ADDENDUM NO. 1

RE: Bryant Habert/Wait Ecological Restoration

To be included in “Notice to Contractors, Instructions to Bidders, and Contract Documents” for the Bryant Habert/Wait Ecological Restoration Project

To Whom It May Concern,

Please see the attached Addendum No. 1 for the Bryant Habert/Wait Ecological Restoration Project.

The Resource Conservation District of Santa Cruz County (RCDSCC) is a special district organized under state law. The RCDSCC is also a public resource agency and has no enforcement or regulatory functions. The District works closely with the USDA Natural Resources Conservation Service, through a mutual agreement, in responding to the soil and water management needs of Santa Cruz County land users.

Please contact Kelli Camara at (831) 464-2950 extension 15 if you have any questions or comments.

Thank you,

Kelli Camara
Program Director
Resource Conservation District of Santa Cruz County
kcamara@rcdsantacruz.org
www.rcdsantacruz.org
Office: (831) 464-2950 extension 15
Fax: (831) 464-3215
ADDENDUM NO. 1
July

RE: Bryant Habert/Wait Ecological Restoration Addendum Topics Include:

A. Engineers Estimate
B. Revised Bid Sheet
C. Stormwater Pollution Prevention Plan (SWPPP)
D. Spoils Disposal Area
E. Construction Staking
F. Exposed Pipe
G. Carsonite Marker
H. Electronic Bid Submittal
I. Water Utility Transmission Piping
J. Relocated Biochar Filter
K. Water Source
L. On-Site Monitors
M. Insurance Requirements

A. Engineers estimate is $275,000 - $300,000.
B. A revised bid sheet is attached.
C. The project has a SWPPP exemption.
D. Clearing and Grubbing is not required at the Spoils Placement Area. Prior to the placement of Engineered Fill the area to receive the fill shall be disked to a depth of 4 inches and moistened to the satisfaction of the Engineer immediately prior to the placement of engineered fill. Another acceptable method would be to mow the weeds to height of 4 inches and rip the area to receive spoils to a depth of 4 inches and moistened to the satisfaction of the Engineer immediately prior to the placement of engineered fill.
E. Waterways Consulting Inc., project engineer, will provide construction staking.
F. The buried pipe in Site 2 will be capped and abandoned. Contractor is responsible for off-haul of the removed segment of pipe.
G. Carsonite marker has been replaced with 3-inch t-post, 8-10’ in height. See Sheet C3.
H. Bid proposal may be submitted electronically to info@rcdsantacruz.org
I. Section 331411 Water Utility Transmission Piping – Replace the entire Section with the updated, attached section titled “Section 331411 Water Utility Transmission Piping (Updated July 7, 2020)”.
J. An updated set of drawings has been issued for the project that includes the relocation of an existing Biochar Filter located at the project site. The Drawings include revision boxes on each sheet and indicate whether changes have been made to that sheet. Changes are outlined with revision clouds on the drawings, as relevant. Section 015000 Mobilization – 3.1 Contractor’s Plant and Equipment, subparagraph F, replace entire subparagraph with the following:

K. Water. The existing agricultural well and pump near the southeastern corner of the property may be used to obtain construction water. Owner will provide the Starter Box. Contractor shall provide a generator capable of producing 10,000 Watts, minimum to power the pump. Contractor shall remove
the Starter Box daily to protect against theft and vandalism. Contractor shall be financially responsible if the Starter Box is damaged or stolen.

L. RCD will provide a biological monitor and archeological monitor for ground disturbing activities
M. RCD will accept a surplus line carrier (US based company) with a rating of at least A:IX

Attachments:
- Revised Bid Sheet (1 page attached)
- Revised Design Planset (7 pages attached)

END OF ADDENDUM
SCHEDULE OF BID PRICES

All Bid items must be filled in completely.

Total Bid Price:

(Fill out Total Bid Price in Words)

5. Subcontractors for work included in all Bid items are listed on the attached Subcontractor’s List.

6. The undersigned Bidder understands that the RCDSCC reserves the right to reject any or all bids received.

7. If the RCD accepts this Bid, the undersigned Bidder shall execute and deliver the Contract Documents, bonds and insurance required herein.
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SECTION 331411
WATER UTILITY TRANSMISSION PIPING

1. GENERAL

1.1 Description

A. The work covered by this section consists of furnishing and installing all water transmission piping and associated appurtenances and relocating the existing Biochar Filter as shown on the Drawings, as specified herein, or as otherwise directed by the Engineer. Work includes, but is not limited to the following:

1. Installing all piping, valves, fittings, connections, and associated components and performing associated trenching, excavation, backfill, and compaction.
2. Installing the aggregate base rock pad.
3. Relocating and replumbing the Biochar Filter.
4. Removal and disposal of existing pipes identified for removal.

