CONTRACT DOCUMENTS
FOR

C-4001 CAMPUS SAFETY CENTER
SITE WORK

at
CONTRA COSTA COLLEGE
2600 Mission Bell Drive, San Pablo, CA. 94806

CONTRA COSTA COMMUNITY COLLEGE DISTRICT

ADDENDUM #1

DSA File #7-C1
DSA Application #01-116949

ARCHITECT OF RECORD:
LPAS Architecture + Design
2484 Natomas Park Dr., Suite 100
Sacramento, CA 95833

March 7, 2018
CONTRA COSTA COMMUNITY COLLEGE DISTRICT
C-4001 CAMPUS SAFETY CENTER - SITE WORK
Contra Costa College

Date: March 7, 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 **February 9, 2018**. Acknowledge receipt of this Addendum in space provided on the Bid Proposal Form. Failure to acknowledge may subject Bidder to disqualification.

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A. Deletions, Additions, Changes, Revisions

Item: General

1. Meeting Minutes (attached)

2. Reports: The following reports have been posted to the District’s Open Solicitations web page - [http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx](http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx)
   a. Geotechnical Investigation Report Campus Safety Center - Contra Costa Community College, dated March 17, 2017

3. California Geological Survey approval letters: The following approval letters have been posted to the District’s Open Solicitations web page - [http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx](http://www.4cd.edu/webapps/PurchasingViewBids/default.aspx)

Item: Specifications

2. Replace: SECTION 00007 SEALS PAGE (attached)
   a. Replace existing SECTION 00007 SEALS PAGE, (2 pages) in its entirety, with the attached SECTION 00007 SEALS PAGE (2 pages).

3. Replace: SECTION 01010 SUMMARY OF WORK, Page 1 (attached)
   a. Replace existing SECTION 01010 SUMMARY OF WORK, Page 1, with the attached SECTION 01010 SUMMARY OF WORK, Page 1.

4. Add: SECTION 01010 SUMMARY OF WORK EXHIBIT B, Subgrade Clarification (attached)

5. Add: SECTION 31 23 00 EXCAVATION AND FILL, page 4, Item 2.1
   a. ADD: 2.1D All non-expansive engineered fill (import or native) shall meet the following requirements: Maximum particle size of 3 inches, 90% pass the 1-inch sieve, plasticity index 12 or less, liquid limit less than 30, percent passing the #200 sieve between 25% and 60%.

6. Delete: SECTION 31 23 00 EXCAVATION AND FILL, page 6, Item 3.8C
   a. DELETE: “in Appendix F”

7. Delete: SECTION 31 23 00 EXCAVATION AND FILL, page 7, Item 3.12B
   a. DELETE: “Appendix F of”

8. Revise: SECTION 31 23 00 EXCAVATION AND FILL, page 7, Item 3.12C
   a. Revise to read: “Perform compaction using rollers, pneumatic or vibratory compactors or other equipment and mechanical methods the contractor chooses to use to meet the various requirements specified in the Geotechnical Report.”

9. Add: SECTION 31 23 00 EXCAVATION AND FILL, page 7, Item 3.12D1
   a. Add: 3.12D1.a Reference to the compaction requirements are stated in section 6.5.5 of the Geotechnical Report.
   b. Add: 3.12D1.b The on-site soils used for engineered fill shall be placed in less than 8 inch lifts, and compacted between 88-92 percent relative compaction,
   c. Add: 3.12D1.c Imported non-expansive soils used for engineered fill shall be placed in less than 8 inch lifts, and compacted to at least 90 percent relative compaction.
   d. Add: 3.12D1.d The upper 12 inches of pavement subgrade shall be compacted to at least 95 percent relative compaction.

Item: Drawings

1. Add:
   a. Sheet A1.11, Details B1, D1, F3, F5, H1, H7, K1, and K11
      Add: Compaction requirements are added, as specified in Section 6.5.5 of the Geotechnical Report: 88-92% for native clay soils, 90% for engineered fill, 95% upper 12” of pavement subgrade, and aggregate base 95%.
b. **Sheet C3.00**
   Add: Reference external flatwork detail specified in section 6.4.3 of the Geotechnical Report. External flatwork can be placed on 12 inches of imported non-expansive fill or lime treated soils as discussed in the Expansive fill section of this report.

c. **Sheet L1.00, Landscape Note No. 3**
   Add: Landscape areas, gradients shall be at least 5 percent toward area drains.

d. **Sheet L1.11, Details B1 and F1**
   Add: Compaction requirement as specified in Section 6.5.5 of the Geotechnical Report: 88-92% for native clay soils, 90% for engineered fill, 95% upper 12” of pavement subgrade, and aggregate base 95%.

