INVITATION TO BIDS

Block 6 Public Access Drive
Solicitation No. 5182

ADDENDUM NO. 01
Issue Date May 10, 2019

This Addendum containing the following revisions, additions, deletions and/or clarifications, is hereby made a part of this solicitation and Contract Documents for the above-named project. Bidders/Proposers shall take this Addendum into consideration when preparing and submitting their response to this solicitation.

All addenda shall be acknowledged on the Bid Form 00300.

Item 1. Add an additional site walk for Friday, May 17th, 2019 at 11:00am.

This Addendum adds an additional site visit for Friday, May 17th at 11:00 am. The meeting will be held at 819 S Washington St at the parking lot east of Hoa Mai Gardens. All prospective bidders are strongly encouraged to attend. Non-attendance on the part of the Bidder shall not relieve the bidder of any responsibility for adherence to any of the provisions of the bid documents or any Addenda.

Item 2. Replace Section 00010 Table of Contents (attached)

Item 3. Add Section 00006 Engineer Seals page to Division 0 (attached)

Item 4. Add "01 57 13 - Temporary Erosion Sediment Control" to Technical Specifications (attached)

END OF ADDENDUM NO. 01

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DIVISION 01 - GENERAL REQUIREMENTS

End of Volume 1

VOLUME 2 BID SUBMITTAL PACKET: Forms, Documents and declarations required for a Responsive Bid.

END OF SECTION 00010

ENGINEERS SEALS

CIVIL ENGINEER:

KPFF Consulting Engineers
1601 Fifth Avenue, Suite 1600
Seattle, WA, 98101
Phone: (206) 622-5822

Specification Sections:
02 41 00
31 00 00
31 11 00
32 16 13
32 17 23
33 11 00
33 30 00
33 40 00
33 46 16

ENGINEERS SEALS

STRUCTURAL ENGINEER:

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1601 Fifth Avenue, Suite 1600
Seattle, WA, 98101
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Specification Sections:
03 30 00
31 63 27

10 May 19

SECTION 01 57 13
TEMPORARY EROSION AND SEDIMENT CONTROL

PART 1 - GENERAL

1.01 SUMMARY

A. Work includes, but is not limited to:
   1. Construction Stormwater and Erosion Control Plan (CSECP) measures, which are shown on the Contract Documents, proposed by the Contractor in the Contractor's CSECP and/or reviewed by public Authorities Having Jurisdiction (AHJ) and ordered by AHJ during the life of the Contract. This Work is intended to prevent, control and provide abatement for water pollution and erosion resulting from the Project site construction and to minimize damage to the Work, adjacent property, and to other bodies of water in accordance with AHJ and other applicable standards.
   2. Preparation of and submission to AHJ for their review the Contractor's Construction Stormwater And Erosion Control Plan. The CSECP shall include overall Construction Stormwater and Erosion Control (CSEC) management and coordination of construction access and specific CSEC installation and maintenance.
   3. Submittal of wet weather permit, dewatering permits and other permits related to Contractor operations shall also be included.
   4. Protection of public and private drainage systems.
   5. Protection of existing natural and constructed drainage systems at all times.
   6. Testing, monitoring and reporting of discharge per AHJ permit requirements, at designated points or otherwise approved by AHJ.
   7. Protection of trees to be preserved.

B. It shall be the Contractor's responsibility to modify the CSEC shown on the plan(s) as necessary to meet the Contractor's anticipated construction sequencing and means and methods for the Work. Modifications to CSEC on the plans and specifications need to be adequately described in the Contractor's CSECP and submitted to AHJ for review.

C. Project area is located within a combined sewer system basin. Where the term storm drain is used, it shall be understood that combined sewer is implied.

