

PROFESSIONAL SERVICES CONTRACT

THIS CONTRACT is made and entered into this _____ day of _____, 2022, by and between CITY OF STEVENSON, a municipal corporation of the State of Washington, and hereinafter referred to as "CITY," and **Harper Houf Peterson Righellis, Inc.**, hereinafter referred to as the "Contractor."

IN CONSIDERATION of the mutual promises, agreements, and covenants contained herein, it is hereby agreed, by and between the parties, as follows:

SECTION I Nature and Scope of Work

Contractor will perform services as set forth in the attached Exhibit "A." Contractor shall make oral reports, and prepare and submit written reports, in such form and frequency as required by CITY.

SECTION II Payment for Services & Expense Reimbursement

A. PAYMENT

Contractor shall be paid by CITY, for the work to be performed hereunder, as set forth in the attached Exhibit "A." Any payment made to Contractor, however, shall not constitute acceptance of the work, or any portion thereof, which is not in accordance with this contract.

B. TRAVEL

Contractor shall be reimbursed for actual transportation costs that are necessary for the performance of this contract, and which are pre-approved by the City Administrator. Any approved air travel by Contractor shall be limited to coach class (restricted fare). Travel by private auto shall be reimbursable at a rate not to exceed the Internal Revenue Service's current mileage reimbursement rate for business related travel. **If the Contractor is based outside Skamania County, any travel to and from the area shall require the prior approval of CITY's Clerk/Treasurer.**

C. TRAVEL EXPENSES

Contractor shall be reimbursed for the actual reasonable subsistence costs incurred, by Contractor, while traveling in performance of the services hereunder, not to exceed State per diem rates.

SECTION III General Terms & Conditions

A. DURATION

This contract shall commence as of the date indicated below, and shall continue **until December 31, 2025** or until terminated by either party giving the other party thirty (30) days written notice of such termination. Notice shall be deemed to have been given at the end of three (3) working days, after the deposit of the same in the United States mail, addressed to the other party, postage prepaid, at the address of the parties as hereinafter stated. In the event of cancellation by either party, the notice may specify the services that are to be performed after receipt of the notice until the date of termination. Unless stated otherwise, Contractor shall perform no further services upon receipt of notice of the termination. On or before termination or expiration of the thirty (30) day period, Contractor agrees to deliver to CITY all records, notebooks, files, materials, reports, data, and other information pertaining to the services performed for CITY. In the event of termination, CITY shall pay Contractor for all contract costs incurred prior to termination. Contractor shall not be entitled to compensation for lost profits or expectations of profit due to CITY's early termination of this contract.

B. RELATIONSHIP OF THE PARTIES

Contractor is an independent contractor of CITY. Nothing contained herein shall be deemed to create a relationship of employer and employee or of principal and agent. Unless specifically restricted by this agreement, Contractor may hold itself out to the general public for the provision of similar services. Upon CITY's request, Contractor shall advise CITY of the approximate workload of its existing and new clients and the possibility of any conflicts of interest that may arise.

C. ASSIGNMENT

Contractor shall not assign any interest in this contract, and shall not transfer any such interest to any third party, without CITY's prior written consent. Any subcontract entered into by Contractor, for work covered by this agreement, shall require prior approval by CITY.

D. DISCLOSURE

Contractor agrees to keep confidential any information obtained by Contractor, or its employees, or any person under its control in the course of the services performed under this contract, and to refrain from publishing or revealing any information acquired by Contractor in the course of these services, without the written consent of CITY.

Any knowledge or information acquired or provided by the Contractor to CITY related to services performed under this contract shall not be considered confidential or

proprietary unless such designation is approved, in writing, by CITY's City Administrator. However, regardless of the designation of information provided by the Contractor, CITY does not waive attorney-client privilege or similar protections afforded by law.

E. DISPUTES

Except as otherwise provided or agreed, any dispute relating to this contract which is not disposed of by agreement shall be decided by litigation in a court of competent jurisdiction upon the filing of a legal action by the aggrieved party. During the pendency of any dispute, Contractor shall proceed diligently with the performance of this contract. It is further agreed by Contractor that litigation shall be limited and confined exclusively to the appropriate state court located within the State of Washington. **Venue shall be in Skamania County unless otherwise agreed to by CITY.** This contract shall be governed in accordance with the laws of the State of Washington.

F. NONWAIVER

The failure of CITY to insist upon or enforce strict performance of any provision of this contract shall not be construed as a waiver or relinquishment to any future enforcement of such contractual term.