2. **Change:**
   a. **Sheet S1.3, Detail No. 8 Over Excavation and Recompaction**
      Change: Detail No. 8 does not apply to grading.

**ATTACHMENTS:**
Pre-Bid Meeting Minutes
SECTION 00007 SEALS PAGE
SECTION 01010 SUMMARY OF WORK, Page 1
SECTION 01010 SUMMARY OF WORK, EXHIBIT B, Subgrade Clarification

**B. For questions regarding this Addendum, please contact:**

   Jovan Esprit, Contracts Manager
   Contra Costa Community College District
   500 Court St., Martinez, CA 94553
   Email: jesprit@4cd.edu;
   Facsimile: 925-370-7512
ADDENDUM #1

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

LPAS Architecture + Design
2484 Natomas Park Dr., Suite 100
Sacramento, CA 95833

Architect of Record: Troy Pennington

END OF ADDENDUM #1
MANDATORY C-4001 Campus Safety Center – Site Work PRE-BID MEETING

Date: February 22, 2018
Time: 1:30 p.m.
Location: Contra Costa College
Buildings and Grounds Department Conference Room
2600 Mission Bell Drive
San Pablo, CA 94806

I. **Project Team Members:** Ron Johnson introduced the project team members in attendance
   Ray Pyle, Chief Facilities Planner – Contra Costa Community College District
   Ines Zildzic, Associate Chief Facilities Planner – CCCCD
   Kathleen Halaszynski, Director of Construction Program Control – CCCCD
   Ben Azarnoush, District Design Director – CCCCD
   Jovan Esprit, Contracts Manager – CCCCD
   Edwin Silva, Inspector of Record (IOR) – Structures Group (SG)
   Ron Johnson, Project Manager – Critical Solutions, Inc. (CSI)

   **In Attendance:**
   Greg Smith, Sr. Construction Manager – CSI
   Jean-Luc Keita, Project Engineer – CSI
   Rich Abbot, Architect of Record (AOR) – LPAS Architecture + Design (LPAS)
   Bruce King, Buildings & Grounds Manager – Contra Costa College (CCC)

   A Sign-in sheet was circulated and collected by Jean-Luc Keita. It will be posted to the District’s webpage by the end of the day.

II. **Welcome and Introductory Remarks**
   - **Three Prime Contractors**
     Greg Smith noted there will be 3 prime contractors working together on the site.
   - **Public Safety, Noise and Parking**
     Public safety was stressed. Streets adjacent to the site are major campus thoroughfares. Parking is at a premium, so work shall not disrupt the use of campus lots.
   - **Project Stabilization Agreement**
     Project Stabilization Agreements do NOT apply to this project.
   - **EADOC Web-Based Construction Management System**
     The District is using the EADOC Web-Based Construction Management System. The Contractor and Architect are required to use this system. Limited on-line training will be provided, by EADOC, for the key users.

III. **Brief Project Description**
   A brief review of the scope of work for each prime contractor was given:
IV. **Scope of Site Work (See SECTION 01010)**

- Temporary Construction. Setting up and securing the site and providing temporary utilities and facilities is the site contractor’s responsibility for the duration of the project.
- Demolition, Grading and Paving. The expectation is the site will be completely cleared down to dirt, abandoned utilities removed, lime treated applied and a certified pad provided.
- Underground Utilities except for electrical are in the site scope
- Landscape & Irrigation is in the site scope
- Hardscape, Fencing and gates are in the site scope

V. **Project Work Restrictions (Section 01140)**

- Site Logistics Plan will be prepared by the site contractor. The contractor will stage its work within the limits of work area shown on the plans. Exceptions must be approved by the College in advance.
- Site Security, Protection and Access is contractor’s responsibility
- Utility Shutdowns must be scheduled with CM in advance
- Parking, Staging and truck traffic work plans are required in advance
- Fire Lanes and the adjacent streets must be kept open

