DEPARTMENT OF THE ARMY
US ARMY DEVCOM SOLDIER CENTER
15 GENERAL GREENE AVENUE
NATICK MA 01760

STATEMENT OF WORK (SOW)

Building # 5, S126, Instron Installation
Date: April 29, 2026

1. General:

1.1. All work is to be performed for Building #5, S126, located at the US Army Natick Soldier Systems Center (NSSC), 15 General Greene Avenue (formerly Kansas St.), Natick, MA, 01760.

1.2. The Contractor shall provide all labor, materials, and equipment necessary to perform all work, purchase, and installation of outlined in this **SOW & Plan**.

1.3. The Contractor shall be responsible for performing all work as outlined in this Statement of Work (SOW). The Contractor is responsible for reading entire SOW and accompanying documents included in this contract for a thorough understanding and comprehension of all content and requirements. The Contractor shall carefully review the field conditions prior to bidding and performing any work.

2. Project Scope:

- Remove existing Instron machine from room S126 and move down to the warehouse.
- Move new Instron machine from warehouse to S126.
- Raise existing walls and ceiling in Instron location to accommodate higher Instron equipment.
- Furnish and install power to new Instron.
- Furnish and install air to new Instron.

3. Period of Performance:

3.1. 60 days will be the period of performance.

3.2. Failure to complete the project by the stated completion date, when delay is not attributable to the Government will lead to a negative performance evaluation.

4. Hours of Operation (for all work performed on the installation):

4.1. The site for all work is on a military installation known as the US Army Soldier Systems Center, in Natick, Massachusetts, hereinafter called NSSC. All rules and regulations issued by the Commanding Officer covering general safety, security, sanitary requirements, pollution control and traffic regulations shall be observed by the Contractor. Information regarding these requirements may be obtained by contacting the Contracting Officer (KO), who will provide such information or assist in obtaining same from appropriate authorities.

4.2. The Contractor may submit a written request for Government approval to work on weekends and holidays. The request shall be submitted a minimum of ten (10) days in advance, and if approved, it shall be authorized in writing. The Government reserves the right to deny such requests. It is anticipated that work on weekday and weekends during the off hours will be required to complete work within the Period of Performance. The following legal holidays are observed:
January 1st
Third Monday in January
Third Monday in February
Last Monday of May
Juneteenth
July 4th

1st Monday of September
2nd Monday of October
11th of November
Fourth Thursday of November
25th of December

When one of the above designated legal holidays falls on a Sunday, the following Monday will be observed as a legal holiday. When a legal holiday falls on a Saturday, the preceding Friday is observed as a holiday.

4.3. All work shall be performed during normal business hours, Monday through Friday from 7:00 am to 4:00 pm unless otherwise authorized and coordinated in advance by the Contracting Officer Representative (COR). The COR shall be notified a minimum of five (5) working days in advance of all work requested to be performed outside of normal business hours.

4.4. Interior Work - After business hours are as follows: 5:00 pm to 7:00 am on week days (Monday-Friday) and 7:00 am to 6:00 pm on weekends (Saturday & Sunday).

4.5. Exterior Work - After business hours are as follows: 5:00 pm to 7:00 pm on week days (Monday–Friday) and 7:00 am to 7:00 pm on weekends (Saturday & Sunday).

5. Antiterrorism/Operations Security Requirements:

5.1. AT Level 1 Training (OPSEC Cover Sheet, Part 1): All Contractor employees, to include subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within thirty (30) calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The Contractor shall submit certificates of completion for each affected Contractor employee and Subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within five (5) calendar days after completion of training by all employees and subcontractor personnel. AT level I awareness training is available at the following website: http://jko.jten.mil.

5.2. Access and general protection/security policy and procedure (OPSEC Cover Sheet, Part 2): The Contractor and all associated Subcontractors' employees shall provide all information required for background checks to meet installation access requirement to be accomplished by installation Director of Operations, Protection or Security Manager. The Contractor workforce shall comply with all personal identity verification requirements as directed by Department of Defense (DOD), Head Quarters Department of the Army (HQDA) and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in Contractor security matters or processes.

5.2a. For contractors requiring Common Access Card (CAC). Before CAC issuance, the contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or an equivalent or higher investigation in accordance with Army Directive 2014-05. The contractor employee will be issued a CAC only if duties involve one of the following: (1) Both physical access to a DOD facility and access, via logon, to DOD networks on-site or remotely; (2) Remote access, via logon, to a DOD network using DOD-approved remote access procedures; or (3) Physical access to multiple DOD facilities or multiple non-DOD federally controlled facilities on behalf of the DOD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office of Personnel Management.

5.2b. For contractors that do not require CAC, but require access to a DOD facility or installation. Contractor and all associated sub-contractors employees shall comply with adjudication standards and procedures using the

National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

5.3. Awareness Training for Contractor Personnel Traveling Overseas. Does not apply to USAG-Natick contracts.

5.4. iWATCH Training. ***This standard language is for contractor employees with an area of performance within an Army controlled installation, facility or area.*** The contractor and all associated sub-contractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity ATO). This locally developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 30 calendar days of contract award and within 05 calendar days of new employees commencing performance with the results reported to the COR NLT 30 calendar days after contract award.

5.5. Army Training Certification Tracking System (ATCTS) registration for contractor employees who require access to government information systems. All contractor employees with access to a government information system must be registered in the ATCTS (Army Training Certification Tracking System) at commencement of services, and must successfully complete the DOD Information Assurance Awareness prior to access to the IS and then annually thereafter.

5.6. For contracts that require a formal OPSEC program. The contractor shall develop an OPSEC Standing Operating Procedure (SOP)/Plan within 90 calendar days of contract award, to be reviewed and approved by the responsible Government OPSEC officer. This plan will include a process to identify critical information, where it is located, who is responsible for it, how to protect it and why it needs to be protected. The contractor shall implement OPSEC measures as ordered by the commander. In addition, the contractor shall have an identified certified Level II OPSEC coordinator per AR 530-1.

5.7. For contracts that require OPSEC Training. Per AR 530-1 Operations Security, the contractor employees must complete Level I OPSEC Awareness training. New employees must be trained within 30 calendar days of their reporting for duty and annually thereafter. OPSEC Awareness for Military Members, DOD Employees and Contractors is available at the following website: http://cdsetrain.dtic.mil/opsec/index.htm

5.8. For Cyber Awareness (Information assurance (IA)/information technology (IT)) training. All contractor employees and associated sub-contractor employees must complete the DOD Cyber awareness training before issuance of network access and annually thereafter. All contractor employees working IA/IT functions must comply with DOD and Army training requirements in DODD 8570.01, DOD 8570.01-M and AR 25-2 within six months of appointment to IA/IT functions. DOD Cyber Awareness Challenge Training is available at the following website: https://ia.signal.army.mil/DODIAA/

5.9. For Cyber (Information assurance (IA)/information technology (IT)) certification. Per DOD 8570.01-M , DFARS 252.239.7001 and AR 25-2, the contractor employees supporting Cyber (IA/IT) functions shall be appropriately certified upon contract award. The baseline certification as stipulated in DOD 8570.01-M must be completed upon contract award.