G. AUDIT RIGHTS/PUBLIC RECORD RETENTION

During this contract, and for six (6) years thereafter, CITY shall have the right to inspect Contractor's records pertaining to this contract and to perform an audit in accordance with generally accepted audit standards. The Contractor shall make these records available without charge to CITY. Contractor agrees to either provide CITY with a copy of all records relating to the contract, or to retain such records for the applicable public records retention period and promptly provide them to CITY in order to fulfill any public records requests submitted during the retention period. Failure to promptly provide said records shall constitute a default of this agreement and entitle CITY to attorney fees and costs to recover the records, plus require Contractor to indemnify CITY against any statutory penalties for failure to promptly comply with a lawful public records request.

H. WORK PRODUCT

All "Work Product," which shall contain, without limitation, all documentation, data, studies, surveys, drawings, maps, photographs, and any object or source code for any software developed pursuant to or in connection with this contract, as well as any copyrights, patents, trade secrets, trademarks, or other intellectual property developed for or in connection with this contract, shall be work for hire and shall be the property of CITY. Contractor does hereby transfer and assign any rights that it has in the Work Product, or that may arise out of or in connection with this contract, to CITY. CITY's rights to the Work Product shall survive termination of this contract. In the event the CITY uses the "Work Product" in the future without Contractor's involvement, CITY agrees to hold harmless, defend, and indemnify Contractor for any claims or liabilities resulting from such use.

I. INSURANCE - HOLD HARMLESS

Contractor shall procure and maintain, during the life of this contract, the insurance policies and associated limits listed below to protect it, and any subcontractor performing work under this contract, from claims for damages from personal injury, including death resulting therefrom, as well as from claims for property damage which may arise under this contract, whether such work is performed by Contractor or by any subcontractor, or by anyone directly or indirectly employed by either of them. Upon demand, Contractor shall provide CITY with copies of all applicable insurance policies.

General Liability	\$1,000,000 per claim/\$2,000,000 aggregate
Automobile Liability	\$1,000,000
Worker’s Compensation	\$1,000,000
Professional Liability	\$1,000,000 per claim/\$2,000,000 aggregate

CITY and Contractor (“Party” or ”Parties”) hereby agree to indemnify and hold harmless the other Party, its appointed and elective officers, and its employees, from and against any and all suits, claims, actions, losses, costs, penalties, fines, and damages of whatever kind and nature, including attorney fees and costs, by reason of any and all claims and demands on it, its officers and employees, as may be caused by the negligence or willful misconduct of the indemnitee, its agents or employees, (or anyone directly or indirectly employed or engaged by the indemnitee, including subcontractors) to perform or observe any term or condition of this contract, or for any act or inaction of the indemnitee in connection with or incident to the work covered by this contract. It is the intent of the Parties hereto that, where negligence is determined to have been contributory, principles of comparative negligence will be followed and each Party shall bear the proportionate costs of any loss, damage, expense and liability attributable to that Party’s negligence.

In any and all claims against CITY by any employee of Contractor, the indemnification and hold-harmless obligation herein shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Contractor under workers’ compensation acts, disability acts, or other employee benefits acts, AND THE CONTRACTOR SPECIFICALLY AND EXPRESSLY WAIVES ANY IMMUNITY UNDER SUCH ACTS.

J. WARRANTY

Contractor agrees that services performed as specified in Exhibit "A" shall be performed in a manner consistent with the professional standards and industry practices acceptable in the trade.

K. SEVERABILITY

The invalidity or unenforceability of any provision of this contract shall not affect the other provisions hereof, and this contract shall be construed, in all respects, as if such invalid or

unenforceable provisions were omitted.

L. HEADINGS

The headings used in sections of this contract are for convenience of reference only and are not intended to restrict, affect, or be of any weight in the interpretation or construction of the provisions of such sections of this contract.

M. CONSEQUENTIAL DAMAGES

Notwithstanding any other provision of this contract, and to the fullest extent permitted by law, neither CITY nor Contractor, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the project or to this contract in excess of insurance limits required hereunder.

N. ENTIRE AGREEMENT

Contractor and CITY understand and agree that this document constitutes the entire understanding between the parties regarding the work or services described herein, and that this contract supersedes all other prior agreements and understandings, whether oral or written. This contract shall not be modified or amended, except in writing, signed by both parties.

[Signatures appear on next page]

IN WITNESS WHEREOF, the parties have executed this contract at Stevenson, Washington, this _____ day of _____, 20_____.

