Mr. Michael Steffen
1504 S Mountain View Ave
Tacoma, WA 98465

Steffen Construction Inc

Bid submittal

ATTN: City of Tacoma Procurement
+ Payables Division
PG. 19-0127F
Cowlitz Mossy Rock Dam
Rockfall Mitigation

wp

APR 8 '19 PM 2:26

Steffen Construction
Name of Bidder

PROPOSAL

	QUANTITY	BID UNIT	UNIT COST	TOTAL COST
ITEM 1 Mobilization/Demobilization	1	LS	$ 52,000	$ $52,000
ITEM 2 Brush and Tree Clearing	20	HR	$ 110	$ 2,200
ITEM 3 Interim Rockfall Protection and Rockfall Debris Removal	1	LS	$ 10,000	$ 10,000
ITEM 4 Removal of Existing Cable Nets	1	LS	$ 6,000	$ 6,000
ITEM 5 Repair of Cable Net Panel 1	1	LS	$ 10,000	$ 10,000
ITEM 6 Pinned Spider® System Nets	5,600	SF	$ 10	$ 56,000
ITEM 7 Pinned Spider® System Pins	100	EA	$ 1,750	$ 175,000
ITEM 8 Rock Bolts	810	LF	$ 160	$ 129,600
ITEM 9 *Force Account				$ 50,000

*Bidders shall include the $50,000 figure as part of their overall bid.

TOTAL ITEMS 1 - 9 $ 490,800

**Sales Tax @ 7.8% (Mossyrock) $ 38,282.40

(**Note Paragraph 1.13 of General Provisions)

TOTAL AMOUNT $ 529,082.40

SIGNATURE PAGE

CITY OF TACOMA - DEPARTMENT OF PUBLIC UTILITIES - TACOMA POWER

All submittals must be in ink or typewritten and must be executed by a duly authorized officer or representative of the bidding/proposing entity. If the bidder/proposer is a subsidiary or doing business on behalf of another entity, so state, and provide the firm name under which business is hereby transacted.

Submittals will be received and time stamped only at the City of Tacoma Purchasing Division, located in the Tacoma Public Utilities Administration North Building, Main Floor, at 3628 South 35th Street, Tacoma, WA 98409. **See the Request for Bids page near the beginning of the specification for additional details.**

REQUEST FOR BIDS SPECIFICATION NO. PG19-0127F

COWLITZ
MOSSYROCK DAM ROCKFALL MITIGATION

The undersigned bidder/proposer hereby agrees to execute the proposed contract and furnish all materials, labor, tools, equipment and all other facilities and services in accordance with these specifications.

The bidder/proposer agrees, by submitting a bid/proposal under these specifications, that in the event any litigation should arise concerning the submission of bids/proposals or the award of contract under this specification, Request for Bids, Request for Proposals or Request for Qualifications, the venue of such action or litigation shall be in the Superior Court of the State of Washington, in and for the County of Pierce.

Non-Collusion Declaration

The undersigned bidder/proposer hereby certifies under penalty of perjury that this bid/proposal is genuine and not a sham or collusive bid/proposal, or made in the interests or on behalf of any person or entity not herein named; and that said bidder/proposer has not directly or indirectly induced or solicited any contractor or supplier on the above work to put in a sham bid/proposal or any person or entity to refrain from submitting a bid/proposal; and that said bidder/proposer has not, in any manner, sought by collusion to secure to itself an advantage over any other contractor(s) or person(s).

Steffen Construction Inc.
Bidder/Proposer's Registered Name

1504 S. Mt View Ave
Address

Tacoma WA 98465
City, State, Zip

MatrixDrilling@Gmail.com
E-Mail Address

35-2380498
E.I.No. / Federal Social Security Number Used on Quarterly Federal Tax Return, U.S. Treasury Dept. Form 941

Signature of Person Authorized to Enter into Contracts for Bidder/Proposer — Date 4/8/2019

Michael W. Steffen, President
Printed Name and Title

253-255-4032/ Fax: 253-572-9367
(Area Code) Telephone Number / Fax Number

603-004-480
State Business License Number
In WA, also known as UBI (Unified Business Identifier) Number

STEFFC1909JZ
State Contractor's License Number (if applicable)
(See Ch. 18.27, R.C.W.)

Addendum acknowledgement: #1 X #2 X #3 X #4 X

THIS PAGE MUST BE SIGNED AND RETURNED WITH SUBMITTAL

City of Tacoma
Finance - Tax & License Division
(253) 591-5252
747 Market St, Room 212, Tacoma WA 98402
www.cityoftacoma.org/businesslicense

STEFFEN CONSTRUCTION INC
1504 S MOUNTAIN VIEW AVE
TACOMA WA 98465-1228

City of Tacoma
2019
General Business License

City Account Number
500058235

Business Location:

1504 S MOUNTAIN VIEW AVE TACOMA WA 98465-1228

Danielle Larson

Danielle Larson, Tax & License Manager

Expires: 12/31/2019

POST CONSPICUOUSLY

BUSINESS LICENSE

STATE OF
WASHINGTON

Unified Business ID #: 603004480
Business ID #: 001
Location: 0001
Expires: Jan 31, 2019

Profit Corporation

STEFFEN CONSTRUCTION, INC.
1504 S MOUNTAIN VIEW AVE
TACOMA, WA 98465-1228

UNEMPLOYMENT INSURANCE - ACTIVE

INDUSTRIAL INSURANCE - ACTIVE

TAX REGISTRATION - ACTIVE

CITY ENDORSEMENTS:

UNIVERSITY PLACE GENERAL BUSINESS (EXPIRES 3/31/2019) - ACTIVE

KIRKLAND GENERAL BUSINESS - NON-RESIDENT #OBL29366 - ACTIVE

LICENSING RESTRICTIONS:

Not licensed to hire minors without a Minor Work Permit.

This document lists the registrations, endorsements, and licenses authorized for the business named above. By accepting this document, the licensee certifies the information on the application was complete, true, and accurate to the best of his or her knowledge, and that business will be conducted in compliance with all applicable Washington state, county, and city regulations.