5.10. For contractors authorized to accompany the force. Does not apply to contracts at USAG-Natick.

5.11. For Contract Requiring Performance or Delivery in a Foreign Country, DFARS Clause 252.225-7043, Antiterrorism/Force Protection for Defense Contractors Outside the US. Does not apply to contracts at USAG-Natick.

5.12. For contracts that require handling or access to classified information. Contractor shall comply with FAR 52.204-2, Security Requirements. This clause involves access to information classified "Confidential," "Secret," or "Top Secret" and requires contractors to comply with— (1) The Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DOD 5220.22-M); (2) any revisions to DOD 5220.22-M, notice of which has been furnished to the contractor.

5.13. Threat Awareness Reporting Program. For all contractors with security clearances. Per AR 381-12 Threat Awareness and Reporting Program (TARP), contractor employees must receive annual TARP training by a CI agent or other trainer as specified in 2-4b of AR 381-12.

5.14. For contracts that require delivery of food and water. This standard language is for contractor employees with an area of performance delivering food and water within an Army-controlled installation, facility or area. The supplies delivered under this contract shall be transported in delivery conveyances maintained to prevent tampering with and / or adulteration or contamination of the supplies, and if applicable, equipped to maintain a prescribed temperature. All delivery vehicles will also be subject to inspection at all times and all places by the Contracting Officers Representative, Post Veterinarian, and / or Law Enforcement Officials. When the sanitary conditions of the delivery conveyance have led, or may lead to product contamination, adulteration, constitute a health hazard, the delivery conveyance is not equipped to maintain prescribed temperatures or the transport results in product "unfit for intended purpose", supplies tendered for acceptance may be rejected without further inspection. As the holder of a contact with the Department of Defense, it is incumbent upon the awardee to insure that all products and/or packaging have not been tampered or contaminated. Delivery conveyances will be locked or sealed at all times, except when actively loading or unloading. Unsecured vehicles will not be left unattended. All incoming truck drivers will provide adequate identification upon request. In the event of an identified threat to an installation, or a heightened force protection/Homeland Security threat Level, the contractor may be required to adjust delivery routes to minimize vulnerability risks and enable direct delivery to DOD facilities.

6. <u>Protection Division, Directorate of Operations:</u>

6.1. The Contractor shall submit employee's names and information on NSSC Contractor Access Request Form (See Attachment #2) for background investigation for all employees and subcontractors that will be entering Army-controlled installations or facilities, a minimum of seven (7) business days prior to arrival via email to COR and Protection Division. The company shall ensure that its employees entering Army-controlled installations or facilities have obtained access badges and passes in accordance with facility regulations and that these badges and passes are obtained in advance so as not to delay the accomplishment of contracted services. It is also required that the contracting company owner, project manager, site supervisor and safety officer also acquire a personal badge for installation entry as they are expected to be on site managing the work on a frequent, if not continuous, basis throughout the performance period of the project. All Contractor personnel that have a Permanent Resident Card or Alien Registration Receipt Card (Form I-551) a.k.a. "Green Card", shall possess them when entering the installation.
Immediately report instances of lost or stolen badges to the Contracting Officer. Badges shall be worn and be visible at all times while on the Installation. The Contractor shall be responsible for returning all Identification Badges to the Contracting Officer after completion of the project. Final payment will not be made until all badges are returned and have been accounted for.

6.2. During Force Protection Conditions (FPCONs) CHARLIE and DELTA, contracted services may be limited or discontinued. Contracted services will resume when the FPCON level is reduced to level BRAVO or lower.

6.3. The Contractor shall be responsible for maintaining a secure construction site and ensure NSSC installation perimeter confined to the area of the scope of this contract is secure at all times during and after work hours. Areas of staging, material storage and equipment shall be reviewed with the KO for approval at pre-construction meeting. Fencing may be provided or required for these areas and to secure the construction site.

6.4. At the close of each work day, Government facilities, equipment, and materials shall be secured.

6.5. The Contractor shall be responsible for all arrangements for the receipt of materials and supplies at the job site. Government personnel are not permitted to receive or sign for items delivered to the site. All Contractor deliveries shall be coordinated by the Contractor to arrive direct to the job site. The delivery driver shall be provided with address and exact location on post to deliver to, name of the Contractor's supervisor and/or the name of the Contractor employee who will receive and sign for the delivery item(s). Off-loading and labor and equipment for such is the responsibility of the Contractor. All deliveries shall be coordinated in advance with NSSC Police.

6.6. The Contractor and all associated Sub-contractors' employees shall comply with applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative). Increased Security upon Entry into NSSC: Since the events of 11 September 2001, security at the U.S. Army Natick Soldier Systems Center has increased making entry into the installation more time consuming at certain times and under certain circumstances. The Contractor is responsible for familiarizing himself/herself with the entry procedures at designated Contractor entry gate and expected delays, and for including all costs for same in their base contract bid price. No future request for adjustment in neither price nor time will be allowed due to Contractor entry conditions and circumstances.

7. <u>Contractor Personnel Conduct:</u>

7.1. The Contractor personnel's conduct shall not reflect discredit upon the Government. Contractor shall ensure that personnel present a professional appearance. The Contractor's employees shall observe and comply with all local policies and procedures concerning fire, safety, environmental protection, sanitation, security, and possession of firearms or other lethal or illegal weapons or substance. The Contractor is responsible for ensuring that any Contractor employees providing services under this contract conduct themselves and perform services in a professional, safe, and responsible manner. The Contractor shall remove from the job site any employee for reasons of misconduct or security. The Contractor shall ensure no Contractor's employees conduct political related activities or events at NSSC.

7.2. Smoking is prohibited within and outside of all buildings on installations under the ownership of NSSC except in designated smoking areas. This includes, but not limited to, existing buildings, buildings under construction and buildings under renovation. Discarding tobacco materials other than into designated tobacco receptacles is considered littering and is subject to fines. The Contracting Officer will identify designated smoking areas.

8. <u>Submittals:</u>

8.1. In accordance with the submittal checklist (Attachment 6) and as listed in this SOW and accompanying documents, the Contractor shall submit for approval to the Contracting Officer Representative (COR), a minimum of ten (10) calendar days prior to purchasing and installing submittal items, all material samples/swatches and/or manufacturer specifications/cut sheets.

8.2. All required submittals, cut sheets, construction details, etc. shall be submitted to the COR. Each submittal shall be complete and of sufficient detail to allow ready determination of compliance with contract requirements. Prior to submittal, all items shall be checked and approved by the Contractor and each item shall be stamped, signed, and dated by the Contractor indicating action taken. Proposed deviations from the contract requirements shall be clearly identified.

8.3. The Contractor shall submit to the COR, a list of all hazardous materials and their associated Safety Data Sheet (SDS) sheets and statement of plans for storage and use. No hazardous materials shall be stored or used at NSSC prior to submission of the material's SDS and approval by NSSC Environmental office of the Contractor's plans for storage and use of the hazardous materials. The COR shall submit this information to the Environmental office and notify the Contractor of the resulting approval or rejection within ten (10) business days.