CITY OF STEVENSON

CONTRACTOR

By: _____
_____, its Mayor

By: _____

Name & Title

Mailing Address

Approved as to form

Telephone Number

Kenneth B Woodrich,
City Attorney

Federal Tax ID Number

UBI#

Exhibit “A”
Paving Gravel Roads



PROJECT DESCRIPTION:

The City of Stevenson is paving local streets that have been identified in their Transportation Improvement Program. The project aims to improve eight roads located throughout the City. The existing conditions range from dirt paths to gravel roads and distressed asphalt pavement. The level of design services varies for each location as outlined below.

1. Lakeview Road - Survey and Concept Alternatives
2. Kanaka Creek Underpass - Survey and Concept Alternatives
3. Ash Alley – Survey and Design (PS&E)
4. Holly Street – Survey and Design (PS&E)
5. H&H Avenue – Survey and Design (PS&E)
6. Maple Alameda – Survey and Design (PS&E)
7. Del Rey Avenue - Survey and Concept Alternatives
8. Gropper Park Loop – Survey and Design (PS&E)
9. Rock Creek Bridge – Survey and Estimate

The following outlines the Service Tasks:

TASK 1: Project Management and Administration

1.1 Project Coordination

Consultant shall coordinate with the City of Stevenson Project Manager and Agency staff as needed throughout the duration of the project.

1.2 Project Schedule and Work Plan

Consultant shall monitor the project scope, schedule and budget.

Task 1.2 Deliverables: Consultant shall provide to the City of Stevenson:

- A Project Schedule that shows appropriate milestones for the Project, including intermediate and final submittal dates for design documents and key decision points.
- Monthly updates of the Project schedule to reflect changes in the Project and track progress on work completed.

1.3 Monthly Invoices and Progress Reports

Consultant shall prepare monthly billing invoices in a format approved by the City of Stevenson Contract Administrator. Consultant shall prepare and submit monthly invoices and progress reports to the Agency. Consultant shall provide monthly summaries and updated project schedules that reflect any changes in the project and that track progress on work completed.

Task 1.3 Deliverables: Consultant shall provide to the City of Stevenson:

- Monthly invoices that reflect the project schedule, show the budgeted cost for each task, tasks completed/percent complete, actual cost/cost to date, earned value, billable hours per person / per task, and cost of materials submitted. Assumes a 6-month project timeline.

TASK 2: Meetings

2.1 Team and Design Review Meetings

Consultant shall schedule, prepare for, attend and document up to ten (10) Team and Design Review Meetings (2 hours each) during the course of the Projects to review work-in-progress and to address and resolve Project issues as they are encountered.

Task 2.1 Deliverables: Consultant shall provide to the City of Stevenson:

- Agenda developed for each meeting with City of Stevenson Project Manager.
- Meeting minutes distributed following each Team Meeting, assumes 10 meetings with project manager and one other staff.

TASK 3: Survey Control, Right-of-Way Location and Topographic Survey

The survey limits for this project will include each street designated for roadway modeling. The survey will cover the existing roadway and extend to the limits of anticipated work. All deliverables will be prepared in AutoCAD.

Right-of-Way Location

- Research and evaluate public survey records to calculate Right of Way.
- Conduct necessary field work to recover existing monumentation.

Topographic Survey

- Research location and measure to local Skamania County datum benchmark.
- Prepare and submit One Call utility locate request to identify existing subsurface utilities on the property frontage. One Call response time may be as much as 10 business days as allowed by law.
- Cross-section streets on 25-foot intervals within limits of right of way.
- Review provided existing utility as-built drawings (as available) and plot on survey.
- Locate trees six inches diameter at breast height (DBH) or larger.
- All field work to complete a topographic survey of the area of existing site conditions including spot elevations as necessary, structures, driveways and any other visible improvements.
- Prepare topographic design base map with contours at 1-foot intervals.

- Horizontal Datum will be based on NAD83(2011) State Plane Washington South

Deliverables: Consultant shall provide Survey Control, Right-of-Way Location, and Topographic Survey for each site as separate tasks:

- Task 3.1 Lakeview Road Survey**
- Task 3.2 Kanaka Creek Survey**
- Task 3.3 Ash Alley Survey**
- Task 3.4 Holly Street Survey**
- Task 3.5 H&H Avenue Survey**
- Task 3.6 Maple Alameda Survey**
- Task 3.7 Del Rey Avenue Survey**
- Task 3.8 Gropper Park Loop Survey**
- Task 3.9 Rock Creek Bridge Survey**

Task 4: Field Reconnaissance

HHPR natural resources staff will conduct a pedestrian review of 1 through 8 project locations to assess the potential for adjacent wetlands, streams, shorelines, and critical areas.