VI. **Bid Phase Communications & Correspondence:**

All questions related to this Project must be in writing and directed to:

**Jovan Esprit, Contracts Manager**  
Contra Costa Community College District  
500 Court St., Martinez, CA 94553  
Email: jesprit@4cd.edu  
Facsimile: 925-370-6517

VII. **Addenda Update:**

Contractors should reach out to sub-trades and suppliers quickly as the window for RFI is very short. The last addendum be issued 3/6. Bid period is short. Remember to acknowledge receipt of all ADDENDA on the Bid Proposal Form (Section 00300)

VIII. **Bid Phase Schedule Milestones**

- Last day for RFI: ......................February 27, 2018, prior to 5:00 p.m.
- Last Addendum Issued: ........March 6, 2018
- **Bid Opening:**.................March 13, 2018, 2:00 p.m.
- Award of Contract: ..............March 30, 2018 (approximate)
- Notice to Proceed...............April 6, 2018 (approximate)

IX. **Bid Opening:**

*Bids must be received at the Contra Costa Community College District Office, 500 Court St, Martinez, CA, by March 13, 2018, prior to 2:00 PM.*
• There are 4 bid packages being submitted on March 13, 2018.
  a. Los Medanos College, Campus Safety – Site Work 11:00 am
  b. Los Medanos College, Campus Safety – Electrical and Low Voltage 1:00 pm
  c. Contra Costa College, Campus Safety – Site Work 2:00 pm
  d. Contra Costa College, Campus Safety – Electrical and Low Voltage 3:00 pm
• Bids may be turned in early, but you must IDENTIFY THE PACKAGE YOU ARE BIDDING CLEARLY ON THE BID ENVELOPE.

• Greg Smith confirmed bids are due for this package, Campus Safety Center, Contra Costa College, Site Work no later than 2 pm as stated in the Notice Inviting Bids.
• 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 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 can be accepted, but no cash will 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
  • 167 Calendar Days to Substantial Completion (SC)
  • 35 Calendar Days between SC and Final Completion (FC)
  • Also see Project Work Restrictions, (Item IV, 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.

XIII. DSA (CA Division of the State Architect)
• Contractor must comply with all DSA requirements and reporting.
• Closely review SECTION 01015 ADDITIONAL REQUIREMENTS FOR DSA-APPROVED PROJECTS
XIV. Site Job Walk/ Field Presentation

- The meeting participants walked out the Construction Site to view the existing conditions, existing utilities and limits of work.
- The construction manager signed off individual Certification of Site Visit forms
# PRE-BID Meeting
## Sign-in Sheet

**PROJECT TITLE:** C-4001 CCC Campus Safety – Site Work Package

**DATE / TIME:** February 22, 2018 1:30 p.m.

**LOCATION:** Building and Grounds Conference Room, Contra Costa College

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<th>TITLE / ROLE IN THIS PROJECT</th>
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<tr>
<td>Rodan Builders Inc.</td>
<td>Cristian Mendoza</td>
<td>Project Engineer</td>
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<td>Office Phone</td>
<td>(650) 505-1700</td>
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<td>Patricia Ayalq</td>
<td>Bid Coordinator</td>
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<td>CLAS Architecture</td>
<td>Rich Abbott</td>
<td>Architect</td>
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<td>Office Phone</td>
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**PRE-BID Meeting**
**Sign-In Sheet**

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SECTION 00007
SEALS PAGE

ARCHITECT & LANDSCAPE ARCHITECT: LPAS Architecture + Design
2484 Natomas Park Dr, Ste 100
Sacramento, CA 95833
Troy Pennington
(916) 443-0335

STRUCTURAL ENGINEER: Orion Structural Engineering, Inc.
11305 Rancho Bernardo Rd, Ste 121
San Diego, CA 92127
Ryan J. Omer
(858) 679-1974

MECHANICAL ENGINEER: Cantelmi Engineering
2130 F Street
Bakersfield, CA 93301
Frank Cantelmi
(661) 324-5252