Vicki Smith

Director, Department of Revenue

Department of Labor and Industries
PO Box 44450
Olympia, WA 98504-4450

STEFFEN CONSTRUCTION INC
1504 S MT. VIEW AVE
TACOMA WA 98465

STEFFEN CONSTRUCTION INC

Reg. CC STEFFCI909IZ
UBI 603-004-480

Registered as provided by Law as:
Construction Contractor
(CC01) - GENERAL

Effective Date: 4/9/2010
Expiration Date: 2/21/2021

City of Tacoma

(PG19-0127F)
Contractor Name STEFFEN CONSTRUCTION

Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (March 27, 2019), that the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify under penalty of perjury under the laws of the state of Washington that the foregoing is true and correct.

Steffen Construction, Inc.
Bidder

Signature of Authorized Official*

Michael W Steffen
Printed Name

President
Title

4/8/2019
Date

Tacoma
City

WA
State

Check One:

Individual ☐ Partnership ☐ Joint Venture ☐ Corporation ☒

State of Incorporation, or if not a corporation, the state where business entity was formed:

Washington

If a co-partnership, give firm name under which business is transacted:

_____

** If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.*

CONTRACTOR'S RECORD OF PRIOR CONTRACTS

NAME Steffen Construction Inc. ADDRESS 1504 S Mt View Ave Tacoma, WA

Beginning Date	Completion Date	Contract With	Contact Person Telephone #	Amount of Contract
		Krazan	Vijay Chatteroy 253-939-2500	10K Annually
		Cobalt Geosciences	Phil 206-331-1097	50K Annually
		GeoResources	Keith 253-896-1011	100K Annually
		Development Engineering	Glen 253-548-5037	10K Annually
9/18	11/18	185 Ft Sea Wall- Barton Residence	Dave Barton 253-548-5037	$185K
5/18	6/18	Soldier Pile Wall- Anderson Residence	Zeno Anderson 253-232-9842	$90K
2017	2018	Structural Steel Cliff Repair Hansch Residence	Mike Hansch 253-307-4600	$150K
10/17	11/17	Quigg Bros Construction	Matt Zapeta 360-310-6208	$20K
1/18	2/18	Marine Floats Corp.	Logan Brown 253-677-3949	$76K
8/18	8/18	Versatile Drilling	John Martin 206-763-9376	$50K
11/18	11/18	Master Level Construction	Stefan Broadrick 253-223-1638	$10K
		See Attached for more		

REMARKS: Also, see attached records for Subcontractor Terra Firma Drilling who performed similar rock bolting and mesh jobs at Cushman 2, and Mayfield dams.

Terra Firma Drilling

Slope & Structure Stabilization in Perplexing Locations
TERRAFD892RZ 2661 N Pearl Street #151 - Tacoma, WA 98407 / 253-691-3060

Recent Pile and Anchor Experience **3/18/2019**

3/2018
Lynch Residence Slope Repair
Sunrise Beach, Gig Harbor
100 qty grouted anchors, 8000 SF Mesh, 6'x80' Soldier Pile Wall

11/2018 Jefferson House MSE Wall Repair
12 Grouted anchors and Geobrugg Mesh
12215 NE 128th St Kirkland, WA
Terracon: Fernando Madrona 240-472-5506

10/2018
Kehoe Residence Slide Repair
3122 Leeward Ct, Olympia
42 grouted anchors, Geobrugg Wire Mesh
Bill Halbert, InsightGeologic, (360) 754-2128

8/2018
Leber Residence Anchored Soldier Pile Wall
1522 East Howe St. Seattle, WA 98112
Installed and locked off 11 Grouted anchors
Chad Wheeler, RW Anderson Homes, (206) 571-9280

6/2018
OSI Rockfall Mesh Repair - Dutch Harbor, AK
Added 35 Rockbolts to stabilize Rockfall Mitigation Netting and Tank Liner
Contact: Chad Parsons, Aleutian Fuel Services / OSI 907-581-1827
OSI facility, Captains Bay Rd, Unalaska, AK

5/2018
Derleth Residence Slope Repair - Edmonds
10 grouted anchors
Contact: Ray Coglas, Earth Solutions NW, 425-449-4704
14820 72nd Ave W Edmonds, WA 98407

4/1/2018 - Grand Avenue Park Bridge Slope Protection
City of Everett/ GC: Interwest Construction
Approximately 20 Grouted anchors, 5000 SF Geobrugg Wire Mesh,
Izaak Fox / Interwest Construction 360-770-9573
Grand Avenue Park, Everett

1/2018 - Brackett Residence
15 Grouted Micropiles, 40 Kips Proof Test
Contact: Associated Earth Sciences: Dave Bair 425-766-4359
17402 83rd CT NE, Kenmore, WA

11/2017 - Gray Residence - 2nd Slide
44 Grouted Anchors, 25 Pin Piles - 60KIPs Proof Test on Anchors
Contact: Ray Coglas, Earth Solutions NW, 425-449-4704
14820 72nd Ave W Edmonds, WA 98407

6/2017- Lang Residence, 7449 Mercer Way, Mercer Island, WA
15 Grouted Anchors, 10 Pin Piles
Contact: LeeAnne Lang 1-415-203-6391
7449 W Mercer Way, Mercer Island, WA

1/2017 - Rock Anchors, Mayfield Dam, Tacoma Power
13 Rock Anchors, Remote Drilled, 100% Proof Tested
Contact: Donna Ebi / Tacoma Power Construction 253-312-4703
Mayfield Dam / Hydro Lane, Salkum, WA

9/2016 - Hiner Residence, The Highlands
Grouted Ground Anchors - 350LF
Contact: Martin Page / Shannon Wilson Geotechnical Engineers 206-406-7185
55 Spring Drive, Shoreline, WA

8/2016 - Cushman Dam #2 - Remote Anchors and Bolts
340 LF Rock anchors and Bolts - 100% Proof Tested
Contact: Donna Ebi / Tacoma Power Construction 253-312-4703
Cushman Dam#2, Lake Cushman, WA