For this task HHPR will:

- Conduct a brief pedestrian review of each of the eight project sites and document conditions with field notes and photographs.
- Provide an email summary of findings, including any potential resources identified and recommended next steps.

Assumptions:

- Reconnaissance at each project site will take 1 hour or less.
- No potential wetlands or streams are present at Lakeview Road, Ash Alley, Maple Alameda, Del Rey Avenue, or Gropper Park Loop project sites.

Deliverables:

- Email summary of findings, resources identified, and recommendations.

TASK 5: Project Conceptual Design and Alternatives

For this task, HHPR will scope each project outlined below as separate tasks:

Task 5.1 Lakeview Road

Consultant shall consider two project alternatives at this location. First, a paving project including street improvements only. Second, a paving project with street improvements and sanitary sewer service extension.

Deliverables:

- Schematic plans.

- Project timelines.
- Preliminary cost estimates.

Task 5.2 Kanaka Creek Underpass

Consultant shall analyze the Kanaka Creek Underpass roadway to identify existing performance gaps. The roadway will be analyzed in accordance with current AASHTO and City of Stevenson Engineering Standards. Two project alternatives will be considered at this location. First, a surface improvement project, upgrading the road from gravel to pavement while maintaining existing geometry. Second, a rebuild project that addresses performance gaps identified in the geometric analysis.

Deliverables:

- Schematic plans.
- Project timelines.
- Preliminary cost estimates.

Task 5.3 Del Rey Avenue

Consultant shall scope a widening and paving project along Del Rey Avenue from the east end to Kanaka Creek Rd.

Deliverables:

- Schematic plans.
- Project timeline.
- Preliminary cost estimate.

TASK 6: Design (30%, 60% and 100% Bid Ready PS&E)

Consultant shall prepare plans, specifications and estimates for City review at 30%, 60% and 100% design deliverables. Plans will include the design for grading and pavement, along with associated stormwater improvements. Consultant shall coordinate with affected franchise utilities for any relocations and adjustments. Plans will also be used for utility coordination and distribution to franchise utilities.

30% PS&E Documents

- Preliminary Roadway Improvement Plan and Profiles
- Preliminary Drainage Improvement Plans
- Preliminary Details
- Preliminary Estimate
- Outline Specifications
- Utility Conflict list and distribution of plans to franchise utilities.

60% PS&E Documents

- Roadway Improvement Plan and Profiles
- Drainage Improvement Plans and Profiles
- Details
- Cost Estimate

- Specifications
- Utility Conflict list and distribution of plans to franchise utilities.

100% PS&E Documents

- Roadway Improvement Plan and Profiles
- Drainage Improvement Plans and Profiles
- Details
- Cost Estimate
- Specifications
- Utility Conflict list and distribution of plans to franchise utilities.

Assumptions: See Design Assumptions, pages 10-14.

Deliverables: Consultant shall provide to the City of Stevenson 30%, 60%, and 100% Bid Ready PS&E documents for each site as separate tasks:

- Task 6.1 Ash Alley Design**
- Task 6.2 Holly Street Design**
- Task 6.3 H&H Avenue Design**
- Task 6.4 Maple Alameda Design**
- Task 6.5 Gropper Park Loop Design**

Task 7: SEPA Compliance

For this task, HHPR will prepare a SEPA Environmental Checklist for project locations 1 through 8. The document will be based on the 60% plans or equivalent and supporting studies and reports, including the Shoreline Substantial Development Permit application, OHWM and Wetland Delineation Report, Critical Areas Report, and field surveys.

Assumptions:

- A separate SEPA Environmental Checklist will be prepared for each of the eight project sites.
- Final Environmental Checklists will not exceed 25 single-sided pages of text, excluding maps and appendices.
- One round of comments by the City on the draft documents.
- Analysis will be based on the 60% design or equivalent.
- Any post-60% design changes will not change impacts or analysis for the Environmental Checklist or require revision.
- The project will not impact any federal- or state-listed species or habitat and no Biological Assessment will be required.
- A Determination of Non-Significance (DNS) or Mitigated Determination of Non-Significance (MDNS) will be issued.

Deliverables:

- SEPA Environmental Checklist (one draft and one final electronic copy for each of the eight locations)

Task 8: Critical Areas Compliance

Due to their proximity to sensitive areas or the extent of anticipated disturbance, Critical Areas compliance documentation will likely be required for the following locations:

- Kanaka Creek Underpass
- Holly Street
- H&H Avenue
- Del Rey Avenue

For this task HHPR, will prepare a Critical Areas Report for each of the four project locations. The documents will be based on the 60% plans or equivalent and supporting studies and reports, including the Shoreline Substantial Development Permit application, OHWM and Wetland Delineation Report, and field surveys.

