

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (this "Agreement") is made and entered into effective on June 14, 2022 (the "Effective Date") between City of John Day ("City"), an Oregon municipal corporation, whose address is 450 E Main Street, John Day, Oregon 97845, and Sisul Enterprises, Inc dba Sisul Engineering ("Consultant"), an Oregon corporation, whose address is 375 Portland Avenue, Gladstone, Oregon 97027.

RECITAL:

City desires to retain Consultant to perform certain on-call civil engineering and related environmental consulting services and to designate Consultant as City's Engineer of Record. Subject to the terms and conditions contained in this Agreement, Consultant will perform the Services (as defined below) for and on behalf of City.

AGREEMENT:

NOW, THEREFORE, in consideration of the parties' mutual obligations contained in this Agreement, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto hereby agree as follows:

1. Engineering Services.

1.1 Services; Standards. Subject to the terms and conditions contained in this Agreement, Consultant will perform the following engineering and related environmental consulting services for and on behalf of City (collectively, the "Services"): (a) those services and tasks identified in Consultant's "Statement of Qualifications" dated June 17, 2021 attached hereto as Exhibit A (the "Proposal"); and (b) all other necessary or appropriate services customarily provided by Consultant in connection with its performance of those services identified in the Proposal. Consultant will (x) consult with and advise City on all matters concerning the Services reasonably requested by City, (y) communicate all matters and information concerning the Services to the city manager (or his or her designee) and report directly to the city manager (or his or her designee), and (z) devote such time and attention to performance of the Services as City deems necessary or appropriate.

1.2 On-Call Services. Notwithstanding anything contained in this Agreement to the contrary, City, in City's sole discretion, shall direct Consultant to perform the services described in the Proposal through written Task Orders. Consultant will not provide the On-Call Services unless and until City provides Consultant written notice that the Services are requested (which notice will identify the specific Services requested, budget with not-to-exceed cost, and schedule for completing the Services). Consultant will timely provide any On-Call Services requested by City subject to and in accordance with this Agreement.

1.3 Coordination; Schedule of Services. Consultant will perform the Services as and when requested by City. Consultant will coordinate its performance of the Services with the city manager (or his or her designee). Consultant and City will routinely consult with each other to ensure effective and efficient provision of the Services.

1.4 Conditions Precedent. Notwithstanding anything contained in this Agreement to the contrary, City's performance of its obligations under this Agreement is conditioned on Consultant's performance of its obligations under this Agreement, including, without limitation, those Consultant obligations identified under Section 4.4.

2. Compensation.

2.1 Compensation. Subject to the terms and conditions contained in this Agreement, in consideration of Consultant's timely and faithful performance of its obligations under this Agreement, City will pay Consultant based on hourly rates defined in Consultant's Proposal. Consultant will submit monthly invoices to City concerning that portion of the Services performed by Consultant during the immediately preceding month (each an "Invoice"). Each Invoice

will contain the following information: (a) a summary of the Services (including any Additional Services, if applicable) performed by Consultant (and by whom); and (b) all other information and documentation City may reasonably request. City will pay the amount due under each Invoice within thirty (30) days after City has reviewed and approved the applicable Invoice. City's payment will be accepted by Consultant as full compensation for performing the Services to which the Invoice relates. No compensation will be paid by City for any portion of the Services not performed. Notwithstanding anything contained in this Agreement to the contrary, total compensation payable by City under this Agreement for performance of the Services will not exceed \$150,000.

2.2 No Benefits; Reimbursement. City will not provide any benefits to Consultant, and Consultant will be solely responsible for obtaining Consultant's own benefits, including, without limitation, insurance, medical reimbursement, and retirement plans. Consultant will provide, at Consultant's cost and expense, all materials, equipment, and supplies necessary or appropriate to perform the Services.

3. Relationship.

3.1 Independent Contractor. Consultant is an independent contractor of City. Consultant is not an employee of City. Consultant will be free from direction and control over the means and manner of performing the Services, subject only to the right of City to specify the desired results. This Agreement does not create an agency relationship between City and Consultant and does not establish a joint venture or partnership between City and Consultant. Consultant does not have the authority to bind City or represent to any person that Consultant is an agent of City. Consultant has the authority to hire other persons to assist Consultant in performing the Services (and has the authority to fire such persons).

3.2 Taxes; Licenses. City will not withhold any taxes from any payments made to Consultant, and Consultant will be solely responsible for paying all taxes arising out of or resulting from Consultant's performance of the Services, including, without limitation, income, social security, workers' compensation, and employment insurance taxes. Consultant will be solely responsible for obtaining all licenses, approvals, and certificates necessary or appropriate to perform the Services.

4. Representations; Warranties; Covenants.

In addition to any other Consultant representation, warranty, and/or covenant made in this Agreement, Consultant represents, warrants, and covenants to City as follows:

4.1 Authority; Binding Obligation; Conflicts. Consultant is duly organized, validly existing, and in good standing under applicable Oregon law. Consultant has full power and authority to sign and deliver this Agreement and to perform all Consultant's obligations under this Agreement. This Agreement is the legal, valid, and binding obligation of Consultant, enforceable against Consultant in accordance with its terms. The signing and delivery of this Agreement by Consultant and the performance by Consultant of all Consultant's obligations under this Agreement will not (a) breach any agreement to which Consultant is a party, or give any person the right to accelerate any obligation of Consultant, (b) violate any law, judgment, and/or order to which Consultant is subject, and/or (c) require the consent, authorization, and/or approval of any person, including, without limitation, any governmental body. By signing below, Consultant certifies that Consultant (and Consultant's principals) are not debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in and/or performing the Services under this Agreement.

4.2 Licenses; Quality of Services. Prior to Consultant's execution of this Agreement, Consultant obtained all licenses, approvals, and/or certificates necessary or appropriate to perform the Services. Consultant will perform the Services diligently, in good faith and in a professional manner, consistent with the degree of care and skill ordinarily exercised by the same or similar professional consultants, and consistent with the terms and conditions contained in this Agreement. The Services will be performed subject to and in accordance with the Laws (as defined below). Consultant will be solely responsible for the Services. Consultant will make all decisions

called for promptly and without unreasonable delay. All materials and documents prepared by Consultant will be accurate, complete, unambiguous, prepared properly, and in compliance with the Laws.

4.3 Insurance. During the term of this Agreement, Consultant will obtain and maintain, in addition to any other insurance required under this Agreement, the following minimum levels of insurance: (a) general liability insurance for all losses or claims arising out of or related to Consultant's performance of its obligations under this Agreement (including, without limitation, damages as a result of death or injury to any person or destruction or damage to any property) with limits of no less than \$1,000,000.00 per occurrence, \$2,000,000.00 in the aggregate; (b) comprehensive automobile liability insurance for all owned, non-owned, and hired vehicles (if any) that are or may be used by Consultant in connection with Consultant's performance of the Services with limits of no less than \$1,000,000.00 per occurrence, \$2,000,000.00 in the aggregate; (c) errors and omissions insurance with limits of no less than \$1,000,000.00; and (d) workers' compensation insurance in form and amount sufficient to satisfy the requirements of applicable Oregon law. Each liability insurance policy (except errors and omissions insurance) required under this Agreement will be in form and content satisfactory to City, will list City and each City Representative (as defined below) as an additional insured, and will contain a severability of interest clause; the workers' compensation insurance will contain a waiver of subrogation in favor of City. The insurance Consultant is required to obtain under this Agreement may not be cancelled without ten (10) days' prior written notice to City. Consultant's insurance will be primary and any insurance carried by City will be excess and noncontributing. Consultant will furnish City with appropriate documentation evidencing the insurance coverage (and provisions) and endorsements Consultant is required to obtain under this Agreement upon Consultant's execution of this Agreement and at any other time requested by City. If Consultant fails to maintain insurance as required under this Agreement, City may terminate this Agreement due to Consultant's default and pursue all rights and remedies provided under this Agreement and/or applicable law.