1/2016 Bryant Street Cell Tower
(4) Difficult access Grouted Micropiles - 60' x 6"dia, 240KIPs each
Contact: Ramiro Covarrubias : 407 - 709 - 1119
6001 NE Bryant Street, Portland, OR

3/2015 Uplake Dental Building:
70 Pin Piles, 46 Grouted Anchors to underpin a commercial building foundation
Contact: Ed Vander Meulen, CPM 253-896-4100
Address: 5701 Bothell Way NE, Kenmore, WA 98028

8/2014 Rowe Residence
25 Pin Piles, 15 Grouted Anchors to hold a new shotcrete wall
Contact: Des Thomas 206-841-0822
4635 Mercer Ave., Mercer Island, WA

2013 Gray Residence
12 Pin Piles, 11 Grouted Anchors to underpin and support an existing wall
Contact: Scott Gray 360-485-7444
14820 72nd Ave W Edmonds, WA 98407

2012 Price Residence,
50 Pin Piles, 20 Grouted Anchors for shotcrete wall to stabilize a landslide
Contact: Robin Price 253-564-0693
3502 Soundview Drive West, University Place, WA

2012 Whidbey Shores HOA
11 Pin Piles, 10 Grouted Anchors for a new shotcrete wall
Ted Hammer(Geotech) 360-380-2507
2300 Eastpoint Drive, Whidbey Island (access road)

2012 Irwin Residence
5 Pin Piles, 6 Grouted Anchors to shore up a failing timber retaining wall
Ted Hammer(Geotech) 360-380-2507
2311 Eldridge Ave. Bellingham, WA 98225

Brown Bear Carwash Upper Lagging Retaining Wall
18 Pinpiles, Lagging for a debris catchment wall
Jim Hansen - (206)-274-2606
14312 Lake City Way NE, Seattle, WA

2012 Brown Bear Carwash - Shotcrete Wall Emergency Stabilization
23 Pinpiles to stabilize wall under construction
Jim Hansen - (206)-274-2606
14312 Lake City Way NE, Seattle, WA

2012 Miniken Apartments
7 Pin Piles, 6 Grouted Anchors for Retaining Wall
Contact: Don Miniken 206-919-6516
11454 SW Military Road, Seattle, WA 98168

2011 Broomgerrie Road HOA
30 Pin Piles, 42 Grouted Anchors for shotcrete retaining wall
Contact: Dale Sperling: 206-295-5772
NE Broomgerrie Road, Bainbridge IS, WA 98110

(PG19-0127F)

STEFFEN CONSTRUCTION INC.

Name of Bidder

LIST OF EQUIPMENT

Following is a list to be filled in by the bidder, showing equipment definitely available for use on the proposed work as required. (Give quantity, description, size or capacity, condition and present location of each item of equipment.)

Steffen Construction Inc. Equipment - located at our yard on South Tacoma Way unless otherwise stated

TEI MME Rock drill
Stihl 420 Concrete saw
2016 PJ Trailer 24KGVW
JCM Core Drill
Komatsu LC-605 Crane
2015 Ford F-550 Service Truck
Ingersoll Rand 185 Compressor
2018 PJ Triple axle Trailer 40KGVW
2012 Cat 308 E CR excavator
Pro-dig and setup
2017 K3500HD GMC Denali
2012 Peterbilt Flatbed 53KGVW truck with 40K Hitch
2017 Trail King Trailer
2017 Cat 305.5 Excavator
24" Auger Drill Motor, attachment bracket with various drills
Pile/Anchor Certified Testing gear
2002 International 5-7 Yard dump
Wells Cargo Job Trailer and Tool Storage

Subcontractor Terra Firma Drilling Relevant Equiment - Located at yard 2347 Tacoma Ave.

Numerous shop-built custom drills as seen at TerraFirmaDrilling.com
3" Atlas Copco DTH Hammer with 3.5" Bit
(2) 3" Bulroc DTH Hammer with 3.5" Bit
Chemgrout CG400 double hopper grout plant, brand new hydraulic drive system
Sullivan Palatek 210 compressor
Airman 400PDS compressor
International 46,000 GVW flatbed truck with 5000 Piggyback forklift

see attached for more

Steffen Construction Inc.
Name of Bidder

State Responsibility and Reciprocal Bid Preference Information

Certificate of registration as a contractor (must be in effect at the time of bid submittal):	Number: STEFFCI909JZ Effective Date: 4-9-2010 Expiration Date: 2-21-2021
Current Washington Unified Business Identifier (UBI) number:	Number: 603-004-480
Do you have industrial insurance (workers' compensation) coverage for your employees working in Washington?:	☒ Yes ☐ No ☐ Not Applicable
Washington Employment Security Department number:	Number: 193,937-01 ☐ Not Applicable
Washington Department of Revenue state excise tax registration number:	Number: 603-004-480 ☐ Not Applicable
Have you been disqualified from bidding on any public works contracts under RCW 39.06.010 or 39.12.065(3)?	☐ Yes ☒ No If yes, provide an explanation of your disqualification on a separate page.
Do you have a physical office located in the State of Washington?	☒ Yes ☐ No
If incorporated, in what state were you incorporated?	State: Washington State ☐ Not Incorporated

Herewith find deposit in the form of a cashier's check in the amount of $_____ which amount is not less than 5-percent of the total bid.

SIGN HERE_____

BOND NUMBER: SCP3617

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, STEFFEN CONSTRUCTION INC, as Principal, and LEXON INSURANCE COMPANY, as Surety, are held and firmly bound unto the City of Tacoma, as Obligee, in the penal sum of FIVE PERCENT (5%) OF THE TOTAL BID AMOUNT dollars, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of this obligation is such that if the Obligee shall make any award to the Principal for

MOSSYROCK DAM ROCKFALL MITIGATION
PG19-0127F

according to the terms of the proposal or bid made by the Principal therefor, and the Principal shall duly make and enter into a contract with the Obligee in accordance with the terms of said proposal or bid and award and shall give bond for faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall, in case of failure to do so, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the amount of this bond.

