ADDENDUM #2

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

C-4016 NEW SCIENCE BUILDING – INCREMENT 0, ABATEMENT AND DEMOLITION
CONTRA COSTA COLLEGE
Date: 4/23/2018

NOTICE TO ALL CONTRACTORS

You are hereby notified of the following changes, clarifications and/or modifications to the original Contract Documents, Project Manual, Drawings, Specifications and/or previous Addenda. This Addendum shall supersede the original Contract Documents and previous Addenda wherein it contradicts the same, and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

This Addendum forms a part of the Contract Documents and modifies the original Contract Documents dated 3/30/2018. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

A. ADDITIONS/DELETIONS/CHANGES

GENERAL

1. Item: Pre-Bid Meeting Notes
   ADD: Pre-Bid Meeting Notes, dated April 12, 2018 (attached).

2. Item: Pre-Bid Questions (RFIs) and Responses
   ADD: Pre-Bid Requests for Information (RFIs), along with Responses, are included as an attachment to this Addendum.

3. Item: Non-mandatory Site Visit
   A non-mandatory site visit has been scheduled for Wednesday, April 25, 2018, from 10:30a.m. – 12:00, to provide a second opportunity for those potential bidders who attended the Mandatory site visit to inspect the project buildings and the surrounding project site. Interested potential bidders should meet at the front entrance to the LA Building (a Campus Map is included in the Bid documents) promptly at 10:30AM.

SPECIFICATIONS

1. Item: SECTION 00010 TABLE OF CONTENTS
   DELETE/REPLACE: Delete SECTION 01572 STORM WATER POLLUTION PREVENTION less than acre and Replace with: STORM WATER POLLUTION PREVENTION – SITES THAT DISTURB ONE OR MORE ACRES OF LAND SURFACE
ADDENDUM #2

2. Item: SECTION 00210 INFORMATION AVAILABLE TO BIDDERS
   ADD: ADD item 1.2G Pre-Demolition Hazardous Materials Survey Report, Contra Costa College District, Liberal Arts Building, dated July 25, 2017, prepared by RGA Environmental/Terracon
   NOTE: The above-referenced documents are available, for review and download, from the District website [http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx](http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx).

   DELETE/REPLACE: Delete the sentence in the middle of the paragraph that begins with “Any costs or expenses of inspection...” And replace with: The Contractor will be responsible to reimburse the District for the cost differential (e.g., travel expenses, subsistence expenses, higher hourly rates, premium time for overtime hours, swing shifts or any time outside of normal work day hours), if any, for inspection and testing services required by regulatory agencies incurred outside of a fifty (50) mile radius from the Project Site, or if the Contractor requests inspection and testing services outside normal work day hours (eight hours/day) Monday through Friday, which are typically between 7:00 am and 3:30 pm. The District will provide the Contractor with the invoice and deduct the cost differential from the next Progress Payment. The District shall also pay for geotechnical compaction testing services by the Geotechnical Engineer of Record.

4. Item: SECTION 01010, SUMMARY OF WORK, Article 1.9D.
   CHANGE: Change “Architect” to “District” at the end of the sentence.

5. Item: SECTION 01010, SUMMARY OF WORK, Article 1.9A
   DELETE/REPLACE: Delete the existing paragraph, and Replace with the following: Prior to commencement of work, jointly survey the adjacent areas of the project site with the District and the Architect, noting and recording existing damage such as cracks, sags, and other damage on the site plan. Provide copy of the marked-up site plan to the District for their records. Also, See Section 31 50 00 for additional survey requirements by a California Licensed Surveyor. For the Fire Access Road, it will be particularly important to provide benchmarks along the road and to provide said survey documentation to the District prior to commencing work on the project site.

6. Item: SECTION 01010, SUMMARY OF WORK
   ADD: Article 1.14B: The Campus will disconnect the intrusion alarm monitoring system for both the LA and HS buildings. However, the Contractor shall provide a 7-calendar day notice to allow sufficient time to coordinate this effort with the Campus. In addition, the Contractor shall contract with Siemens to disconnect the fire alarm system for both buildings at the appropriate time prior to abatement and demolition of each building.

7. Item: SECTION 01140 WORK RESTRICTIONS
   REPLACE: Delete existing SECTION 01140 - WORK RESTRICTIONS, in its entirety, and Replace with the attached SECTION 01140 - WORK RESTRICTIONS, in its entirety.

8. Item: SECTION 01312 PROJECT MEETINGS
   DELETE/REPLACE: Delete the existing Articles 1.8A and B, and replace with: “Article 1.8A Not Used: and “Article 1.8B Not Used”.
ADDENDUM #2

9. Item: SECTION 01400 QUALITY CONTROL REQUIREMENTS, Article 1.8A.
   DELETE/REPLACE: Delete existing Article 1.8A, and Replace with: Article 1.8A This is not a DSA-monitored project, but the District has hired an Inspector of Record to monitor and document the Contractor’s daily activities for compliance with the Contract Documents.

10. Item: SECTION 01500 TEMPORARY FACILITIES & CONTROLS
    DELETE/REPLACE: Delete existing SECTION 01500 TEMPORARY FACILITIES & CONTROLS, in its entirety, and Replace with the attached SECTION 01500 TEMPORARY FACILITIES & CONTROLS

11. Item: SECTION 01813 SUSTAINABLE DESIGN REQUIREMENTS
    DELETE/REPLACE: Delete existing “LEED v4 BD+C: New Construction and Major Renovation Project Checklist” (in its entirety), and Replace with the attached “LEED v4 BD+C: New Construction and Major Renovation Project Checklist”.

12. Item: SECTION 31 10 00 SITE CLEARING:

DRAWINGS (the following revised sheets are attached to this Addendum.)

1. Sheet No. AD1.0.1 DEMOLITION SITE PLAN.
   REVISED: Revised General Sheet Notes D. to clarify fire access requirements for existing fire hydrants; revised Sheet Keynotes AD101 and AD104 to indicate additional scope as indicated in the drawing.

2. Sheet No. C2.00 DEMOLITION PLAN.
   REVISED: Revised Demolition Notes #1, 2, 9, 11, 13, and 14; revised scope of work for Pedestrian Bridge Demolition as indicated in the drawing.

3. Sheet No. C3.00 ROUGH GRADING AND UTILITY PLAN.
   REVISED: Revised scope of work for the existing pile demolition scope of work for existing Pedestrian Bridge and Health Science Building; revised scope of work for the reconnection of existing site lighting as indicated in the drawing.

4. Sheet No. C5.00 WORK RESTRICTIONS/staging plan.
   REVISED: Revised temporary construction fencing to 6’; revised WORK RESTRICTIONS/staging notes #5 indicating the emergency contact; revised temporary construction fencing to coordinate with existing fire hydrants as indicated in the drawing.

5. Sheet No. E1.00 SITE LIGHTING RECONNECTION.
   REVISED: Revised sheet title to read “SITE LIGHTING RECONNECTION”; revised scope of work for the reconnection of existing site lighting and disconnection scope of work for existing Liberal Arts and Health Science Building, replace sheet in its entirety.

ATTACHMENTS

1. Pre-Bid Meeting Notes
2. Pre-Bid Questions (RFIs) and Responses
3. SECTION 01140 - WORK RESTRICTIONS
4. SECTION 01500 - TEMPORARY FACILITIES & CONTROLS
5. Attachment to SECTION 01813, SUSTAINABLE DESIGN REQUIREMENTS = “LEED v4 BD+C: New Construction and Major Renovation Project Checklist
6. Sheet No. AD1.0.1 DEMOLITION SITE PLAN
7. Sheet No. C2.00 DEMOLITION PLAN
ADDENDUM #2

8. Sheet No. C3.00 ROUGH GRADING AND UTILITY PLAN
9. Sheet No. C5.00 WORK RESTRICTIONS/STAGING PLAN
10. Sheet No. E1.00 SITE LIGHTING RECONNECTION

B. For questions regarding this Addendum, please email:
   Mr. Jovan Esprit, Contracts Manager
   Contra Costa Community College District
   500 Court St., Martinez, CA 94553
   Email: jesprit@4cd.edu

   All other terms and conditions of BID are to remain the same.