Assumptions:

- Analysis will be based on the 60% design or equivalent.
- Any post-60% design changes will not change impacts or analysis for the Critical Areas Report or require revisions.
- Critical Areas documentation will not be required for locations other than the four listed above.
- All application and related fees will be paid by the City.
- If required, wetland and stream delineation will be addresses via a separate contingency task.
- If required, buffer mitigation will be addressed via a separate contingency task.

Deliverables:

- Critical Areas Report (one draft and one final electronic copy for each of the four project locations)

Task 9: Rock Creek Bridge Replacement Cost Estimating

Consultant shall scope the bridge replacement project at Rock Creek. HHPR will scope the civil design work, subconsultant DOWL will scope the bridge design work.

Task 9.1 Roadway & Utility Estimates

Task 9.2 Bridge Structure Estimates

Deliverables:

Roadway and Bridge Estimating

- Conceptual plans
- Preliminary cost estimate

TASK 10: Bidding and Construction Assistance

Consultant shall provide bidding and construction assistance as required by the City.

- Consultant shall address questions and verify design issues during bidding and

construction.

- Prepare addenda, bid tabulations and recommendations for award as required during bidding.
- Prepare responses to RFI during the construction phase. Evaluate proposed changes in contract value during the construction phase.
- Provide digital information to contractors as required.
- Review and approve submittals for alternate materials and methods.
- Visit the site on an “as-needed” basis during construction to verify quality and address contractors’ questions. Assumes 2 site visits.
- Prepare a site work construction punchlist when construction is substantially complete.

Deliverables: Consultant shall provide bidding and construction assistance to the City of Stevenson for each project as separate tasks:

Task 10.1 Ash Alley Construction Assistance

Task 10.2 Holly Street Construction Assistance

Task 10.3 H&H Avenue Construction Assistance

Task 10.4 Maple Alameda Construction Assistance

Task 10.5 Gropper Park Loop Construction Assistance

Task 11: Kanaka Creek Ordinary High Water Mark and Wetland Delineation

[Contingency]

If a rebuild and realignment of Kanaka Creek underpass is proposed, permitting and design will require delineation of the Ordinary High Water Mark (OHWM) and/or wetland along Kanaka Creek to define stream and wetland buffer boundaries.

For this task HHPR will:

- Conduct a field delineation of Kanaka Creek OHWM adjacent to the roadway, following the Washington Department of Ecology method.
- Conduct a field delineation of wetland adjacent to the roadway, if present. HHPR will follow the US Army Corps of Engineers 1987 Wetland Delineation Manual and 2010 Regional Supplement: Western Mountains, Valleys and Coast Region. These are consistent with the requirements of the City and Washington Department of Ecology.
- Numbered pin-flags or surveyors’ tape used to identify the boundaries will be located by HHPR Professional Surveyors.
- Prepare and submit an OHWM and Wetland Delineation Report based on office and field information.

Assumptions:

- Only Kanaka Creek OHWM adjacent to the roadway and up to one wetland will be delineated.
- Field work for this task can be completed in two field days by a two-person team.
- The City will arrange access to the delineation area if public access does not exist.
- Report not to exceed 15 pages including figures and photographs, but not appendix material.

- One round of comments by City staff on the draft document.
- City, State, or other agencies do not require additional field delineation or office work for approval of the Wetland Delineation Report.
- The project will not impact wetlands or the streams.
- Surveyors will locate boundary flags as part of site survey work.

Deliverables:

- Wetland Delineation Report (one electronic draft and one electronic final copy to City).

Task 12: Rock Creek Ordinary High Water Mark and Wetland Delineation [Contingency]

A delineation of the Rock Creek OHWM and wetland delineation may be required to support a site level delineation of shoreline and buffer boundaries for the Holly Street and H & H Avenue project sites.

For this task HHPR will:

- Conduct a field delineation of the Rock Creek OHWM adjacent to the Holly Street and H & H Avenue project sites, following the Washington Department of Ecology method.
- Conduct a field delineation of wetlands associated with Rock Creek, if present. HHPR will follow the US Army Corps of Engineers 1987 Wetland Delineation Manual and 2010 Regional Supplement: Western Mountains, Valleys and Coast Region. These are consistent with the requirements of the City and Washington Department of Ecology.
- Numbered pin-flags or surveyors' tape used to identify the boundaries will be located by HHPR Professional Surveyors.
- Prepare and submit an OHWM and Wetland Delineation Report based on office and field information.