SIGNED, SEALED AND DATED THIS 4TH DAY OF APRIL, 20 19

PRINCIPAL:

STEFFEN CONSTRUCTION INC

President

SURETY:

LEXON INSURANCE COMPANY

LEXON INSURANCE COMPANY CORPORATE SEAL TEXAS

JOHN F. CRISS, ATTORNEY-IN-FACT

_____, 20____

Received return of deposit in the sum of $ _____

_____

POWER OF ATTORNEY

LX- SCP3617

Lexon Insurance Company

KNOW ALL MEN BY THESE PRESENTS, that **LEXON INSURANCE COMPANY**, a Texas Corporation, with its principal office in Louisville, Kentucky, does hereby constitute and appoint: JOHN F. CRISS its true and lawful Attorney(s)-In-Fact to make, execute, seal and deliver for, and on its behalf as surety, and as its act and deed a BID BOND under bond or undertaking number SCP3617 issued on behalf of STEFFEN CONSTRUCTION INC as principal in the penal sum not to exceed $ 250,000.00.

This authority is made under and by the authority of a resolution which was passed by the Board of Directors of **LEXON INSURANCE COMPANY** on the 1st day of July, 2003 as follows:

Resolved, that the President of the Company is hereby authorized to appoint and empower any representative of the Company or other person or persons as Attorney-In-Fact to execute on behalf of the Company any bonds, undertakings, policies, contracts of indemnity or other writings obligatory in nature of a bond not to exceed $ 250,000.00 dollars, which the Company might execute through its duly elected officers, and affix the seal of the Company thereto. Any said execution of such documents by an Attorney-In-Fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company. Any Attorney-In-Fact, so appointed, may be removed for good cause and the authority so granted may be revoked as specified in the Power of Attorney.

Resolved, that the signature of the President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Assistant Secretary, and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power or certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certificate so executed and sealed shall, with respect to any bond of undertaking to which it is attached, continue to be valid and binding on the Company.

IN WITNESS THEREOF, **LEXON INSURANCE COMPANY** has caused this instrument to be signed by its President, and its Corporate Seal to be affixed this 5th day of August, 2015.

LEXON INSURANCE COMPANY

BY _____
David E. Campbell
President

ACKNOWLEDGEMENT

On this 5th day of August, 2015, before me, personally came David E. Campbell to me known, who be duly sworn, did depose and say that he is the President of **LEXON INSURANCE COMPANY**, the corporation described in and which executed the above instrument; that he executed said instrument on behalf of the corporation by authority of his office under the By-laws of said corporation.

AMY TAYLOR
Notary Public- State of Tennessee
Davidson County
My Commission Expires 07-08-19

BY _____
Amy Taylor
Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of **LEXON INSURANCE COMPANY**, A Texas Insurance Company, DO HEREBY CERTIFY that the original Power of Attorney of which the forgoing is a true and correct copy, is in full force and effect and has not been revoked and the resolutions as set forth are now in force.

Signed and Seal at Mount Juliet, Tennessee this 4TH Day of APRIL, 2019.

BY _____
Andrew Smith
Assistant Secretary

"WARNING: Any person who knowingly and with intent to defraud any insurance company or other person, files and application for insurance of claim containing any materially false information, or conceals for the purpose of misleading, information concerning any fact material thereto, commits a fraudulent insurance act, which is a crime and subjects such person to criminal and civil penalties."

List of Subcontractor Categories of Work

Pursuant to RCW 39.30.060(1), the City of Tacoma hereby requires bidders to identify the subcontractors required by statute as part of their bid. Bids that are not accompanied by a listing of those subcontractors at the time the bid is submitted will be deemed non-responsive and void.

To be Submitted with the Bid Proposal

Project Name PG19-0127F Mossyrock Dam Rockfall Mitigation

Failure to list subcontractors who are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW will result in your bid being non-responsive and therefore void.

Subcontractor(s) that are proposed to perform the work of heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name.

If no subcontractor is listed below, the bidder acknowledges that it does not intend to use any subcontractor to perform those items of work.

Subcontractor Name Terra Firma Drilling
Work to be Performed Install Spider Mesh System and Rock Bolts
Remove existing RCN System and Cleanup

Subcontractor Name Sound Bulkhead
Work to be Performed Assist with Mobilization, access road construction

Subcontractor Name
Work to be Performed

Subcontractor Name
Work to be Performed

Subcontractor Name
Work to be Performed

City of Tacoma
Community & Economic Development
Office of Small Business Enterprise
747 Market Street, Rm 900
Tacoma WA 98402
253-591-5224 or 253-573-2435

SBE UTILIZATION FORM

This form is to document only the SBE subcontractors or material suppliers that will be awarded a contract. This information will be used in calculating the **EVALUATED BID**. Additional forms may be used if needed.

- Prime contractors are encouraged to solicit bids from SBE approved firms.
- Be sure to include this form with your bid submittal in order to receive SBE credit.
- It is the prime contractor's responsibility to check the certification status of SBE subcontractors prior to the submittal deadline.

Bidder's Name: STEFFEN CONSTRUCTION INC.

Address: 1504 S MT VIEW AVE City/State/Zip: TACOMA, WA 98465

Spec. No. PG19-0127F Base Bid * $ 529,022.40 Are You a SBE Mentor? ** ☐ Yes ☒ No Are you using any SBE firms? ☐ Yes ☒ No

Complete company names and phone numbers are required to verify your SBE usage.

a. Company Name and Telephone Number	b. Scope of Work, Services or Supplies/Materials Provided	c. Bid Amount	d. Subcontractor (100%)	e. Material Supplier (20%)	f. Actual SBE Usage Dollar Amount
	Enter Total of Actual SBE Usage Dollar Amount $ ***				

Block g. Actual SBE Usage as a percent of the Base Bid: % **Block h.** Total SBE Usage: %

By signing and submitting this form the bidder certifies that the SBE firms listed will be used on this project including all applicable change orders.