SMITHGROUPJJR
301 Battery Street, 7th Floor
San Francisco, Ca 94111

[Signature]
Architect of Record: Roxanne Malek

END OF ADDENDUM #2
MEETING NOTES

PROJECT NUMBER/NAME: C-4016 New Science Building, Increment 0, Abatement and Demolition
CAMPUS: Contra Costa College
DSA #: Not Applicable

MANDATORY PRE-BID MEETING
Date: April 12, 2018
Time: 10:00 a.m.
Location: Contra Costa College
Building and Grounds Department Conference Room
2600 Mission Bell Drive
San Pablo, CA 94806

IMPORTANT NOTE: An on-site job walk/field presentation immediately followed the meeting. Attendance at this meeting and job walk was mandatory for potential bidders. At completion of the field presentation, Certifications of Site Visit (Section 00450), signed by the District Representative, were issued to meeting attendees. This signed form must be submitted with your bid.

I. Project Team Members:
   Ray Pyle  Chief Facilities Planner – Contra Costa Community College District (CCCCD)
   Ines Zildzic  Associate Chief Facilities Planner – CCCCCD
   Kathleen Halaszynski  Director of Construction Program Control – CCCCCD
   Ben Azarnoush  District Design Director – CCCCCD
   Jovan Esprit  Contracts Manager – CCCCCD
   Ron Johnson  Project Manager – Critical Solutions, Inc. (CSI)
   Jean-Luc Keita  Construction Manager – CSI
   Irene Morris  Architect of Record (AOR) – SmithGroupJJR
   Yuki Suda  Architect of Record (AOR) – SmithGroupJJR
   Ken Pilgrim  Terracon/RGA Environmental-Abatement Consultant
   Edwin Silva  Inspector of Record (IOR) – Structures Group (SG)
   Bruce King  Buildings & Grounds Manager – Contra Costa College (CCC)

II. Welcome and Introductory Remarks – Ron Johnson and Yuki Suda
   + The District team members were introduced.
   + Briefly reviewed the importance of public safety, noise, and available parking
   + This project does have a Project Stabilization Agreement.
   + The EADOC Web Based Management System will be used on this project.
   + The overall project goal is LEED Silver.
   + Yuki provided an overview of the other project increments (1, 2 and 3).

III. Brief Project Description
    Increment 0 scope includes abatement and demolition of the Liberal Arts (LA) building, Health Science (HS) Building, pedestrian bridge, and site utilities as shown in hazardous materials, civil, architectural, electrical, and telecom drawings, and the project manual volumes 1 & 2.
IV. Summary of Work

In general, the Work consists of the following, but not limited to: installation of temporary facilities, safety signage, wayfinding signage, roads, fencing, and lighting; storm water pollution prevention; abatement of hazardous materials; demolition and removal of two buildings, a pedestrian bridge, and above-ground and below-ground utilities; and all related work. Discussed how the Contractor needs to assume that some underground utilities will have to be abated and additional detail will be provided in Addendum 2.

V. Project Work Restrictions (SECTION 01140) & Temp Facilities and Controls (Section 01500)

Discussed the following key issues:
+ Temporary Work Activity Plan.
+ Temporary Fencing-Beyond Contract Duration.
+ Temporary Lighting-Beyond Contract Duration.
+ Utility Shutdowns. Contractor will have to connect existing exterior lights to a new power source before demolishing the existing conduit on the side of the HS Building.
+ Truck Access and the One-Way Road.
+ Fire Lane Access for Fire District. The access road will be under the control of the Contractor but cannot block it and will have to install special locks on the gates for Fire District access.
+ Storm Water Pollution Prevention (Section 01572)/Beyond Contract Duration was discussed. Bidders were told additional information will follow in Addendum 2 on who is responsible and how it will transition from one contractor to the next since the project includes multiple increments.

VI. Bid Phase Communications & Correspondence:
+ All questions related to this Project must be submitted, electronically, to:

  Jovan Esprit, Contracts Manager
  Email: jesprit@4cd.edu
  Contra Costa Community College District
  500 Court St., Martinez, CA 94553

VII. Addenda Update:
+ Addendum #1 – was issued 4/2/2018
+ Addendum #2 – expected to be issued on or about Monday, April 23, 2018.

VIII. Bid Phase Schedule Milestones
+ Last day for RFI: April 17, 2018, prior to 5:00 p.m.
+ Last Addendum Issued: April 24, 2018
+ Bid Opening: May 1, 2018, 2:00 p.m.
+ Award of Contract: May 24, 2018 (approximate)
+ Notice to Proceed: June 7, 2018 (approximate)
+ Work Starts on Site: September 4, 2018 (approximate)
+ Bidders were encouraged to provide a bid question about the construction duration if they thought it was too short, and to suggest a specific duration for consideration.

IX. Bid Opening:
+ Bids must be received at the Contra Costa Community College District Office, 500 Court St, Martinez, CA, by May 1, 2018, prior to 2:00 PM.
+ All bids will be time stamped at the reception counter in the building lobby.
+ Any bid received after the bid opening time will be rejected.
+ An announcement will be made at the two-minute mark prior to the bid opening deadline.
X. Bid Package:
+ Review your bid package carefully before submitting it. Be sure to include all required documentation, or bid will be rejected:
  - Completed Bid Proposal Form (Section 00300), to include bidder’s name and signature.
  - An active CLSB license number, as required in the bid documents.
  - Acknowledgement of any/all addenda issued.
  - Listing of actively-licensed subcontractors, including license numbers and DIR numbers.
  - Bid Bond – 10% of bid Amount.
  - Bid bond must accompany bid; company checks are acceptable, but cash will not be accepted.
  - Statement of Bidder’s Qualifications (Section 00400), signed by an authorized officer of the Bidder.
  - Non-Collusion Affidavit, fully executed.
  - Completed and signed Certification of Site Visit (Section 00450).
  - Other documents as required by the Contract Documents.
+ Contact Jovan Esprit if you have additional questions.

XI. Contract Duration Discussion
+ SECTION 00600, CONSTRUCTION AGREEMENT.
+ 211 Calendar Days from Notice to Proceed (NTP) to Substantial Completion (SC).
+ 35 Calendar Days between SC and Final Completion (FC).
+ Work on Site Can’t Start Until September 4, 2018.
+ Bidders were strongly encouraged to review Project Work Restrictions, (Item V, above).

XII. Substitution requests MUST comply with Contract Documents
+ SECTION 00700, GENERAL CONDITIONS, Article 3.11.4.
+ Sample Substitution Request form is included in bid package. Contact Jovan Esprit for electronic copy.
+ The District does not anticipate that bidders will request substitution request since this is mainly an abatement and demolition project.

XIII. DSA (CA Division of the State Architect)
+ This is not a DSA-monitored project. However, the District has hired an Inspector of Record to monitor and document the daily activities of the Contractor.

XIV. Site Job Walk/ Field Presentation/Questions
+ The bidders were provided access to the buildings to inspect the conditions of the buildings.
+ The bidders were informed that they will be responsible for removing ALL the movable and fixed furniture and equipment and materials within and outside the building. The District/College may remove some miscellaneous equipment and materials like computers, printers, monitors and archive storage boxes from the buildings prior to the start of work at the project site.
+ The possible staging areas were discussed within the boundaries of the project site.
+ The bidders were shown the one-way road leading into the project site and how they would have exit with the trucks to the northwest.
+ The access point for trucks was reviewed and it was pointed out that the Contractor will have to provide flashing warning signs at the main entrance to the project site as well as safety signage to protect the pedestrians walking across the road at the main project site entrance.
The bidders were shown the steep and tight curve that the trucks will have to maneuver entering and existing the site and how the Contractor may need to modify this road for access to and from the site for its demolition equipment, and abatement and demolition trucks.

Bidders were shown the area near the AA Building and how new conduit will have to be installed from the AA Building to the exterior lights. This work will be included in Addendum 2.

A bidder requested if the temporary fence could be six feet high instead of eight feet high. The District will review this request and include any changes to the height of the fence in Addendum 2.

Tom Holt from Police Services pointed out that the elementary school annex could be used for parking construction vehicles, but the City may close off this access at some point during the project. If needed, temporary parking might be provided on the north side of the campus near Parking Lot 16.

A bidder asked if they could use plywood for the temporary fence and the bidder was instructed to submit a bid question on this subject for review and consideration.

A bidder inquired where they were to store the Palm trees, and they were told that trees will no longer be temporarily stored on site, and this issue will be addressed in Addendum 2.

Walked the fire access lane and pointed out the area along the south side of the lane that might have to be temporarily shored when demolishing the nearby buildings. However, bidders were encouraged to review the need for shoring very carefully along this lane.

The bidders asked if they could walk the buildings at another time and the District said the buildings would be made available for inspection again prior to the bid opening.

While walking along the pedestrian path of travel, discussed the need for LED lighting along the path of travel to ensure pedestrian safety at night.