ELECTRICAL ENGINEER: Cantelmi Engineering
2130 F Street
Bakersfield, CA 93301
Karen Martinez
(661) 324-5252

PLUMBING ENGINEER: Cantelmi Engineering
2130 F Street
Bakersfield, CA 93301
Frank Cantelmi
(661) 324-5252

CIVIL ENGINEER: BkF Engineers Surveyors Planners
980 9th Street, Suite 1770
Sacramento, CA 95814
Jim McCurdy
(916) 556-5800

SITE ELECTRICAL ENGINEER: Canyon Consulting Engineers
3150 Hilltop Mall Rd., Ste. 18
Richmond, CA 94806
Antonio Mortera
(510) 520-8600
SECTION 01010
SUMMARY OF WORK

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 WORK DESCRIPTIONS WITHOUT FORCE
A. All general descriptions and/or general summaries of the work noted in this section, or elsewhere within the Contract Documents, are without force and effect on the Contract Work described and indicated in detail the Contract Documents. These general descriptions and summaries are for general reference and descriptive purposes only and in no way offer the complete and concise description of all the Work required by the Contract Documents.

1.3 WORK COVERED BY CONTRACT DOCUMENTS
A. The intent of the Contract Documents includes but is not limited to Site Work for construction of the Campus Safety Center located on Campus. This project includes work performed by multiple prime contractors. Other Work includes Site Electrical and Low Voltage and Modular Buildings. The work will be performed concurrently with this contract. The contractors are required to coordinate their work.

B. General site work and utility work including, but not limited to:
   1. Grading, paving, utilities and landscaping work.
   2. Temporary construction.
   3. Site Clearing and demolition.
   4. Grading, Lime treatment, and construction of a certified building pad. (SEE EXHIBIT B)
   5. Concrete and Asphalt Paving. (SEE EXHIBIT B)
   6. Underground Site utilities including storm and sewer with boxes, vaults and grates all connected to existing site utilities and stubbed to within 5 feet of the building.
   7. ADA improvements, signs, railings, miscellaneous site furnishing.
   8. Fine grading, removal of lime-treated soil from planting areas and topsoil import. (SEE EXHIBIT B)
   11. Parking bumpers, striping and signage.

C. The scope of work is further defined by assigning primary responsibility for each specification section to the Site Contractor, Electrical and Low Voltage Contractor (ELV) or Modular Contractor. Refer to the matrix at the end of this section titled Exhibit A. Note that Site Contractor and “Contractor” have the same meaning for the purposes of this contract.

   1. PRIMARY responsibility means that Contractor is responsible for performing all the work described in that section of the specifications.
2. RELATED responsibility means the assigned Contractor has a portion of the work described in a section where another contractor has PRIMARY responsibility. A general description of the related portion of work is included in this section.

D. The Site Contractor has PRIMARY responsibility for all work in the following specification divisions, and refer to the responsibility matrix and the following descriptions:

1. Division 2 – Demolition
   a. After site electrical is safed-off by the Electrical and Low Voltage (ELV) Contractor, the Site Contractor removes underground electrical conduit, boxes, pole bases, etc. scheduled to be demolished. Site Contractor will protect existing electrical to remain during grading operations and be responsible for the cost of any damage. Coordinate work with the Electrical and Low Voltage Contractor.

2. Division 5 – Metals
3. Division 31 – Earthwork
4. Division 32 – Exterior Improvements
5. Division 33 – Utilities

E. The Site Contractor has RELATED work in the following specification sections:

1. 13 1600 Prefabricated Modular Structures. The Site Contractor provides a certified building pad, survey reference points and site utilities stubbed to within 5 feet of the building. Site Contractor provides concrete paving adjacent to the building with sleeves for downspouts and other utilities as needed.

F. The Electrical and Low Voltage Contractor (ELV) has related work in sections where the Site Contractor has PRIMARY responsibility:

1. 024000: ELV Contractor shall safe off the site electrical before the Site Contractor begins site clearing and demolition.
2. 31233: The ELV Contractor will perform trench and backfill for electrical work only.
3. 320523: The ELV shall provide concrete for its new electrical work such as light pole bases. ELV includes providing anchor bolts and templates for its equipment set in site concrete.
4. 323113: The ELV Contractor shall provide power and data to the gates.
5. 328400: The ELV Contractor shall provide power and data to the irrigation controller.
6. 330516: The ELV Contractor shall provide electrical utility structures such as electrical boxes and vaults.