4.4 Compliance with Laws. Consultant will comply and perform the Services in accordance with the Laws. Without otherwise limiting the generality of the immediately preceding sentence, Consultant will comply with each obligation applicable to Consultant and/or this Agreement under ORS 279B.220, 279B.225, 279B.230, and 279B.235, which statutes are incorporated herein by reference. Prior to the Effective Date, Consultant obtained all licenses, approvals, and/or certificates necessary or appropriate to perform the Services. For purposes of this Agreement, the term "Law(s)" means all applicable federal, state, and local laws, regulations, restrictions, orders, codes, rules, and/or ordinances related to or concerning, whether directly or indirectly, Consultant, this Agreement, and/or the Services, including, without limitation, Oregon's prevailing wage rate laws (ORS 279C.800 through 279C.870) if applicable, all applicable City ordinances, resolutions, policies, regulations, orders, restrictions, and guidelines, all as now in force and/or which may hereafter be amended, modified, enacted, or promulgated.

4.5 Indemnification. Consultant will indemnify and hold City and each present and future City employee, officer, and representative (individually and collectively, "City Representative(s)"), harmless for, from, and against all claims, actions, proceedings, damages, liabilities, injuries, losses, and expenses of every kind, whether known or unknown, including, without limitation, attorney fees and costs, resulting from or arising out of the following: (a) damage, injury, and/or death to person or property caused by Consultant's acts and/or omissions (and/or the acts and/or omissions of Consultant's members, managers, directors, officers, shareholders, employees, agents, representatives, consultants, and/or contractors (individually and collectively, "Consultant Representative(s)")); (b) Consultant's failure to pay any tax arising out of or resulting from the performance of the Services; and/or (c) Consultant's breach and/or failure to perform any Consultant representation, warranty, covenant, and/or obligation contained in this Agreement. Consultant's indemnification obligations provided in this Section 4.5 will survive the termination of this Agreement.

4.6 Assignment of Studies and Reports. Consultant will assign all studies, reports, data, documents, and/or materials of any kind produced under this Agreement (individually and collectively, the "Deliverable(s)") to City upon the earlier of City's request or termination of this Agreement. All Deliverables provided to City will become the property of City who may use them without Consultant's permission for any proper purpose relating to the Services, including, without limitation, additions to or completion of the Services. City acknowledges that City's modification and/or reuse of the Deliverables without Consultant's prior approval will be at City's sole risk.

Consultant will defend all suits or claims for infringement of patent, trademark, and/or copyright for which Consultant is responsible (including, without limitation, any claims which may be brought against City), and Consultant will be liable to City for all losses arising therefrom, including costs, expenses, and attorney fees.

4.7 Records. Consultant will maintain complete and accurate records concerning all Services performed, the number of hours each person spent to perform the Services, and all documents produced under this Agreement for a period of five years after the termination of this Agreement. Consultant's records concerning the Services will be maintained in accordance with sound accounting practices and in an acceptable cost account system. Consultant agrees to provide City access to any books, documents, papers, and/or records of Consultant which are directly pertinent to this Agreement and/or the Services, including, without limitation, Consultant's time and billing records, for the purpose of making audit, examination, excerpts and transcriptions. Consultant agrees to maintain all books, records, and/or reports required under this Agreement for a period of no less than five years after final payment is made and all pending matters are closed.

4.8 Confidential Information. During the term of this Agreement, and at all times thereafter, Consultant will maintain all Confidential Information (as defined below) in the strictest confidence and will not directly or indirectly use, communicate, or disclose any Confidential Information to any person, or remove or make reproductions of any Confidential Information, except that Consultant may (a) use Confidential Information to perform the Services to the extent necessary, and (b) communicate or disclose Confidential Information in accordance with a judicial or other governmental order or as required by applicable law, but only if Consultant promptly notifies the city manager of the order and complies with any applicable protective or similar order. Consultant will promptly notify the city manager of any unauthorized use, communication, or disclosure of any Confidential Information and will assist City in every way to retrieve any Confidential Information that was used, communicated, or disclosed by Consultant and will exert Consultant's best efforts to mitigate the harm caused by the unauthorized use, communication, or disclosure of any Confidential Information. Upon the earlier of City's request or termination of this Agreement, Consultant will immediately return to City all documents, instruments, or materials containing any Confidential Information accessed or received by Consultant, together with all copies and summaries of such Confidential Information. If requested by City, Consultant will execute a written certification satisfactory to City pursuant to which Consultant will represent and warrant that Consultant has returned all Confidential Information to City in accordance with the terms of this Agreement. Notwithstanding anything contained in this Agreement to the contrary, the terms of this Agreement do not operate to transfer any ownership or other rights in or to the Confidential Information to Consultant or any other person. For purposes of this Agreement, the term "Confidential Information" means all documentation, information, and/or materials identified by City as confidential and/or any documentation, information, and/or materials relating to or concerning City's future plans, business affairs, employment, legal, and litigation matters that need to be protected from improper disclosure, in whatever form (e.g., hard and electronic copies, etc.), that is received or assessed by Consultant; provided, however, the term "Confidential Information" does not include City's public records which are non-exempt public records under applicable federal, state, and/or local laws.

5. Term; Termination.

5.1 Term of Agreement; Termination. Subject to the terms and conditions contained in this Agreement, the term of this Agreement commenced on the Effective Date and will remain in full force and effect for a period of twelve (12) months thereafter, unless sooner terminated or extended as provided in this Agreement. Notwithstanding anything contained in this Agreement to the contrary, (a) this Agreement may be terminated at any time by the mutual written agreement of City and Consultant, and/or (b) City may terminate this Agreement for convenience and without cause by giving thirty (30) days' prior written notice of such termination to the other party. Upon receipt of the notice of termination, except as explicitly directed by City, Consultant must immediately discontinue performing all Services.

5.2 Immediate Termination. Notwithstanding anything contained in this Agreement to the contrary, City may terminate this Agreement immediately upon notice to Consultant upon the happening of any of the following events: (a) Consultant engages in any form of dishonesty or conduct involving moral turpitude related to

Consultant's independent contractor relationship with City or that otherwise reflects adversely on the reputation or operations of City; (b) Consultant fails to comply with any applicable law related to Consultant's independent contractor relationship with City; (c) problems occur in connection with the performance of the Services; and/or (d) Consultant breaches and/or otherwise fails to perform any Consultant representation, warranty, covenant, and/or obligation contained in this Agreement. The determination as to whether any of the aforementioned events have occurred will be made by City in its sole discretion.

5.3 Consequences of Termination. Upon termination of this Agreement, City will not be obligated to reimburse or pay Consultant for any continuing contractual commitments to others or for penalties or damages arising from the cancellation of such contractual commitments, subject to City's obligations under Section 5.2. Notwithstanding anything contained in this Agreement to the contrary, termination of this Agreement by City will not constitute a waiver or termination of any rights, claims, and/or causes of action City may have against Consultant. Within a reasonable period of time after termination of this Agreement (but in no event later than five days after termination), Consultant will deliver to City all materials and documentation related to or concerning the Services.

5.4 Remedies. If a party breaches and/or otherwise fails to perform any of its representations, warranties, covenants, and/or obligations under this Agreement, the non-defaulting party may, in addition to any other remedy provided to the non-defaulting party under this Agreement, pursue all remedies available to the non-defaulting party at law or in equity. All available remedies are cumulative and may be exercised singularly or concurrently.