Certification of Site Visit (Section 00450), signed by District Representative, was distributed at the completion of Site Walk.
REQUEST FOR INFORMATION/RESPONSES

C-4016 NEW SCIENCE BUILDING, INCREMENT 0, ABATEMENT AND DEMOLITION
Contra Costa College, 2600 Mission Bell Dr, San Pablo, CA 94806

=====================================================================================  

1) Question:
PCB Containing Sealant – Exterior and PCB Contaminated Sealant Contact Surfaces Materials are identified in the expansion joints of the Liberal Arts building. Please clarify where these expansion joints are located. (i.e. Are they at exterior walls, interior floors or elsewhere?)

Response:
All sealants are applied at exterior surfaces – there are a few vertical bricks to concrete joints around the perimeter of the building.

2) Question:
Per Specification Section 02 84 00, Part 1.4, G. Preparation of an abatement work plan per 40 CFR 761.61(a)(3)(C) and approved by the EPA Region IX based upon proposal abatement strategy is required. Please clarify who is preparing this abatement work plan.

Response:
This project will be completed by performance testing building materials with sealant contact (concrete, brick and metal) that will not be disposed as a PCB bulk product waste. EPA review and approval will not be sought. Contractor shall be responsible to prepare a plan of removal and remediation of contact surfaces for District review and approval. Extent of remediation required will be verified during an initial phase or pilot phase of removal.

3) Question:
Per Specification Section 02 84 00, Part 3.4, B. Surface and/or bulk samples may be used to confirm remediation based upon the selected remediation and approved work plan. Please clarify who will be responsible and pay for this testing. (Specifically asking about testing of remaining concrete or brick surfaces?)

Response:
The District will be responsible for verification sampling (analytical and collection) costs.

4) Question:
Per Specification Section 02 84 00, Part 3.4, D. Metal window/door frames and mechanical louvers separated from sealants for recycling or general disposal must be surface tested for residual PCB contamination. Please clarify who will be responsible and pay for this testing.

Response:
The District will be responsible for verification sampling (analytical and collection) costs.
5) Question:
Which as-built drawing(s) should be used to quantify the underground Transite pipe removal and disposal?

Response:
Refer to sheet C1.00 and C2.00 regarding existing site utility layout and demolition scope of underground utilities. Based on previous experience with the New College Center, the Contractor shall assume all underground pipe with either asphalt coating (gas and water), and insulated wrap on pipes (underground mechanical) will need to be abated and removed in accordance with the Division 2 specifications prepared by Terracon.

6) Question:
There is not a Hazardous Report for Asbestos and Lead. Is this abatement work a part of this Bid?

Response:
The Hazardous Reports are on the District web site and abatement work is part of the bid. See Division 2 specifications prepared by Terracon along with the related Hazardous Material Drawings HM1 through HM6.

7) Question:
Section 1140, 1.2 (C): States construction of dust partitions as required. Please define acceptable dust partition methods.

Response:
As it pertains to abatement, Contractor shall follow procedures and requirements of Division 2 specification sections prepared by Terracon, as well as any requirements noted on the HM1-6. As it pertains to demolition, Contractor shall follow procedures and requirements of Section 02 41 13 and Section 02 41 16, as well as any requirements on related demolition drawings or required by law to protect public safety. Also see for example, Section 01416, Article 1.4A.

8) Question:
Section 1400, 1.8 (A): Project to be monitored by DSA. It was communicated at the Prebid meeting that this is not a DSA monitored project. Please confirm.

Response:
Confirmed. This project will not be monitored by DSA. Article 1.8 will note “Not Applicable”. However, an Inspector of Record has been hired by the District to monitor the daily progress of the Contractor.

9) Question:
Section 1416, 1.3 (F),2: These buildings have concrete construction that will required hammering of the material. Due to the noise impact, please acknowledge the use of “hoe rams” and hydraulic hammers and processors will be allowed for use during demolition and school hours including but not limited up to 8-hour periods.

Response:
Hoe rams and hydraulic hammers will be allowed during normal school hours, but see Section 01416, Special Procedures for noise mitigation measures. In addition, some restrictions will be added for specific time periods like “All College Day” and finals week in mid December. Also,
exterior abatement work and related demolition work will be moved up to July 27th with work occurring six days a week for a four to five-week period to help mitigate the noise impacts on the Campus. See Section 01140, Work Restrictions that was revised in Addendum 2 for additional information.

Question:
Section 1500: Is the District requiring the installation of a project field office for either the contractor, the District or the construction manager?

Response:
The Contractor is not required to have a field trailer on the project site, but is required to have a full-time superintendent on site when work is occurring at the project site. Section 1500 will be modified to clarify this issue. The District Construction Manager (CM) already has on site accommodations in the Student Activities Building, and a field trailer is not required for the District’s CM.

10) Question:
Section 1500 End of Section: Please provide picture of Sample 1 drawing. Missing.

Response:
Sign Samples #1 and #2 are included at the end of Section 01500. Please see District website: http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx

11) Question:
Section 1813: This project has been identified as a LEED Silver project. However, the only component that is associated with making a LEED goal that falls under this project is the demolition waste recycling and management. Please define the parameters in which the Prime Contractor is obligated to meet the LEED Silver goals.

Response:
Prime Contractor of this project (Increment 0) shall be responsible in implementing, documenting, and uploading applicable LEED prerequisites and credits to LEED Online. Following LEED Prerequisites and credits shall be the responsibility of selected Prime Contractor:

- Sustainable Sites – Prerequisite: Construction Activity Pollution Prevention
- Materials and Resources – Prerequisite: Construction and Demolition Waste Management Planning
- Materials and Resources – Credit: Construction and Demolition Waste Management (targeting 2 points)

12) Question:
Section 28200: Will the District allow a DOSH Certified demolition contractor to demolish the remaining <1% but >.1% material in place with an active occupied campus?

Response:
Yes, a DOSH registered contractor may demolish the Health Science building with the ACCM exterior stucco. A regulated work area is still required, prompt cleanup of waste (daily before end of shift), and the Cal/OSHA PELs must not be exceeded beyond regulated area barriers. Any stucco debris must be completely removed from the project site. Also see the revised Section 01140, Work Restrictions in Addendum 2 for additional information. Demolition of the Health Science building will be limited to specific time frame when school is not in session or when the classes are not being held in the AA Building.
13) Question:
Section 311000, 3.5 (A), 4: Please indicate location where the trees are to be chipped and stockpiled. Who is responsible to maintain the stockpile?

Response:
All trees and stockpiles shall be removed from the project site. Addendum 2 will revise the appropriate drawings.

14) Question:
Section 311000, 3.6 (B): Please confirm you are requesting the striping of topsoil from the site. Is the district requiring this material to be off hauled or can it be used on site?

Response:
Confirmed. Existing topsoil shall be stored within the project site for future uses during subsequent Increments. It is suggested to store and protect the topsoil at the southern portion of project site. Contractor shall coordinate the specific topsoil storage location with the District. Depending on the Contractor’s means and methods, the Contractor may have to move portions of the topsoil stockpile to accommodate its scope of work within Increment 0.

15) Question:
Drawing Sheet C2.00. (2) Trees are identified to be salvaged and stored for future relocation. Please provide location for storage, boxing requirements and maintenance requirements.

Response:
Demolish and remove all trees. There shall be no salvaged trees. See Addendum 2.

16) Question:
Drawing Sheet E1.0: This plan shows location of temporary LED lighting. However, the locations are not 8’ O.C. as stated within Section 1500 (14). Please confirm whether 8’ O.C. is correct or the locations on Sheet E1.0 is correct.

Response:
Comply with Section 1500 (14) regarding temporary LED lighting provision. Sheet E1.0 will be revised and issued as Addendum #2, which will show electrical scope of work for reconnecting the existing site lightings interrupted during the demolition work.

17) Question:
General: If this project is not a DSA project, will there be a governing City that will have responsibility of the issuance of Demolition permits, electrical permits, traffic permits, building permits, etc…? If so, will their Demolition and recycling ordinance requirements take precedence over CCCD’s?

Response:
Bidders shall assume that permits will not be required from the City of San Pablo or the City of Richmond. Bidding contractors shall be required to cut and cap the existing sewer and shall need to comply with the requirements the West Contra Costa County Sanitation District. See Section 01505 Construction Waste Management and Section 01813 Sustainable Design requirements for additional requirements.
18) Question:
Is there a link to the Specs sections for abatement consisting of:
   A. 02-82-00 Asbestos
   B. 02-83-00 Lead
   C. 02-84-00 PCB
   D. 02-88-00 Universal Waste

Response:
Yes. All of these documents can be found on the District’s web site:
http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx

19) Question:
Is there a link to the Drawings for Hazardous Materials of the following plans?
   A. HM1
   B. HM2
   C. HM3
   D. HM4
   E. HM5
   F. HM6

Response:
These drawings are included in the Drawing set posted on the District's web site:
http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx

20) Question:
In sec. 31-50-00 is it possible that the College District designs the retaining system to be used as this is a design issue and subject to many liabilities?

