Directorate of Public Works
Engineering Services Division
White Sands Missile Range, New Mexico

STATEMENT OF WORK

Dyer Street Sidewalk Installation
DPW066975P | 17 March 2026

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PART 1 - DESCRIPTION OF WORK

1.1. **Objectives.** All work shall comply with State, Local and Federal laws and regulations, industry and construction codes and standards, manufacturer's specifications and recommendations, and all contract special provisions, terms and conditions. The Contractor shall be responsible for obtaining all required licenses and permits to perform construction work on a Federal installation, and be properly bonded and insured in accordance with Federal Acquisition Regulation (FAR) requirements. The intent of the contract is to provide for the construction and completion of the work described. The precise details of performing the work are not stipulated except as considered essential for the successful completion of the work. The Contractor shall furnish all labor, material, equipment, tools, transportation, and supplies necessary to complete the work according to the contract. The purpose of this project is to install a new 5-foot wide and 4-inch-thick concrete sidewalk along the West side of Dyer Street from Martin Luther King Bulevard to Aberdeen Street. Work also includes new curb and gutter at locations that do not have curb and gutter and also curb and gutter replacement at locations shown on the plans. Installation of the new sidewalk includes new ADA ramps at all intersections, subgrade processing, and removal and relocation of existing signage that interferes with the alignment of the sidewalk

1.2. **Period of Performance.** After contract award, the Contracting Officer will issue a Preconstruction Authorization. The Preconstruction Authorization is for Administrative and Pre-construction Activities (i.e., pre-construction tasks including coordination with any Government office or the Contracting Officer Representative for example bonds, submittals in accordance with (IAW) Section 2.13.3.2, traffic control plans, digging permits, utility outage requests, oral presentations, approvals for safety plans, and schedules). Preconstruction Authorization is limited to 30 days and non-construction activities. After the first 30 days (Preconstruction Authorization), the Contracting Officer will issue Construction Notice to Proceed (NTP). Construction NTP authorizes the contractor to begin actual construction or physical work on the project. All work shall be completed according to the awarded contract period of performance of no later than 90 calendar days after Construction NTP is issued by the Contracting Officer (KO).

The Contractor shall not commence work unless authorized by the Contracting Officer (KO). All technical questions shall be addressed to the Contracting Officer's Representative (COR) for resolution and clarification.

Barring any contingencies that arise during construction, the Government requires the construction project to be completed within 90 calendar days.

Note: The total Period of Performance (POP), including Preconstruction Authorization and Construction NTP shall not exceed 120 calendar days.

1.3. **Place of Performance.** The work is located at Dyer Street on White Sands Missile Range (WSMR), New Mexico in Dona Ana county. The project is located entirely on the Main Cantonment.

1.4. **Occupancy.** The roadway must always remain passable during construction.

1.5. **Specific Work Requirements.**

1.5.1. Civil. – Project includes the installation of a 5-ft wide and 4-in thick concrete sidewalk. Project also includes the installation of new curb and gutter in some areas and the removal and replacement of curb and gutter in some areas. Concrete ADA ramps will be installed at all intersections as described in the plans.

1.5.2. Demolition. – Project includes the removal and disposal of some areas of existing concrete curb and gutter. Additionally, existing asphalt paving must be sawcut, removed, and disposed for the installation of the new curb and gutter.

1.5.3. Cast in Place Concrete. – Work includes new concrete sidewalk, new concrete curb and gutter at locations that do not have curb and gutter and also concrete curb and gutter replacement at locations shown on the plans. Installation of the new sidewalk includes new concrete ADA ramps at all intersections.

1.5.4. Architectural. – Not Applicable.

1.5.5. Structural. Not Applicable.

1.5.6. Fire Protection. Not Applicable.

1.5.7. Electrical. Not Applicable.

1.5.8. Telecommunications. Not Applicable.

1.5.9. Mechanical/Plumbing/HVAC. Not Applicable.

PART 2 - GENERAL REQUIREMENTS.

2.1. **Basic Guidelines**.

2.1.1. Preconstruction Meeting. The Contractor shall attend a pre-construction meeting held by the Government prior to construction. Construction shall NOT begin until this meeting is held. This meeting serves to answer any questions from the Contractor and to discuss building issues such as storage, security, access, working hours, notifications, etc. The Contractor shall also provide the names of Key Personnel (see Section 2.2). The Contractor shall take minutes of the meetings and submit the minutes to the COR, KO, and Contract Specialist (KS) via the Contract Daily Report (see Section 2.9.2) within five (5) days.

2.1.2. Progress Meetings. The Contractor's project manager and superintendent shall attend any progress meetings held by the Government on a scheduled or unscheduled basis (with 48 hour notice), or on dates determined by the Government. This meeting is for the Contractor to discuss their current progress, to discuss schedule, and to discuss and resolve any other project related issues. The Contractor shall take minutes of the meetings and submit the minutes to the COR, KS, and KO via the Contract Daily Report (see Section 2.9.2) within five (5) days.

2.1.3. Construction Documents. Contractor shall have a copy of the Statement of Work, Drawings, and specifications at the construction site at all times.