1.02 RELATED SECTIONS

A. Coordinate with related Work specified in other parts of the Project Manual.

B. Coordinate with the General Conditions and Supplemental Conditions in the Contract.

1.03 REFERENCES

A. Reference the following standards:

AHJ	Public Authority Having Jurisdiction AHJ is an abbreviation for public Authorities Having Jurisdiction. For this project the AHJ includes permitting agencies including but not limited to Seattle Department of Construction and Inspection (SDCI), Seattle Public Utilities (SPU), Seattle Department of Transportation (SDOT) and King County Wastewater Treatment Division (KCWTD).
COS	City of Seattle 2017 Standard Specifications for Road, Bridge and Municipal Construction and City of Seattle 2017 Standard Plans. Seattle Department of Transportation Director's Rule 01-2017 for

	Right-of-Way Opening and Restoration Rules (current edition) (The Contractor shall have a complete set of these documents at the Project site at all times).
COS SWM	City of Seattle Stormwater Manual (COS SWM), SDCI Director's Rule 17-2017.
WSDOT	Washington Department of Transportation 2018 Standard Specifications and Standard Plans for Road, Bridge, and Municipal Construction
WAC 173-201A	Washington Administrative Code Chapter 173-201A, Water Quality Standards for Surface Waters of the State of Washington
Ecology	State of Washington Department of Ecology Stormwater Management Manual for Western Washington, Amended 2014 (www.ecy.wa.gov/programs/wq/stormwater/manual.htm)

1.04 SUBMITTALS

A. Submit the following documents in accordance with Division 01 of the Specifications.
   1. Prepare, provide and submit to AHJ a Construction Stormwater and Erosion Control Plan signed by the Contractor describing CSEC controls, locations, phasing, implementation schedule, contingency measures, inspection procedures, maintenance, monitoring, record keeping forms, and similar information, sequencing approach to CSEC removal and similar information to fully describe the CSEC Plan. The Contractor shall revise and resubmit CSEC Plan to address comments from AHJ. The CSEC Plan shall be in accordance with COS Section 8-01.3 and include, but is not limited to, the following:
      a. Construction Stormwater and Erosion Control Plan (CSECP) in accordance with COS Section 8-01.3(2)A. Plan shall include but not be limited to:
         1) Stabilized construction entrance(s) and exit(s).
         2) Wheel wash(es) at construction exits.
         3) Erosion and sediment control to prevent sediment discharges to stormwater.
         4) Storm drainage system protection.
         5) Slope stabilization.
         6) Protection of exposed soil and stockpiles.
         7) Protection of subgrades and finish grades.
         8) Temporary dewatering plan required for Contractor's permit requirements.
         9) Maps and Plans showing CSEC measures consistent with Contractor's Work sequencing, dates and phases of construction.
         10) A letter designating the Construction Site Erosion and Sediment Control Lead (CESCL) and Certification for CESCL.
         11) Provide CESCL, CESCL back-up and emergency contact names and phone numbers.
         12) Dust control.
         13) Water Quality Sampling and Monitoring Plan identifying points of compliance.
         14) Provide a Construction Sequencing Plan for exposed erodible earth and demonstrate that the Temporary Erosion and Sediment Control measures installed will manage runoff and sediment generated from exposed erodible earth.
         15) Provide contingency measures to be followed in the event that treated stormwater does not comply with the conditions of the permit.
      b. Spill Plan (SP) in accordance with COS Section 8-01.3(2)C.

c. Tree Vegetation and Soil Protection Plan (TVSPP) in accordance with COS Section 8-01.3(2)B.
d. Temporary Discharge Plan (TDP) in accordance with COS Section 8-01.3(2)D.

2. Provide product data on CSEC materials to be utilized.
3. At end of each working day, complete reports for water quality monitoring and CSEC inspection.
   a. Reports shall be kept on site together (in sequential order in a binder(s)).
   b. Where CSEC daily reports are kept on-site, include copies related AHJ permits and Contractor's current CSECP, with reports. Reports and permits shall be made available to Owner, Owner's Representative and AHJ Inspectors at all times.

B. Permits
1. Contractor to prepare application, submit and obtain approval from King County Wastewater Treatment Division (KCWTD) an Industrial Waste Discharge Permit (IWDP).
2. Obtain the permits, pay fees and schedule inspections by AHJ as needed for work in this Section.
3. Submit copy of approved permits obtained.