8.4. Submittals for any required information shall require up to ten (10) business days for review.

8.5. The COR's approval of submittals shall not be construed as a complete check, but will indicate only that the general method of construction, materials, detailing and other information are satisfactory. Approval will not relieve the Contractor of the responsibility for any error which may exist.

8.6. The Contractor shall make all corrections required by the COR and promptly furnish a corrected submittal. If the Contractor considers any correction indicated on the submittals to constitute a change to the contract, a notice in accordance with the Contract FAR Clause 52.243-4 "Changes" shall be given promptly to the COR.

8.7. The Government has the right to reject any submittals not meeting the requirements and standards set forth in the SOW and accompanying contract documents. All rejected submittals shall require a re-submittal prior to the performance of any associated work commencing, to include but not limited to demolition and construction phases of work.

8.8. Within ten (10) calendar days of the preconstruction meeting the Contractor shall submit a construction schedule in Gantt Chart form to the COR, outlining the duration, start and completion dates for all major disciplines and milestones for both demolition and construction phases.

8.9. Scheduling of work is of critical importance for impacts to the building occupants due to noise and building access. The schedule shall be updated weekly as required to reflect actual progress. Due to the nature of the work, it is understood that weather can impact progress and schedule updates help plan and modify closure activity and notification to the staff. Schedule updates may be modified by written approval by the Contracting Officer (KO) and COR.

8.10. The Contractor shall keep a daily log of all major on site construction activity and provide to the COR at close of each business day. The daily log shall be provided to the COR via email and include photographs as applicable to depict work performed and as directed from COR in absence of government inspections to include but not limited to interior and exterior utilities before they are concealed.

8.11. The Contractor shall schedule a meeting and meet with the COR on a weekly basis throughout the performance period to review and report current status and schedule of the job's progress as well as coordinate between various tasks of the project and the impacts upon NSSC such as physical security, other occupants on post, etc.

9. <u>Inspections and Testing:</u>

9.1. The KO, COR and NSSC Department of Public works (DPW) designated personnel shall be provided the opportunity to inspect all aspects of the work during the entire course of the performance period. Scheduled inspections shall take place at intervals as agreed upon in the preconstruction meeting and throughout period of performance and as noted in List of Required DPW Inspections, if provided, and entered into the Gantt Chart construction schedule. The Contractor shall coordinate Government inspections, to occur during normal business hours, with the COR five (5) business days in advance. The Contractor shall remove material as required to complete inspections if proper notification for scheduled inspection is not given. The COR will determine if the specifications and requirements of the contract documents have been met. The Contractor shall perform all necessary work to correct any deficiencies identified by the COR to ensure compliance with all contract documents during the performance period.

9.2. When all work has been completed by the Contractor and checked by the COR, the Contractor shall provide the COR with the opportunity to witness the final, actual operation and testing of systems and equipment. Before final acceptance, any deficiencies discovered during testing shall be promptly corrected by the Contractor and readjusted until the systems are functioning properly.

10. <u>Health and Safety Plan:</u>

10.1. The Contractor shall submit to the COR, a minimum of fourteen (14) calendar days prior to any on-site work being performed, a health and safety plan for Contractor personnel, including at a minimum, personal protective clothing and equipment such as but not limited to, safety goggles, dust masks, hard hats, protective barriers, signage, caution tapes,

dust barriers, etc. The Health and Safety plan submittals shall be approved before any affected on site work can be performed.

10.2. The Contractor shall ensure that all activity hazards are identified in the health and safety plan for every applicable and unique demolition and construction activity, including but not limited to the following examples: connecting/ disconnecting power supply; welding and torch cutting (Hot Work); drilling into concrete, etc. Hot Work / Permits to Lavern Olmstead, Garrison Safety Manager (508) 206-4020.

10.3. The Contractor shall take all necessary precautions in observing safety regulations in accordance with Section 01 35 26 GOVERNMENTAL SAFETY REQUIREMENTS which can be found at: https://www.wbdg.org/ffc/dod/unified-facilities-guide-specifications-ufgs and EM 385-1-1, and shall assume the responsibility to guard against causing of fires and/or explosions and to protect Government property. The Contractor shall perform the work in a manner consistent with security requirements and fire safety regulations especially with regard to exits and exit way access during construction. Temporary closures shall not compromise life safety, security or fire safety. For a copy of EM 385-1-1, visit the following website: https://www.usace.army.mil/.

10.4. Workers in elevated work areas in excess of six (6) feet above an adjoining surface require special safety attention. In addition to the provisions of EM 385-1-1, the following safety measures are required to be submitted to the Contracting Officer. Prior to commencement of work in elevated work areas, the Contractor shall submit drawings depicting all provisions of his positive protection system including, but not limited to, all details of guard rails.

10.5. Positive protection for workmen engaged in work that is at a height of six (6) feet or greater shall be provided by safety nets, tie-offs, hydraulic man lifts, scaffolds, or other required means. Decking crews shall be tied-off or work over nets or platforms not over six (6) feet below the work area. Walking on beams and/or girders and the climbing of columns is prohibited without positive protection.

10.6. Perimeter guard rails shall be installed at floor, roof, or wall openings more than six (6) feet above an adjoining surface and on roof perimeters. Rails shall be designed to protect all phases of elevated work. Rails shall be designed by a licensed engineer to provide adequate stability under any anticipated impact loading. As a minimum, the rails shall consist of a top rail at a height of forty-two (42) inches, a mid-rail and a toe board. Use of tie-offs, hydraulic man lifts, scaffolds, or other means of roof edge protection methods may be utilized on small structures such as family housing, prefabricated metal buildings, etc.

10.7. The Contractor shall develop and implement an activity/site-specific Confined Space (CS) Program as necessary when the work to be performed requires compliance with the elements of 29 CFR 1910.146 and/or the recommendations of installation Safety and Health professionals. It is the responsibility of the site supervisor or project manager to ensure all entries into a CS are completed in a safe and protective manner. The procedures shall be documented in a CS program which is part of the Project Safety and Health Plan.

10.8. The Contractor is alerted to the requirements of Contract FAR Clause 52.236-12 "CLEANING UP" and to the requirements of UFC 3-600-01, EM 385-1-1, and NFPA 241 for fire protection during building construction and demolition operations. This item shall be covered in the submittal required under Contract FAR Clause 52.236-13 Atl I "ACCIDENT PREVENTION". Provide and maintain extinguishers in construction areas and temporary storage areas in accordance with EM 385-1-1 and NFPA 10. This standard is available from www.NFPA.org.

10.9. Store, dispense and use liquids in accordance with EM 385-1-1.

10.10. Means of egress: Maintain free and unobstructed access to facility emergency services and for fire, police and other emergency response forces to the site and building. Do not block exits for occupied buildings, including paths from

exits to roads. Minimize disruptions and coordinate with the Contracting Officer. Inspect access points daily. Report the findings of obstructions and corrective actions, weekly to the Contracting Officer.