2.1.4. Construction Project Information Signage. The Contractor shall install a 4' x 8' project information sign at the work site. The sign will contain information such as project name, Contractor information, etc. A template will be provided by the COR. The sign shall be placed where it can safely be viewed by the general public. In addition to this sign, a worksite bulletin board and Safety and Occupation Health bulletin board (see Section 2.7.9) shall be placed where they are accessible to workers performing work for this project. These signs shall remain in place for the duration of the construction until project acceptance.

2.1.5. Licenses and Permits. The Contractor shall verify all dimensions and investigate existing site conditions prior to submitting proposal. The Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits. The Contractor shall comply with all applicable laws and regulations, including but not limited to Building Codes, Federal Law, New Mexico State Law, Occupational Safety and Health Administration (OSHA) regulations, Army and installation regulations.

2.1.6. Installation Property. Contractor shall exercise extreme caution to protect building finishes, private property, military property, historic material, cultural resources, etc., from damage during the performance of these contract requirements. Contractor shall be responsible for all loss or damage to Government and private property while executing contract requirements as a result of negligence on behalf of the Contractor, subcontractors, or any representatives of the Contractor or subcontractors."

2.1.7. Contractor Vehicles. Contractor's personnel, whose tasks involve operation of any vehicles, shall possess a valid U.S. state driver's license, certificates and permits, applicable for the type and class of vehicle being operated.

2.1.8. Limited Access. The Contractor shall only use existing roadways when transporting personnel and/or material during the execution of the contract. The Contractor shall strictly adhere to the foregoing and shall not develop new ingress or egress roads.

2.1.9. Parking. The Contractor shall ensure that its personnel use designated parking areas only. Personal and non-construction related vehicles shall not be parked on grassy, gravel, or landscaped areas (unless identified as acceptable in drawings).

2.1.10. Buy American Act Construction Materials. Applying to contracts for the construction, alteration, or repair of any public building or public work in the United States, the Contractor shall utilize commercially available off-the-shelf (COTS) construction materials in accordance with Executive Order 10582 and 41 U.S.C. chapter 83, Buy American.

2.2. **Key Personnel.**

The Contractor shall, at a minimum, provide a full-time dedicated Superintendent (IAW 52.236-6, Superintendence by the Contractor) dedicated Site Safety and Health Officer (SSHO)/QCM for the duration of the contract.

The Contractor shall provide to the Contracting Officer (KO), within seven (7) calendar days after Preconstruction Authorization, a letter designating the key personnel prior to any work commencing. No substitutions of the key personnel proposed is authorized without prior written approval of the Contracting Officer. See Section 2.13 for submittal requirements.

In the event of short absences of the key personnel under this contract (or the release of the individual currently performing the work), the Contractor shall request to substitute another fully qualified individual. This request shall be provided, to the Contracting Officer, in writing, no less than three business days prior to the need to substitute.

2.2.1. Project Manager (PM). The Contractor shall provide a PM. The role of the Construction PM is to be the Government's Point of Contact (POC) for projects and administration of construction. Per DPW066975P Dyer Street Sidewalk Installation, the PM is accountable for:

Management of performance of all trade Contractors, review and analysis of SOW, architectural and engineering drawings and specifications; ensuring contract documents and regulations are

comprehended and followed; supervision of Construction Superintendent(s), reviewing and approving their reports, submittals, monitor reported difficulties, and correcting safety violations/ deficiencies; developing, tracking, updating and controlling construction schedule; project management plan, and associated costs to achieve completion of project; coordinating the closure of a project.

The PM shall possess the following:

Language. Full professional working proficiency at speaking, listening, reading, and writing in English.

Experience. Five (5) years of experience (within the last ten (10) years) working as a Construction PM (or in a position with equivalent responsibilities) managing multiple construction projects simultaneously related to the project.

2.2.2. Superintendent. The Contractor shall assign one competent superintendent for each DPW066975P Dyer Street Sidewalk Installation. The superintendent shall be accountable for overall supervision and management of job site coordination, day-to-day operations, schedule adherence, enforcement of safety and quality, managing subcontractors, has authority to act for the Contractor, and shall be on site at all times during Construction. The superintendent is required to attend facility turnover meetings (Red Zone meetings), partnering meetings, and quality control meetings. The qualification requirements for the alternate superintendent are the same as for the superintendent.

The Superintendent shall possess the following:

Language. Full Professional working proficiency at speaking, listening, reading, and writing in English.

Experience. Five (5) years' experience (within the last ten (10) years) working as a Construction Superintendent (or in a position with equivalent responsibilities), managing multiple construction projects simultaneously related to the project. The superintendent must be familiar with the requirements of Engineering Manual (EM) 385-1-1 and have experience in the areas of hazard identification and safety compliance. The individual must be capable of interpreting a critical path schedule and construction drawings. The KO may request proof of the superintendent's qualifications at any point in the project if the performance of the superintendent is in question.

