may be able to provide mitigation for the Arlington impacts at a proposed restoration project upstream of the Arlington site on the North Fork Stillaguamish River. However, details on potential use of this site are forthcoming. The Arlington site is not within the service area of an approved mitigation bank. However, the limit of the Skykomish Habitat Wetland Mitigation bank service area is located approximately 3 miles south of the Arlington site. If the County restoration project cannot meet the project’s mitigation needs, the project may pursue

approval from the County and the Interagency Review Team to use the off-site, out-of-service area mitigation bank. Otherwise, additional compensatory mitigation options may need to be explored. Because the project mitigation strategy is unknown, County feedback is required. This task only includes coordination with the County on mitigation options.

Assumptions:

- Development of a mitigation strategy, a mitigation plan, or other supporting documents (e.g., Bank Use Plan) tasks are not included in this proposal but can be added for an additional fee.

Shoreline Management Program Permitting

The Arlington and Darrington sites are both located within shoreline jurisdiction and are both Rural Conservancy-designated shoreline environments. The chosen design at each site does not appear to meet the requirements for a shoreline exemption for “normal maintenance or repair.” However, trails and fill placement are permitted uses/modifications within Rural Conservancy shoreline areas and the project could be permitted under a Shoreline Substantial Development Permit (SSDP). We anticipate applying for a SSDP at both sites. Also, some municipality Shoreline Management Programs (SMPs) do not allow wetland fill and/or geohazard alternations in shoreline jurisdiction and the activity may require a Shoreline Variance. Therefore, we have included effort for a Shoreline Variance and hearing examiner’s decision for the Arlington site, should it be needed.

We will attend a pre-application meeting with County Planning Department shoreline staff and will prepare a Request for Pre-Application Meeting form for each site.

We will provide a Master Permit Application and a SSDP/Variance decision criteria consistency analysis for the Arlington site and a Master Permit Application and SSDP decision criteria consistency analysis for the Darrington site. We understand that the Darrington site SSDP will follow the Type 1 permit type classification process, which is an administrative decision made by the County Planning Department and does not require a hearing examination or public comment. We have planned for the Arlington site SSDP/Variance to follow the Type 2 permit process, which will go before a hearing examiner and includes a public comment period. We plan to attend the hearing examiner review and provide support drafting responses to received public and Ecology comments.

Assumptions:

- The Arlington site will require a Shoreline SSDP and Variance.
- The Darrington site will only require a SSDP and will not involve a hearing examiner review, or public comment period.
- The County will take the lead on responding to received public and Ecology comments.
- We will provide support to the County in preparation of hearing examiner presentation materials.

Deliverables:

- Arlington Request for Pre-Application Meeting

- Arlington Site Master Permit Application. BCE will prepare a site plan showing critical areas to accompany submission.
- Arlington Site Draft SSDP/Variance Decision Criteria Consistency Analysis
- Arlington Site Final SSDP/Variance Decision Criteria Consistency Analysis
- Darrington Request for Pre-Application Meeting
- Darrington Site Master Permit Application. BCE will prepare a site plan showing critical areas to accompany submission.
- Darrington Site Draft SSDP Decision Criteria Consistency Analysis
- Darrington Site Final SSDP Decision Criteria Consistency Analysis

SEPA Checklist

Both project sites will require a separate SEPA Checklist. Using the County-provided SEPA Checklist, we will prepare the SEPA documentation with information prepared under other tasks in this scope or readily available online information. This task also includes support in drafting responses to SEPA public comments relevant to natural resources.

Assumptions:

- The County will serve as the SEPA lead.
- The County will provide sufficient cultural resources information to complete the SEPA Checklist.
- No additional discipline specific reports or analyses will be required to complete the SEPA Checklist.

Deliverables:

- Arlington Site SEPA Checklist (draft and final). Design plans set (similar to JARPA) will accompany the checklist submission.
- Darrington Site SEPA Checklist (draft and final). Design plans set (similar to JARPA) will accompany the checklist submission.

Coastal Zone Management Consistency

We will complete the Certification of Consistency with the Washington State Coastal Zone Management (CZM) Program for Activities Requiring a Federal License or Permit form.