6. Miscellaneous.

6.1 Severability; Assignment; Binding Effect. Each provision contained in this Agreement will be treated as a separate and independent provision. The unenforceability of any one provision will in no way impair the enforceability of any other provision contained herein. Any reading of a provision causing unenforceability will yield to a construction permitting enforcement to the maximum extent permitted by applicable law. Consultant will not assign this Agreement to any person without City's prior written consent. Subject to the immediately preceding sentence, this Agreement will be binding on the parties and their respective heirs, personal representatives, successors, and permitted assigns, and will inure to their benefit. This Agreement may be amended only by a written agreement signed by each party.

6.2 Attorney Fees; Dispute Resolution. If any arbitration or litigation is instituted to interpret, enforce, and/or rescind this Agreement, including, without limitation, any proceeding brought under the United States Bankruptcy Code, the prevailing party on a claim will be entitled to recover with respect to the claim, in addition to any other relief awarded, the prevailing party's reasonable attorney fees and other fees, costs, and expenses of every kind, including, without limitation, costs and disbursements specified in ORCP 68 A(2), incurred in connection with the arbitration, the litigation, any appeal or petition for review, the collection of any award, or the enforcement of any order, as determined by the arbitrator or court. If any claim, dispute, or controversy arising out of or related to this Agreement occurs (a "Dispute"), City and Consultant will exert their best efforts to seek a fair and prompt negotiated resolution of the Dispute and will meet at least once to discuss and seek a resolution of the Dispute. If the Dispute is not resolved by negotiated resolution, either party may initiate a suit, action, arbitration, or other proceeding to interpret, enforce, and/or rescind this Agreement.

6.3 Governing Law; Venue. This Agreement is governed by the laws of the State of Oregon, without giving effect to any conflict-of-law principle that would result in the laws of any other jurisdiction governing this Agreement. Any action or proceeding arising out of this Agreement will be litigated in courts located in Grant County, Oregon. Each party consents and submits to the jurisdiction of any local, state, or federal court located in Grant County, Oregon.

6.4 Attachments; Further Assurances; Notices. Any exhibits, schedules, instruments, documents, and other attachments referenced in this Agreement are part of this Agreement; provided, however, if any exhibit,

schedule, instrument, document, and/or other attachment conflicts with this Agreement, the terms contained in this Agreement will control. The parties will sign other documents and take other actions reasonably necessary to further effect and evidence this Agreement. Time is of the essence with respect to Consultant's performance of its obligations under this Agreement. All notices or other communications required or permitted by this Agreement must be in writing, must be delivered to the parties at the addresses set forth above, or any other address that a party may designate by notice to the other party, and are considered delivered upon actual receipt if delivered personally, by fax or email transmission (with electronic confirmation of delivery), or by a nationally recognized overnight delivery service, or at the end of the third business day after the date of deposit if deposited in the United States mail, postage pre-paid, certified, return receipt requested.

6.5 Waiver; Entire Agreement. No provision of this Agreement may be modified, waived, or discharged unless such waiver, modification, or discharge is agreed to in writing by City and Consultant. No waiver of either party at any time of the breach of, or lack of compliance with, any conditions or provisions of this Agreement will be deemed a waiver of other provisions or conditions hereof. This Agreement contains the entire agreement and understanding between the parties with respect to the subject matter of this Agreement and contains all the terms and conditions of the parties' agreement and supersedes any other oral or written negotiations, discussions, representations, or agreements. Consultant has not relied on any promises, statements, representations, or warranties except as set forth expressly in this Agreement.

6.6 Person; Interpretation; Execution. For purposes of this Agreement, the term "person" means any natural person, corporation, limited liability company, partnership, joint venture, firm, association, trust, unincorporated organization, government or governmental agency or political subdivision, or any other entity. All pronouns contained herein and any variations thereof will be deemed to refer to the masculine, feminine, or neutral, singular or plural, as the identity of the parties may require. The singular includes the plural and the plural includes the singular. The word "or" is not exclusive. The words "include," "includes," and "including" are not limiting. The titles, captions, or headings of the sections herein are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement. The parties may execute this Agreement in separate counterparts, each of which when executed and delivered will be an original, but all of which together will constitute one and the same instrument. Facsimile or email transmission of any signed original document will be the same as delivery of an original. At the request of either party, the parties will confirm facsimile or email transmitted signatures by signing and delivering an original document.

6.7 Legal Representation. Bryant, Lovlien & Jarvis P.C. represents City only in connection with this Agreement and such attorneys represent only City in this matter. Consultant has thoroughly reviewed this Agreement with counsel of its choosing or has knowingly waived its right to do so. The rule of construction that a written instrument is construed against the party preparing or drafting such instrument will specifically not be applicable in the interpretation of this Agreement and any documents executed and delivered pursuant to, or in connection with, this Agreement.

[end of agreement – signature page immediately follows]

IN WITNESS WHEREOF, the undersigned have caused this Agreement to be made effective for all purposes as of the Effective Date.

CITY:

City of John Day,
an Oregon municipal corporation

CONSULTANT:

Sisul Enterprises, Inc.
an Oregon corporation

By: Ron Lundbom, Mayor

Federal Tax Id. No.: 93-6002192

By:

Federal Tax Id. No.: _____

Exhibit A
Engineering and Environmental Services Proposal

[attached]

STATEMENT OF QUALIFICATIONS



“Turn your Vision into reality. Our Services are unmatched in quality and precision. From design to construction, we will be with you every step of the way”

Sisul Engineering – Civil Engineering Solutions

Environmental Technology Consultants – Natural Resource and Engineering Solutions

Submitted by:

SISUL ENGINEERING

A Division of Sisul Enterprises, Inc.

158 East Main Street

John Day, Oregon 97845

541-575-3777

<http://sisulengineering.com/>

June 17th, 2021

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OFFICE LOCATIONS:

- Gladstone, OR
- John Day, OR
- Medford, OR
- Vancouver, WA

MARKETS SERVED:

- County Road Departments
- Cities and Towns
- Private Development
- Schools
- Churches
- Industrial and Commercial Development



GRANT UNION HS TRACK



*BRIDGE ST. PEDESTIAN
BRIDGE INSTALLATION*



*LIFT STATION
CONSTRUCTION AT COUNTY
ROAD DEPARTMENT SITE*

OVERVIEW

Sisul Engineering, a division of Sisul Enterprises, Inc., is a Civil Engineering Consulting and Design Firm. Sisul Engineering specializes in residential subdivisions, municipal projects, multi-family, commercial, and industrial site design work. Our firm also has designed public works projects, roadway, wastewater and water system improvements, storm water detention and retention facilities, and water quality facilities. Our company was established in 1985 by Thomas J. Sisul, P.E., and has served clients in both the public and private sectors of industry throughout the Northwest. Sisul Engineering has provided services for municipal and county governments, architects, contractors, developers and individual property owners.

Our Civil Engineering design capabilities range from a simple driveway design and small parking lots, to complex subdivisions of over 200 lots and large industrial sites. Sisul Engineering can provide all of the necessary design facets of a particular project including; Professional Engineering and design, project management, planning, and construction services. While utilizing the latest technology in computer assisted design and drafting (CADD), Sisul Engineering is able to provide these services both accurately and efficiently to our clients.

Depending on the project type and size, Sisul Engineering can serve in the capacity of the primary consultant or as a sub-consultant. We have teamed with a number of architects, geotechnical engineers, structural engineers, and surveyors over the years to provide comprehensive services for both the private and public communities.