Response:
This project does not include any permanent retaining walls. The Bidders may need to provide temporary shoring or mechanically stabilized earth (MSE) wall as shown on the plans. However, the Bidding Contractor’s means and methods may not dictate the need for shoring and the Bidders might devise a plan to provide the proper slope without shoring.

21) Question:
Is onsite cut material suitable for backfill?

Response:
Refer to “GEOTECHNICAL ENGINEERING INVESTIGATION REPORT C-4016 NEW ALLIED SCIENCE BUILDING KLEINFELDER PROJECT No.: 20181569.001A” dated October 17, 2017 page 15 and 18.

22) Question:
Are there wells to cap?

Response.
No. Not to our knowledge. Any wells discovered on site would be considered a differing site condition.

23) Question:
Are we to monitor and survey adjacent buildings and roads for settlement, vibrations and movements and if so which and for how long?

Response:
See Section 01010, Summary of Work, Article 1.9 for survey requirements. The Contractor will be required to survey the south side of the road prior to commencement of work and at Substantial Completion. See Addendum 2.

24) Question:
The fencing at the AA building has 6-foot fabric with wind screen and can we use the same on this project as it is very hard to find 8-foot temp. fence and the drawings show 6 feet?

Response:
The specifications will be changed to allow a 6-foot-high fabric fence in lieu of the specified 8-foot-high fence. See Addendum 2.

25) Question:
On the Palm trees to be saved is there a location you want them and what is the maintenance of them?

Response:
Addendum 2 will be issued to demolish and remove said Palm trees.

26) Question:
On the temp. fence can you close out in our contract and the College assume the rental from that point forward due to contract issues?

Response:
Yes. That is the intent of Section 01500, Article 1.2B4.j. The intent is for the Contractor to have a temporary fencing contract that can be assigned to the District, or the subsequent contractor during the closeout phase of Increment 0 (i.e. closeout the contract with the Increment 0 Contractor). However, the cost of the lease for the designated period noted in the specifications would be paid in Increment 0.

27) Question:
Is there a proprietary Contractor on low voltage that the College will use for isolation of the fire and intrusion alarms and program out of the system?

Response:
Contractor to contact and contract with Siemens for work to disconnect the fire alarm system. The District/Campus will disconnect the Tel Tec intrusion alarm monitoring system. However, the Contractor will need to provide the District a 7 calendar day notice so this work can be timely performed by the Campus. See Addendum 2, Section 01010, Summary of Work.
28) Question:
Are there any allowances used in this contract?

Response:
No.

29) Question:
Is it the intent that all trucking will be performed by Teamsters on this project?

Response:
The District requires the Contractor to comply with the Project Stabilization Agreement referenced in Section 00600 Agreement and attached at the end of said section.

30) Question:
Is it possible to increase the time of completion for the project?

Response:
See Addendum 2 and the revised Section 01140, Work Restrictions. The date allowed to start work on site will be earlier than September 4, 2018, which allow more time on site to complete the contract work. If bidders still think additional time is required, submit a bid questions to the District with a recommended contract duration.

31) Question:
Is there a SWPPP in place that created the erosion control plan, and do we need to supply a QSP and QSD with NOI and NOT on top of the implementation of erosion control measures and is there a risk factor?

Response:
The SWPPP will be provided by the District’s representative. The Contractor shall provide a QSP and manage the implementation of the SWPPP as required by the State regulations. This will be clarified in a subsequent addendum.

32) Question:
The inclusion of 4 Saturdays at time and a half is to be included in our bid and if not used is there a deduct for this?

Response:
See Addendum 2 for changes to the number of Saturdays. The District intends to require the Contractor to use all work designated on Saturdays on critical path work, or work that is expected to result in the generation of significant noise impacts during normal school hours. If the Saturdays are not used, the District will request a credit for the unused overtime.

33) Question:
Drawing Sheet C2.00 General Work description: “Remove pedestrian bridge, supporting structure and piers. See as built plans.” Some of the drilled pier foundations have been installed to a depth of 18’ below grade. The removal of these foundations would require a large excavation to reach the
bottom and could undermine adjacent structures. Please provide clarification on the depth removal limit required of the existing foundations.

Response:
All pedestrian bridge foundations shall be removed and the piers shall be demolished to 3 feet below grade. Refer to Addendum 2, Drawings C2.00 and C3.00.

34) Question:
Drawing Sheet C2.00 General Work description: “Remove pedestrian bridge, supporting structure and piers. See as built plans.” The limit of work is directly on the bridge itself. Will of this work be required to be performed within its own footprint and not disturb areas outside of the limit of work as shown?

Response:
The limits of work shall be expanded around the existing pedestrian bridge to accommodate demolition equipment. However, Contractor shall be cautious not to damage nearby buildings and structures. Contractor will need to remove some trees and vegetation to accommodate demolition equipment. Where trees and vegetation are removed, Contractor to hydoseed said areas to protect against erosion. All bridge foundations shall be removed and the piers shall be demolished to 3 feet below grade. Refer to Addendum 2, drawings C2.00 and C3.00.

35) Question:
Drawing Sheet C2.00 General Work description North of Fire Lane:” Remove street lights and electrical conduits, see MEP Plans” The removals indicated here are outside the limit of work boundary. If these items are to be removed in their entirety, the fire lane would need to be closed, additional landscaping needs to be removed for access, and potential replacement landscape may be needed, if required. Please clarify the scope of work in the northern portion of the project for UG Utility removal.

Response:
The intent is to capture scope for conduits serving the removed street lights that are attached to existing Health Science Building. Refer to Addendum 2, Drawings C2.00 and E1.00. Demolition and related work outside the basic limit of work is the Contractor’s responsibility. Contractor’s means and methods can minimize partial or temporary closure of the fire access lane to demolish the pedestrian bridge or the limited work north of the fire access lane. Contractor will need to maintain personnel at all times for any equipment or vehicles on the fire access lane; so they could be removed immediately in the event of an emergency. Contractor to review any proposed temporary closure of the fire access lane with the Fire District and District to obtain permission and to ensure compliance with the requirements of the Fire District and District’s contract documents.

36) Question:
Drawing Sheet C2.00: This drawing indicates the locations of the utility line removal. It was stated that we are to assume that the lines would be asbestos containing. However, certain lines and conduits would not be; IE Electrical conduits. Which lines are to be assumed asbestos containing and removes the proper handling of said lines?
Response:
See Addendum 2, which clarifies what underground utilities contain asbestos materials and that will have to be abated pursuant to the requirements of Division 2 specifications prepared by Terracon.

37) Question:
Drawing Sheet C2.00, Note #10: Please provide location for said salvaged material. Onsite? Offsite? Upstairs? Downstairs? Equipment accessible? Vehicle accessible?

Response:
All Items are to be removed and there shall be no salvaged items, with the exception of the motorized screen in LA Room 100. See Addendum 2.

38) Question:
Drawing Sheet C3.00: We are in the process of performing the earthwork takeoff. Is it the intention of CCCCD to have the prime contractor include Import or export as required or does CCCCD not want to import/export and price accordingly so the site balances?

Response:
The Bidders shall assume a balanced site.

39) Question:
Drawing Sheet C3.00, Legend: The drawing indicates a legend item for the temp shoring design and construction. However, a location is not present on the drawings. Please clarify. Additionally, a design should be presented to allow all submitted bids to bid on an equal playing field. If a design cannot be presented, can CCCCD insert an allowance line item onto the bid form for unanticipated shoring and design?

Response:
See Addendum 2 revised drawings. Bidding Contractor to provide temporary shoring as shown on the plans and specification section 31 50 00.

40) Question:
Drawing Sheet C4.00: The plan indicates to hydroseed after completion of demolition activities and earthwork. However, CCCCD stated that the next increment would start thereafter. Does CCCCD wish for the site to be hydroseeded if work is taking place after demolition? Who is responsible for installation of irrigation to accommodate hydroseeding? Is there a particular hydroteed mixture type?

Response:
Bidders shall provide hydroteeding and irrigation as indicated in sheet C4.00, and any disturbed landscaping to meet the requirements of Contra Costa County watering establishment.