Deliverables:

- Certification of Consistency with Washington State CZM Program form

Washington State Department of Fish and Wildlife Hydraulic Project Approval

Although the Arlington site does not involve work below the ordinary high-water mark of the North Fork Stillaguamish River, we anticipate that the WDFW may take jurisdiction over the Arlington site project because of the close vicinity of the project to the river and the past hydrologic connection of the ditch and the river. If WDFW confirms jurisdiction, we will prepare a Hydraulic Project Approval application using the Aquatic Protection Permitting System (APPS). We will provide the text for this application to the client in draft form for review prior to submitting.

Deliverables:

- Draft APPS form
- Final APPS submitted directly to WDFW

Critical Area Site Plan

BCE will provide the critical area site plan to the County Auditor.

Team and Agency Coordination

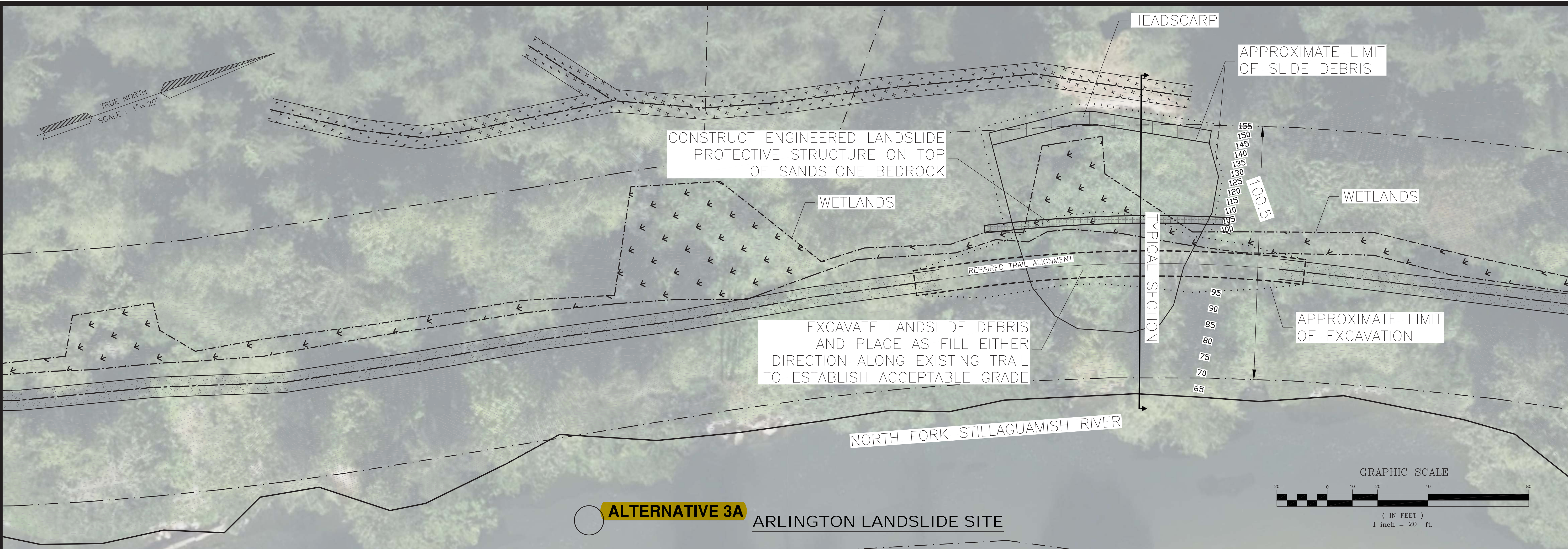
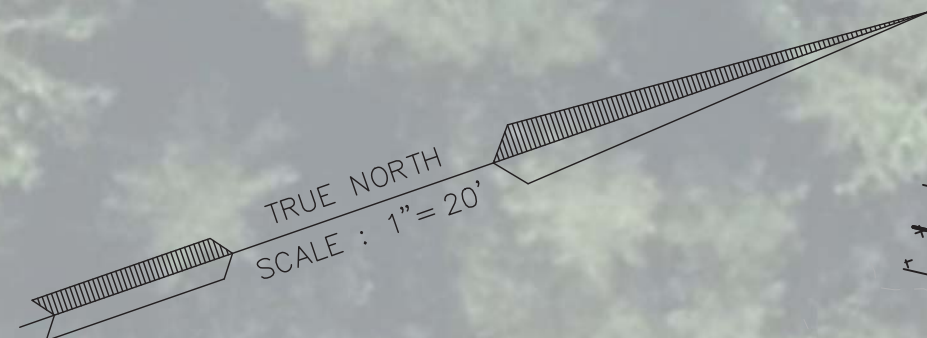
We anticipate providing general support answering team and County questions, assisting with responses to agency questions, and attending two virtual regulatory agency meetings.