B. Related Sections

1. Clearing and Grubbing, Section 311100
2. Stripping and Excavation, Section 312316
3. Engineered Fill, Section 312323

1.2 References

A. State of California Department of Transportation (CALTRANS) Standard Specifications.

B. Caltrans, California Test 231. Method of Test for relative compaction of untreated and treated soils and aggregates using nuclear gages.

1.3 Submittals

A. Submit to the Engineer, for review the following:

1. Manufacturer’s catalog data and installation instructions for all water transmission piping and associated appurtenances.

1.4 Quality Assurance

A. All work required under this Section shall be conducted in conformance with the Uniform Plumbing Code, latest edition.

2. PRODUCTS

A. Comply with the Drawings and Section 61 of the State Standard Specifications.

B. Pipe. Pipe shall include all plastic pipe, and hardware. Pipe shall comply with the material specifications shown on the Drawings.
C. Fittings. Fittings shall comply with the material specifications shown on the Drawings.

D. Valves. Comply with the material specifications shown on the Drawings.

3. EXECUTION

3.1 Pipe Placement

A. Trenching. The Contractor shall excavate trenches for pipelines deep enough to provide the required minimum cover from finish grade, as shown on the Drawings. Each trench shall be excavated straight and excavated to the proper depth and must provide continuous support for piping along the bottom of the trench. The trench bottom shall be leveled and objects greater than 1½ inches in diameter shall be removed.

B. Solvent Weld Joints. Solvent weld joints shall be of commercial quality and made according to manufacturer's specifications for solvent weld piping. Pipes and fittings shall be completely cleaned to be free of dirt, dust, and moisture before installation and the application of primer and solvent cement. Lines shall be allowed to set for at least 24 hours before the system is flushed or pressure is applied to the system. After cementing, the pipes and fittings should be held in position for 45 seconds to permit cement to set thoroughly before moving.

C. Backfilling. Following completion of the underground sections of the piping system and approval by the Engineer, the trenches shall be backfilled and compacted to a minimum of 90% maximum attainable density according to ASTM 1557. Backfilling operations shall conform to adjacent grades without any surface irregularities. The Contractor shall make all adjustments required as a result of settlement, including equipment adjustments, at the Contractor's expense.

3.2 Aggregate Base Rock Pad and Water Storage Tank Installation

A. Aggregate Base Rock Pad. Aggregate Base Rock Pad installation shall comply with Section 26-1.03 of the Standard Specifications. Prior to the construction of the base rock pad clear and grub the area for pad placement according to Section 311100, Clearing and Grubbing. After clearing and grubbing operations are complete scarify the area to a depth of 6 inches and recompact the material to 90 percent relative compaction per Section 312323, Engineered Fill. After approval of the recompacted subgrade spread and compact the Aggregate Base in two separate equivalent layers. Compact each layer to at least 95 percent relative compaction per California Test 231.

B. Biochar Filter. Prior to relocation and placement of the existing Biochar Filter ensure the Base Rock Pad is level. Place the Biochar Filter in the center of the pad.

3.3 Observation and Testing

A. Testing. The Contractor shall operate the water transmission system for approval by the Engineer. The Contractor shall notify the Engineer 48 hours in advance of testing. The system shall be fully operational at the time of testing. The Contractor shall perform tests as specified and repair all faulty construction and materials. The Contractor shall provide
a pump and all other required test equipment, as necessary. Use of cement or caulking to seal leaks will not be permitted at any time. The Contractor shall center-load piping with a small amount of backfill to prevent it from arching or slipping under pressure. No joint shall be covered until required testing is complete and the Engineer approves the system. For pipe to be placed below grade, no pipe shall be covered or trenches backfilled until installed pipe has been observed for installation alignment and work quality and the system has been tested and approved by the Engineer. Before testing, the lines shall be flushed to remove dirt and other debris that may have accumulated in the pipe.

4. MEASUREMENT AND PAYMENT

4.1 Measurement

A. Water Utility Transmission Piping will not be separately measured for payment.

4.2 Payment

A. Water Utility Transmission Piping will be paid for at the lump sum contract price, which price will be payment in full for furnishing all labor, materials, tools, equipment, and incidentals necessary to complete the Water Utility Transmission Piping including all piping, valves, fittings, connections, associated components, construction of the aggregate base rock pad and relocation of the existing Biochar Filter, as specified, as shown on the Drawings, or as directed by the Engineer.

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END OF SECTION