Sisul Engineering's approach and commitment to design excellence has resulted in a reputation for creative problem solving. Collaboration among staff enables the firm to respond imaginatively to a client's needs, from broad concepts to detailed design.

Our commitment to continuing education and employee development allows us to stay in the forefront of emerging technologies and social issues. We are also committed to providing the highest quality service, at a fair price to our clients, while continuing to grow and provide more comprehensive service for the future.

CIVIL ENGINEERING SOLUTIONS



*LES SCHWAB TIRE CENTER
ST. HELENS, OR*



*COUNTY ROAD AND STREAM
STABILIZATION PROJECT*

The Sisul Engineering team provides services to both public and private sector clients throughout the Northwest. Our team focuses on civil infrastructure, public works, utilities, land development, storm water quality and detention facilities and environmental projects. Services Include:

- Feasibility studies
- Master infrastructure planning
- Grant/Funding applications
- Conceptual designs
- Preliminary Engineering
- Final Design
- Assistance with Bidding and Contracts
- Construction Oversight
- Cost Estimating
- Scheduling

Service Capabilities: Sisul Engineering has a wide variety of technical and support professionals. These individuals provide a variety of engineering and construction experiences to form a competent knowledge base to draw from. A listing of the specialty areas are as follows:

Water/Wastewater Engineering Sisul Engineering offers a complete range of Water/Wastewater Engineering services. Our experience in water supply and distribution studies using computer models, allows us to make informed comparisons of all options. Wastewater designs including, basin analyses, capacity studies, collection systems, lagoons, chlorination systems, and pump station designs have been incorporated in many of our design projects.

Transportation Engineering Sisul Engineering is experienced in several types of transportation and roadway related projects. While utilizing standard engineering practices for roadway designs, we are able to design transportation systems that are both economical and safe for public use. Our designs have included half-street, full-street, sidewalk and curb, landscapes and other various improvements.

Stormwater Engineering Sisul Engineering is educated in many of today's stormwater issues and proficient in formulating economical solutions. Our design experiences include the following: Detention/Retention systems, Pollution Control and Bio-filtration systems, conveyances, and Basin Master Plan studies. We are not only experienced in designing Detention and Water Quality facilities for the individual private developments, but also designs for large regional systems for public agencies.

Construction Services Sisul Engineering can offer full construction management and administration services for all types and sizes of projects. Our field representatives are extensively trained to observe, document, and at times assist the contractor with questions or concerns in the field. Our representatives understand that not only is it important to ensure that our designs are constructed properly, but also that they should be constructed both economically and timely. We feel that this understanding assures that the Client and our own Design Engineers are well represented during construction.

Other Services Sisul Engineering can also provide other services such as planning, long range and phase projects, Advanced Financing Agreements, and Reimbursement Districts, Bid Documents and Contracts, Funding applications, and Project Management.



FIELD DATA
COLLECTION



STREAM MONITORING

NATURAL RESOURCE & ENGINEERING SOLUTIONS

Environmental Technology Consultants (*etc*) was established in 1995 as a division of Sisul Engineering (1985). *etc* was established to provide private and public sector clients with a full service comprehensive Natural Resource and Engineering service. Our goal is to provide clients with cost effective consulting and establish functional development.

Our clients benefit from a staff with great depth and diversity. The *etc* staff is trained and educated as Biologists, Wetland Scientist, and Natural Resource Specialists. The staff has backgrounds in fisheries wetland mitigation, habitat assessment, wildlife, and more.

Our technical expertise, skills, and experience provide a full range of environmental consulting services within a reasonable budget. We take projects from the initial assessment phase through the design & permitting process and ultimately to implementation if required. By cooperating with the clients and agencies we are able to finish a project in a cost effective and timely manner.

Our team prides itself on honesty, integrity, and science orientated solutions to provide our clients with the best possible outcome for their needs.

From the beginning, *etc*'s policy has been to perform a service for our clients strictly based upon the scientific data we collect. Doing anything besides collecting and reporting on the raw scientific data slows down the application process and costs more money for the developer in the long run.

Livability, Community and Aesthetics: The livability of a site is a critical question to ask when contemplating obtaining it and building on it. A site may contain wildlife corridors or wetlands, but that can add significant value to your site. A wetland or wildlife corridor running through the backyard, subdivision, or commercial site frequently enhances the aesthetic value of your site. We live in the beautiful Pacific Northwest and are known as one of the greenest most outdoor areas. People who live here would rather look out their window to a wetland or wildlife corridor than a fence or a busy sidewalk or street.

Development Costs: Our clients' costs are minimized by maintaining the focus of the scope of our work, working within a timely manner, reporting the unbiased scientific data we collect, and designing remedies that use innovative technology and strategies.

Our Team: At *etc* there is a strong desire to establish a sense of community with everyone involved throughout all stages of a project. We keep channels of communication open — projects seem to move along more rapidly when everyone involved knows what to expect.



CANYON MOUNTAIN HEIGHTS



VALLEY VIEW HOUSES JOHN DAY, OR



CANYON CITY COMMUNITY HALL



BANK OF EASTERN OREGON PARKING LOT



JOHN DAY FIRE HALL



BAKER CITY ARMORY

SELECT JOHN DAY OFFICE PROJECTS

Subdivision Development

Canyon Mountain Heights Subdivision– Canyon City, OR
Little Canyon Mountain Height Subdivision – Canyon City, OR
Keeney Fork Estates Subdivision – Long Creek, OR
Stearns Butte Subdivision – Prineville, OR
Rivers Edge Subdivision – Spray, OR
Cracker Creek Subdivision – Sumpter, OR
Indian Rock Subdivision Phase I & II – Prineville, OR
Stone Ridge Subdivision – Harrison, ID
Woodcock Minor Partion Improvements – John Day, OR
Lundy Minor Partion Improvements – Canyon City, OR
Allen Minor Partion Improvements – Canyon City, OR
Holmstrom Minor Partion Improvements – John Day, OR
Gail Minor Partion Land Development – Condon, OR

Low Income & Assisted Living

Canyon East Farmworkers Housing – Madras, OR
Strawberry Apartment Site Rehab – Prairie City, OR
Valley View Addition – John Day, OR
Step Foreward Homes Site Design/Planning – John Day, OR

Multi-Family Site Design

Crest Butte Apartments Site Design – Bend, OR
Castle Rock Apartments – Boardman, OR

Industrial/Commercial Site Design

Grant County Ag Facility at Fairgrounds – John Day, OR
JD Rents Site Design – John Day, OR
Sunriver Plaza Parking, Access, and Drainage Rebuild – Sunriver, OR
Bank of Eastern Oregon Parking Lot Rebuild – John Day, OR
1188 Brew Pub Frontage Improvements – John Day, OR
Valley View Addition – John Day, OR

Public Project Site Design

Baker City USFS Work Center Site Improvements – Baker City, OR
Vale Senior Center Site Improvements – Vale, OR
Unity USFS Site Improvements – Unity, OR
Columbia River Health Clinic – Boardman, OR
Baker City Armory Parking Lot Improvements – Baker City, OR
Dixie Butte Emergency Communications Tower – Grant County, OR
Grant County Road Department Storage Shed – John Day, OR
Head Start Facility – Umatilla, OR
Warm Springs Fire Management Facility – Warm Springs, OR
Community Presbyterian Church Site Improvements – Redmond, OR
John Day Fire Hall – John Day, OR

Select John Day Office Projects Cont.