10.11. Construction Fire and Safety: The Contractor shall follow NFPA 241, Safeguarding Construction, Alteration, and Demolition Operations, during the course of the work. Trash chutes shall follow these requirements for proximity to the building as noted. The Contractor shall also comply with NFPA 1 (2015), section 19.2.1.4 which states that dumpsters over one and a half (1.5) cubic yards shall not be placed within ten (10) feet of combustible walls, openings, or combustible roof eave lines. Comments provided by the Fire Inspector during laydown submission by the Contractor shall also be followed. The Contractor shall leave fire alarm pull stations in place whenever possible to alert the fire and law enforcement personnel to a fire while the building is occupied during construction. Efforts should be made to protect all fire alarm devices from physical damage and accidental activation whenever possible. Temporary heat detectors may be used to provide detection nights and weekends when the building is unoccupied by Contractors.

10.12. All construction sites are subject to fire and safety inspections without notice. Any violation of fire and safety standards may result in a work stoppage at the expense of the Contractor.

10.13. Throughout the course of this project caution tape and safety warning signs shall clearly mark all construction areas where the potential exists for personnel not involved with the construction to enter or pass. When it is necessary for non-construction personnel to pass through a construction area, flag persons shall be posted at all key points to ensure the safety of the non-construction personnel, particularly during construction operations that pose a potential threat to safety.

10.14. The Contractor shall maintain a safe, orderly and reasonably clean work environment throughout the performance period and is subject to unannounced OSHA and NSSC inspections.

10.15. The Contractor shall be responsible for contacting and coordinating with DIGSAFE (call 811 or 888-DIG-SAFE) prior to any excavation work according to regulations: "220 CMR 99.00: Massachusetts Department of Public Works" and "The Dig Safe Law in Massachusetts G.L. C. 82, & 40, 40A through 40E." Also, the Contractor shall use Ground Penetrating Radar (GPR) to confirm locations of all underground utilities prior to any excavation. The Contractor shall perform hand digging when exact location of underground utilities is not known.

10.16. Use of Trench Boxes and/or sheeting and/or ground sloping in excavation pits shall be in accordance with OSHA. Safety Office to approve prior to excavation.

10.17. Fire protection systems (Sprinklers, Alarms, Controls, etc.) shall be maintained in service unless coordinated and approved by the COR and Installation Fire Protection Inspector and identified in the Health and Safety Plan if service is to be temporarily interrupted.

- The Contractor shall notify DO Fire Protection Inspector. 48 hours prior to any Fire Protection Systems work. No work shall begin until Fire Protection Inspector's approval.

- All work associated with the Fire Alarms and Fire Protection shall be a part of the work. Work required by Simplex for fire alarm controls shall be engaged and paid for by the Contractor.

- The fire alarm/mass notification system throughout the installation consist of addressable and interconnected Johnson Controls Simplex panels.

- Only qualified personnel, as defined in NFPA 72, may perform work on the fire alarm/mass warning notification systems and its components.

- Whenever work is to be conducted in a building that affects any fire alarm system and/or its components, such as disconnecting, moving, relocating, adding or subtracting devices, and/or rewiring of any fire alarm system devices, the contractor responsible for the project must contract, at the contractor's expense, with Johnson Controls to:
  (1) Examine said panels for any existing trouble or faults prior to the start of any work affecting the fire alarm control panel(s). Disable all devices and/or zones which will be affected by the work
  (2) Verify all wiring and devices are properly connected to the fire alarm panel(s) and conduct panel programming to all panels affected by the project once entire project is completed.
  (3) Conduct final acceptance testing of the systems per NFPA 72 requirements once the project is completed, and provide written documentation of the testing to the COR and fire protection inspector.
  (4) The Fire Protection Inspector must be notified prior to all examination and work on fire alarm control panels.

10.18. Hot Work:

- It is the responsibility of the Contractor, without exception, to obtain a permit for all "Hot Work", which includes but is not limited to, torch cutting, welding, laser cutting, metal grinding, soldering, etc. Hot Work / Permits to Lavern Olmstead, Garrison Safety Manager (508) 206-4020.

- Those performing the hot work shall have completed the NFPA, "Hot Works Safety Certificate 1-Day Program" or "Gould Construction Institute Hot Works Training". Permits shall be obtained prior to any "Hot Work" being performed.

- Permits can easily be obtained by contacting the Directorate of Operations Fire Protection Inspector.
Hot Work / Permits to Lavern Olmstead, Garrison Safety Manager (508) 206-4020.

11. <u>Environmental Considerations</u>

11.1. Waste Reduction: Contractor shall abide by NSSC's commitment to reduce natural resource consumption and solid waste generation through resource recovery, re-use, and recycling. Integrate source reduction into all activities, to include minimizing all packing and packaging materials for items being shipped to NSSC.

11.2. Collection and Disposal of Construction and Demolition (C&D) Waste Streams:

- C & D waste consists of all non-hazardous waste streams generated during construction, renovation, maintenance, repairs, and demolition projects. Waste streams include, but are not limited to the following materials: lumber, reinforcing steel and other metals, piping and wiring, concrete, brick, plaster, wall board, roofing material, insulation, plumbing fixtures, doors, windows, and asphalt. Of these materials, asphalt pavement, brick, concrete, wood, metal, glass, and clean gypsum wallboard are subject to the Massachusetts waste ban (310 CMR 19.017) and shall be segregated for recycling, reuse, or disposal in accordance with 310 CMR 19.017, no exceptions.

- Unless otherwise specified herein, the Contractor shall provide a C&D Waste Management Plan when a roll-off or dumpster is brought onto NSSC. The waste management plan shall include a characterization of wastes to be generated (types and quantities and plans for maximizing the diversion of waste through recycling and re-use).

- The Contractor shall achieve a minimum performance requirement of sixty (60) percent diversion for all C&D waste, by weight, from landfill disposal. It is the Contractor's responsibility to arrange collection and delivery of all C&D waste materials to the appropriate recycling center or transfer station that accepts C&D waste for the purpose of recycling.

- A LEED Report and weight tickets for all materials salvaged, recycled, or disposed during the performance of the contact shall be provided to the COR and USAG Natick DPW-Environmental Office (Richard Valcourt, richard.a.valcourt2.civ@mail.mil, 508-206-4134).

- NSSC security office has ultimate jurisdiction of all dumpsters (to include roll-off containers). The location and removal time-frame of all dumpsters requires approval from the government and shall be coordinated with the COR at the pre-construction meeting or a minimum of five (5) business days in advance of use of any dumpster. Dumpster locations shall also be coordinated with NSSC Department of Public Works (DPW), Roads and Grounds division, for protection of the landscape and sprinklers and to negate any impact to snow plowing. Dumpsters shall be a minimum of eighty (80'-0") from all occupied buildings. The COR shall be responsible for coordinating dumpster locations with DPW, Command Group and Security Police.

- The Government reserves the right to retain possession of any items designated to be removed and disposed of by the Contractor.

- All waste streams generated from any work related to this project shall be the responsibility of the Contractor to separate on site and properly dispose in accordance with the NSSC "Integrated Solid Waste Management Plan" (See Attachment 4).

- The Contractor dumpster shall be emptied the same day it is filled to the top. The Contractor dumpster shall not have any loose debris that can be blown out by windy conditions or being moved.