Assumptions:

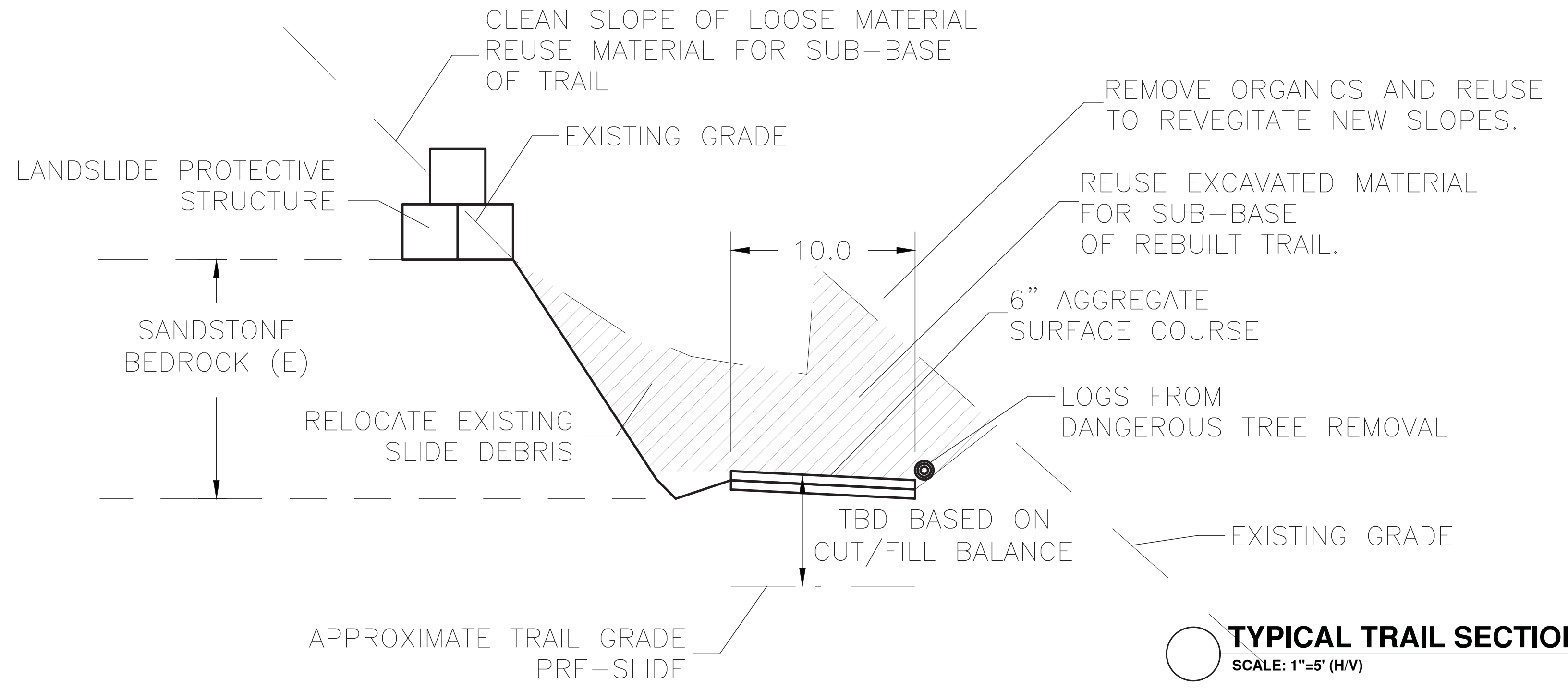
- All deliverables will be provided electronically.
- The County will pay all permit application and processing fees.
- The County will submit all permit application and supporting documents.
- The County will lead all agency communications and interactions.
- No disturbance, including excavation and/or fill, will occur waterward of the North Fork Stillaguamish ordinary high-water mark.
- All team and agency meetings will be virtual.
- A National Pollutant Discharge Elimination System Construction Stormwater General Permit and Stormwater Pollution Prevention Plan will be obtained by/prepared by the Construction Contractor.
- Project-related fill will be outside of the Zone A/AE 100-year floodplain, and floodplain analysis and permitting will not be required.
- We assume that we will be authorized to speak directly with the Corps, Ecology, and WDFW in order to efficiently coordinate and prepare the federal and state permits and approvals they manage.