VANCE CREEK CULVERT



*CANYON CITY SPRING
BOX CONSTRUCTION*



*WEST BENCH RD.
WIDENING AND OVERLAY*



*PRAIRIE CITY ATHLETIC
COMPLEX TRACK*



*GRANT CO. ROAD DEPT.
ROCK CRUSHING*



*LONGVIEW RANCH
HANGER & RUNWAY*

Public Improvements

Humbolt Street Overlay Project – Canyon City, OR
Sewer Lagoon Leak Repair Project – Prairie City, OR
Bridge Street Sidewalks and Pedestrian Bridge – John Day, OR
Bridge Street and 7th Street Overlay Project – John Day, OR
West End Sewer Extension to County Road Department – John Day, OR
Solid Waste Landfill Improvements – Prairie City, OR
Main Sewer Trunk Line Replacement Project – Prairie City, OR
Street and Airport Paving Project – Monument, OR
Hall Street Waterline Replacement Project – Prairie City, OR
4th Street Rebuild/Sewer and Waterline Replacement – Prairie City, OR
Water System Spring Box Rehab – Canyon City, OR
6th Street Rebuild/Sewer and Waterline Replacement – Prairie City, OR
Adam Road Guardrail Improvements and AC Overlay – Grant County, OR
West Bench Road Widening and Overlay – Grant County, OR
Moon Creek Rd. Bridge Re-Deck – Grant County, OR
Multiple Road Repair/Stream Control Projects – Grant County, OR
Vance Creek Emergency Culvert Replacement – Grant County, OR

Site Improvement and Utility Design

Gibson Lane Waterline Extension – John Day, OR
Blue Ridge Rentals Sewer Extension – Baker City, OR
Private Canyon Creek Bridge – Grant County, OR

Reports, Studies, Applications, Master Plans, Feasibility Report

Industrial Park Feasibility Study – Prairie City, OR
O & M Manual – Canyon City, OR
Wastewater Preliminary Engineering Report – Sumpter, OR
Highway 26/395 S/W Project funding application assistance – John Day, OR
Silvies-Hopper Road FLAP Application Assistance – Grant County, OR
Wastewater/Water Preliminary Engineering Report – Monument, OR
Rock Pit DOGAMI Permit Application – Prairie City, OR
Wastewater Preliminary Engineering Report – Prairie City, OR
Condon Brown Field Potential Re-Develop Report – Condon, OR
Sumpter-Granite Road FLAP Application Assistance – Grant County, OR
Rock Pit DOGAMI Permit Application – Canyon City, OR
Triple 7 Ranch Application for New Water Reservoirs – Monument, OR

Miscellaneous Design and Management Projects

Longview Ranch Air Field Runway and Hanger Site Design, Maintenance – Kimberly, OR
Clyde Holliday Park Improvements – Mt. Vernon, OR
Grant Union HS New Track and Events Areas – John Day, OR
Canyon City Community Hall Energy Improvements – Canyon City, OR
Arlington-Hermiston Fiber Optics Installation Project – Gilliam, Morrow & Umatilla Counties, OR
The Dalles-Arlington Fiber Optics Installation Project – Gilliam, Sherman & Wasco Counties, OR
Prairie City Athletic Complex Track Surface and Equipment – Prairie City, OR
Rock Crushing Contract Administration – Grant County, OR
Juniper Ridge Acute Care Center Fencing Project – John Day, OR
ODOT Sanding Shed Construction Inspections – John Day, OR
GUHS LED Lighting Retrofit Project – John Day, OR
Economic Development Enterprise Zone Maps – Grant County
Zoning Maps – Prairie City, John Day, Canyon City, Seneca



***etc* Past Projects**

Haven Estate -Haven Estates was developed into 54 lot subdivisions from a 16.1 acre parcel in Portland, Oregon.

The site is located on the north face of Mt. Scott, in an old second The site is located on the north face of Mt. Scott, in an old growth with mixed hardwood and conifer forest. It generally had very steep slopes, with three intermittent streams traversing the property. *etc* inspected the site and provided the services listed below.

Services provided:

- Delineation of onsite wetlands
- Phase I environmental site assessment
- Site characterization for leaking ust site
- Site remediation plan and project management
- Contract administration
- Agency coordination and reporting

Kelly Creek - The subject property on 8.16 acres of land was being considered for residential development in Gresham, Oregon. The site is located at the north end of SE Williams Drive.



etc was hired to investigate the area and determine whether any wetlands were present. A small un-named tributary of Kelly Creek flows across the southwest corner of the property. The subject property slopes down to the southwest toward the creek. Approximately .969 acre of wetland was determined for the site. Residential houses were developed with a small greenbelt area to enjoy. One of the main reasons homeowners bought in this location was because of the greenbelt space.

Services provided:

- Phase I environmental site assessment
- Media sampling plan
- Coordination of voluntary cleanup plan

Pioneer Place This project site was developed into 81+ lot subdivisions from an 18.63 acre parcel in Oregon City, Oregon. The site was generally an old field upland community that slopes toward Caufield Creek. A low area containing a remnant stream channel, emergent wetlands, and springs feed into Caufield Creek located along the north property line.

etc was hired by the developer to perform environmental services required by governmental agencies in order to proceed with the proposed activities.

Services provided:

- Delineation of onsite wetlands
- Phase I environmental site assessment
- Water resources impact analysis
- Wetland mitigation design
- Section 404 permitting
- Mitigation project management

SELECT FIRM PROJECTS:

Subdivision Development

4 to 10 Lots

Canby Garden Estates - Canby, Oregon
Campus Meadows - Molalla, Oregon
Firwood Meadows - Milwaukie, Oregon
Lakeside Heights - Lincoln City, Oregon
Megans Court - Aloha, Oregon
Saddle Hill Estates - Beavercreek, Oregon
Wehler Estates - Wilsonville, Oregon

11 to 20 Lots

Anthony Heights - Milwaukie, Oregon
Azalea Park - Portland, Oregon
Green Mountain Ranch - Parkdale, Oregon
Hillview - Oak Grove, Oregon
Holmes Meadows - Oregon City, Oregon
Iron Ridge Village / Chamberlians Field - North Plains, Oregon
Old Barn - Damascus, Oregon
Pacific Cascade Heights - Oregon City, Oregon
Remington Ridge (**1993 Street of Dreams**) - West Linn, Oregon
Royal Oaks - Troutdale, Oregon
Willow Ridge - Hood River, Oregon

Multi Family

Crossings Apartments - Clackamas, Oregon
Eastview Commons - Clackamas, Oregon
Garden Creek Apartments - Clackamas, Oregon
Heather Brae Commons - Clackamas, Oregon
Mount Scott Commons - Clackamas, Oregon
Nicholson Road Apartments - Vancouver, Washington
Parkside - Gresham, Oregon

Low Income and Assisted Living

Housing Authority of Portland
Tillicum North - Gresham, Oregon
Tillicum South - Gresham, Oregon
Hunter's Run - Portland, Oregon
Harold Lee Village - Portland, Oregon
Cedar Meadows Apartments - Gresham, Oregon
Courtyard Village - Gresham, Oregon

21 to 40 Lots

Alimarie Estates - Clackamas, Oregon
Barbary Cove - Gladstone, Oregon
Columbia Heights - Hood River, Oregon
Echo Valley Meadows - Clackamas, Oregon
Gentry Highland - Gresham, Oregon
Mt. Gate - Happy Valley, Oregon
Mt. Sun Village - Clackamas, Oregon
Scenic Meadows - Sandy, Oregon
Sheri Lynn Estates - Gresham, Oregon
Spear Estates - Washington County, Oregon
Sunnyside Village 1 & 2 - Clackamas, Oregon
Tanner Crest - West Linn, Oregon
West Powell Butte/Cora Place - Portland, Oregon