C. Certified Erosion and Sediment Control Lead (CESCL)
1. The Certified Erosion and Sediment Control Lead (CESCL) shall be responsible for implementing and maintaining effective CSEC to prevent violations of the AHJ permits.
   a. The designated CESCL shall have current certification and a minimum of two years in the State of Washington Department of Ecology's Training and Certification program for CESCL (http://www.ecy.wa.gov/programs/wq/stormwater/cescl.html). Submit copy of certification verifying current certification.
   b. The designated CESCL shall be identified by the designee's certification in the CSEC Plan submittal.
   c. The designated CESCL shall be experienced with a minimum of three projects of similar nature listed on the resume identifying project name and location, year constructed, owner, contact name and phone number.

2. The CESCL Back-up shall be responsible for implementing and maintaining effective CSEC to prevent violations of the AHJ Permits. The backup shall:
   a. Have current certification and a minimum of two years through State of Washington Department of Ecology's Training and Certification program for CESCL (http://www.ecy.wa.gov/programs/wq/stormwater/cescl.html).Submit copy of certification verifying current certification.
   b. Be identified by the designee's certification in the CSEC Plan submittal.
   c. Be experienced with a minimum of one project of similar nature listed on the resume identifying project name and location, owner, contact name and phone number.

D. WATER QUALITY SAMPLING AND MONITORING PLAN
1. Project area drains to a combined sewer system.
2. Submit Monitoring Plan for turbidity and pH sampling of stormwater in public storm drain system upstream and downstream from the Project site or other approved point in order to ensure requirements of WAC, AHJ, and KCWTD Industrial Waste Discharge permit are met.
3. Dewatering and construction stormwater discharge requirements to the public combined sewer shall be in conformance with the Seattle Department of Construction and Inspections Director's Rule 17-2017 and the requirements of the KCWTD Industrial Waste Discharge Permit. Dewatering is considered incidental to the contract and Contractor shall submit documentation and obtain the permit at no additional expense to Owner.
4. Submit turbidity and pH sampling reports to Owner's Representative throughout duration of Project on a weekly basis and within 24 hours following a significant rain event (Rainfall depth/precipitation $\geq$ 0.5 inches in a 24-hour period). Sampling, including frequency of

tests, test reports and location of sampling shall be in accordance with WAC, KCWTD Industrial Waste Discharge permit, and other applicable AHJ permit requirements. Contractor shall assume all costs associated with sampling, testing and reporting.

5. Samples for turbidity and pH testing shall be taken when construction stormwater from the site is discharging into the public combined sewer system. Location for taking the sampling shall be approved by the AHJ Inspectors, SHA special inspectors, and/or permitting agencies including but not limited to King County Wastewater Treatment Division in association with the Industrial Waste Discharge Permit.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Washed Gravel shall be Mineral Aggregate Type 4 per COS Section 9-03.10(6).

B. Inlet/Catch Basin Protection shall be in accordance with COS Section 8-01.3(12)B for Below Inlet Grate such as Ultra DrainGuard®, Stream Guard® Sediment Catch Basin inserts, or an approved equivalent product. Insert shall be appropriately sized for the structure in which it is installed.

C. Straw bales shall be sun-dried and bundled with 12-gauge galvanized wire.

D. Filter Fence: Conform to detail as noted on Plans. Geotextile shall conform to COS Section 9-37 for temporary silt fence.

E. Hydroseeding Materials:
   1. Mulch: Conform to COS Section 9-14.4(2).
   2. Seed Mix: Conform to COS Section 9-14.2(2).
   3. Fertilizer: Conform to COS Section 9-14.3.
   4. Tackifier: Conform to COS Section 9-14.4(7).