2.2.3. Site Safety and Health Officer (SSHO). The SSHO shall be accountable for overall supervision and management of the Contractor's safety program(s) and plan(s). Contractor shall assign one SSHO for each DPW066975P Dyer Street Sidewalk Installation, who will work simultaneously as the SSHO and QCM. The SSHO shall be on site at all times during construction to implement and administer the Contractor's safety program and Government-accepted Accident Prevention Plan. An alternate shall be identified in the Construction Safety Plan to serve in the event of the SSHO's absence. The requirements for the alternate are the same as the SSHO. The SSHO shall meet the requirements of EM 385-1-1 Section 1. The SSHO must ensure that the requirements of 29 CFR 1926.16 are met for the project. It is responsibility of the Contractor to express to the KO in the event that due to the complexity of the project, one employee will be required for each position.

The SSHO shall be the Government's POC for all aspects relating to safety. The SSHO responsibilities include, but are not limited to facilitating and ensuring the completion of facility safety assessments/investigations of reportable and non-reportable mishaps involving personal injury accidents, property damage, and cases of occupational illnesses; recording accident reports in an accurate, complete, and timely manner; assuring that claims for injuries and illnesses are

posted in the Occupational Safety and Health Administration log; promoting and furnishing applicable safety and health, accident prevention, and investigation training for Contractor's employees; assessing and evaluating work environment, identifying potential hazards, and aiding Contractor, Construction PM, and Construction Superintendent during work place inspections; supporting Contractor, Construction PM(s), and Construction Superintendents in investigating accidents and developing measures to prevent recurrences.

The Safety Manager shall possess the following:

Language. Full professional working proficiency at speaking, listening, reading, and writing in English.

Experience. Five (5) years' experience (within the last ten (10) years) working as a SSHO (or in a position with equivalent responsibilities), identifying potential risks and hazards, investigating accidents, and promote occupational safety on multiple construction projects, simultaneously, related to the project.

Certification. SSHO shall possess active credentials as a Certified Safety and Health Official (CSHO) in construction or Master Certification (MC) from an OSHA Training Institute Education Centers.

2.2.4. Quality Control Manager (QCM). The QCM shall be accountable for overall supervision and management of the construction's quality control and management program(s) and plan(s). Contractor shall assign one QCM for each DPW066975P Dyer Street Sidewalk Installation, who will work simultaneously as SSHO and QCM. The QCM shall be on site at all times during construction and alternate shall be identified in the Construction Quality Control Plan to serve in the event of the QCM's absence. The requirements for the alternate are the same as the QCM. It is the responsibility of the Contractor to express to the KO in the event that due to the complexity of the project, one employee will be required-for each position.

The QCM is to be the Government's POC for all aspects relating to quality control. the QCM responsibilities include but are not limited to the supervision and management of the Contractor's quality control and management program(s) and plan(s) in accordance with specifications; inspecting work for conformance to project plans and specifications identifying issues arising during construction and verifying that deficiencies have been corrected; recording and notifying the PM and/or Superintendent of problems on a timely basis so that corrections can be made without impact to the project schedule; creating, updating and maintaining the project submittal log and all other project specific quality control reports; reviewing shop drawings and submittals for conformance with project specifications by direct review and by leveraging the knowledge and experience of others in the project team when necessary; scheduling, reviewing, certifying, and managing submittals, including those of subcontractors, designers of record, consultants, manufacturers, offsite fabricators, suppliers, and purchasing agents; tracking preparatory, initial, and follow-up control phases and control, verification, and acceptance tests including documentation; continuing development of the project Quality Control Plan to address the specific needs of task orders, as required; examining the work area to assure that all required preliminary work has been completed and is in compliance with the contract; reviewing drawings and each paragraph of applicable specifications, reference codes, and standards applicable to work being performed in the field.

The QCM shall possess the following:

Language. Full professional working proficiency at speaking, listening, reading, and writing in English.

Experience. Five (5) years' experience (within the last ten (10) years) working as a QCM (or in a position with equivalent responsibilities), managing multiple construction projects simultaneously related to the project.

2.3. **Temporary Utilities**.

2.3.1. Water Service. The Contractor may use water from the Government's existing water system. When connecting to the Government's water system, including attaching water hoses to spigots, the Contractor must install a back flow prevention device that is approved by WSMR Water Plant manager (Mr. Andres Serna) at 575-678-1917 (Projects located on main cantonment, downrange, and North of Hwy 70/South of Route 6). For projects located North of Route 6, up-range to Stallion, Contractor must contact Mr. Casey Masterson at 575-202-5341 or Mr. Mark Vega at 575-679-4221. Water usage shall be reported to the COR monthly. Construction water can be obtained from the standpipe on Headquarters Ave located approximately 1 mile southeast of the project location (32.3692, -106.4791).

2.3.2. Electric Power Service. The Contractor may use electric power from the Government's existing electrical system. No temporary electrical service is needed for the project.

2.3.3. Utilities Cutovers and Interruptions. All anticipated utility outages shall be coordinated with the Directorate of Public Works (DPW) through the COR. A minimum advance notice of fourteen (14) calendar days shall be provided by the Contractor. Make utility cutovers and interruptions after normal working hours or on Saturdays, Sundays, and Government holidays unless directed otherwise. Conform to procedures required in paragraph Work Outside Regular Hours.

2.4. **Portable Latrines.** The Contractor shall provide a portable latrine for Contractor use. The designated restroom(s) must be properly maintained, and all Contractor debris removed. The facility must be kept clean. All liquid and solid waste from portable latrines shall be disposed at an approved off-site location.