- Dumpsters shall be clearly marked with a sign showing the name of Contractor, project building and room number(s) and state "FOR CONTRACTOR USE ONLY".

- Under no circumstances shall government dumpsters be used for disposal of any solid waste or construction and demolition waste during the contract performance period.

- The Contractor shall actively control use of their dumpsters and shall insure that only materials from this contract get placed into the dumpsters assigned to this project.

11.3. Collection and Disposal of Scrap Metals:

- Unless otherwise specified herein, the Contractor shall segregate, collect, and transport all ferrous and non-ferrous metals generated in the performance of work to the designated NSSC metal collection container (e.g., 30/40 yd^3 open top roll-off container) located behind Building #20.

- The Contractor shall not at any time overload the scrap metal roll-off container or place objects into the container that protrude above container walls. If the scrap metal roll-off container is at or near capacity the Contractor shall immediately contact the COR and the Logistics Readiness Center (LRC) Container Control Officer for an alternate disposal location.

11.4. Collection and Disposal of Organic/Compostable Materials:

- The term organic/compostable material includes: tree stumps, tree branches, grass clippings, leaves, and other vegetative matter resulting from land clearing or landscaping activities.

- All Contractors shall achieve a performance requirement of one hundred (100) percent diversion for all organic/compostable material from landfill disposal. It is the Contractor's responsibility to arrange collection and delivery of all materials to the appropriate recycling center or transfer station that accepts organic/compostable materials for the re-purposing or reuse.

- Contractors shall provide weight tickets (from a certified truck scale or the NSSC truck scale, located adjacent to Building 20 (west side) for all materials generated during the performance of the contact to the COR and the USAG Natick DPW-Environmental Health Office (Richard Valcourt, richard.a.valcourt2.civ@mail.mil, (508)206-4134).

11.5. Storage of Hazardous Materials

- The storage of hazardous materials shall conform to applicable fire and safety regulations and is subject to inspection of Government personnel. Storage procedures, at the work site, shall meet all applicable environmental regulations and standards.

- The Contractor shall maintain current Safety Data Sheets (SDS) for any of the following materials used in the performance of his work. Hazardous materials shall not be stored on the ground or open floor drain without adequate secondary containment, and shall be stored according to their compatibility.

- All flammable material shall be stored in only approved flammable storage containers. Storage containers shall be provided at the expense of the Contractor.

- Hazardous materials shall be limited in storage to the amount necessary to complete the contract requirements.

11.6. Environmental Contaminate Discoveries

- The Contractor is responsible for contacting the COR and Contracting Officer whenever any questions arise concerning materials that may be contaminated (i.e. soils, metals, insulation, building materials etc.). Work shall be stopped until an agent from the NSSC - Environmental Health Office (EHO) is notified. The EHO will be responsible for performing all testing, storage and handling of suspected or confirmed contaminated material. The Contractor is shall be responsible for all costs associated to contamination clean up.

11.7. Hazardous Material Spills or Releases

- Oil and or Hazardous Material Release Response: In case of any release of oil and/or hazardous materials (OHM) (including leaks from hydraulic hoses or equipment) at NSSC Contractor shall immediately report the release to the NSSC Directorate of Operations (DO) at (508)206-4065 and to the NSSC Environmental Health Office (EHO) at (508)206-4134 Reporting a release to DO or to EHO shall not relieve the Contractor of any other applicable reporting requirements including State and Federal laws governing reporting to USEPA or Massachusetts DEP).

- The Contractor shall be aware that there are monitoring wells for a Superfund site in various locations on NSSC. The Contractor shall not disturb these wells and shall take extra precautions when working in the vicinity of these wells.

- Any release to the environment of Oil and Hazardous Materials (including leaks from hydraulic hoses or equipment) as a result of Contractors work shall be the sole financial liability of the Contractor and shall be cleaned up by the Contractor at no additional cost to the Army. Should a cleanup be required, the Contractor shall conduct the cleanup in accordance with all applicable state and/or federal regulations, including but not necessarily limited to the Massachusetts Contingency Plan (310 CMR40.0000) an/or the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300) or other applicable regulations. Any cleanup of oil and/or hazardous materials conducted on the installation shall be supervised by the Contractor as well as by staff of the EHO. It shall be the responsibility of the EHO to determine whether spill reporting requirements have been met and when spill cleanup is being conducted in accordance with applicable regulations, and to report this to the KO.

- EHO staff may determine that a release of OHM has triggered a reporting threshold and may elect to report the release on behalf of the Contractor to the applicable regulatory agency in order to meet mandatory reporting time

requirements. Should the EHO determine that reporting by the Army on behalf of the Contractor is required, the fact that the Army has reported the release shall not in any way relieve the Contractor of their financial liability to complete the cleanup at no additional expense to the Army. The Contractor's financial liability for completing a cleanup shall include retaining cleanup subcontractors with appropriate professional licenses and preparation and submittal of all required reports to complete waste site cleanup closure as specified in applicable regulations.

- The Contractor shall immediately contact the EHO, when required by law, to contact the Federal, Local Environmental Agency or Occupational, Safety and Health agencies for any reason related to compliance requirements arising out of performance of this contract. In the event of any agency contacts the Contractor for any reason relating to compliance requirements arising out of this contract, the Contractor shall immediately contact the EHO and the Contracting Officer no later than the close of business on the day the contract is made. If such communication is made after regular business hours, notification shall be made immediately on the next day of business. The Contractor shall also provide the name, telephone number of the agency, name of the person making the contact and the substance of any verbal or written communication from such agency.

11.8. Fluorescent Lamps and Ballast

- All fluorescent lamps and ballast shall be recycled under the streamlined provisions of the Universal Waste Rule. Before shipping, lamps and ballasts shall be placed in protective packaging and a reputable transporter or carrier shall be contracted to transport lamps components to a receiving facility. NSSC Environmental Health Office shall sign manifest or bill of laden before waste leaves the installation.

- All electronic ballasts can be recycled as scrap metal, non-PCB oil filled ballast shall be managed and disposed following the provisions of Universal Waste Rule, and PCB oil filled ballasts shall be managed and disposed as a Hazardous Waste in accordance with 40 CFR 761.62 (a).

11.9. Green Procurement:

- All supplies and materials shall be of a type and quality that conform to applicable Federal specifications and standards and, to the extent feasible and reasonable, include the use of green products. All supplies, materials, and equipment to be used in the performance of work described herein are subject to approval of the COR/COTR (Contracting Officer's Technical Representative).

- The Contractor shall not use any materials, chemicals, or compounds which the COR/COTR determines would be unsuitable for the intended purpose or harmful to the surfaces to which applied or that contain Class 1 ozone-depleting substances or EPA-listed priority chemicals.

- The Contractor shall utilize and give priority to products made from bio-based materials, particularly for U.S. Department of Agriculture (USDA)-designated products (www.biopreferred.gov) and products made from recovered materials, particularly for EPA-designated products (www.epa.gov/cpg) in accordance with Federal requirements without jeopardizing the intended end use or detracting from the overall quality delivered to the end user.