F. Plastic Covering: Conform to COS Section 9-14.5(4).

G. Wattles: Conform to Ecology's Best Management Practices (BMP) C235 and COS Section 9-14.16.

H. Quarry Spalls: Conform to details on the Drawings. No asphalt or concrete is allowed in spalls.

I. Straw mulch: Must be free of vegetation and seed that could establish upon placement of the mulch and conform to COS Section 9-14.4 (1).

J. Mulches: Conform to COS Section 9.14.4and must be free of vegetation and seed that could establish upon placement of the mulch.
   1. Arborist Wood chip mulch shall conform to COS Section 9-14.4(4) with the exception that the maximum length shall not exceed 4 inches and fines do not exceed 25%.

K. Excelsior Matting for dike stabilization: Use Landlok® TRM450, 6.5' wide roll, as manufactured by Synthetic Industries, or approved equivalent product.

L. Portable Storage and Filtration Systems:
   1. Portable storage tanks with filtration treatment conforming to Baker Tanks® media filter systems or Rain-for-Rent® or AHJ approved equivalent product.
   2. Design and sizing for pumps, portable storage tanks, filtration and treatment system shall be by a certified CESCL and included in Contractor's CSEC Plan.

M. Matting/Rolled Erosion Control Product: use North American Green BioNet® SC150BN™ or approved equivalent product.

N. Wheel Wash: conform to NW Equipment Sales and Leasing Inc. Self Contained Portable "The Soaker" wheel wash or approved equivalent product or provide approach identified and detailed in the CSEC Plan for AHJ review.

O. Clearing limits fencing: orange plastic safety construction fencing.

P. Stabilized Construction Entrance: an approach identified and detailed in the CSEC Plan for AHJ review. Geo-textile Fabric conform to Mirafi® 140N or approved equivalent product.

Q. Additional Erosion Control Measures: Provide in accordance with AHJ, the NPDES permit and/or Ecology, whichever is more stringent.

PART 3 - EXECUTION

3.01 GENERAL

A. The Contractor shall designate a CESCL and CESCL back-up to be responsible for implementing and maintaining effective CSEC to prevent violations of the KCWTD Industrial Waste Discharge permit, AHJ permit(s) and other permits. The designated lead shall:
   1. Be certified as indicated in Part 1.
   2. Attend the AHJ Preconstruction Meeting(s).
   3. Inspect the CSEC measures daily and after storm events and keep a daily CSEC site inspection log of the CESC measures on site. The log shall be made available at all times to AHJ Inspector, Owner's Representative, and/or Owner.

B. Arrange for an AHJ inspection of the CESC facilities after initial installation and prior to starting any demolition, clearing, stripping, grading and/or utility operations. Obtain approval of the first installation of CESC facilities from the AHJ Inspector. The Owner's Geotechnical Special Inspector shall participate in the inspection.

C. Install clearing limits fence for Owner's Representative and Geotechnical Special Inspector's review and approval. Do not begin clearing or demolition until approval has been obtained.

D. Perform CESC measures in accordance with the requirements of this Section, COS Section 8-01, the AHJ permits and requirements by other AHJ.

3.02 INSTALLATION, COORDINATION AND MAINTENANCE

A. Coordinate, install and maintain the CSEC measures in accordance with the CSEC Plan, manufacturer's specifications and recommendations, COS, AHJ and Washington State Department of Ecology whichever is more stringent.
   1. Coordinate and upgrade, revise or add additional CSEC measures as needed to achieve compliance with the related City permits and County permits and prevent sediment transport to surface waters, drainage systems, and adjacent properties.
      a. The CSEC measures shown on the Contract Documents are shown for SDOT permitting purposes only. The Contractor is solely responsible for all means and methods and sequencing of CSEC measures.
      b. Install and sequence CSEC measures as appropriate for the Contractor's actual construction activities and phasing.
      c. Install, maintain and upgrade CSEC measures to conform with AHJ and Owner requirements at no additional cost to the Owner.
   2. Coordinate and maintain CSEC measures so that they function properly.
      a. Inspect daily and record inspection results.

b. Promptly clean, repair, secure, replace or take other steps as necessary keep CSEC measures properly functioning. Clean accumulated sediment away from filter fabric fences, inlet protection or other sediment traps.
c. Monitor water quality to verify compliance with the KCWTD IWDP and related AHJ permits.
    1) Report violations of the permits immediately to the Owner's Representative.
    2) Immediately implement contingencies described within the Contractor prepared AHJ reviewed CSEC Plan and install additional measures to correct violations and achieve compliance with the permits.
    3) Pay fines resulting from violations of permits at no additional cost to the Owner.