Additional General Project Assumptions:

- Permitting for both sites will happen concurrently.
- This proposal also does not include environmental or hazardous materials services, wetland delineation and/or ordinary high-water surveying, or hydraulic studies.
- Cultural resources will be completed by the County.
- No structural engineering is included at this time.



ALTERNATIVE 3A ARLINGTON LANDSLIDE SITE



TYPICAL TRAIL SECTION
SCALE: 1"=5' (H/V)

1 INCH

OWNER:
OWNER NAME
STREET ADDRESS
CITY, ZIP CODE
PHONE NUMBER
EMAIL

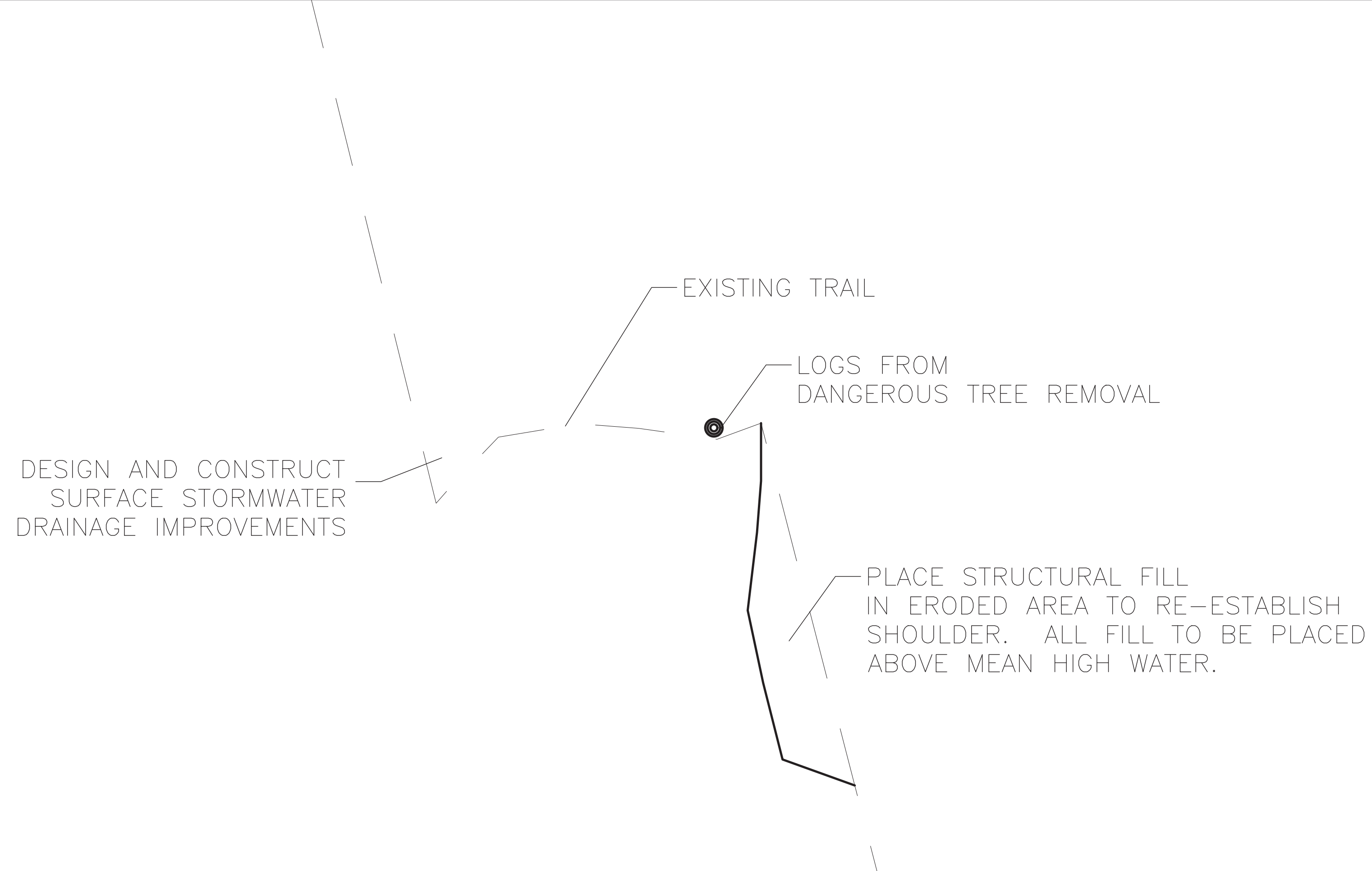
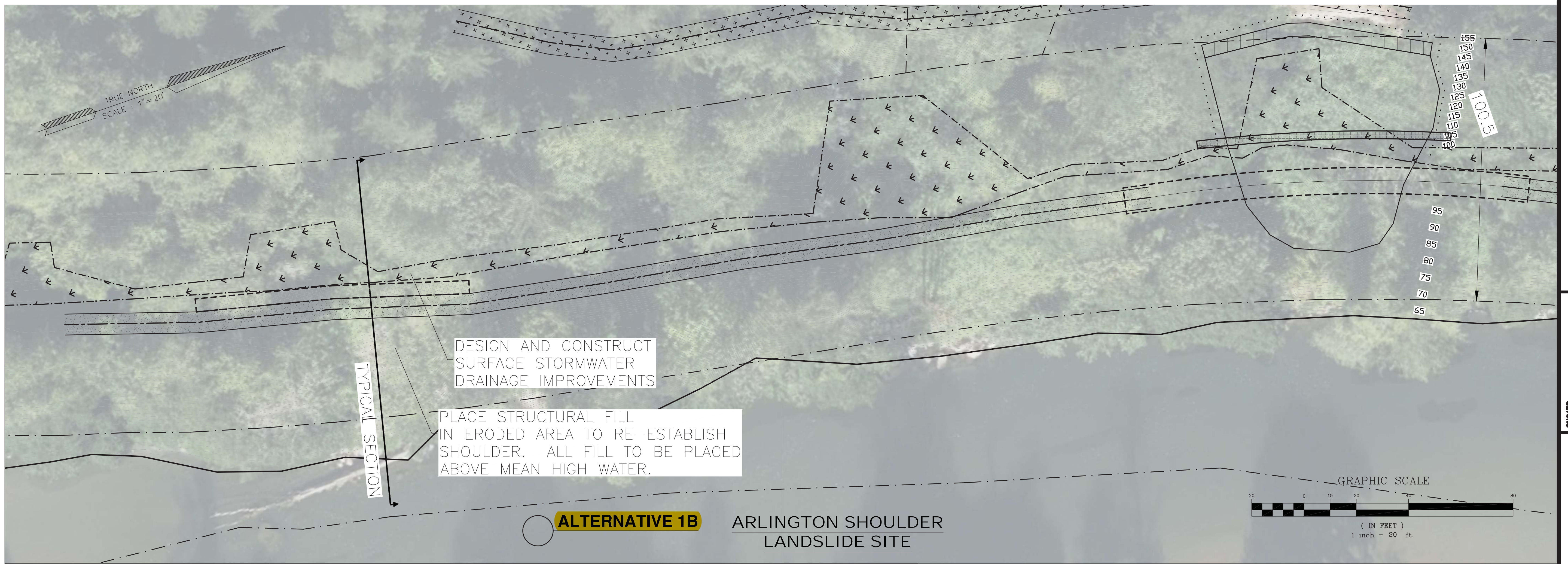
WHITEHORSE TRAIL IMPROVEMENTS
SNOHOMISH COUNTY, WASHINGTON
ARLINGTON SITE

REVISIONS

DRAWN	DRM	CHECKED	SRP	GRID	DATE
					03/16/2023

SHEET

OF X



TYPICAL TRAIL SECTION
SCALE: 1"=5' (H/V)