2.5. **Hours of Operation**.

2.5.1. Normal Work Hours. White Sands Missile Range operates on a five-day work schedule and observes Federal Holidays. Normal working hours for the installation are from 07:00 am to 4:30 pm. The KO may authorize the Contractor to perform work outside of normal working hours and/or working days. If the Contractor desires to work during periods other than the days and hours listed above, a written request shall be made to the KO within four (4) calendar days of their intention.

2.5.2. Entry Restrictions and Roadblocks. The Contractor's and all associated sub-contractor's employees may be required to work in areas subject to entry restrictions, evacuations, and roadblocks. Roadblocks on public highways are normally set for a duration of at least one (1) hour. Internal roadblocks (on non-public WSMR roads) are normally set for a duration of at least two (2) Hours. However, on occasion the duration may be as long as all day. If the Contractor is able to reach the work site and perform at least five (5) hours of work, the Government will consider the day as an official work day. The Contractor is responsible for scheduling operations to avoid unnecessary delays and missed services. Range and roadblock status may be obtained by calling 575-678-1178 or 575-678-2222. Roadblocks time and duration are subject to change without prior notification.

2.5.3. Federal Government Holidays. For Government holidays visit https://www.opm.gov/policy-data-oversight/pay-leave/federal-holidays/#url=Overview.

This list of holidays relates to Government duty days and is not intended to supplement or otherwise alter the provisions of any Wage Determination regarding applicable paid holidays.

It is understood and agreed between the Government and the Contractor that observance of such days by Government personnel will not be a reason for an additional period of performance, or entitlement of compensation except as set forth within the contract. In the event the Contractor's personnel work during the holiday, the Contractor may reimburse them; however, no form of holiday or other premium compensation will be reimbursed either as a direct or indirect cost, other than their normal compensation for the time worked, unless stipulated otherwise. This provision does not preclude reimbursement for authorized overtime work if applicable.

2.5.4. Excused Absence. When the Department of Defense grants excused absence to its employees, the Contractor agrees to continue to provide sufficient personnel to perform critical tasks already in operation or scheduled, and shall be guided by the instructions issued by the KO or the COR.

2.5.5. Furlough. If Government personnel are furloughed, the Contractor shall contact the KO or the COR to receive direction. It is the Government's decision as to whether the contract price/cost will be affected as a result of Government shutdown and/or furloughed Government employees. In the event that Government shutdown and/or furloughed Government employee does impact contract price/cost, a negotiated settlement will be reached as deemed appropriate by the KO.

2.6. **Environmental Quality Program**.

2.6.1. Cleanup and Disposal of Waste Materials. The Contractor shall be responsible for the cleanup and disposal of waste and debris generated during and at the completion of this project. The Contractor shall be responsible for the payment of all disposal costs, fees for obtaining permits and licenses, and transportation costs. In addition, the Contractor shall pay, at no additional cost to the Government, all fines and clean-up costs due to improper disposal or due to spills, leaks, or releases. In general, the waste and debris shall be disposed of IAW all applicable Federal, State, and Local laws and regulations. Specifically, the waste and debris shall be disposed of IAW the jurisdiction having authority, including, any disposal site outside the State of New Mexico. The Contractor shall ensure that all waste and debris is containerized IAW the U.S. Department of Transportation and the jurisdiction having authority laws and regulations. The Contractor shall ensure that all waste is containerized in a manner to prevent uncontrolled and improper spills, leaks, and releases.

2.6.2. Waste Hauler Requirements. All waste haulers shall be licensed IAW the requirements specified in the appropriate New Mexico Administrative Code (NMAC) for the type of waste to be disposed of. In addition, all waste haulers are responsible for obtaining all required licenses and permits for jurisdictions outside of the State of New Mexico if crossing state lines to dispose of the waste.

2.6.3. Waste Disposal. The Contractor shall dispose of all waste and debris as follows:

2.6.3.1. Construction waste and debris.: All construction waste, as defined by the New Mexico Environment Department (NMED) Solid Waste Bureau (SWB) shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, to accept and dispose of construction waste and debris.

2.6.3.2. Municipal solid waste: All municipal type waste and debris, as defined by the NMED SWB shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, to accept and dispose of municipal solid waste.

2.6.3.3. Hazardous Waste, Universal Waste, and Polychlorinated Biphenyl (PCBs): All hazardous/universal waste and PCBs shall be disposed of through the WSMR Hazardous Waste Management Center (HWMC), Building 1870 (Main Post), 575-678-4641. The COR will coordinate with the HWMC to determine if the Contractor is responsible for disposing of the waste directly or if the waste is to be turned over to the HWMC for disposal. The Contractor is responsible for containerizing and transporting the waste in accordance with the U.S. Department of Transportation (USDOT) and the jurisdiction having authority regulations for the transportation of hazardous materials. In addition, the Contractor shall be responsible for completing and managing the waste manifest whenever transporting hazardous waste/universal waste and PCBs.

2.6.3.4. Defense Reserve Ozone Depleting Refrigerants: Ozone depleting refrigerants (R-22) shall be turned over to WSMR Environmental through the DPW HVAC section, Building 1751 (Main Post), 575-678-1750. Cylinders shall be obtained from DPW HVAC section, and returned to the DPW HVAC section. For all other refrigerants and ozone depleting chemicals, the Contractor is responsible for proper disposal off site, including containerizing and transporting the refrigerants in accordance with USDOT and the jurisdiction having authority regulations for the transportation of refrigerants.