41 or More Lots

Barrington Heights 5, 6, 8 & 9 - West Linn, Oregon
Castleberry Park 1 & 2 - Oregon City, Oregon
Deer Meadows 1 & 2 - Oregon City, Oregon
Emerald Heights 1, 2, and 3 - Gresham, Oregon
Emerald Meadows - Clackamas, Oregon
Faist Addition 1, 2, and 3 - Canby, Oregon
Frontier Estates - Clackamas, Oregon
Gentry Park - Gresham, Oregon
Grand Vista 1, 2 and 3 - Clackamas, Oregon
Renaissance Heights 1, 2, and 3 - West Linn, Oregon
Rolling Acres - Dundee, Oregon
Royal View Estates - Clackamas, Oregon
Royal Vista - Happy Valley, Oregon
Sam Barlow Mt. View Estates - Gresham, Oregon
Sedona Park - Clackamas, Oregon
Sieben Creek Estates 1, 2, and 3 - Clackamas, Oregon
Summerfield - Clackamas, Oregon

Powell Valley Farms - Gresham, Oregon
Red Tail Canyon - Portland, Oregon
Riverside Apartments - Hood River, Oregon
Scott Mountain by the Brook Apartments - Portland, Oregon
Sunnyside Village Apartments - Clackamas, Oregon

Courtyard Village - Raleigh Hills, Oregon
CY's Family Housing - Portland, Oregon
Huntington Terrace - Gresham, Oregon
Lents Village Apartments - Portland, Oregon
McIntyre/Archuletta Family Housing - Portland, Oregon

Mobile Home Park

Clackamas Street Mobile Home Park - Portland, Oregon
Lanter Landing - Clackamas, Oregon

Parkway Mobile Home Park - Portland, Oregon
S. E. 128th & Ramona - Portland, Oregon

Industrial/Commercial Site Design

Banfield Corporate Park - Gresham, Oregon
Bordeaux Commerce Park – Clackamas County, Oregon
Columbia Rubber - Clackamas, Oregon
East Washington County Transfer Station - Wilsonville, Oregon
Familian Northwest - Hillsboro, Oregon
Fleisher/Polson Building - Beaverton, Oregon
Ideal Leasing Site - Portland, Oregon
Murphy Industrial Supply - Tualatin, Oregon
Northwest Fourside - Sherwood, Oregon
Olson Barker Cabinets - Tualatin, Oregon
Oregon Comfort Heating - Clackamas, Oregon
Pacific States Galvanizing - Tualatin, Oregon
Ridgefield Storage – Vancouver, Washington

Rustbusters – Canby, Oregon
Sani-Lease - McMinnville, Oregon
Schulz Clearwater - Tualatin, Oregon
Shooters' Mercantile - Salem, Oregon
Snap on Tools - Tualatin, Oregon
Triple S Site - Sherwood, Oregon
Tualatin Valley Builders Supply - Vancouver, Washington
Tube Specialties - Troutdale, Oregon
United Buy & Sell Furniture - Hillsboro, Oregon
West Coast Picture Frame Corporation - Portland, Oregon
Willamette/205 Corporate Center - West Linn, Oregon

Site Improvement and Utility Design

American Legion - Tigard, Oregon
Channel Island Marina - Portland, Oregon
Contech Construction Products – Hillsboro, Oregon
Foley Lakes Mobile Home Park - The Dalles, Oregon
Kingdom Hall of the Jehovah Witnesses - Gresham, Oregon
Monrovia Nursery - Dayton, Oregon

Nabisco Foods - Portland, Oregon
Northwest Natural Gas Maintenance Yard - Tualatin, Oregon
Prince of Life Lutheran Church - Oregon City, Oregon
Santiam Village Mobile Home Park - Lebanon, Oregon
Scrubby's Car Wash - Milwaukie, Oregon
Valley View Animal Clinic - Clackamas, Oregon

Public Improvements

19th Street Storm Drain Overflow - City of West Linn
119th Street Sewer Extension - Clackamas County Sewer District #1
Bridge Street Sidewalk Improvement – City of Prairie City, Oregon
Bolton Storm Drain Improvement – City of West Linn, Oregon

Champagne Lane Sanitary Sewer Extension - Clackamas County, Water Environment Services
Powell Butte Park Access Road - City of Portland, Parks Bureau
Public Works Design and Construction Standards - City of West Linn

Select Project Descriptions of Sisul Engineering Projects

PROJECTS INVOLVING URBAN STREETS OR STREETScape IMPROVEMENTS

- Project name - Falls View Overlook Enhancement
Location - Oregon City
Client - City of Oregon City
Summary - This project involved design to improve an overlook area to the Oregon City falls from Downtown Oregon City. The project situated in Highway 99E right-of-way adjacent to the Willamette River and next to the Blue Heron Paper Mill, involved creating a sidewalk plaza area for overlooking the falls. The design included seating areas that also double as pedestrian protection barriers from errand vehicles which may miss a sharp corner on the highway.
- Project name - Sidewalk Improvements on SE Causey
Location - Clackamas Town Center area of Clackamas County
Client - Clackamas County Development Agency
Summary - Sidewalk areas along SE Causey, SE 90th and SE 85th had been damaged by roots of very large street trees. Sisul Engineering was hired to prepare engineering plans for replacement of sidewalk areas, enlarging tree wells, providing for tree root barriers and noting replacement trees for the impacted streets.
- Project name - Urban Plaza
Location - SW Portland
Client - Portland State University
Summary - In conjunction with Merriman-Barnes Architects and Nevue-Ngan Landscape Architects, Sisul Engineering designed improvements for drainage and other features related to this pedestrian plaza area on the PSU campus.
- Project name - Montgomery Green Street - North Plaza
Location - SW Montgomery Street, Portland
Client - Portland State University and City of Portland
Summary - Sisul Engineering teamed with Nevue-Ngan Associates in the design of this pedestrian plaza along SW Montgomery near the Portland State Campus.
- Project name - Bridge Street Sidewalk Improvements
Location - John Day
Client - City of John Day
Summary - This project design includes sidewalk improvements to Bridge Street adding sidewalks in areas that didn't have any and replacing sidewalks that were deteriorating and/or under sized. ADA ramps were added at all the intersections and obstacles limiting travel such as signs and utility poles were relocated. A pedestrian bridge was added continue pedestrian travel thru to 7th Street. This project involved State funding from ODOT.
- Project name - East Jersey Street Improvements
Location - Gladstone
Client - City of Gladstone
Summary - This project design includes improvements to east Jersey Street including replacement of the street section, curb and sidewalk, and improving drainage issues along the street. This project involved federal funds funneled through the Clackamas County Community Development Division.

MUNICIPAL PROJECTS

Project name - Downtown Gladstone Sanitary Sewer Investigation
Location - Gladstone
Client - City of Gladstone
Summary - Sisul Engineering was hired to perform an investigation of the existing sanitary sewer infrastructure in an area of downtown Gladstone bounded by Portland Avenue, Barton Avenue, Arlington Street and Hereford Street. The purpose of the investigation was to determine if additional interties could be made between the Portland Avenue main and the local mains to the west of Portland Avenue in order to relieve over-capacity issues in the W. Clackamas Blvd. sanitary sewer main. The project included inspection and surveying of existing sanitary manholes, preparation of a capacity analysis of the Portland Avenue main and the mains in the local side streets from Arlington to Hereford. The project also included graphing cumulative rainfall over 24, 48 & 72 hour periods vs. and comparing the rainfall graphs to spikes mapped in the sanitary sewer flow.

Project name - West End Sewer Project
Location - John Day
Client - Grant County Road Department
Summary - Grant County Road Department hired Sisul Engineering to design a sewer extension from the west end of John Day to the new County Road Department facility on Lower Yard Road. The system involves approximately 7300 LF of sewer forcemain, two lift station, manholes, and 6800 LF of 8-inch gravity line. The system was designed to handle the current loads as well as some future growth and the lift stations were setup to be easily expanded for larger amounts future growth.