OWNER:
OWNER NAME
STREET ADDRESS
CITY, ZIP CODE
PHONE NUMBER
EMAIL

WHITEHORSE TRAIL IMPROVEMENTS
SNOHOMISH COUNTY, WASHINGTON
ARLINGTON SITE

REVISIONS	

DRAWN	CHECKED	DATE
DRM	SRP	02/16/2023
GRID		

**Whitehorse Trail Design and Improvements - Proposal for Phase 2
Arlington and Darrington Sites Completed Concurrently**

0108 Phase 2 - 90% Design

Work Breakdown	Principal	Project Manager	Contract Administrator	Senior Engineer/Architect	Engineer/Architect	Staff Cost Estimator	ACAD Technician	Administrative Assistant	Surveyor	Geotechnical Engineer	Biologist/Permitting Specialist
Response to comments		4		4	4			2			
Design Development		8		16	100		80				
Specifications in CSI format		16		8	60						
Engineer's Estimate		4		1		32					
QC and Submittal	2	4		6				4			
Contingency Hours											
Total Hours	2	36		35	164	32	80	6			
Labor Rate	\$233.00	\$193.00	\$100.00	\$189.00	\$125.00	\$113.00	\$107.00	\$69.00			
Labor Costs	\$466.00	\$6,948.00		\$6,615.00	\$20,500.00	\$3,616.00	\$8,560.00	\$414.00			
Sub Total	\$47,119.00										
				Contingency Factor =							

0109 Phase 2 - 100% Final Construction Documents

Work Breakdown	Principal	Project Manager	Contract Administrator	Senior Engineer/Architect	Engineer/Architect	Staff Cost Estimator	ACAD Technician	Administrative Assistant	Surveyor	Geotechnical Engineer	Biologist/Permitting Specialist
Response to comments		4		4	4			2			
Design Development		8		10	40		60				
Specifications in CSI format		8		4	40						
Engineer's Estimate		2		1		16					
QC and Submittal	2	4		6				2			
Stamped and signed package issued for bidding	2	2						2			
Contingency Hours											
Total Hours	4	28		25	84	16	60	6			
Labor Rate	\$233.00	\$193.00	\$100.00	\$189.00	\$125.00	\$113.00	\$107.00	\$69.00			
Labor Costs	\$932.00	\$5,404.00		\$4,725.00	\$10,500.00	\$1,808.00	\$6,420.00	\$414.00			
Sub Total	\$30,203.00										
				Contingency Factor =							

0110 Phase 2 - Permitting

Work Breakdown	Principal	Project Manager	Contract Administrator	Senior Engineer/Architect	Engineer/Architect	Staff Cost Estimator	ACAD Technician	Administrative Assistant	Surveyor	Geotechnical Engineer	Biologist/Permitting Specialist
JARPA		2		4			8				\$ 11,955.00
CWA Section 401 Water Quality Certification		2									\$ 12,725.00
Endangered Species Act Documentation		4		4			8				\$ 18,895.00
Restoration Plans		4		4			8				\$ 17,840.00
Preliminary Mitigation Support		2									\$ 2,940.00
Shoreline Management Plan Permitting		4		4			8				\$ 41,890.00
SEPA Checklist		8									\$ 21,320.00
Coastal Zone Management Consistency		2									\$ 885.00
WDFW Hydraulic Project Approval		2									\$ 5,265.00
Critical Area Site Plan		4		4			8				\$ -
Quality Control/Coordination		20									\$ 5,480.00
Contingency Hours											\$ -
Total Hours		54		20			40				\$ 139,195.00
Labor Rate	\$233.00	\$193.00	\$100.00	\$189.00	\$125.00	\$113.00	\$107.00	\$69.00			
Labor Costs		\$10,422.00		\$3,780.00			\$4,280.00				\$139,195.00
Sub Total	\$157,677.00										
				Contingency Factor =							

0300 Direct Expenses

Description	Qty.	Unit Price	Cost
Mileage (RT Wilsonville - Arlington)	444	\$0.66	\$290.82
Lodging (2 nights 2 people)	4	\$139.00	\$556.00
Per Diem (3 days 2 people)	6	\$74.00	\$444.00
Total Expenses			\$1,290.82