3. Cover exposed stockpiles if exposed for more than 24 hours or when rain and/or severe wind are forecasted.
    a. Cover stockpiles with plastic. Anchor the plastic to maintain cover in place and adjust as required to maintain full cover after wind or other event.
4. Coordinate and seed as necessary in accordance with the CSEC Plan and drawings, COS Section 8-01, and as noted:
    a. Give the Owner's Representative 48 hours' notice of seeding operation.
    b. Do not seed during windy weather; when the ground is frozen or within 48 hours of forecast for rain.
    c. Seeding season will be March 15 to October 15, unless otherwise agreed to in writing by the Owner's Representative.
    d. Do not seed on weekends or legal holidays without approval from Owner.
    e. Fertilizer, seed and mulch shall be applied in one operation with hydraulic equipment. Apply materials at the following rates:
        1) Water: As necessary.
        2) Wood Fiber Mulch: 2,000 lbs. per acre.
        3) Seed: 40 lbs. per acre.
        4) Fertilizer: six lbs. per 1,000 square feet.
        5) Tackifier: 40 lbs. per acre.
    f. Equipment shall use water as carrying agent utilizing continuous built-in agitation system. Equipment with a gear pump is not acceptable.
    g. Pump a continuous, non-fluctuating supply of homogenous slurry to provide a uniform distribution of material over designated areas.
    h. Reapply seed as necessary if it is removed after application such as from washing downstream, from birds and/or wildlife eating seed or from rainfall or from other means. Continue to apply seed until area is stabilized and vegetation is established. Reapplication of seed is to be at no additional cost to the Owner. Grass height shall reach a minimum 1.5 inches.
    i. Implement measures including but not limited to watering, mowing, reseeding for establishment, maintenance and stabilization of vegetation from seed and germination at no additional cost to Owner.
5. Coordinate and install wattles per manufacturer's recommendations.
6. Coordinate and install the filter fabric fence per Ecology and in a manner that prevents soil carried by runoff from going beneath, through, or over the top of the silt fence, but allow the water to pass through the fence.

B. Construct stabilized construction entrance(s) and wheel wash(s) at point of construction ingress and egress at AHJ approved location(s). Wheel washes shall be adequately sized, detailed and located per the Contractor's CSEC Plan to clean mud and debris from wheels, tires, suspension, frame and body of all vehicles exiting the Project as necessary to prevent tracking of mud and debris onto public roadways and newly paved areas. Contractor responsible for controlling ingress and egress points appropriate for approved access shown in the CSECP.

C. Use phased demolition, clearing, grubbing and stripping to minimize disturbance of soil and erosion potential.

D. Clean catch basins, inlets and area drains in and adjacent to identified work area(s) prior to proceeding with Work in that area. Mud and sediment build-up shall be removed and the cleaning operation shall not flush sediment-laden water and sediment into natural or constructed systems, including but not limited to infiltration facilities, catch basins, inlets and area drains. Provide catch basin protection for existing catch basins, inlets and area drains in and adjacent to work area. Provide catch basin protection for catch basins, inlets and area drains following installation, until site paving and landscaping are completed and the site is stabilized and established.

E. Construct swales, check dams, earth dikes, berms, culverts, sediment ponds, temporary storage units such as Baker Tanks® or Rain-for-Rent®, and/or similar controls identified in the Contractor's CSEC Plan as needed to prevent sediment-laden discharge from leaving the construction activity zone identified in the Contractor's CSEC Plan. CSEC measures shall be in accordance with the Contractor's CSEC Plan and submittals. In addition, the following shall apply:
   1. Apply seed mix to interceptor swales using the seed mix specified in this Section.
   2. Accomplish earthwork in accordance with Section 31 00 00 - Earthwork.