This project is unique in that the project was built with County and City work forces. Sisul Engineering provided the design, construction plans and specifications, and construction oversight. Along with this we assisted the county in ordering materials, obtaining DEQ permits & an ODOT right-of-way encroachment permit, and testing of the system. It was estimated that this project contracted out would cost about 2 million dollars, the project was completed for less than 25% of that, thanks to the efforts of everyone involved.

Project name - Water Source – Spring Box Rehab
Location - South of Canyon City
Client - Canyon City
Summary - City's main water source is a remote spring located approximately 3 miles south of town. The existing collection box was failing and need replacement. The Goal of the project was to determine the actual source of water, rebuild the collection system, and improve access. Sisul Engineering assisted with this project providing, preliminary designs and layouts, final construction plans and specifications were submitted for approval, bid documents prepared, assistance with contractor selection, construction inspections, and final as-builts of the project. Project was funded by Safe Drinking Water Revolving Loan Fund.

Project name - 82nd Drive Transmission Water main Blow-off
Location - Gladstone
Client - City of Gladstone
Summary - The City of Gladstone desired to blow-off stagnant water that had been residing in a 2500 foot long dead end emergency intertie for well over 10 years. Sisul Engineering researched available information on the inter-tie and contacted several government agencies including the Department of Environmental Quality and Clackamas County Water Environment Services, to determine the available options for disposal of the stagnant, likely non-chlorinated water.

Project name - Sewer Lagoon Repairs
Location - Prairie City
Client - Prairie City
Summary - Construction completed in 2010 – This City funded project involved preparing plans to repair a lagoon. One of the City’s lagoons was showing signs of deterioration and was determined to be leaking. Sisul Engineering worked with the public works department to develop monitoring plan and methods to determine the rate of the lagoons leakage. Based on these results, site visits, and discussions with the City, several alternatives were developed to repair the lagoon. Sisul Engineering prepared the final repair plans, contract documents, and oversight of the project. Once the project was completed we assisted the City in developing a method of collection of the data necessary to determine the effectiveness of the repairs and long term monitoring of the lagoons.

Project name - Watts Street to Abernathy Lane Storm Drain Investigation
Location - Gladstone
Client - City of Gladstone
Summary - Sisul Engineering investigated two existing storm drain pipe systems located between Duniway Avenue and Abernathy Lane in order to determine if new storm drain connections could be made that would help alleviate flooding occurring on Glen Echo Avenue. Two parallel storm drain systems were investigated near the Gladstone High School Stadium, one system located along the west side in Portland Avenue in front of the stadium and a second system located behind the stadium and the Gladstone Center for Children and Families. Sisul Engineering mapped the two systems from Duniway Avenue to Abernathy Lane and identified several areas of concern due to lack of grade in the system. Sisul Engineering determined that storm drain improvements could be made that would improve the conditions on Glen Echo Avenue.

Project name - Wastewater System
Location - Monument, OR
Client - City of Monument
Summary - In 2010 Sisul Engineering started the preparation of a Preliminary Engineering Report for improvements to the water and wastewater systems in Monument. Sisul Engineering assisted the City in determining best course of action to meter water usage and improvements needed to the sanitary sewer system to be in compliance with DEQ requirements and permit. Sisul Engineering also assisted the City in the preparation of documents for United States Department of Agriculture (USDA) Rural Development funding for the needed upgrades to the wastewater system. Construction of the wastewater improvements included lagoon outlet modifications, chlorination system for irrigation and new generators for the lift stations, began in 2016 and is nearly complete with only the final testing remaining.

PRIVATE PROJECTS

Project name - Monrovia Nursery Improvements
Location - Dayton, OR
Client - Monrovia Nursery
Summary - Monrovia Nursery Oregon Operations building, Dayton, Oregon - Monrovia Nursery headquartered in Monrovia, California decided to construct an Oregon office on their nursery site south of Dayton. William Church Architects hired Sisul Engineering to design the Civil Engineering aspects of the facilities.

Design elements included widening of Lafayette Highway for a left turn lane and a deceleration lane at the entrance of Monrovia's new office site. Design also included parking lot facilities for the new building and design of pump facilities, to use the landscape ponds, created on-site, to use as a water source for the building's fire sprinkler system, as the building is outside any water district provider.

The pumping system and building sprinkler system got its baptism as the Monrovia office staff was moving into the new building and a fire broke out. We are happy to report that the system worked as designed, the fire was extinguished and the building saved.

Project name - West Linn Corporate Park
Location - West Linn, OR
Client - Developer
Summary - Nearly 100,000 square feet of office space was constructed on a 7-acre site overlooking Interstate 205 and the Willamette River in West Linn, Oregon. The sloping site was developed with a four-story and a two-story building, sidewalks, stairways, driveways and 370 parking spaces. The natural 15% grade of the terrain was a major influence on the design of the site as both parking areas and buildings were designed to stair step up the slope. Multiple types of retaining walls were used to terrace the slope, rockery, gravity block, and poured in place type walls. Sisul Engineering helped develop the concept, helped develop a site plan and designed the grading and utility improvements for the development and surrounding streets. During site construction Sisul Engineering was hired as part of a team that designed the first stormwater flocculation system in the Portland area used to treat turbid stormwater runoff from a construction site. Turbidity was reduced to acceptable levels by treating the stormwater runoff via the use of a chemical additive and a combination of flocculating and settling. Sisul Engineering was responsible for obtaining the necessary approvals of the Oregon Department of Environmental Quality and the City of West Linn and to keep both jurisdictions abreast of the system development, operation and monitoring.

Project name - Pioneer Place Subdivision
Location - Oregon City, OR
Client - Developer
Summary - This project involved developing 18.63 Acres into 81 single family lots and open space. The site is located in Oregon City, Oregon. The site prior to development was gently rolling vacant farm or pasture ground and a low area wetland. Sisul Enterprises provided the services required for all phases of development, from the preliminary layout of the site through the completion of the construction.

etc performed the environmental services required by governmental agencies and as requested by the developer to proceed with the proposed activities. The site is generally an old field upland community that slopes toward Caufield Creek. A low area containing a remnant stream channel, emergent wetlands, and springs feed into a ditch (the relocated Caufield Creek) located along the north property line. Among other issues involved in the project were fish passage and habitat for resident Cutthroat Trout.

The design phase of the project involved designing the infrastructure to meet specifications of both City and Clackamas County. This project also involved the relocation a road side ditch (that was a relocated Caufield Creek) and reconstructing it to a natural stream condition. The existing roadside ditch drained approximately 236 acres including an airport, golf course, residential subdivisions, and undeveloped land. In order to design the new stream an analysis of the drainage basin was done. The new stream was designed to comply with mitigation requirements set by the City, the Division of State Lands, U.S. Army Corps of Engineers, and Oregon Fish and Wildlife Department. The new stream the stream corridor was to be recreated to its original characteristics. Baseline data was collected from a remnant natural reach of the stream and applied to the restoration effort. The quality of the existing wetland area was deteriorating due to previous development of neighboring sites reducing the natural ground water draining to the wetland. A recharging system was designed to increase the water source for the wetland and help restore the native species. A street crossing of the relocated stream required designing culvert not only to pass the runoff flows, but also to allow fish passage upstream.

Project Considerations by Sisul Engineering

Many of our projects are for small communities or private parties and it is important that systems be designed to be effective, have a long life and be feasible. Small communities, businesses, and individuals do not have the resources to continually upgrade and replace facilities. Besides cost, often the value of a project can be measured by how well it functions, how easy it is to operate and maintain, and how long it is expected to last.