41) Question:
Drawing Sheet M1.0: Work states to cut and cap at the transformer room. Who is responsible for the disconnect of the line from the transformer as this is high voltage? Who is the owner of the transformer? PG&E?
Response:
The Contractor shall be responsible for the disconnect of the electrical lines from the existing transformer. Existing transformer voltage is 480/277 Volt. The transformer T9 shall remain energized with no interruptions as the Physical Science building and other buildings are being fed from transformer T9. CCCCD owns the transformer T9.

42) Question:
Is it possible to extend the bid day at least one week?

Response:
No change in Addendum 2. However, the District will make a final determination and issue a subsequent addendum if it decides to extend the date based on input from all the contractors bidding this work.

43) Question:
On sheet C2.00, it indicates to remove the bridge in its entirety. However, it indicates for all the landscaping to remain. To remove the bridge from the access rd, it will be necessary to remove all the landscaping between the access rd and the bridge.

Response:
Contractor to remove landscaping (trees and shrubs, etc.) as indicated on the plans to demolish the pedestrian bridge. Contractor to hydrol seed any areas where landscaping has been removed for erosion control purposes. See Addendum 2 revised drawings.

44) Question:
Has the engineer thought about leaving the shoring in place for the site grading and retaining wall installation?

Response:
Bidders shall assume that temporary shoring shall remain in place.
SECTION 01140
WORK RESTRICTIONS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS
   A. All Contract Documents shall be reviewed for applicable provisions related to the provisions in this document, and provisions in the General Conditions and other Division 1 Specification Sections shall apply to this Section without limitation.

1.2 SUMMARY OF WORK RESTRICTION REQUIREMENTS
   A. Prior to the start of Work, Contractor shall familiarize itself with the Work Restrictions as they relate to all Work required by the Contract Documents.

   B. Temporary Work Activity Plan shall include:
      1. Full size drawing (36”x42”) of site plan showing the proposed locations and dimensions of temporary facilities and activities, including but not limited to, all proposed trailers, equipment and material storage areas on the Project Site; safe and ADA complaint access (ingress/egress) for pedestrians and vehicles around the construction areas; proposed haul routes; all temporary construction, and way-finding signage; temporary fenced area(s), noise and safety barriers, and dust partitions; and temporary measures to maintain continuous and uninterrupted code compliant use of all occupied and surrounding areas impacted by construction activities. Identify any areas that require temporary paving for stabilization or prevention of tracking of mud, and for ADA complaint ingress and egress. Indicate if the use of supplemental or other staging areas might be required. Also see Section 01500 Temporary Facilities and Control for additional requirements.

      2. Contractor shall submit two (2) hard copies at the pre-construction meeting, and email Adobe PDF Format of the initial submittal of the Temporary Work Activity Plan for review by the District, Architect, and by personnel from the Campus (e.g., Buildings & Grounds, Police Department, and other representatives).

   C. Contractor shall construct dust partitions and other barriers as required prior to the start of abatement or demolition activities, whichever may occur first, and they must remain in place until the completion of that activity where required.

   D. Contractor shall perform and complete all Temporary Work Activities to ensure the following:
      1. The continuous and uninterrupted use of all occupied areas or areas within buildings that require 24/7 utility services, including but not limited to the applicable power, data, telephone, waterline, fire alarm system, fire sprinkler system mechanical, HVAC, gas, storm, sewage, plumbing, and electrical systems serving these areas.

      2. Protection of students, staff, faculty and personnel in occupied areas and surrounding and adjacent areas from the hazards and dust associated with construction.

      3. The work areas, roads, parking lots, and streets are to be kept clear, clean, and free of loose debris, construction materials and partially installed work which would create a safety hazard or interfere with subcontractor and personnel duties and traffic. The Contractor shall sweep the areas clean at the end of each work day and make every effort to keep dust and noise to a minimum at all times.
4. Prior to starting work, the Contractor shall provide a proposed schedule of temporary interruptions or shutdown of any utility or electrical/mechanical systems to the District Representatives. The Contractor shall provide written request (5) working days prior to the desired time for the proposed interruption(s). Work shall be performed at times other than the Campus’s normal hours of operation, or as directed by the District’s Representative. Temporary interruptions shall be completed prior to the start of the next business day at the Campus to maintain continuous and uninterrupted use of Campus facilities and utility systems.

1.3 SUMMARY OF WORK RESTRICTIONS

A. General: All Temporary Work Activities must be completed within the timelines, work shift times, and the scheduled time period as required by the Contract Documents. Comply with the following:

1. The Temporary Work Activity Plan shall be approved by the District prior to any Work starting on the Project Site.

2. Contractor shall have all temporary fencing, signage, ADA compliant pathways and other temporary measures described in Paragraph 1.2 above installed, operational and accepted by the District prior to starting abatement and demolition or other Work as applicable.

B. Time Related Work Restrictions within the Contract Time

1. Although the Contract Time is a total of 211 calendar days between the Notice to Proceed and Substantial Completion, as articulated in Section 00600, Construction Agreement, Work by the Contractor is restricted and limited to specific time periods at specific locations during this contract duration as follows:

1.1 Commencement of Work on the Project Site: The Contractor cannot and shall not start any Work on the project site until Monday, July 9, 2018, unless the District provides written approval. The time between the Notice to Proceed and commencing Work on the project site shall be used for completing all off-site requirements (e.g. obtain approval of the Temporary Work Activity Plan; transmittal of all required submittals; submittal and approval of the CPM schedule; etc.)

1.2 Between July 9th and July 26th, the Contractor shall maintain continuous pedestrian access to and from the Health Sciences Building for both level one and level 2. The access shall be to the main path of travel adjacent to the AA Building. In addition, the Contractor can only perform abatement and demolition work inside the LA Building. No exterior abatement or demolition work on the exterior buildings or on the project site will be allowed unless approved in advance by the District as part of the approval process of the Work Activity Plan.

1.3 Between July 27th and August 25th, the Contractor shall perform abatement and demolition work Monday through Saturday. The Contractor’s efforts shall focus on exterior building abatement work, the pedestrian bridge demolition work and building demolition work, with an emphasis on the Health Sciences building, to mitigate the amount of noise generation activities after August 25th. If the Contractor cannot demolish the Health Science Building during this time frame, the Contractor shall schedule the demolition of this building to commence on Friday, September 28th,
Saturday September 29th since September 28th is a College holiday, unless otherwise approved in writing by the District.

1.4 **August 24th All College Day:** The Contractor will only be allowed to perform work within the LA and HS buildings. No work outside the buildings will be allowed that generates noise, as this is a very active day on campus with a lot of campus festivities.

1.5 **Saturday Work after August 25th:** Contractor shall include in its bid working on September 15th, September 22nd, September 29th and two additional Saturdays to be designated at a later date, upon consultation with the District and College, which the emphasis on performing work that will be impactful to college activities. Work on said Saturdays is reserved for either noisy activities that will be impactful to college activities and critical path and near critical path activities shown on the Contractor’s approved CPM schedule. Near critical path activities is defined for the purposes of this section as Work having less than 5 work days of total float.

1.6 **Sunday Work:** Work on Sunday is not allowed, unless otherwise approved by the District.

1.7 **Finals Week:** The Contractor shall not work between December 10, 2018 and December 15th unless otherwise approved by the District/College, as this is finals week and noise generation activities will not be permitted.

2. The Contractor is responsible for its own means and methods to comply with these work restrictions, and to submit its schedule in accordance with Section 00700, Article 3.8.

C. **Other Project Requirements and Restrictions**

1. The Contractor’s staging area for trailers, construction vehicles, construction equipment and materials is restricted to the general area within the temporary construction fencing shown on Drawing C5.00. The Contractor will be provided an additional six (6) parking spaces, if needed, outside of this area, but within 200 yards from the area enclosed by the temporary construction fencing. Contractor is responsible for obtaining parking passes from the Campus Police Services. Additional parking may be made available near Parking Lot 16, if needed.

2. **Due to the one lane vehicular road north of the buildings to be demolished, the Contractor is cautioned not to attempt to drive the wrong way on this road. Violators will be ticketed by the Campus Police Services.**

3. Truck traffic, material deliveries and equipment deliveries on this one-way road to the project site shall be closely monitored and controlled by the Contractor to avoid any delays to other vehicles using this road by faculty and students. The Contractor shall include delivery milestones in its Project CPM Schedule, and provide written notice at least two (2) work days to the District and to the Police Services for all deliveries. Any material or equipment deliveries that could potentially delay traffic on this one-way road will have to be delivered after normal business hours, unless otherwise approved by the District. Contractor truck deliveries that stop traffic on this road or other roads on Campus could be subjected to being ticketed by the Campus Police Services.