F. Keep existing and new drainage systems properly functioning at all times, in accordance with the Contractor's CSEC Plan and drawings, including but not limited to:
   1. Clean catch basins, inlets and conveyance systems prior to beginning Work.
   2. Do not allow sediment-laden stormwater to enter onsite catch basins and inlets prior to treatment.
   3. Do not allow more than six inches of sediment to accumulate within catch basins, temporary ditches, gutters or other on-site structures. Do not allow sediment to discharge or filter into permanent storm drainage facilities.
   4. Inlet and catch basin protection devices shall be cleaned or removed and replaced when sediment has filled one-third of the available storage (unless a different standard is specified by the product manufacturer).
   5. Do not allow sediment build-up within offsite catch basins, inlets, gutters and other drainage features.
   6. Install and regularly clean catch basin inserts in all area drains, inlets and catch basins in accordance with AHJ requirements.
   7. Install silt fence and wattles as noted on Plans, Contractor's CSEC Plan and as dictated by Contractor's means and methods. Maintain and remove accumulated sediment build-up behind silt fence and wattles or other CSEC controls.

G. Do not allow sediment or other debris to accumulate offsite on adjoining public or private property. Clean up such accumulations immediately at no additional cost to the Owner.

H. Install other Erosion Control BMPs in accordance with manufacturer recommendations and COS Section 8-01.3.

3.03 SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN

A. General:
   1. Locate storage areas for toxic or hazardous materials in such a manner that spilled materials will not enter the storm drainage system.
   2. Provide secondary containment around those areas designated for toxics or hazardous materials to prevent spills from entering storm drainage systems.
   3. Locate vehicle parking areas so that spilled fuel or oil will not enter the storm drainage system.

4. Locate decontamination and toxic and hazardous waste storage areas in such a manner that spilled materials will not enter the storm drainage system.

B. Protect storm drain inlets, swales, drain curb cuts and other entry points to storm drain system with materials or devices such that spills do not enter the storm drainage system.

C. Spill Clean-Up:
   1. Notify Owner's Representative immediately if toxic or hazardous materials are spilled.
   2. Notify the Washington State Department of Ecology, AHJs and Geotechnical Special Inspector immediately following a spill of a toxic or hazardous material.
   3. Clean up spills promptly and completely, and in accordance with AHJ requirements.
   4. Report as required to AHJ.

3.04 WET SEASON GRADING

A. See the notes on the drawings for special requirements associated with grading operations between October 31 and April 1.

3.05 TESC REMOVAL AND CLEANUP

A. Upon completion of improvements and when areas upstream are stabilized from erosion and approval is obtained from the Owner, AHJ Inspector, and Geotechnical Special Inspector remove CSEC measures. Identify in writing if removal operations deviate from the CSEC Plan submitted.
   1. At areas with excavations for CSEC, such as interceptor swales, remove and properly dispose of offsite, temporary piping, debris, unsuitables, sod, strippings and other CSEC measures. Backfill with Common Fill and compact in accordance with Section 31 00 00 - Earthwork and complete improvements.
   2. Inlet and catch basin protection measures shall be removed within five (5) business days after final site stabilization is achieved as determined by the Owner, AHJ Inspector, or Geotechnical Special Inspector, or after it is no longer needed, whichever is longer in accordance with City of Seattle BMP E3.65. If inserts for catch basins and inlets are removed during times of flooding, the contractor is responsible for re-installing them per City of Seattle regulations.

B. Install restoration measures and implement measures for establishment of grass and plantings upon removal and backfilling of sediment ponds, interceptor swales and other TESC measures. These measures shall include providing temporary BMP's as appropriate at the site edges such as compost sock, triangle dike or silt fencing. The edge control BMP's to be removed when approved by Owner.

END OF SECTION