2.6.3.5. Asbestos Waste and Debris: All asbestos waste and debris shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, to accept and dispose of the asbestos waste and debris. The Contractor shall ensure that all asbestos waste and debris is containerized and transported in accordance with the USDOT and the jurisdiction have authority regulations. In addition, containers such as roll-offs and trailers shall have rigid sides, bottoms, and tops to transport asbestos waste and debris. Containers with soft covers (e.g. tarps) are prohibited. The Contractor shall be responsible for completing and managing the asbestos waste shipment record in accordance with EPA regulation 40 CFR Part 61 and the State of New Mexico Environment Department Solid Waste Regulations. For any questions regarding asbestos, lead, and solid waste management, please contact Jon Harrison at 575-678-2415, DPW Environmental.

2.6.3.6. Liquid, semisolid, and sludge waste: All liquid, semisolid, and sludge waste shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, accept and dispose of the waste.

2.6.3.7. Waste from Portable Latrines (“Port-a-Potties”): All waste from portable latrines shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority to accept and dispose of the waste.

2.6.3.8. Scrap Metal

NOTE: The WSMR Scrap Metal Yard has been permanently closed and WILL NOT be available for contractor use. All scrap metal, including electrical wiring, shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, to accept and dispose of scrap metal.

2.6.3.9. To the extent possible or if required as part of this project, scrap metal, including electrical wiring, shall be disposed of at the WSMR Metal Scrap Yard (575-678-3160 or 575-640-8522), located 3.5 miles east of Main Post. All glass shall be removed from metal windows and metal doors before transporting the scrap metal to the Metal Scrap Yard.

2.6.3.10. All other waste and debris not specifically noted: Dispose of all other waste and debris IAW the laws and regulations of the jurisdiction having authority.

2.6.3.11. **NOTE: The Hughes Diversion Area has been permanently closed and WILL NOT be available for contractor use. All construction debris and waste shall be disposed of at an off-site location that has been permitted, by the jurisdiction having authority, to accept and dispose of construction waste and debris.**

2.6.4. Prohibitions. The Contractor shall be prohibited from performing the following:

2.6.4.1. On-site burning or incineration of waste and debris.

2.6.4.2. On-site burial.

2.6.4.3. Dumping at locations not permitted by the jurisdiction having authority to accept and dispose of the waste and debris.

2.6.4.4. Use of unlicensed waste haulers.

2.6.4.5. Using containers that are not appropriate for the disposal of waste and debris.

2.6.5. Air Pollution Prevention. The Contractor shall comply with applicable Federal, State, and Local laws and regulations concerning the prevention and control of air pollution. The Contractor shall utilize such methods and devices as are reasonably available to prevent, control, and otherwise minimize atmospheric emissions or discharges of air contaminants. For examples, equipment and vehicles that show excessive emissions of exhaust gases shall not be operated until corrective repairs or adjustments reduce such emissions to acceptable levels.

2.6.6. Dust Control. During the performance of work required, the Contractor shall comply with applicable Federal, State, and Local laws and regulations regarding the prevention, control, and abatement of dust pollution. Materials other than water used for dust control shall be approved by the WSMR Environmental Division. The Contractor shall be responsible for all damages resulting from dust originating from Contractor operations IAW the clause at FAR 52.236-7 entitled "Permits and Responsibilities." The Contractor shall provide all labor, equipment, and materials, and shall use efficient, methods wherever and whenever required to prevent, dust nuisance or damage to persons, property, or activities, including, but not limited to crops, orchards, cultivated fields, wildlife habitats, traffic, and similar conditions.

2.6.7. Water Pollution Prevention. Contractor shall control point source discharges by use of sediment and erosion controls; wastewater and storm water management controls; construction site management practices; best management practices (BMP); and other controls; including Federal, State, and Local control requirements.

2.6.8. Archeological and Cultural Resources. The Contractor shall report any inadvertent archeological or cultural resource discoveries to the COR immediately. Excavating in or driving through known archaeological sites is not allowed. Collecting artifacts on WSMR is prohibited. Using metal detectors to locate archeological resources on WSMR is limited to those holding a valid permit. Off-road vehicular use is prohibited unless in an approved designated area. If cultural artifacts or human remains are discovered on or below the soil surface, stop all activities and contact Public Works Environmental (PWE) at 575-678-2225 immediately to provide information on location.

2.6.9. Wildlife Conservation. Personnel should be aware of snakes, and various other species of wildlife in the area that could cause harm if encountered or disturbed. Report any nuisance, injured, or

dead wildlife discovered at project site immediately. Do not harass, collect, possess, harm, or destroy wildlife or their habitat. Do not provide water or feed wildlife. Do not leave uneaten food at buildings and in the field, to prevent attracting wildlife. Do not litter and clean up all trash left at work site Contact DPW Environmental Division - for assistance with Wildlife at 575-678-2225. Migratory bird nesting season is between 1 March through 31 August. Any ground disturbance or work that has the potential to remove an active nest needs to be surveyed. Area will be surveyed for nesting migratory birds by people who have been determined to be qualified by PW Environmental within 24 hours prior to start of work. For any active nest found with eggs or nestlings, the area of the nest will be avoided by workers IAW PW Environmental instructions.