Assumptions:

- Only the Rock Creek OHWM adjacent to the roadway and up to one wetland will be delineated.
- The City will arrange access to the delineation area if public access does not exist.
- Field work for both project sites can be completed in two field days by a two-person team.
- Report not to exceed 15 pages including figures and photographs, but not appendix material. One round of comments by City staff on the draft document.
- City, State, or other agencies do not require additional field delineation or office work for approval of the delineation report.
- The project will not impact wetlands or the streams.
- Surveyors will locate boundary flags as part of site survey work.

Deliverables:

- Wetland Delineation Report (one electronic draft and one electronic final copy to City).

Task 13: Shoreline Master Program Compliance [Contingency]

A Shoreline Substantial Development Permit may be required for road improvements at the Kanaka Creek Underpass, Holly Street, and/or H & H Avenue project sites.

For each project location authorized under this task HHPR will:

- Complete a site level delineation of the designated shoreline based on the OHWM and wetland delineation results.
- Prepare a Shoreline Substantial Development Permit application and associated JARPA form.

Assumptions:

- Each permit application will address one location. If multiple locations require a permit application, this task will be authorized separately for each location.
- Final application narrative will not exceed 30 single-sided pages of text, excluding maps and appendices. One round of comments by the City on the draft document.
- OHWM and Wetland Delineation contingency tasks will be authorized for each location requiring a site level shoreline delineation.
- The analysis will be based on the 60% design or equivalent.
- Any post-60% design changes, which is the design level to be used for this analysis, will not change impacts or analysis for the Shoreline Substantial Development Permit or require revisions.
- Any required mitigation can be accomplished on site and will not require additional field investigations. Preparation of the Mitigation Plan will be completed under a separate contingency task.
- All application and related fees will be paid by the City.
- The project will not require a Shoreline Variance.
- Critical Areas will be addressed in a separate Critical Area Report.

Deliverables:

- Shoreline Substantial Development Permit application (one draft and one final electronic copy).

Task 14: Supplemental Mitigation Plan [Contingency]

If impacts are proposed to stream, wetland, or shoreline buffers, mitigation may be required. If authorized, HHPR will prepare a Mitigation Plan consisting of onsite vegetation enhancement and/or buffer averaging. The plan will include a supplemental narrative and Planting Plan to be attached to the Critical Areas Report or Shoreline Substantial Development Permit application.

Assumptions:

- The city will assist HHPR in identifying an on-site location for mitigation and/or buffer averaging.
- Mitigation requirements will be achievable onsite.
- Mitigation will not require additional field investigations.
- The Mitigation Plan will address one location. If multiple locations require mitigation, this task will be authorized separately for each site.
- Vegetation enhancement and/or buffer averaging will be acceptable mitigation to all reviewing agencies.

Deliverables:

- Supplemental Mitigation Plan (one draft and one final electronic copy)

Task 15: Geotechnical Investigation [Contingency]

Soil sampling and infiltration testing may be necessary for the design of stormwater improvements at Holly Street and H&H Avenue. For each location authorized under this task, HHPR's subconsultant, Columbia West Engineering, will conduct field investigation and laboratory testing.

Deliverables:

- Test report and geotechnical recommendations (one electronic draft and one electronic final copy).

Design Assumptions

Fee estimation for preparation of plans, specifications, and estimates were based on the following site descriptions and assumptions.

Ash Alley

Single lane roadway that's currently paved on the west half. The east half is gravel and climbs steeply to Russell Ave. A storm manhole is located near the midpoint.

Assumptions:

- Paving will be approximately 400' long x 15' wide.
- Stormwater design per Ecology's 2019 Stormwater Management Manual for Western Washington.
- No impact to streams, wetlands, or buffers.
- No impacts to the private retaining wall to the southwest.
- No right-of-way acquisition.