MICHAEL W STEFFEN
Type or Print Name of Responsible Officer / Title

Signature of Responsible Officer

4/8/2019
Date

City of Tacoma
Community & Economic Development
Office of Small Business Enterprise
747 Market Street, Room 808
Tacoma, WA 98402
253-594-7933 or 253-591-5224

PRIME CONTRACTOR'S PRE-WORK FORM

STEFFEN CONSTRUCTION INC. — Company Name
253-255-4032 — Telephone
1504 S. MT. VIEW AVE TACOMA, WA 98465 / 3015 S. TACOMA WAY (YARD) — Address/City/State/Zip Code
PG19-027F — Specification Number
MOSSYROCK DAM ROCKFALL MITIGATION — Specification Title

JOB CATEGORIES SPECIFY	TOTAL EMPLOYEES		TOTAL MINORITY EMPLOYEES		BLACK		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE		HISPANIC	
	M	F	M	F	M	F	M	F	M	F	M	F
Officer / Managers	1											
Supervisors	1											
Project Managers	1											
Office / Clerical		1								1		
TRUCK DRIVER	2											
Apprentices												
Trainees												
TOTALS	5	1								1		

CONTRACTOR'S PROJECTED WORK FORCE - THIS PROJECT

Superintendent	1											
Foreman	2											
Operators	2											
Laborers	2											
Truck Drivers	2											
Apprentice												
Trainee												
TOTALS	9											

MICHAEL W STEFFEN
Type or Print Name of Responsible Officer / Title

Signature of Responsible Officer

4/8/2019
Date

City of Tacoma
Community & Economic Development
Office of Small Business Enterprise
747 Market Street, Room 808
Tacoma, WA 98402
253-594-7933 or 253-591-5224

SUBCONTRACTOR'S PRE-WORK FORM

NILSEN DEVELOPMENT INC. dba TERRA FIRMA DRILLING — **Company Name**
253-691-3060 — **Telephone**

2661 N PEARL ST #151 TACOMA, WA 98407 — **Address/City/State/Zip Code**

STEFFEN CONSTRUCTION — **Name of Prime Contractor**
PG19-027F — **Specification Number**

INSTALL ROCKBOLTS AND REPAIR/REPLACE MESH TO MITIGATE ROCKFALL RISK TO MOSSYROCK DAM — **Type of work to be performed on this project**

QUESTIONS 1 and 2 BELOW REFER TO ANY FURTHER SUBCONTRACTING OF YOUR FIRM'S PORTION OF THIS PROJECT

1. What is the total number of **ALL** subcontracts to be let on this project? 2

2. What specific efforts were made by your company to obtain or assure minority and women subcontractor participation on this project?
NONE

SUBCONTRACTOR'S PRESENT WORK FORCE

JOB CATEGORIES SPECIFY	TOTAL EMPLOYEES		TOTAL MINORITY EMPLOYEES		BLACK		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE		HISPANIC	
	M	F	M	F	M	F	M	F	M	F	M	F
Officers/Managers	1											
Foreman												
LABORER	5											
CLERICAL		1								1		
Apprentices												
Trainees												
TOTALS	6	1								1		

SUBCONTRACTOR'S PROJECTED WORK FORCE - THIS PROJECT

Superintendent												
Foreman												
Operators												
Laborers	5											
Apprentice												
Trainee												
TOTALS	5											

BARRY E NILSEN , PRESIDENT — **Type or Print Name of Responsible Officer / Title**
Barry E Nilsen — **Signature of Responsible Officer**
4/8/2019 — **Date**

CCD/SBE/FORMS revised May 2017

City of Tacoma
Community & Economic Development
Office of Small Business Enterprise
747 Market Street, Room 808
Tacoma, WA 98402
253-594-7933 or 253-591-5224

SUBCONTRACTOR'S PRE-WORK FORM

SOUND BULKHEAD — **Company Name**

253-572-3009 — **Telephone**

2244 Marine view Dr. Tacoma, WA 98422 — **Address/City/State/Zip Code**

STEFFEN CONSTRUCTION — **Name of Prime Contractor**

PG19-027F — **Specification Number**

EQUIPMENT ACCESS ASSISTANCE — **Type of work to be performed on this project**

QUESTIONS 1 and 2 BELOW REFER TO ANY FURTHER SUBCONTRACTING OF YOUR FIRM'S PORTION OF THIS PROJECT

1. What is the total number of **ALL** subcontracts to be let on this project? 2

2. What specific efforts were made by your company to obtain or assure minority and women subcontractor participation on this project?

SUBCONTRACTOR'S PRESENT WORK FORCE

JOB CATEGORIES SPECIFY	TOTAL EMPLOYEES		TOTAL MINORITY EMPLOYEES		BLACK		ASIAN or PACIFIC ISLANDER		AMERICAN INDIAN or ALASKAN NATIVE		HISPANIC	
	M	F	M	F	M	F	M	F	M	F	M	F
Officers/Managers	1	2										
Foreman												
LABORERS	3											
TRUCK DRIVER	1											
Apprentices												
Trainees												
TOTALS	5	2										

SUBCONTRACTOR'S PROJECTED WORK FORCE - THIS PROJECT

Superintendent												
Foreman												
Operators	1											
Laborers												
Apprentice												
Trainee												
TOTALS	1											

Chris Kachmann — **Type or Print Name of Responsible Officer / Title**

Chris Kachmann — **Signature of Responsible Officer**

4/8/2009 — **Date**

CCD/SBE/FORMS revised May 2017

Item L (1)

311300-1.2 Selective Tree and Shrub Removal Experience

1.2 A:) We will stage our compressor(s), grout supplies and equipment, job shack and/or RV and/or shipping container at the pull out, west of the dam. We will remove a section of fencing there and put temporary fencing around our staging area. We will then clear enough vegetation for the 80 size crawler crane to access the top of the rock from which we will drill the anchors by suspending a shop-built rock drill mast from the crane, with the nose fixed to the rock face with either a bolted fixture, or otherwise grab device to grab the current mesh to keep the nose stable. We will single stroke most of the 12' holes with a DTH Hammer, and either bring in a longer mast for the long rock bolts, or tend the drill with 5' incremental drill pipe from the face of the cliff using SPRAT access guidelines and a very light weight portable fiberglass platform attached to the cable net. Alternatively, since we will do the spider pins first, we might install those pins extra long, and then rig scaffold planks off the pins for a place to stand and drill tend.