2.7. **Safety.**

2.7.1. Safety Compliance. Army construction contracts fall within the purview of the US Army Corps of Engineers Safety and Health Requirements Manual, Engineer Manual (EM) 385-1-1, and Occupational Safety and Health Administration (OSHA) Title 29 Part 1910 and 1926. The version in effect at time of contract award will be used. OSHA 29 CFR 1910 Safety and Health Regulations as well as 29 CFR 1926 Safety and Health Regulations for Construction are available online at:

2.7.1.1. http://www.osha.gov/

2.7.1.2. EM-385-1-1 is available online at: http://www.publications.usace.army.mil/USACE-Publications/Engineer-Manuals/

2.7.2. Coordination with Sub-Contractors. The Contractor is the “controlling employer" and is responsible for all work site safety and health conditions including those of the subcontractors. The Contractor shall be responsible for informing their subcontractors of the safety provisions under the terms of the contract and the penalties for noncompliance, coordinating the work to prevent one task from interfering with or creating hazardous working conditions for other tasks, and inspecting subcontractor operations to ensure that accident prevention responsibilities are being carried out.

2.7.3. Traffic Control.

2.7.3.1. Traffic Control shall allow for two-way traffic to continue. When traffic must be rerouted or controlled to accomplish the work, provide necessary warning signs, flag persons, and related equipment for the safe passage of vehicles.

2.7.3.2. Informational Traffic Signs. Contractor shall provide and install informational traffic signs on all road construction projects to alert motorists of upcoming construction dates. Signs shall be properly secured to ensure they are not affected by weather conditions. Signs shall be installed 30 days prior construction and shall be located on adjacent roads approaching construction site. Signs shall indicate: “Road will be closed on X date” or “Road will be partially closed on X date”. All temporary signs shall comply with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).

2.7.3.3. Contractor shall notify the KO five (5) working days in advance before any demolition work is started to ensure traffic control measures are adequate and coordination is accomplished with other activities on the installation in a timely manner.

2.7.4. Site Specific Safety Plan. Construction contracts shall include a site and project specific safety plan. See Section 2.13 for submittal requirements. EM 385-1-1 refers to a safety plan as an Accident Prevention Plan (APP). The safety plan shall be tailored to the project, based on the size

and complexity of the construction to be accomplished and shall include a fall protection and prevention program. A typical safety plan will address such issues as, but will not be limited to, the following:

2.7.4.1. The company's safety and health policy.

2.7.4.2. Company safety inspections of the job site.

2.7.4.3. Use of personnel protective equipment (PPE).

2.7.4.4. Safety rules and penalties associated with not following the rules.

2.7.4.5. Safety training and frequency (identifying hazards, explaining precautions and proper use of equipment/machinery, and the PPE required for the job including how to use and maintain PPE).

2.7.4.6. The steps to be followed to report unsafe working conditions and practices.

2.7.4.7. Special hazards.

2.7.4.8. Hazardous materials.

2.7.4.9. Confined spaces, i.e. entry procedures and ventilation requirements, etc.

2.7.4.10. Lockout tag procedures.

2.7.4.11. Instruction concerning safe operations and appropriate emergency action in the event of accidental exposure.

2.7.4.12. Emergency procedures.

2.7.4.13. Identifying personnel on site who have had first aid training.

2.7.4.14. Identify where communication devices (such as phones, radios or other approved communication devices) are located with appropriate phone numbers posted.

2.7.4.15. Post how to exit the work area in an expeditious and safe manner.

2.7.4.16. The plan will identify the person with lead responsibility for safety, where protective equipment may be obtained and the procedures for reporting a safety hazard.

The person identified as the lead responsible for Safety may also perform Contractor Quality Control (CQC) upon approval by the KO (see Section 2.9.1).

Approval of the Safety Plan does not relieve the Contractor of complying with all applicable safety requirements.

2.7.5. Internal Job Site Safety Inspections. Frequent and regular Contractor internal job site inspections shall focus on identifying and removing hazards. The Contractor's Safety Plan shall explain the disciplinary process that will be followed when the Contractor job inspections find violations to the safety rules. The disciplinary process shall be included in the employee's training and reviewed during regular safety briefings. The Government will review the Contractor's Safety Plan for adequacy, completeness and compliance with OSHA and EM 385-1-1 requirements. The

Contractor shall review and amend the safety plan, as necessary, throughout the life of the contract. Amended safety plans shall be submitted to the COR and KO for approval. The Contractor shall incorporate unusual or high-hazard activities not identified in the original safety plan as they are discovered.

2.7.6. Activity Hazard Analysis (AHA). Before beginning each work activity involving a type of work presenting hazards not experienced in previous project operations or where a new work crew or subcontractor is to perform the work, the Contractor(s) performing that work activity shall prepare an Activity Hazard Analysis (AHA) (sometimes called a job hazard analysis). See section 2.13 for deliverable requirements.