4. **Truck Hauling Routes.** Obtain City of San Pablo approval for preferred construction traffic routing over public streets and/or other construction truck access and egress from public streets to the Site. Contractor shall avoid routing trucks through residential areas. Prohibit
mobilization and demobilization of heavy construction equipment and trucks on residential streets. No construction truck access or egress is permitted on Mills Avenue.

PART 2 - PRODUCTS

2.1 MATERIALS

A. All labor, equipment, materials, and all other requirements shall be provided and will be the sole responsibility of the Contractor for execution of entire work described in this specification section.

PART 3 - EXECUTION

3.1 MEANS AND METHODS OF CONSTRUCTION

A. Contractor to provide and shall be responsible for any and all means and methods that will be constructed, implemented and/or maintained on the site for all work described above.

END OF SECTION 01140
SECTION 01500
TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. All Contract Documents shall be reviewed for applicable provisions related to the provisions in this document, and provisions in the General Conditions and other Specification Sections shall apply to this section without limitation.

1.2 REQUIRED TEMPORARY FACILITIES AND CONTROLS
A. Contractor shall provide and maintain all temporary facilities, utilities, and controls as required to perform the Work and as required herein. Materials, installation, and maintenance of temporary utilities and facilities shall be in compliance with all applicable local and State regulatory requirements. Remove temporary utilities and facilities, including associated materials and equipment, when no longer required. Restore and recondition existing facilities used during construction and areas of the Site, roads, driveways, parking lots, landscaping, and any other existing improvements either damaged or disturbed by the installation of temporary facilities or utilities to their original condition. Remove and properly dispose of debris resulting from removal and reconditioning operations.

B. Contractor shall furnish and install requirements for temporary utilities, facilities, security, and protection, which include but are not limited to the following:

1. Temporary Electric Power and Lighting
   a. The District will make available existing electric power sources in its distribution system to facilitate the Contractor’s completion of the Work. However, the installation and removal of all temporary distributions of power to these existing facilities throughout the Site shall be the sole responsibility of the Contractor without adjustment to the Contract Sum or the Contract Time. The Contract Sum shall not be adjusted on account of any disruption, reduction or elimination of electrical power service to the Site, unless the same is caused by the District’s non-payment of undisputed utility charges for such electrical power service. Contractor shall provide power outlets for construction operations, with branch wiring and distribution boxes located as required to complete the Work.
   b. Contractor shall provide and maintain electrical power at the Site for construction purposes, for temporary facilities and trailers, and for any other site offices or trailers required by the Contract Documents. Contractor shall provide all necessary wiring and appurtenances for connection to District’s system. Connect to District power at location(s) as directed by District.
   c. Contractor shall provide and maintain distribution of temporary electrical power and lighting to the Work, and for use by the Project Inspector and District Project Manager where applicable.
   d. Contractor shall provide temporary power main service disconnect and over current protection at convenient locations and as required by governing codes.
e. The Contractor shall be responsible for providing temporary facilities as required to deliver power service from the point of connection to the point(s) of intended use.

f. Contractor shall verify characteristics of District power available for temporary service use and provide all transformers and/or other equipment necessary to modify District power for temporary use by the Contractor. Contractor shall pay all costs associated with any necessary modifications to District power for temporary use on the Work.

g. The Contractor shall provide, install, and maintain temporary electrical lighting wherever necessary to provide illumination for the proper performance and/or observation of the Work.

2. Temporary Communications/Telephone

a. Contractor is not required to provide a field office on the project site but shall provide a full-time superintendent on site at all times work by the Contractor or its subcontractors is occurring at the project site. The Contractor’s Superintendent shall have a cell phone in their possession any time this person is at the project site. The cell phone shall have voicemail capability. Also see Section 01311, Project Management and Coordination, Article 1.11A regarding the requirement for the Contractor to use the District’s EADOC Construction Management Software

b. Not Used.

c. Not used.

d. Not used.

e. Not Used.

f. Not Used.

3. Temporary Water

a. The District will furnish and pay for water during the course of the work to the extent water is available on the Site. The Contractor shall be responsible for providing all temporary facilities required to deliver District water from the point of connection to point of intended use on the Project.

b. Contractor shall be allowed to utilize water from the District for domestic use only. Water shall not be provided nor used for dust control, street cleaning, cleaning tools, soil compaction, or vehicle washing. Water used for such purposes shall be provided by the Contractor at its expense.

c. Contractor shall provide and maintain necessary temporary water supply connections, pipes, hoses, nozzles, and fittings required. Before final acceptance, all temporary water supply components installed by Contractor shall be removed in a manner approved by District’s Representative.

d. Unnecessary waste of water will not be permitted. Special hydrant wrenches shall be used for opening and closing fire hydrants, in no case shall pipe wrenches be used for this purpose. Contractor shall obtain written approval and pay all required fees of governing agencies having jurisdiction (e.g., EBMUD and Contra Costa County Fire Protection District (CCCFPD)) prior to using any fire hydrant water on or off Contra Costa Community College District property.
e. Contractor shall provide and use backflow preventers on water lines at point of connection to any District water supply. Backflow preventers shall comply with requirements of California Uniform Plumbing Code. The installation and removal of all temporary backflow preventers on the Site shall be the sole responsibility of the Contractor without any adjustment to either the Contract Sum or the Contract Time. Before final acceptance, all temporary connections and piping installed by Contractor shall be removed in a manner approved by District’s Representative.

f. Contractor shall provide and make potable water available for human consumption. Contractor shall provide and maintain suitable quality water service required for construction operations.

4. Temporary Fences
   a. Temporary Fencing: Contractor shall provide temporary fencing around the project site as shown on Drawing C5.00 for public safety, security and protection. Provide chain link fencing not less than six (6) feet in height, complete with metal posts and required bracing, anchorage, visual screening (green), and with truck and pedestrian gates. All vehicle and pedestrian gates and openings shall have gates secured after hours of operation. Caution. The project site is subject to very high winds and the Contractor shall be responsible for securing temporary fencing to withstand said high winds, especially considering the adjacent pedestrian paths of travel. Contractor shall provide fencing in a manner that will prevent people and animals from easily entering site except by entrance gate. Contractor is also responsible for installing temporary fencing beyond what is shown on Drawing C5.0 when demolishing the pedestrian bridge (e.g., will need to install temporary fencing between the Physical Sciences Building and the fire access road to prevent access from the west side of the project site.

   b. Contractor shall provide padlocks used for securing all gates. Padlocks shall be designed to prohibit cutting of shackle. Contractor shall coordinate keying strategy with District and the Contra Costa County Fire Protection District.

   c. Contractor shall be responsible for locking gates and shall be secured with minimum 3/8-inch-thick, 30 grade coil chain, minimum 5/16-inch cable. Gates shall be kept closed and locked at all times when not in use.

   d. All existing fences affected by the Work shall be maintained by Contractor until Final Completion of Project. Fences which interfere with construction operations shall not be relocated or dismantled until District gives written permission to do so, and the timing of fence relocation or dismantling has been agreed upon. Where fences must be maintained across the construction easement, adequate gates shall be installed.

   e. Contractor will be responsible for maintaining security by limiting number of keys and restricting distribution to authorized personnel.

   f. Security Enclosure and Lockup: Install substantial temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft and similar violation of security.

   g. Contractor shall provide secure lockup for stored materials and equipment which are of value or attractive for theft.
h. Contractor shall be responsible for project security for materials, tools, equipment, supplies and completed and partially completed Work.

i. On completion of the Work across any tract of land, Contractor shall restore all fences to their original or to a better condition, and to their original locations.

j. **Lease Period:** Contractor shall procure the lease of the temporary fence for a period of three years and pay for all three years as part of this Contract. The lease shall be assignable to the subsequent contractor that will perform the work related to Increment 1, Sitework and Grading, who will assume responsibility of the lease and condition of the temporary fencing prior to Final Completion. Any damage to the temporary fencing caused by Contractor shall be repaired to the satisfaction of the fencing company prior to the Increment 1 Contractor assuming responsibility. *The Contractor shall assign the lease agreement to the District in the event the Increment 1 Contractor has not yet been hired by the District at the time of Final Completion of Increment 0.*

5. **Temporary Protection of Public and Private Property**
   a. Contractor shall protect, shore, brace, support and maintain all existing underground utilities including but not limited to the following: all pipes, conduits, drains and other underground construction uncovered or otherwise affected by construction operations.
   b. All pavement, surfacing, driveways, curbs, walks, buildings, utility poles, guy wires, fences and other surfaces structures affected by construction operations, together with all sod and shrubs in yards, planting areas, and medians, shall be restored to their original condition, wherever affected by construction operations. All replacements shall be made with new materials.
   c. Contractor shall be responsible for all damage to streets, roads, highways, shoulders, ditches, embankments, culverts, bridges and other public or private property, regardless of location or character, which may be caused by transporting equipment, materials, or workers to or from the Work, Site or any part thereof, whether by Contractor or Subcontractors. Contractor shall be solely responsible without adjustment of the Contract Sum or the Contract Time to make satisfactory and acceptable arrangements with the District, or the agency or authority having jurisdiction over the damaged property, concerning its repair or replacement or payment of costs incurred in connection with the damage.
   d. All fire hydrants and water control valves shall be kept free from obstruction and available for use at all times.