If necessary, we will use the crane to lower the sections of Spidermesh, and then using SPRAT guidelines, rappel the face of the rock with our hydraulic impact hammer to install the bolts. We will use the same techniques for anchor testing.

At the end of the job, we will crawl the crane up and to the top of the dam and pull off the supersacks individually, set them onto palletrs our 46 GVW truck, and use our piggyback forklift somewhere nearby to quickly unload same truck until everything is off the slope. We will then dispose of the materials in a legal manner per the specs.

We expect duration to be 6 weeks start to finish.

1.2 B.) Tree Removal Work. **Donna Ebi with TPU can be cited as a reference for our vegetation clearing at both Cushman and Mayfield dams.**

See item E for experience for STEFFEN CONSTRUCTION and TERRA FIRMA DRILLING.

You can also look at our Public Works Dashboard to see both of our past work history on various Washington State municipality infrastructure.

All of Steffen Construction and Terra Firma Drilling jobs require some sort of selective vegetation removal. Between Steffen and TFD, we own about 8 chainsaws, plus all the Stihl attachments for the Kombi System. The vegetation we will clear is to make an access road to the rock outcropping from HWY 12 for the 80 size crawler crane. See attached picture.

1.2 C.) Michael Steffen (Steffen Construction) has 25 years of civil and geotechnical construction experience, virtually all on steep slopes with tree removal and clearing. Barry Nilsen and John Fulkerson (both with Terra Firma Drilling) have more than 5 years doing such selective clearing and scaling. Most of our work is on expensive, difficult access locations which usually involve some sort of clearing. We can provide payroll history and/or pictures and references as noted in the attached job history.

Item L (2)

313313-1.2 Rock Bolting Experience

1.2 A:) See 311300-1.2 discussion (previous page).

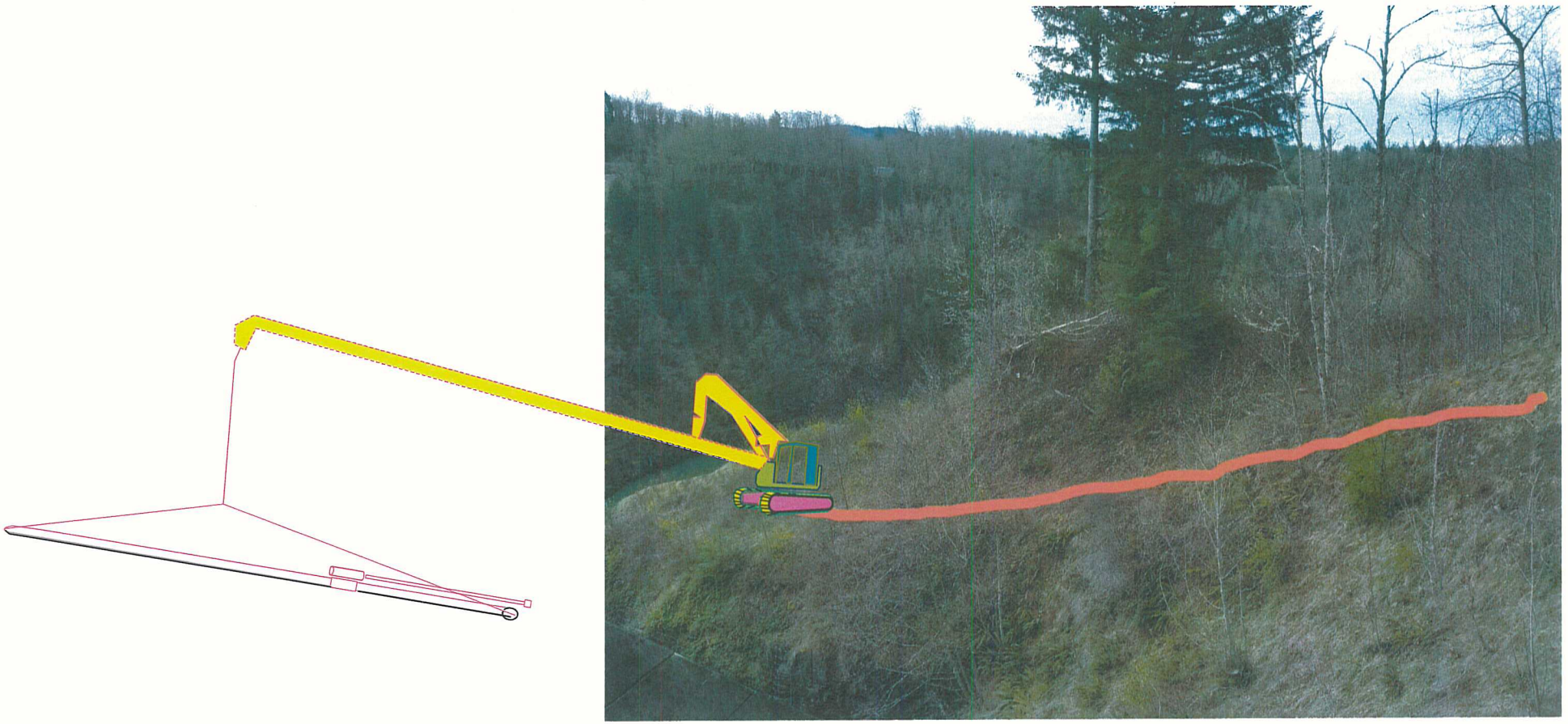
The reason we included this section A in this bid proposal was to be up front about our methodology of building a road down to the top of the rock outcropping. This will probably take a little more than the 20 manhours allotted in the bid

1.2 B:) Rock Bolting Work. Donna Ebi with TPU can be cited as a reference for our rock bolting work at both Cushman and Mayfield dams.