- The Contractor shall indicate in writing (e.g., work plan or design document) how, at a minimum, it shall conform to the Comprehensive Procurement Guidelines (CPG) and Recovered Materials Advisory Notices (RMAN) published by EPA (www.epa.gov/epawaste/conserve/tools/cpg/pdf/consolrman.pdf) with respect to recovered material products, and bio-based recommendations published by USDA.

12. <u>Preconstruction Meeting/Periodic Progress Meetings</u>:

12.1. The Contractor shall attend pre-construction meetings and other meetings convened by the Contracting Officer as needed to maintain contract conformance.

13. <u>Personnel Requirements / Contractor Labor Hour Reporting</u>:

13.1. The following personnel are considered key personnel by the Government: Site Supervisor. The Contractor shall provide a Site Supervisor who shall be responsible for the performance of the work. The name of this person and an alternate (if chosen by the Contractor) shall be provided in writing to the COR. The Site Supervisor shall have full authority to act for the Contractor on all contract matters relating to daily operation of this contract. The Site Supervisor shall be available while Contractor is working on site Monday through Friday except Federal holidays or when the Government facility is closed for administrative reasons.

13.2. The Contractor shall employ ample personnel and sufficient equipment to accomplish the work of this contract in the least amount of time, within the performance period specified in Section 3.1 of this SOW. Should the Contractor fail to maintain a satisfactory rate of progress in accordance with the Contractor's approved progress schedule, the Contracting Officer may require that additional personnel and equipment be placed on the work and weekend and overtime work be performed, in order that the work be brought up to schedule and maintained.

13.3. The Contractor shall be licensed as a General Contractor within the state of Massachusetts. All Subcontractor's performing work shall be licensed for their respective discipline within the state of Massachusetts.

13.4. The Contractor's Site Supervisor shall be on site at all times while work is being performed to ensure quality control and safety of all persons. The Contractor shall provide the name and contact information (cell phone, email address) of the Site Supervisor to the COR.

13.5. If a Site Supervisor is to be substituted by an acting job supervisor, the Contractor shall be responsible for providing the acting job supervisor with a complete SOW, construction drawings and any other necessary information, such as the name and contact information of the COR, and make sure that the substitute supervisor has a thorough and complete knowledge of the project, all safety requirements and NSSC/DPW procedures.

13.6. The Contractor shall report ALL Contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for USAG Natick via a secure data collection site. The Contractor is required to completely fill in all required data fields using the following web address: http://www.ecmra.mil/ Reporting inputs shall be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year, beginning with 2013. Contractors may direct questions to the help desk at help desk at: http://www.ecmra.mill.

14. <u>Utilities</u>:

14.1. The Contractor shall contact DIGSAFE 1 (800) 344-7233 to mark underground utilities prior to any excavation. DIGSAFE does not mark all utilities, only public utilities on the installation. The Contractor shall verify the plan location and elevations of all existing underground utilities, in the work area before commencing excavation. Use only utility and site drawings provided by the Government; and verify with the COR prior to excavation. See Section 10.15 for more information.

14.2. The Contractor shall be responsible for coordinating any utility shut-downs with written approval by the COR, a minimum of ten (10) business days in advance and include at least one alternative date. A request form for utility shut downs will be provided. Shut downs will be held to a minimum amount of time and shall be arranged for at the convenience of the Government and may have to be scheduled outside the regular working hours or on weekends. This work shall not require additional services or fees. Services shall not be interrupted until receipt of approval of proposed hours and dates are received from the Contracting Officer.

14.3. All utility tie-ins performed by the Contractor shall be performed in the presence of the COR and an NSSC Operations and Maintenance designated technical representative. All utility tie-ins shall be acknowledged in writing by all three parties to be in compliance with the contract documents and specifically note that there are no unintended 'cross-

connections' with the NSSC potable water supply. Tie-ins will be treated in the same manner as a shut-down for advanced notice, hours of operation, fees and service interruption.

14.4. The Contractor shall have a contingency plan for potential damage when excavating for utility work. Locate shut-off valves for all known underground utilities that could be disturbed and who and what may be impacted and how in the event of unplanned utility interruption. The Contractor shall have temporary patches, materials, tools, equipment and personnel on site for utilities with high risk potential for damage within means determined feasible for the contract. Plan should involve coordination of engineering disciplines with respective utilities, DPW and Contractor.

15. Emergency Services

15.1. The Contractor shall have competent personnel trained and capable of dealing with minor personnel injuries. Contractor personnel shall immediately notify their supervisor of any accident requiring emergency medical treatment. Contractor shall, in turn, notify the KO or COR within thirty (30) minutes of the incident.

15.2. Emergency medical treatment and services for Contractor personnel is the responsibility of the Contractor. The Contractor shall call 508-206-4005 (Police Desk) for medical assistance or other emergencies requiring assistance.

16. Project Completion:

16.1. Upon completion of the project, the Contractor shall thoroughly clean all work areas to be free of all dust and debris for all areas impacted by demolition and construction. The Contractor shall contact the COR within twenty-four (24) hours after total completion of the project for evaluation of the site conditions by the COR or an authorized representative. The COR may request additional work to satisfy the criteria of this provision or approve the cleanliness of conditions at completion.

16.2. The Contractor shall warranty all work within this SOW and all contract documents during the performance of the project for a period of one (1) year, beginning on the date that the project is determined to be complete. The determination of the completion date shall be indicated by the COR as the final invoice acceptance date unless otherwise stated in writing by the COR as the accepted substantial completion date.

16.3. The Contractor shall submit all product manufacturer's standard performance guarantees and/or warranties upon completion of all work and prior to final payment.

16.4. The Contractor shall submit one (1) set of 24" x 36" as-built record drawings showing final conditions of the project.

- The Contractor shall submit as-built record drawings in REVIT 2017 or AutoCAD version 2017 if work is not completed in REVIT. ACAD and REVIT drawings issued for bid can be requested for as-built editing unless they contain secure documents or portions of documents that can't be redacted. Versions of REVIT or ACAD shall be capable of retaining all information in documents provided for bid to remain and shall be no later than eight (8) years old unless approved in writing by COR.

- As-built drawings shall contain, but not limited to, the following information:

16.4..1. Actual location, type and size of all sub-surface utility lines. Locate valves, splice boxes and similar appurtenances by dimensioning along the utility run from a reference point. Record the average depth below the surface of each run.

16.4..2. The location and dimensions of any changes within the building structure.

16.4..3. Correct grade, elevations, cross section, or alignment of roads, earthwork, structures or utilities if any changes were made from contract plans.

16.4..4. Changes in details of design or additional information obtained from working drawings specified to be prepared and/or furnished by the Contractor; including but not limited to fabrication, erection, installation plans and placing details, pipe sizes, insulation material, dimensions of equipment foundations, etc.

16.4..5. The topography, invert elevations and grades of drainage installed or affected as part of the project construction.

16.4..6. Changes or modifications which result from the final inspection.