6. **Temporary Sanitary Facilities**
   a. Contractor shall provide and maintain temporary sanitary toilets for use of all workers throughout the course of the Work. At a minimum, sanitary facilities shall be located at the trailer site, Contractor staging area(s) and adjacent to Work areas.
   b. Sanitary facilities shall be of reasonable capacity, properly maintained throughout the Project, and obscured from public view to the greatest practical extent. If toilets of the chemically treated type are used, at least (1) toilet will be furnished for each (15)
persons. Contractor shall enforce the use of such sanitary facilities by all personnel at the Site.

c. Contractor shall comply with all minimum requirements of the Contra Costa Health Department or other public agency having jurisdiction.

d. Maintain temporary facilities in a sanitary condition at all times during the Project.

e. Contractor will keep sanitary facilities free from graffiti.

f. Use of toilet facilities in the Work under construction shall not be permitted.

g. Contractor is not permitted to use existing Campus toilet facilities.

h. All Portable toilets shall be located within fenced areas of the Project Site

i. Contractor shall be responsible for providing access to the temporary toilet facilities.

7. Temporary Barriers and Enclosures

a. Contractor shall provide barriers to prevent unauthorized entry to construction areas to allow for District’s use of the Site, and to protect existing facilities and adjacent improvements from damage during construction operations.

b. Contractor shall provide barricades as required by the Contract Documents, governing agencies, and/or field conditions to protect public access pathways to existing buildings scheduled to remain open during any Phase of the Work.

c. Contractor shall provide and maintain temporary enclosures to prevent public entry to any construction area, and to protect all persons using other existing buildings and portions of the Site and/or Premises Contractor shall maintain safe access to all existing facilities to remain in operation during any phase of the Work.

8. Temporary Pollution Control

a. Contractor shall prevent the pollution of drains and watercourses by sanitary wastes, sediment, debris and other substances resulting from construction activities. No sanitary wastes shall be permitted to enter any drain or watercourses other than sanitary sewers. No sediment, debris or other substance shall be permitted to enter sanitary sewers without authorization of the receiving sanitary sewer service and all possible Best Management Practices (BMPs) shall be taken to prevent such materials from entering any drain to watercourse. Rate of discharge for storm water may be not increased by the Project during or following construction.

b. In the event that dewatering of excavations is required, Contractor shall obtain the necessary approval and permits for discharge of the dewatering effluent from the local jurisdiction. Contractor shall be responsible for assuring that water quality of such discharge meets the appropriate permit requirements prior to any discharge.

c. Contractor shall comply with the District’s Storm Water Pollution Prevention Plan, which is applicable for this Project.

9. Construction Aids

a. Contractor shall furnish, install, maintain and operate all construction aids as required for the performance of the Work. Such construction aids include, but are not limited
to, elevators and hoists, cranes, temporary enclosures, swing staging, scaffolding, and temporary stairs.

10. **Erosion Control**
   a. Contractor shall comply with the District Storm Water Pollution Prevention Plan for this Project.
   b. Contractor shall prevent soil erosion on the Site and adjacent property resulting from its construction activities to the maximum extent practical, including implementation of Best Management practices. Effective measures shall be initiated prior to the commencement of clearing, grading, excavation or other operations that will disturb the natural protection.
   c. Work shall be scheduled to expose areas subject to erosion for the shortest possible time and natural vegetation shall be preserved to the greatest extent practicable. Temporary storage, temporary construction buildings and temporary Field office buildings shall be located, and construction traffic routed to minimize erosion. Contractor shall provide temporary fast-growing vegetation or other suitable ground cover shall be provided as necessary to control runoff.

11. **Vehicular and Pedestrian Traffic Controls**
   a. The Campus is an active site, with vehicular and pedestrian traffic occurring at all times of the day and all days of the week. Contractors shall coordinate with District’s Representative concerning vehicular traffic associated with the construction to minimize disruption to campus operations. Delivery trucks and large equipment shall enter the Contractors access gate and shall use the route mutually agreed upon between District and Contractor. Contractor shall provide signage directing construction and delivery traffic to this gate. Contractor shall provide information regarding sign types, size, material, text and locations to be reviewed and approved by the District Representative, and the Campus prior to installation. See Article 12 below for additional requirements, and Section 01140, Work Restrictions for additional requirements for vehicular access, traffic control and related restrictions and requirements.
   b. Contractor shall keep all required Fire District (CCCFPD) and emergency vehicle access paths free from obstruction at all times during the Project. See Drawing C5.00 for the location of the existing fire lane. The Contra Costa County Fire Protection District requires unobstructed access along this road at all times and will require keys to the Contractor’s temporary fence gates. The Contractor will not be allowed to park vehicles along the fire lane, nor be allowed to store any materials or equipment that obstructs the path of travel by the Fire District (CCCFPD), unless approved in writing by both the Fire District and the District.
   c. **Northeast Entrance to Construction Site.** The Northeast Entrance to the construction site is anticipated to be heavily traveled by pedestrian traffic (students and faculty) and Contractor truck traffic. Consequently, Contractor shall include automatic flashing safety warning signs on both sides of the northeast gate, pedestrian crosswalk striping and signage to provide a safe path of travel on the asphalt to and from the AA Building from the upper campus area along the existing road. Contractor shall also provide a flag person, at all times, truck traffic is entering
or existing the Northeast Entrance. Contractor shall provide a plan for review and approval by the District prior to the installation of the temporary fencing and gate in this general location. Contractor shall anticipate, and include in their bid, curb cuts, regrading driveways and walkways in some areas to accommodate pedestrian and vehicular traffic, including Contractor’s ingress and egress to the project site.

12. **Temporary Signage**
   a. Sign must be reviewed and approved by the District and the Campus prior to installation. Contractor shall use an experienced sign company to produce all temporary signs. Install signs where indicated in Contract Documents, and/or as required by the District. Unauthorized signs are not permitted.
   b. Contractor shall provide temporary directional way-finding signs around the Project site to guide faculty, students, and visitors to safely navigate around construction activities at the Project site and to warn faculty, students, and visitors of potential safety hazards. Contractor shall provide a minimum of 15 wayfinding signs on metal posts to match existing at the Project Site, or on fencing or other structures as approved by the District. A sample way-finding sign is attached at the end of this section that provides basic dimensions, materials, backgrounds and related information. However, final proposed signs by Contractor shall be reviewed and approved by the District and Campus prior to fabrication and installation.
   c. In addition too way-finding signs, additional safety sign types shall include, but not be limited to: Danger/Construction Area/No Trespassing; Caution/Demolition Work in Progress; Do Not Enter/Authorized Personnel Only; Warning/Hard Hat Required Beyond this Point; Eye Protection Required Beyond this Point; Danger/Flammable Materials/ No Smoking Within 25 Feet; Danger/Keep Gate Closed; Caution/Laser Operation in Use; Caution/Overhead Work in Progress; Power Actuated Tools in Use; All Visitors Report to Job Trailer; Eye Wash Station; Authorized Access Only; Danger/No Trespassing; Caution/Construction Traffic; Caution/Pedestrian Traffic; Building Closed, and Contractor Deliveries. All signs shall be in both English and Spanish; and shall be in a quantity required and applicable as approved by the District. A sample safety sign type is attached at the end of this section for general guidance, but final proposed signs by Contractor shall be reviewed and approved by the District and Campus prior to fabrication and installation.
   d. Contractor shall maintain and touch-up signs, so they are legible at all times.