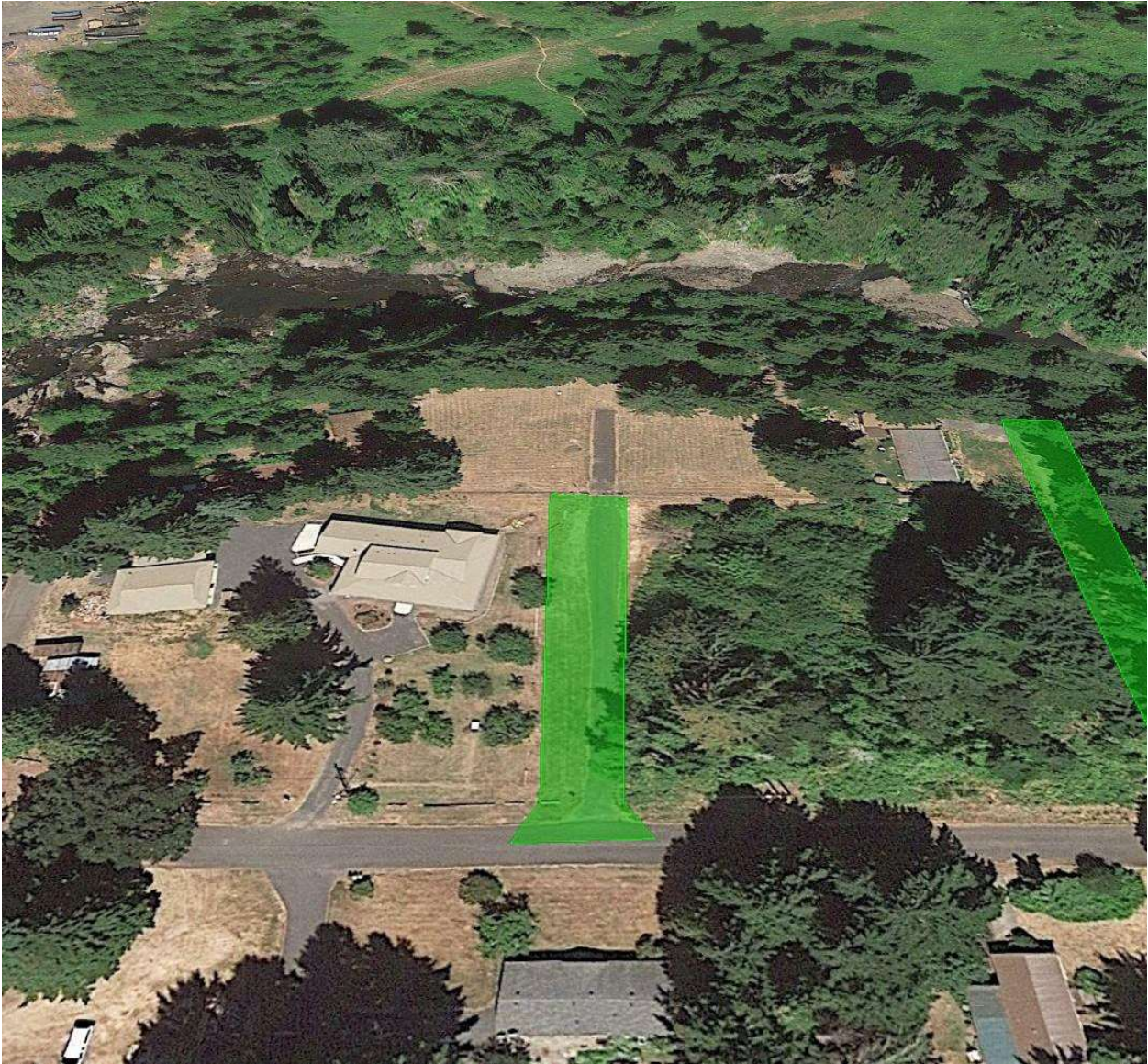
Holly Street

This street provides access to Iman Cemetery. The current surface is asphalt pavement, width varies 10 - 14 ft. Topography is gently sloping, with no existing ditches.

Assumptions:

- Paving will extend to the Cemetery gate, approximately 210' long x 20' wide.
- Grass parking area will be removed.
- Stormwater design per Ecology's 2019 Stormwater Management Manual for Western Washington.
- One shallow infiltration test required.

- No impact to streams, wetlands, or buffers.
- No right-of-way acquisition.