16.4..7. Final As-built AutoCAD or Revit drawings as compatible, stamped by an architect or professional engineer for correctness of all changes made to drawings are required. All changes to contract drawings shall have a numbered revision cloud keyed to the drawing Action title block same number with brief description of field change with date drawing revision is made. As-built drawings shall be provided to the government on DVD and two hard copy sets of prints, same size as original drawings, submitted to government COR at the end of the project, prior to final payment. Final As-built drawings shall be submitted within the following timeframes (after project final punch-list is complete and space is turned over to the government) based on total awarded contract value: Less than or equal to $1M = 30 days; Greater than $1M and less than $5M = 45 days; Greater than $5M = 60 days. The Government shall review and provide comments back to the Contractor within 10 business days. The Contractor shall make any and all corrections and submit to COR within 10 business days.

17. General Notes (As applicable per this SOW and all accompanying documents):

17.1. Site visit(s) are strongly encouraged prior to bidding project.

17.2. The Contractor shall attend a pre-construction meeting with key Contractor personnel, the Contracting Officer and COR. The purpose of the conference is to review contract requirements and to establish a working relationship between the Contractor's Staff and the members of the DPW and NSSC staff who will be closely associated with the project. During the conference, the Contracting Officer will inform the Contractor concerning Job Safety, Quality Control, Labor Relations, and Environmental Protection. The Contractor's Superintendent, Quality Control Representative, and Site Safety and Health Officer (SSHO) shall attend this conference and review schedule, safety and processes including communication protocol.

17.3. The Contracting Officer (KO) may designate a Contracting Officer's Representative (COR) or Contracting Officer's Technical Representative (COTR) to this project. The COR shall be the primary point of contact (POC) for all matters regarding this project.

17.4. All dimensions and figures listed in SOW, drawings and any other contract documents are approximate and determined to be as close as possible. Do not measure distances or sizes from drawings. Use the written information or field measurements.

17.5. The Contractor shall verify all dimensions and information necessary to perform all work prior to submitting proposal.

17.6. RECORD DRAWINGS: The Contractor shall maintain at the jobsite one set of full-size contract drawings marked to show all deviations which have been made from the contract drawings, including buried or concealed construction and utility features revealed during the course of construction. Record the horizontal and vertical location of all buried utilities that differ from the contract drawings. These drawings shall be available for review by the Contracting Officer at all times. Contractor requested instruction or deviations to the contract documents shall be submitted in writing with a RFI (Request for Information) and responded to with directives/approval by the Government. Field change mark-ups to the jobsite set of prints for all field changes shall include pertinent information collected, document requirement for change and be a continuing process during the life of the contract. Upon completion of the work, submit the original marked set of prints to the Contracting Officer for approval. Requests for partial payments will not be approved if the marked prints are not current to cover the work being invoiced. In the case of approved RFI changes, revised drawings or documents reflecting directives/approved changes will be issued by the Contracting Officer. The Contractor shall make copies sufficient to insert the revised prints into all field drawing sets, replacing the superseded drawings and all other applicable notations previously made on the superseded drawings transferred to the current prints. Carefully prepared sketches, not less than 8-1/2" x 11", may be used to depict changes or added information in lieu of notations on the actual prints. Staple sketches to the prints affected by the change. All plan views, sections, elevations, profiles, diagrams, details, or schedules affected by a change shall be marked up as required to reflect the change. All notations or changes made on the prints shall be in sufficient detail to clearly depict the change. Colored pens or pencils shall be used to make notations on the record prints. Final As-built drawings shall reflect all changes electronically as outlined in previous section of this SOW. Request for final payment will not be approved until the marked prints or revisions are shown on as-built drawings and submitted to and approved by the Contracting Officer.

17.7. The Contractor shall field verify all dimensions prior to fabrication of any materials to be installed.

17.8. The Contractor shall verify that all materials bid shall be in stock and readily available.

17.9. The Contractor shall be responsible for reporting any and all errors, omissions and/or discrepancies between the drawings, SOW and field conditions to the COR prior to commencing with the effected work.

17.10. If there are any discrepancies, conflicts, errors, and/or omissions between SOW, drawings, other contract documents and field conditions the Contractor shall be responsible for reporting any and all to the COR prior to submission of a bid, before contract is awarded, and in advance of commencing the work impacted by such faults.

17.11. All items included in this SOW and all other documents associated with this work shall be the responsibility of the Contractor to purchase, deliver and install unless noted otherwise such as: "Government furnished", "by others" or "by owner".

17.12. All items included to be demolished, shall be the responsibility of the Contractor to remove and dispose of, unless specifically noted otherwise.

17.13. All work shall conform to all applicable codes, governing regulations and associated references to include but not limited to the Uniformed Federal Criteria (UFC) and other codes as referenced by the UFC including the International Code Council, Architectural Barriers Act (ABA), Massachusetts Building Code, NFPA Life Safety Codes, Environmental Protection Agency (EPA), National Electrical Code, Plumbing, etc.

17.14. Do not demolish or cut communications equipment and wiring unless specifically noted to do so.

17.15. The Contractor shall control all dust and odors at all times from affecting adjacent areas not involved with the project using control measures approved by the COR. Provide dust barrier and seal tight around all doors to corridors and over all HVAC and other possible penetrations to adjacent occupied and unoccupied areas. Typical control measures involve erecting temporary barrier walls, venting dust and odors to the exterior, vacuuming dust completely and in some cases HEPA filters. Noise shall be kept to a minimum. Loud noise shall be attenuated i.e. insulation, when adjacent occupied spaces are on same floor or exposed by openings to another floor. The Contractor shall notify the COR in advance of all such conditions for inspection of control measures taken prior to performing associated work. When necessary, arrangements can be made to perform this type of work after normal business hours at no additional expense to the government unless work is clearly not included in this SOW.

17.16. The Contractor shall, at the end of each day, inspect the facility (interior & exterior) for impacts from the work and thoroughly clean the job site and immediate surrounding areas.

17.17. The Contractor shall clean all visible dust, dirt and debris upon job completion. The Contractor shall remove and properly dispose of all waste/debris generated from demolition and construction, off post, as necessary to maintain a safe work environment throughout the performance period and at job completion.

17.18. Throughout the course of this project caution tape and safety warning signs shall clearly mark all construction areas where the potential exists for personnel not involved with the construction to enter or pass. When it is necessary for non-construction personnel to pass through a construction area, flag persons shall be posted at all key points to ensure the safety of the non-construction personnel, particularly during construction operations that pose a potential threat to safety.

17.19. The Contractor shall be responsible for protecting and avoiding damage to the project site and surrounding areas and shall carry appropriate comprehensive/liability insurance coverage to account for possible damage and lost items. Any damage to the Project work area, exterior, interior or surroundings resulting from the Contractor's actions or equipment shall be the responsibility of the Contractor to repair or replace as determined by the COR. If any other existing building, road conditions, sprinkler system, lawn, landscape etc. are damaged, it shall be the responsibility of the Contractor to restore by matching the existing conditions in materials, dimensions, appearance and integrity as accurately as possible. Any damage to lawn areas shall be replaced with sod and maintained by Contractor until lawn/sod has been reestablished. A satisfactory match will be determined by the COR. If repairs cannot be made by the Contractor, the cost of the repairs will be determined by the KO and appropriate compensation shall be made by the Contractor, payable to the U.S. Treasury.

17.20. The Contractor shall maintain a safe, orderly and reasonably clean work environment throughout the performance period and is subject to unannounced OSHA and NSSC inspections.