13. **Temporary Heat and Ventilation**
   a. Provide temporary heat as required to maintain adequate environmental conditions to facilitate progress of the work, to meet specified minimum environmental conditions for the Work and to protect materials and finishes from damage due to improper temperature and humidity conditions.
   b. Portable heaters shall be standard units complete with controls, appropriate safety features, and bear testing lab approval markings.
c. Provide adequate forced ventilation of enclosed areas as required for proper installation and curing of materials, to disperse humidity, and to prevent hazardous accumulations of dust, fumes, vapors and gases.

d. HVAC Equipment: Unless District authorizes use of permanent HVAC system, provide vented, self-contained, liquid-propane-gas or fuel-oil heaters with individual space thermostatic control.

   i) Use of gasoline-burning space heater, open-flame heater or salamander-type heating units is prohibited.

   ii) Heating Units: Listed and labeled for type of fuel being consumed, by a testing agency acceptable to authorities having jurisdiction and marked for intended use.

14. Temporary Lighting

   a. In addition to maintaining existing exterior light poles and lighting during the course of construction, the Contractor shall install temporary LED lighting every eight feet along the temporary fencing on 2x4 wood posts secured to the temporary fencing adjacent to pedestrian paths of travel on the west, east, and south sides of the project site, plus along the northeast main entrance. Contractor shall submit its temporary lighting plan for review and approval by the District. Contractor shall procure said temporary lighting for the Project and it shall become the property of the District at Substantial Completion.

PART 2 – PRODUCTS

2.1 MATERIALS - Not used

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

   A. Locate Contractor facilities where they will serve Project adequately and result in minimum interference with performance of Work. Relocate and modify facilities as required by progress of the Work during entire project including all phases of project.

   B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

   C. Contractor shall verify and coordinate all relocation of facilities with the District Construction Manager.

3.2 OPERATION, TERMINATION AND REMOVAL

   A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.

   B. Maintenance: Maintain facilities in good operating condition until removal.

      1. Where appropriate, maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion and acceptance by the District.

D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use a permanent facility or no later than Final Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces and replace construction that cannot be satisfactorily repaired.

1. Materials and facilities that constitute temporary facilities are property of Contractor. District reserves the right to take possession of Project Identification signs, if any, at no cost to the District.

2. Remove temporary paving not intended for or acceptable for integration into permanent paving. Where area is intended for landscape development, remove soil and aggregate fill that do not comply with requirements for fill or subsoil. Remove materials contaminated with road oil, asphalt and other petrochemical compounds, and other substances that might impair growth of plant materials or lawns. Repair or replace street paving, curbs and sidewalks at temporary entrances, as required by authorities having jurisdiction.

3. Clean and renovate permanent facilities used during construction period prior to Final Completion.

END OF SECTION 01500
## LEED v4 for BD+C: New Construction and Major Renovation
### Project Checklist

**Location and Transportation**

1. **Credit 1** Y Prereq Required: LEED for Neighborhood Development Location 16
2. **Credit 2** Y Prereq Required: Sensitive Land Protection 1
3. **Credit 2** Y Prereq Required: High Priority Site 2
4. **Credit 5** Y Prereq Required: Surrounding Density and Diverse Uses 5
5. **Credit 5** Y Prereq Required: Access to Quality Transit 5
6. **Credit 1** Y Prereq Required: Bicycle Facilities 1
7. **Credit 1** Y Prereq Required: Reduced Parking Footprint 1
8. **Credit 1** Y Prereq Required: Green Vehicles 1

**Sustainable Sites**

1. **Credit 1** Prereq: Construction Activity Pollution Prevention Required
2. **Credit 2** Prereq: Site Development - Protect or Restore Habitat 2
3. **Credit 1** Prereq: Open Space 1
4. **Credit 2** Prereq: Rainwater Management 2
5. **Credit 1** Prereq: Heat Island Reduction 2
6. **Credit 1** Prereq: Light Pollution Reduction 1

**Water Efficiency**

1. **Credit 1** Prereq: Outdoor Water Use Reduction Required
2. **Credit 3** Prereq: Indoor Water Use Reduction Required
3. **Credit 3** Prereq: Cooling Tower Water Use Required
4. **Credit 2** Prereq: Water Metering 2

**Energy and Atmosphere**

1. **Credit 6** Prereq: Fundamental Commissioning and Verification Required
2. **Credit 12** Prereq: Minimum Energy Performance Required
3. **Credit 6** Prereq: Building-Level Energy Metering Required
4. **Credit 1** Prereq: Fundamental Refrigerant Management Required
5. **Credit 6** Prereq: Enhanced Commissioning 6
6. **Credit 12** Prereq: Optimize Energy Performance 18
7. **Credit 1** Prereq: Advanced Energy Metering 1
8. **Credit 1** Prereq: Demand Response 2
9. **Credit 3** Prereq: Renewable Energy Production 3
10. **Credit 1** Prereq: Enhanced Refrigerant Management 1
11. **Credit 2** Prereq: Green Power and Carbon Offsets 2

**Materials and Resources**

1. **Credit 0** Y Prereq: Storage and Collection of Recyclables Required
2. **Credit 5** Y Prereq: Construction and Demolition Waste Management Planning Required

**Indoor Environmental Quality**

1. **Credit 14** Y Prereq: Minimum Indoor Air Quality Performance Required
2. **Credit 5** Y Prereq: Environmental Tobacco Smoke Control Required
3. **Credit 2** Prereq: Enhanced Indoor Air Quality Strategies 2
4. **Credit 5** Prereq: Low-Emitting Materials 3
5. **Credit 1** Prereq: Construction Indoor Quality Management Plan 1
6. **Credit 1** Prereq: Indoor Air Quality Assessment 1
7. **Credit 1** Prereq: Thermal Comfort 1
8. **Credit 2** Prereq: Interior Lighting 2
9. **Credit 2** Prereq: Daylight 3
10. **Credit 1** Prereq: Quality Views 1
11. **Credit 1** Prereq: Acoustic Performance 1

**Innovation**

1. **Credit 1** Prereq: Innovation 5
2. **Credit 1** Prereq: LEED Accredited Professional 1

**Regional Priority**

1. **Credit 2** Prereq: Regional Priority: Optimize energy performance - 10pts. Min. reqd 1
2. **Credit 1** Prereq: Regional Priority: Access to quality transit - 5pts. Reqd 1
3. **Credit 1** Prereq: Regional Priority: Rainwater management - 3pts. Reqd 1
4. **Credit 1** Prereq: Regional Priority: Indoor water use reduction - 4pts. Min. reqd 1

**Certified**:
- 40 to 49 points: **Silver**
- 50 to 59 points: **Gold**
- 60 to 79 points: **Platinum**

**Possible Points**: 110

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ADDENDUM
NOT TO SCALE

CONCRETE PILE REMOVAL
11/8/2017 1:26:57 PM
PROJECT NUMBER
ROUGH GRADING EARTHWORK
FOR TRENCHES INSTALLED IN EXISTING CONCRETE, THE CONCRETE MUST BE PLACE BELOW ELEVATION 65.0
FOR TRENCHES IN LANDSCAPE AREAS THAT CROSS HARDSCAPE, BACKFILL WITH 6" COMPACT TO 90%

CONTRACTOR SHALL SUBMIT TO THE DISTRICT A DETAILED TEMPORARY EXCAVATION SUPPORT
REPAIR ASPHALT TO MATCH PROPOSED FOOTINGS FOR TRUE ROUGH GRADING AND UTILITY LEGEND
ROUTE THROUGH EXTERIOR LIGHTING, SEE MEP PLANS CONNECT TO EXISTING STREET LIGHT POINT
PROTECT STORM DRAIN INLET, PROTECT UTILITY BOXES, REMAIN IN PLACE, TYP.
EXISTING PILES TO REMOVE BRIDGE PILE TO 75.0 unprotected 3-FEET BELOW
REMOVED 3-FEET BELOW 84.0 UN PROTECTED STORM DRAIN INLET, PROTECT UTILITY BOXES, REMAIN IN PLACE, TYP.
88.0 UN PROTECTED STORM DRAIN INLET, PROTECT UTILITY BOXES, REMAIN IN PLACE, TYP.
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1. NO SMOKING

2. CONTRACTOR TO MODIFY EXISTING FIRE HYDRANT

3. SEE NOTE 2

4. FIRE ACCESS IS TO BE MAINTAINED AT ALL TIMES

5. MITIGATE BEING LOCATED IN HIGH WIND AREA

CONCRETE BLOCKS OR GROUND MOUNTED BASE TO MINIMUM 6' IN HEIGHT. INSTALL FENCING WITH LARGE INSTALL BLOCKADE FENCING WITH GREEN SCREENING.