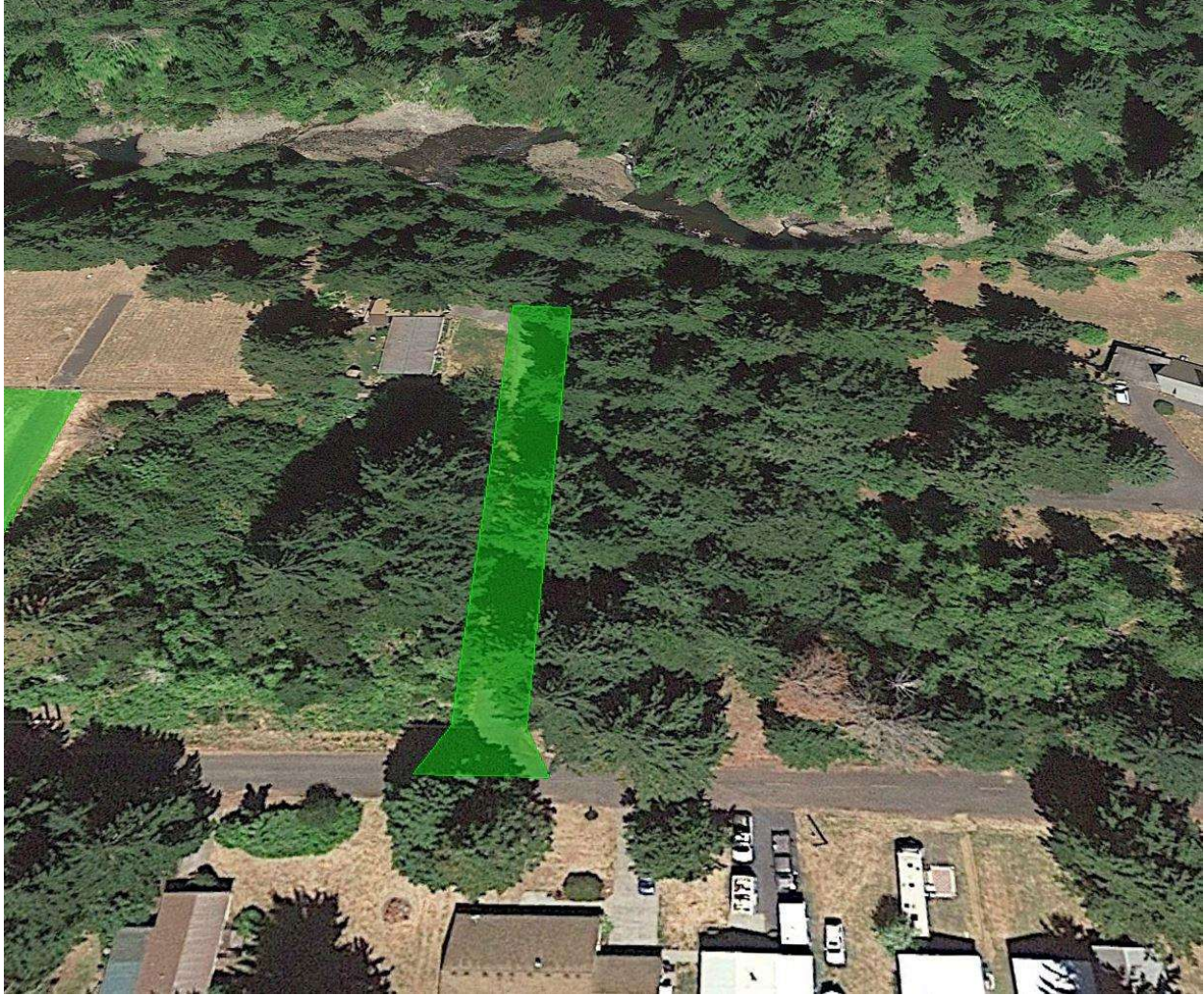
H&H Avenue

A dead-end road serving residential lots. The existing surface is gravel and the width varies 14-16 ft. The site is gently sloping with no existing ditches.

Assumptions:

- Paving will be approximately 300' long x 20' wide.

- Stormwater design per Ecology’s 2019 Stormwater Management Manual for Western Washington.
- One shallow infiltration test required.
- No impact to streams, wetlands, or buffers.
- No right-of-way acquisition.



Maple Alameda

A paved street that provides access to homes and the water reservoir. The connection to School St. is relatively steep with an abrupt transition. The road is 12' wide and climbs west to the large oak, where it

makes a 90 degree turn to the north and widens to 20' with parking and curb. There are no existing storm inlets. There is a manhole located at the 90 degree bend.

Assumptions:

- Rebuild the concrete driveway connection through the sidewalk to School St.
- Overlay existing pavement including a new entrance to the water reservoir.
- No stormwater design required per Ecology's 2019 Stormwater Management Manual for Western Washington.
- No impact to streams, wetlands, or buffers.
- No right-of-way acquisition.



Gropper Park Loop

Residential road that encircles an open space lined with trees. There is new sidewalk along Gropper Rd with 25 ft wide driveways. The current road surface is gravel. Right of way conflicts are possible, the loop appears to lie partially on school district property. There is an existing storm inlet near west entrance.

Assumptions:

- Paving will be approximately 410' long x 20' wide.
- Stormwater design per Ecology's 2019 Stormwater Management Manual for Western Washington.
- No impact to streams, wetlands, or buffers.
- No right-of-way acquisition.