G. Each prime contractor has responsibility for work under Division 1 General Requirements as it pertains to its primary work. Refer directly to Specification Section 01500.

1. 01010 Field Engineering: The Site Contractor provides surveying and staking including control point staking for electrical underground utilities and offset staking for the modular building. The ELV Contractor must provide a written request for survey including all relevant information for survey of the underground electrical. ELV Contractor will coordinate layout with the surveyor. ELV Contractor is responsible for its layout from the survey control points provided.
2. 01500: The intent is that the Site Contractor will set up the site and establish and maintain temporary facilities including basic electrical service for use by all prime contractors. Each prime contractor shall be responsible for its own storage, trailer and communications.

3. 01505 Construction Waste Management: Site clearing, and demolition is the primary generator of waste for this project. Site Contractor provides dumpsters and manages the recycling program. ELV Contractor shall dispose of its own packaging for electrical equipment, material and other waste generated by ELV Contractor.

4. Each prime contractor will follow the work restrictions, provide its own quality control, closeout documents, demonstration and training, as it pertains to their work. All prime contractors will attend a weekly OAC meeting run by the District’s Construction Manager.

1.4 CONTRACTS

A. Perform the Site work under a single, fixed-price prime Contract. The ELV Contractor and Modular Buildings are separate bid packages excluded from this one. The work will be performed concurrently with this contract. The contractors will coordinate their work.

1.5 WORK SEQUENCE

A. The general sequence of work shall be as follows:
   1. The Site Contractor shall provide temporary facilities and controls.
   2. The Site Contractor shall complete rough grading and provide a certified building pad.
   3. The Site Contractor and ELV Contractor shall install site utilities.
   4. The Modular Contractor shall install under slab utilities and a concrete slab on grade.
   5. The Modular Contractor shall install modular units and connect them to site utilities. The ELV contractor shall connect the modular buildings to the electrical service.
   6. The Site Contractor shall fine grade and install paving, landscaping and fencing.
   7. The ELV Contractor will install low voltage systems in the building.

B. During construction operations, various adjoining areas will be occupied and their functions maintained. Temporary construction separations such as walls for sound and dust control, as well as pathway barricades, signage and clearly marked temporary pedestrian path of travel detours will be required to prepare the site for construction and site work are provided by the Site Contractor. ELV Contractor and the Modular Contractor will provide traffic control, as required for their own operations and scope of work.

C. Scheduling of Contractor's use of the areas and times involved shall be determined in cooperation with the District. Notify the District a minimum of 10-days prior to commencement of work.

D. Construction activities shall be performed between the hours of 7AM and 5PM, Monday through Friday, unless otherwise required. No Work shall be performed outside the above hours without prior written authorization from the District.
1.6 **ADDITIONAL WORK SCHEDULE REQUIREMENTS:** See Section 01140, Work Restrictions.

1.7 **CAMPUS HOLIDAYS**
A. The College is closed with no classes held on the following holidays: Labor Day; Native American Day; Veteran’s Day; Thanksgiving; Winter Recess; Martin Luther King Day; President’s Day; Spring Recess. The Contractor may work on these days with prior approval by the District.

1.8 **USE OF PREMISES**
A. Contractor shall only use the premises for work, storage, staging areas, and vehicular parking as designated in the Contract Documents.

1.9 **EXISTING AREA CONDITION SURVEY**
A. Prior to commencement of work, jointly survey the existing area to be remodeled with the District and Architect, noting and recording existing damage such as cracks, sags, and other damage (on Site Plan/Floor Plans).
B. This record shall serve as a basis for determination of subsequent damage to these items due to settlement, movement, demolition, or Contractor’s operations.
C. Existing damage observed shall be marked and the official record of existing damage shall be signed by the parties making the survey.
D. Cracks, sags, and damage to the area and other items not noted in the original survey but subsequently observed shall be reported immediately to the Architect.
E. Contractor shall take photographs or video recordings and submit these to the District for review of adequacy and approval in order to comply with this requirement.