1.2 C.) Barry Nilsen with Terra Firma Drilling will be the person in charge of rock bolting. Mr Nilsen was in charge of installing rock bolts at Mayfield and Cushman dams and can be verified with Donna Ebi. John Fulkerson will be the lead driller and has thousands of linear feet of bolts/dowels/anchors as shown in our work history. (See Terra Firma Drilling work history included elsewhere in this bid.)

PG19-0127F - Steffan Construction / Terra Firma Drilling Shop Drawing for Section 01300

We will remove a couple of sections of fence along high way 12, and put up temporaryfence panels surrounding a small stagi ng area with a motorhome/job shack, grout staging area, and tools. We will grade a path sufficient enough to get a smaller 80 size crawler crane to get down to the flat spot on top of the rock. The mast on the crane reaches over 40 feet, and is enough to suspend our various drill masts loaded with drilling assembly to eliminate any drill string changing for the spider pins, and minimize the drill string tending on the longer rock bolts.



We will selectively remove saplings and small trees as necessary, and then import enough crushed rock to fill low spots. additionally, we might stage a heavy piece of equipment on top with a winch to help safely guide the crane down slope, and also put safety tether from the machine to an anchor we willl install on the west end of the rock outcropping. We feel this is the safest overall approach for both personnel and infrastructure, **however it will take more than 20 man hours for the clearing access**.

Item L (3)

Item L (4)

PG19-0127F Mossyrock Dam Rockfall Mitigation

Superintendent Resume

1504 Mountain View Ave. S. Tacoma, WA
Phone: 253-255-4032 matrixdrilling@gmail.com
Excellent health.

Michael Steffen
STEFFEN CONSTRUCTION INC.
STEFFC1909JZ

Geotechnical Construction/Development/Estimating/Construction/ Project-Management Experience:

3/2010 – Present: Principal/Owner, Steffen Construction. Numerous earth, rock, and structure stabilization projects in the greater Puget Sound region Washington, and Alaska.

6/2006-3/2010 Principal/Owner, Matrix Drilling. Geotechnical drilling, rock drilling, rock coring, sampling, monitoring wells, piezometer installation. Site Prep for drill rig access including but not limited to clearing, logging, temporary road building, erosion control, revegetation.

1980-6/2006: Principal/Owner, Steffen Construction, Residential Contractor including site work and development, clearing, utilities, logging, erosion control, vertical building construction. Concrete, grouting, supervision of all subcontractors. Permitting, engineering, submittals for municipalities. Supervised foremen, superintendents and labor force.

Management/Professional Background:
38 years increasing management responsibility in site development and building construction. Heavy Equipment Operator with 14,000 hours. Numerous LnI safety training classes, Class A CDL, Crane Operation Certification, First Aid, Certificate for Operation and Maintenance of Onsite Sewage Systems. Underground Utility Courses with LnI. Lead/Manage crews for 38 years.

Private Pilot, Single Engine Sea Plane.

Education:

1980 – 82 - Gonzaga University
June 1980 – Bellarmine Prep High School.

References: GeoResources – Keith Schembs 253-896-1011
Krazan – Vijay Chetteroy 360-219-5638
Development Engineering - Glen Coad 253-548-5037
Quigg Bros Construction – Matt Zepeta 360-310-6208
Marine Floats Inc. – Logan Brown 253-677-3949
Mike Hansch – 253-307-4600
Versatile Drilling – John Marth 206-763-9776

Item L (5)

PG19-0127F Mossyrock Dam Rockfall Mitigation

Subcontractor Resume

Barry Nilsen

6505 N. 49th St. Tacoma, WA 98407
Phone: (253) 691-3060 nilsen.barry@gmail.com
Excellent health.

Landslide/Rockslide/Geotechnical/Development/Estimating/Construction/Project-Management Experience:

1/2017 – Mayfield Dam Rockfall Mitigation PG19-0046F– Installed Rockbolts to mitigate risk to Mayfield Dam Powerhouse – TPU contact Donna Ebi: 253-312-4703

8/2016 – Cushman Dam Rockfall Mitigation – Installed Rockbolts and Geobrugg Tecco Mesh to mitigate risk to Cushman Dam Powerhouse – TPU contact Donna Ebi: 253-312-4703

6/2010 – Present: Principal/Owner, Terra Firma Drilling: (a dba of Nilsen Development Inc.) : Numerous earth, rock, and structure stabilization projects between Oregon, Washington, and Alaska. See pictures at TerraFirmaDrilling.com.

4/2004 – Present: Principal/Owner, Nilsen Development Inc. Oversee all land acquisition, entitlement, environmental remediation, financing, estimating, site-work, and vertical construction for premium urban zero-lot-line townhomes.

April 1998 – December, 2000: Pulp Mill Manager, Abitibi-Consolidated, Steilacoom, WA. Managed 22 Hourly employees, 4 shift supervisors, 1 engineer, and all operational activities of a 500 Ton Per Day Thermo-Mechanical Pulping Operation. Mill was closed for economic reasons in December 2000.

Management/Professional Background:

10 years increasing management responsibility in the Pulp and Paper industry.
Numerous management training classes, and team projects including: Decision Quality, Decision under Uncertainty, Total Quality, Design of Experiments, Project Management, Behavior-based safety management, and numerous supervisory training courses and technical courses.
Member of Re-Engineering / Optimization project at St. Helens. -Wrote incentive plan for Boise Cascade.

Education:

March 2004 – **M.S., Computing and Software Systems, University of Washington, Tacoma**. GPA: 3.76/4.0. Emphasis: Distributed Computing, Networking, and Embedded Systems.

June 2002 – **B.S. Computing and Software Systems, University of Washington**, Tacoma, GPA: 3.84/4.0. (Faculty Honors) Emphasis: Web Applications, architecture, operating systems, software engineering.

United States Air Force Officer Training School,
Commissioned as Second Lieutenant, November, 1991.
Undergraduate Pilot Training 1991-1992. Honorable Discharge.

March 1990 – **B.S. Mechanical Engineering, Oregon State University**, Corvallis, OR.