Approval of the Activity Hazard Analysis does not relieve the Contractor of complying with all applicable safety requirements.

2.7.7. Accident Reporting Requirements.

2.7.7.1. The Contractor shall immediately report all accidents or injuries to the COR or his/her designee. If COR or Project Representative is not available, report accidents or injuries to the Garrison Safety manager (575-678-3221). Forward a written report through the COR using Contractor's format or similar IAW DAPAM 385-40 to the Installation Safety Office (ISO) within seven (7) calendar days of occurrence.

2.7.7.2. Damage to Army property. This includes Government furnished material, property, or equipment provided to a Contractor. Contractor must complete DA Form 285 or 285-AB-R (available at http://armypubs.army.mil/), when damage to Army property is equal to or greater than $5,000.00. If Contractor has an issued Common Access Card (CAC), Contractor is required to complete the report through REPORT IT, the Army's online accident reporting system (https://safety.army.mil/). If the Contractor has not been issued a CAC, the forms identified in DA PAM 385-40 must be utilized and provided to the ISO Director or designated representative within seven (7) calendar days of occurrence.

2.7.7.3. The COR shall immediately notify the ISO of a Contractor accident or injury and ensure a written accident report is sent to the ISO within seven (7) calendar days of occurrence.

2.7.7.4. Contractors shall report to the Local OSHA office accidents and injuries in accordance with OSHA reporting requirements (https://www.osha.gov/sites/default/files/OSHA-RK-Forms-Package.pdf).

2.7.8. Safety Meetings. The Contractor shall conduct and document meetings as required by EM 385-1-1. Attach minutes showing contract title, signatures of attendees and a list of topics discussed to the Contractor's daily report (see Section 2.9.2).

2.7.9. Display of Safety Information. The Contractor shall erect a safety and occupational health (SOH) bulletin board at the job site at least one (1) calendar day prior to commencement of work. Include and maintain information on safety bulletin board as required by EM 385-1-1, section 01.A.07 "SOH Bulletin Board". Where size, duration, or logistics of project do not facilitate a bulletin board, an alternative method, acceptable to the COR, that is accessible and includes all mandatory information for employee and visitor review, shall be deemed as meeting the requirement for a bulletin board.

2.7.10. Work in Confined Spaces. The Contractor shall comply with the requirements in Section 34 of USACE EM 385-1-1, OSHA 29 CFR 1910.146, and OSHA 29 CFR 1926.21(b)(6). Any potential for a hazard in the confined space requires a permit system to be used. WSMR Fire Department

issues permits for confined space entry. Please call 575-678-0470 or 575-678-4187 to obtain a permit. Permits shall be requested no later than two (2) working days in advance of the work to be performed. The Contractor shall coordinate with the COR to submit the permit request.

2.7.11. Safety Data Sheets for Hazardous Materials. The Contractor shall submit a List of Hazardous Materials (LHM) and Safety Data Sheets (SDS) IAW requirements of FAR 52.223-3, Hazardous Material Identification and Material Safety Data. See Section 2.13 for submittal requirements.

2.7.12. Radiation Permits and Authorizations. Civilian Contractors bringing radioactive devices (e.g. nuclear soil density meters, X-Ray Fluorescence (XRF) equipment) onto the Installation must have approval from the Garrison Radiation Safety Manager, 575-678-8234/1211. Contractor shall prepare and submit an application (DA Form 3337, http://armypubs.army.mil) to bring in radiation devices at least sixty (60) calendar days prior to anticipated use. Applications shall be submitted through the COR. Contractor shall not bring in any devices without a Government approved application. License requirements are listed below:

2.7.12.1. Nuclear Regulatory Commission (NRC) Licensees will need to complete DA Form 3337 and provide a copy of the license.

2.7.12.2. NM Licensees will need to complete DA Form 3337 and include copy of NM License if work is north of Hwy 70; work south of Hwy 70 will require NRC reciprocity.

2.7.12.3. Agreement State Licensees will need to complete DA Form 3337 and include copy of NRC or New Mexico Reciprocity for work north of Hwy70; work south of Hwy 70 will require NRC reciprocity.

2.7.13. Hot Work Permits. The Contractor shall obtain a hot work permit for any activity that requires an open flame or involves activities such as welding, burning, brazing, soldering, cutting and grinding materials. Hot work permits can be obtained from the WSMR Fire Department. Please call 575-678-3585 or 575-678-4020 or 575-678-7866 to obtain a permit. Permits shall be requested no later than two (2) working days in advance.

2.8. **Quality Control (QC)**.

2.8.1. QC Program Requirements. Establish and maintain a QC system that complies with FAR 52.246-12 Inspection of Construction and as described in this section. The QC program consists of a QC Manager, a QC plan, a Coordination and Mutual Understanding Meeting, QC meetings, three phases of control, submittal review and approval, testing, and QC certifications and documentation necessary to provide materials, equipment, workmanship, fabrication, construction and operations which comply with the requirements of this contract. The QC program shall cover on-site and off-site work and shall be keyed to the work sequence. No work or testing may be performed unless the QCM is on the work site.

2.8.2. Acceptance. Acceptance of the QC plan is required prior to the start of construction. The KO reserves the right to require changes in the QC plan and operations as necessary, including removal of personnel, to ensure the specified quality of work. The KO reserves the right to interview any member of the QC organization at any time in order to verify the submitted qualifications.