1.10 **PROTECTION OF EXISTING STRUCTURES AND UTILITIES**
A. The Drawings may not show all existing water, gas, electrical, and hot water lines, and other items known or suspected to exist in the area of the work.
B. Contractor shall locate these installations before proceeding with demolition or other operations which may cause damage, maintain them in service where appropriate, and repair damage caused by the performance of the Work, at no increase in the Contract Sum.
C. In addition to notification, if a structure or utility is damaged, take appropriate action as specified in the General Conditions.

1.12 **USE AND OCCUPANCY OF WORK PRIOR TO ACCEPTANCE BY DISTRICT**
A. The District may use and occupy the building before formal acceptance under the following conditions:
1. A Certificate of Substantial Completion shall be prepared and executed as provided in the Contract Documents. The Certificate of Substantial Completion shall be accompanied by a written endorsement of the Contractor’s insurance carrier and surety permitting occupancy by the District during the remaining period of the work.
2. Occupancy by the District shall not be construed as being an acceptance of that part of the Work occupied.
3. The Contractor will not be held responsible for damage to the occupied part of the Work resulting from the District’s occupancy.

4. Occupancy by the District shall not be deemed to constitute a waiver of existing claims the District or Contractor may have against each other.


6. The District will pay for utility costs associated with occupancy during construction.

1.13 PROTECTION OF EXISTING IMPROVEMENTS

A. Provide barricades, coverings, or other types of protection necessary to prevent damage to existing improvements indicated to remain in place.

B. Protect improvements on adjoining properties as well as those on the District’s property.

C. Protect existing trees and other vegetation indicated to remain in place, against unnecessary cutting, breaking or skinning of roots, skinning and bruising of bark, smothering of trees by stockpiling construction materials or excavated materials within drip line, excess foot or vehicular traffic, or parking of vehicles within drip line.

D. Restore any improvements damaged by this work to their original condition as acceptable to the District or other parties or authorities having jurisdiction.

1.14 HAZARDOUS MATERIALS

A. Comply with all requirements included in other sections of Contract Documents.

1.15 MISCELLANEOUS PROVISIONS

A. Items shown, described or scheduled to be salvaged will remain the property of the District. Store as directed by the District Representative.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

END OF SECTION 01010
SECTION 01010
SUMMARY OF WORK
EXHIBIT B - SUBGRADE CLARIFICATION

The following documents refer subgrade with respect to the building, site paving and concrete work.

- Drawing C3.0     Grading Plan
- Drawing C.0     Details
- Drawing A1.01    Site Plan
- Drawing A1.11    Site Details
- Drawing A1.12    Site Details
- Specification 32 1100   Base Courses
- Geotechnical Report section 6.4.3 Exterior Concrete Flatwork
- Geotechnical Report section 6.5  Earthwork

The intent of these reference to “Subgrade” is clarified as follows:

Subgrade is the earth below the pavement or building slab section shown on the details. Subgrade preparation shall meet the requirements of the Geotechnical report sections 6.4.3 and 6.5 as a MINIMUM requirement. The following shall be specifically included in the Base Bid and provided at no additional cost to the District:

- **Building Pad**: The Lime Treatment Alternative described under Geotechnical Recommendations on Drawing C3.0 shall be included.
- **Exterior Concrete Flatwork**: Subgrade for external flatwork shall be placed on 12 inches of imported non-expansive fill or lime treated soil. As described in the Geotechnical report section 6.4.3 Exterior Concrete and 6.5.1 Expansive Soils.
- **Asphalt and Concrete Pavement**: A schedule on Drawing C2.0 shows paving sections. Provide lime stabilization specified in section 32 1100 paragraph 3.6. for subgrade beneath the pavement sections.
- **Planting Areas**: Lime treated soil shall be removed from landscape planters per note 10 on Drawing L1.0 and replaced with topsoil per notes 4 and 5.
  - Provide a barrier to prevent leaching when lime treated soils are within 5” of a planted area. This occurs at the landscape planter north of the building (see detail B3/A1.11)
  - Subgrade for pavement immediately adjacent to landscape areas may use imported engineered fill options described on C3.0 and in the Geotechnical Report section 6.5.1. (see F11/A1.11 as an example)