Sisul Engineering realizes that especially in a small community, resources, equipment, and personnel can be limited and that a project must also be geared to match them individually. The City staff and officials have a lot of involvement in our projects. Since they are the ones that will be operating the system their questions, request, and concerns are always investigated and evaluated.

Our Firm believes in providing the best possible service available. By having multiple offices in Oregon and Washington we feel we can better serve communities near our offices. The staff at each office is up to date and familiar with local regulatory agency rules, staff, proceeds, and response times. Things one can only gain from working with these agencies on a regular basis.

As no single engineer or individual has all the best ideas or has experienced all possible issues or agency outcomes, our careers are simply not long enough to experience everything. We at Sisul Engineering recognize this and therefore we when dealing with things out of the ordinary we talk about it and see what others on our staff may have experienced or have encountered that would be of benefit. We fortunately have an experienced staff with many project experiences to refer and reflect back upon.

Select Company Personnel

	Title	Office	Started In
Thomas J. Sisul, P.E.	President/Principal Engineer	Medford/Gladstone	1985
Patrick A. Sisul, P.E.	Vice President/Principal	Gladstone	1990
Josef K. Hitz, P.E.	Branch Manager	John Day	1992
Douglas J. Johnson, P.E.	Project Manager	Gladstone	1998
Adriana Z. Slavens, P.E.	Senior Project Engineer	Gladstone	2003
James M. Fox, P.E.	Senior Project Engineer	Gladstone	2004
Garrett J. Blackburn, EIT	Project Engineer	John Day	2020

Thomas J. Sisul, P.E.
Principle/Civil Engineer

As President of Sisul Enterprises, Inc. and founder of Sisul Engineering Tom has more than 35 years' experience working as a Civil Engineer and for more than 30 years has led Sisul Engineering. Tom began working for an engineering consulting firm in 1979. In 1985 Tom started Sisul Engineering as a one-person firm that now has grown to 4 offices. Tom now resides in the Eagle Point area and leads the Southern Oregon office of Sisul Engineering, which was opened in 2007.

During his career as a project engineer and as the Principal of Sisul Engineering, Tom has worked on projects as varied as 100+ lot subdivisions, a \$1,000,000 bridge project, sewage pump stations, and various street and utility improvements. Tom has experience dealing with the planning process for approvals of subdivisions and commercial sites, design work both as a project engineer and as a principal and also has performed inspection and other construction related work. Tom's area of work has involved most of the Metropolitan Portland area jurisdictions, and many Western Oregon and SW Washington area jurisdictions. He has also dealt with the Oregon Department of Environmental Quality, the Oregon Department of Transportation, the Oregon Division of State Lands, and the Corps of Engineers.

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, Oregon #12820
Registered Professional Engineer, California #C38769
Registered Professional Engineer, Washington #23114
Registered Professional Engineer, Idaho #5432
Registered Professional Engineer, Wyoming #11097

EDUCATION

B.S. Civil Engineering
Oregon State University, 1978

Josef K. Hitz, P.E.

Eastern Oregon (John Day) Branch Manager/Civil Engineer

Joe Hitz, who graduated with an Agricultural Engineering degree from Oregon State University, has more than two decades of experience working for Cities, Towns, Counties, land owners and private developers though out Oregon and since 1999 in Eastern Oregon. He is familiar with the regulatory people for state agencies that must be dealt with and believes that working cooperatively in a teamwork fashion with the regulatory agencies is important, to move projects forward in a timely manner. Joe brings to his clients his common sense approach to solving problems and working cooperatively with the client to find an affordable solution for the improvement or task at hand.

Joe has worked on a large variety and all aspects projects including; field inspections, planning and preliminary design, and design of water systems, sewer collection systems, wastewater treatment systems, spring developments, diversions, small and large fish friendly culverts, storm drain collection systems, solid waste/landfill site development, streets, general grading and erosion control plans, and preparation of cost estimates, bid documents, and contract documents. His involvement in projects throughout Eastern Oregon over the last 15+ years, he has a working relationships with many of the various agencies and their local contacts such as; ODFW, EPA, ACOE, DEQ, ODOT, WRD, and DSL. These relationships often add in developing feasible and effective projects for his clients.

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, Oregon #18530
Registered Professional Engineer, Idaho #10680(inactive)

EDUCATION

B.S. Agricultural Engineering,
Oregon State University, 1992

Douglas J. Johnson, P.E.
Senior Project Engineer

Doug began his career with Sisul Engineering in 1998. Doug is a Registered Professional Engineer in Oregon and California, with experience in engineering design and site inspection for projects including residential subdivisions, commercial sites and industrial sites. He has been involved in projects requiring the design of water supply systems, sanitary sewer systems, storm drain conveyance systems, storm drain detention and water quality systems, retaining walls and site grading. Doug has been involved in the design of several of the green street projects that Sisul Engineering has done, including those in Portland, Beaverton and Salem.

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, Oregon #57972
Registered Professional Engineer, California #C65127

EDUCATION

B.S. Civil Engineering
Oregon State University, 1998

Adriana Z. Slavens, P.E.
Senior Project Engineer

Adriana joined the design team at Sisul Engineering in 2003. Since then, Adriana has been involved in a wide spectrum of projects including: public and private street improvements, subdivision design, residential partitions and annexations, and commercial facility and parking lot development. Adriana has experience in water supply systems, sanitary sewer systems, storm drain conveyance systems, storm water detention and water quality systems, site grading and retaining wall design. She also has experience in permit application submittals, in-field site inspections and has attended seminars in sustainable development and green development practices and programs such as Leadership in Energy and Environmental Design for Neighborhood Development (LEED-ND) and Low-Impact Design (LID).

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, Oregon #72522

EDUCATION

B.S. Civil Engineering
University of Portland, 2003

Patrick A. Sisul, P.E.
Corporate Vice President / Civil Engineer

After obtaining his P.E. licenses in 1993, Pat became a Project Manager, and now focuses on preparing and propelling project applications through the Land Use process and overseeing the engineering design and construction management of these projects after they are approved. Pat has been Project Manager on large commercial projects, industrial sites, public parks, apartment complexes, arterial and collector roadway projects and single family developments from 2 to 130 lots. In 1999, he was involved with developing the first storm water flocculation system in the Portland area used to treat turbid runoff from a construction site, which was featured in *The Daily Journal of Commerce*. Pat has worked with the Oregon Department of Transportation, the Department of Environmental Quality and has worked in several jurisdictions including the counties of Clackamas and Washington and the cities of Canby, Gladstone, Gresham, Lake Oswego, Lincoln City, Oregon City, Portland, Sandy, Tualatin, West Linn and Wilsonville.

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, Oregon #16551
Registered Professional Engineer, Washington #29717

EDUCATION

B.S. Civil Engineering,
Oregon State University, 1988

Garrett J. Blackburn,
Engineer in Training

Garrett Blackburn graduated from Oregon State University with a dual degree in Civil Engineering and Forest Engineering and is currently working towards becoming a Professional Engineer. He began working with Sisul Engineering in 2017 for the John Day Branch and has worked on various private and public projects that include field inspections, sewer sanitary and water systems, storm water management, erosion control plans and grading plans. Garrett has also worked with cities and public agencies on preparing grants, cost estimates, bid documents and contract documents to help ensure that their projects are within budget and are competitively bid.

REGISTRATIONS/CERTIFICATIONS

EDUCATION

B.S. Civil Engineering,
Oregon State University, 2020
B.S. Forest Engineering,
Oregon State University, 2020