Activities: **Mountain and Rock Climbing, skiing, Family, Fishing, Camping, Reading.**

References: Available Upon Request

Item L (6)

Slope & Structure Stabilization in Perplexing Locations

TERRAFD892RZ 2661 N Pearl Street #151 - Tacoma, WA 98407 / 253-691-3060

Recent Pile and Anchor Experience 3/18/2019

3/2018
Lynch Residence Slope Repair
Sunrise Beach, Gig Harbor
100 qty grouted anchors, 8000 SF Mesh, 6'x80' Soldier Pile Wall

11/2018 Jefferson House MSE Wall Repair
12 Grouted anchors and Geobrugg Mesh
12215 NE 128th St Kirkland, WA
Terracon: Fernando Madrona 240-472-5506

10/2018
Kehoe Residence Slide Repair
3122 Leeward Ct, Olympia
42 grouted anchors, Geobrugg Wire Mesh
Bill Halbert, InsightGeologic, (360) 754-2128

8/2018
Leber Residence Anchored Soldier Pile Wall
1522 East Howe St. Seattle, WA 98112
Installed and locked off 11 Grouted anchors
Chad Wheeler, RW Anderson Homes, (206) 571-9280

6/2018
OSI Rockfall Mesh Repair - Dutch Harbor, AK
Added 35 Rockbolts to stabilize Rockfall Mitigation Netting and Tank Liner
Contact: Chad Parsons, Aleutian Fuel Services / OSI 907-581-1827
OSI facility, Captains Bay Rd, Unalaska, AK

5/2018
Derleth Residence Slope Repair - Edmonds
10 grouted anchors
Contact: Ray Coglas, Earth Solutions NW, 425-449-4704
14820 72nd Ave W Edmonds, WA 98407

Item L(7)

4/1/2018 - Grand Avenue Park Bridge Slope Protection
City of Everett/ GC: Interwest Construction
Approximately 20 Grouted anchors, 5000 SF Geobrugg Wire Mesh,
Izaak Fox / Interwest Construction 360-770-9573
Grand Avenue Park, Everett

1/2018 - Brackett Residence
15 Grouted Micropiles, 40 Kips Proof Test
Contact: Associated Earth Sciences: Dave Bair 425-766-4359
17402 83rd CT NE, Kenmore, WA

11/2017 - Gray Residence - 2nd Slide
44 Grouted Anchors, 25 Pin Piles - 60KIPs Proof Test on Anchors
Contact: Ray Coglas, Earth Solutions NW, 425-449-4704
14820 72nd Ave W Edmonds, WA 98407

6/2017- Lang Residence, 7449 Mercer Way, Mercer Island, WA
15 Grouted Anchors, 10 Pin Piles
Contact: LeeAnne Lang 1-415-203-6391
7449 W Mercer Way, Mercer Island, WA

1/2017 - Rock Anchors, Mayfield Dam, Tacoma Power
13 Rock Anchors, Remote Drilled, 100% Proof Tested
Contact: Donna Ebi / Tacoma Power Construction 253-312-4703
Mayfield Dam / Hydro Lane, Salkum, WA

9/2016 - Hiner Residence, The Highlands
Grouted Ground Anchors - 350LF
Contact: Martin Page / Shannon Wilson Geotechnical Engineers 206-406-7185
55 Spring Drive, Shoreline, WA

8/2016 - Cushman Dam #2 - Remote Anchors and Bolts
340 LF Rock anchors and Bolts - 100% Proof Tested
Contact: Donna Ebi / Tacoma Power Construction 253-312-4703
Cushman Dam#2, Lake Cushman, WA

1/2016 Bryant Street Cell Tower
(4) Difficult access Grouted Micropiles - 60' x 6"dia, 240KIPs each
Contact: Ramiro Covarrubias : 407 - 709 - 1119
6001 NE Bryant Street, Portland, OR

3/2015 Uplake Dental Building:
70 Pin Piles, 46 Grouted Anchors to underpin a commercial building foundation
Contact: Ed Vander Meulen, CPM 253-896-4100
Address: 5701 Bothell Way NE, Kenmore, WA 98028

8/2014 Rowe Residence
25 Pin Piles, 15 Grouted Anchors to hold a new shotcrete wall
Contact: Des Thomas 206-841-0822
4635 Mercer Ave., Mercer Island, WA

Item 4(8)

2013 Gray Residence
12 Pin Piles, 11 Grouted Anchors to underpin and support an existing wall
Contact: Scott Gray 360-485-7444
14820 72nd Ave W Edmonds, WA 98407

2012 Price Residence,
50 Pin Piles, 20 Grouted Anchors for shotcrete wall to stabilize a landslide
Contact: Robin Price 253-564-0693
3502 Soundview Drive West, University Place, WA

2012 Whidbey Shores HOA
11 Pin Piles, 10 Grouted Anchors for a new shotcrete wall
Ted Hammer(Geotech) 360-380-2507
2300 Eastpoint Drive, Whidbey Island (access road)

2012 Irwin Residence
5 Pin Piles, 6 Grouted Anchors to shore up a failing timber retaining wall
Ted Hammer(Geotech) 360-380-2507
2311 Eldridge Ave. Bellingham, WA 98225

Brown Bear Carwash Upper Lagging Retaining Wall
18 Pinpiles, Lagging for a debris catchment wall
Jim Hansen - (206)-274-2606
14312 Lake City Way NE, Seattle, WA

2012 Brown Bear Carwash - Shotcrete Wall Emergency Stabilization
23 Pinpiles to stabilize wall under construction
Jim Hansen - (206)-274-2606
14312 Lake City Way NE, Seattle, WA

2012 Miniken Apartments
7 Pin Piles, 6 Grouted Anchors for Retaining Wall
Contact: Don Miniken 206-919-6516
11454 SW Military Road, Seattle, WA 98168

2011 Broomgerrie Road HOA
30 Pin Piles, 42 Grouted Anchors for shotcrete retaining wall
Contact: Dale Sperling: 206-295-5772
NE Broomgerrie Road, Bainbridge IS, WA 98110