17.21. The Contractor shall remove all packing & installation materials, equipment and tools upon completion of each individual job task.

17.22. Grounds and Storage are limited at NSSC and no assumption of storage, International Standards Organization (ISO) storage containers placement, or parking trailers on NSSC shall be made by the Contractor. The contractor shall submit a request for placement of all ISO storage containers, dumpsters, trailers, Port-O-Potty's and equipment from the Installation Master Planning Chief via COR and obtain written approval in advance of placement. Permissions will be granted on a case by case basis. The contractor is responsible for attaching a legible sign that is clearly visible with his/her contact information to all approved items. Any and all items in violation of this mandatory protocol are subject to removal by the government at the contractor's expense.

17.23. During this contract, other Contractors or Government workers may be performing operations in the general area where work under this contract is being performed. No cost or scheduling impacts are anticipated. The Contractor shall cooperate with others in all respects wherever necessary and immediately bring any potential conflicts that may impact schedule or costs to the KO's attention.

17.24. Noise shall be kept to a minimum. The Contractor shall notify the COR at least two (2) days in advance of all such conditions for inspection of the control measures taken prior to performing associated work. Arrangements can be made to perform this type of work after normal business hours at no additional expense to the government unless the work is clearly not included in this SOW.

17.25. The Contractor shall fire-stop all new penetrations through walls and floors including but not limited to plumbing, mechanical, electrical, communications/data, structural, fire protection/alarming, sound masking and security systems, etc. as required by building, life, safety and health codes and/or SOW and associated contract documents. All openings left as a result of the removal of piping, conduit and ductwork from plumbing, mechanical, electrical or other utility to be removed based on the demolition shall be infilled or fire-stopped as required by code.

17.26. When applicable to the scope of the project for required equipment, the Contractor shall have sufficient (min of 5 years) successful experience performing the work as specified in contract documents. Also, as applicable to the trades required within the scope of the project the Contractor's installers shall be in possession of the following MA State Licenses/Certificates: Sheet Metal Installer's Certification; Electrician; Plumber's & Gas Fitter and Confined Space Certification. Copies of licenses and certificates shall be submitted to the KO no later than five (5) days after contract award.

17.27. The Contractor shall be responsible for snow removal in their assigned exterior work area(s).

17.28. Painting:

- All paint shall be by "Benjamin Moore" or approved equal. All interior paint shall be zero or low VOC (Volatile Organic Compounds). The Contractor shall submit color samples to COR for Government selection and approval.

- Preparation:

17.28..1. General: Remove hardware, hardware accessories, plates, machined surfaces, surface mounted fixtures, and similar items already installed that are not to be painted. If removal is impractical, protect all exposed surfaced prior to painting. After completing painting operations reinstall items removed and remove all protective coverings.

17.28..2. Cleaning: Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove oil and grease before cleaning.

17.28..3. Surface Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and/or as specified herein.

- Application:

17.28..1. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

17.28..2. Gypsum Board: Apply one (1) coat of ECO SPEC WB latex primer (N372) and two (2) coats of ECO SPEC WB eggshell acrylic finish (N474). Benjamin Moore products or approved equal. Color to be selected by Government.

17.28..3. Concrete Masonry Units (CMU): Apply one (1) coat of SUPER SPEC MASONRY Interior/Exterior Acrylic Masonry Sealer (N066) and two (2) coats of ECO SPEC WB eggshell acrylic finish (N474). Benjamin Moore products or approved equal. Color to be selected by Government.

17.28..4. Interior Wood: Apply one (1) coat of ECO SPEC WB latex primer (N372) and two (2) coats of ECO SPEC WB semi-gloss acrylic finish (N476). Benjamin Moore products or approved equal. Color to be selected by Government.

17.28..5. Ferrous Metal (Exterior Doors): Apply one (1) coat of SUPER SPEC HP acrylic metal primer (P04) and two (2) coats of MOORGARD acrylic low lustre finish (N103). Benjamin Moore products or approved equal. Color to be selected by Government.

17.28..6. Non-Ferrous Metal: Clean surfaces with Super Spec HP Oil & Grease Emulsifier (P83). Apply two (2) coats of MOORGARD acrylic low lustre finish (N103). Benjamin Moore products or approved equal. Color to be selected by Government.

17.28..7. PVC (Polyvinyl Chloride) Trim: Apply two (2) coats of Resilience Exterior acrylic latex paint (K42 Series) by Sherman Williams or approved equal.

17.30. Electrical:

17.30.1 All electrical equipment shall be installed in accordance with the current edition of the National Electric Code & in accordance with all army regulations. The sizes and ratings of the electrical equipment (breakers, switches, conduit, conductors, etc.) required shall be determined by the equipment manufacturers' instructions and shall fully comply with the current edition of the National Electrical Code (NEC). Current edition of the NEC is defined as the latest edition at the time of project award.

17.30.2. All electrical equipment shall be installed in a neat and workmanlike manner (as defined by the NEC and described by ANIS/NECA) and in coordination with other trades.

17.30.3. The panel schedule shall be updated after completion of work. One copy of the panel schedule shall be left in panel board and one given to the DPW Electrical Engineer. All breakers within scope shall be labeled to reflect the

updated panel schedule. All outlets, switches, and circuit end points within scope shall be labeled with the panel name and circuit number that they are feed from.

17.30.4. All work shall be done in strict accordance with the current edition of the national electrical code, OSHA regulations and technical requirements listed under the electrical portion of this contract. All materials and equipment shall be installed in accordance with recommendations of the manufacturer as approved by the contracting officer's representative to conform to the contract documents. The installation shall be performed by an electrician licensed in the commonwealth of Massachusetts. All material shall be UL listed for proposed use.

17.30.5. All wires shall be copper stranded type THHN/THWN unless otherwise noted. Minimum wiring shall be copper #12 AWG except where noted, conduit shall be ¾" EMT, as a minimum except where noted. Aluminum wire is not allowed.

17.30.6. All switches, receptacles and plugs shall be specification grade except where noted.

17.30.7. No wiring shall be type nm or "Romex".

17.30.8. MC Cable, where used, shall be anchored per electric codes.

17.30.9. All wiring shall be THHN/XHHN/THWN insulation, rated 600vac and shall be sized per NEC and manufacturer's recommendations, using 90ºC column, in table 310-16, unless otherwise noted. In no case shall the wiring be rated less than the circuit breaker rating feeding the equipment.

17.30.10. All buss bars shall be copper. All breakers shall be bolt on. All buss bars and breakers shall have a minimum ISC rating of 22kA. Branch breakers for HVAC equipment shall also be HACR rated.

17.30.11. Electrical work that will impact buildings, occupants, or equipment shall be coordinated with the KO, the COR, and the DPW electrical engineer two (2) business days in advance.

17.30.12. All wires, conduit, raceways, and other circuit paths shall be concealed unless directed otherwise.

17.30.13. All new circuits/circuit breakers/conductors shall be a minimum of twenty (20) amp circuits.

17.30.14. Any penetration through existing corridor walls or ceiling by new conduit shall be appropriately sealed and fire stopped.

END OF SOW