2.8.3. Notifications. The Contractor shall inform the COR a minimum of two (2) weeks in advance of the planned starting work date. In addition, the Contractor shall inform the COR a minimum of three (3) weeks in advance of any action that requires notification to the Command Group or the public (e.g., road closures, detours, etc.). Such events will be discussed during the pre-construction meeting.

2.8.4. Quality Control Manager (QCM). See the "Key Personnel" Section of this document for requirements.

2.9. **Contractor Quality Control (CQC) Plan.**

2.9.1. Quality Control Plan (QCP). The Contractor shall prepare and submit a (QCP) describing the actions the Contractor will take to ensure the work meets contract requirements. See Section 2.13 for submittal requirements. The QCP shall also include the name of the Contractor Quality Control Manager (QCM). If any any time during the performance of the contract a new or updated QCP is determined to be required, the Contractor shall provide a revised QCP to the COR with a courtesy copy to the KS and KO within five (5) working days for approval. If specific experience or qualification requirements are called for in the SOW, Plans, or Specifications, (e.g., welder qualification certificate) the QCP will document how these requirements are to be met by the Contractor. During the actual work activities, a QCM shall be on site at all times who is an employee of the prime Contractor and has authority to make decision on behalf of the prime Contractor. The Contractor shall inspect and test work to ensure that quality of materials, workmanship, construction, finish, and functional performance is in compliance with the contract requirements. The QCM shall be responsible for ensuring that all work performed meets the requirements of the contract SOW, plans, and specifications. The person identified as the QCM may also be the lead responsible for Safety upon approval by the KO (see Section 2.7.4.16).

2.9.2. Contractor Daily Reports. The Contractor shall submit a daily report to the COR on the first workday following the date covered by the report. See Section 2.13 for submittal requirements. The daily reports shall have, at a minimum, the following:

2.9.2.1. Contractor activities for the day of the report.

2.9.2.2. Manpower (number of workers by trade).

2.9.2.3. Difficulties (including details of delays or cause which may affect quality or timely completion).

2.9.2.4. Instructions given by the Contractor to subcontractors.

2.9.2.5. Progress information including total project completion percentage (weekly)

2.9.2.6. Minutes of Safety Meetings (see Section 2.7.8).

2.9.3. Construction Phasing. Government will maintain use of the adjacent access areas during construction activities. The Contractor shall be provided with reasonable access and staging areas during construction in the vicinity of the construction. The Contractor shall be responsible for maintaining the construction area and storage facilities and repairing damage caused during construction activities prior to substantial completion and final payment. The Contractor shall remove all stored materials and equipment no later than five (5) days after final acceptance of the work.

2.9.4. Work Area Maintenance. All areas disturbed by the Contractor's operation shall be kept clean by the Contractor. During the course of the work, the Contractor shall periodically, or as directed by the COR, remove and dispose of all surplus construction materials and debris and keep the project

area clean. Upon completion of the work, the Contractor shall remove temporary construction facilities, debris, and unused materials, leaving the project site in a neat and clean condition no later than five (5) days after final acceptance of the work.

2.9.5. Utilities Clearances and Outages.

2.9.5.1. The Contractor shall obtain utility clearances before digging, boring, burrowing, tunneling, excavating and any other penetrations that may damage underground utilities. At least thirty (30) days prior to digging the Contractor shall contact the COR to obtain the Standard Digging Request Form. The Standard Digging Request Form will provide digging clearances for Government owned water, wastewater, natural gas and electric. The Contractor is responsible for clearly marking the area to be disturbed prior to contacting the Government Representatives listed on the form. The completed signed form is to be returned to the COR who will photograph locates and grant the Contractor clearance to dig.

2.9.5.2. The COR will provide the Contractor a copy of the Dig Permit Form provided by the Information Management Directorate. This form is to be used to request clearances for digging in and around Government owned communication lines. It is the responsibility of the Contractor to read the form carefully and provide all information required. The Contractor is to return the completed form to the COR who will photograph locates and grant the Contractor clearance to dig.

2.9.5.3. It is the Contractor's responsibility to obtain clearances for all non-Government owned utilities prior to digging. Clearances may be obtained by calling 811 or 1-800-321-2537 or online at http://www.nm811.org. NOTE: Digging near underground utilities require either hand digging or other methods (such as using a vacuum truck) to prevent damage to the utility (no equipment such as excavators, trenchers, backhoes, etc.). Hand digging requirements differ, see below for requirements. If these distances differ than what is specified by the dig permit, the dig permit distances shall be used.

2.9.5.4. The following utility clearances shall be required before the start of construction:

2.9.5.4.1. Communications lines. (Hand dig within 10 feet of either side of line marking)

2.9.5.4.2. Electrical lines. (Hand dig within 5 feet of either side of line marking)

2.9.5.4.3. Gas lines. (Hand dig within 5 feet of either side of line marking)

2.9.5.4.4. Water lines. (Hand dig within 5 feet of either side of line marking)

2.9.5.4.5. Waste Water lines. (Hand dig within 5 feet of either side of line marking)

2.9.5.4.6. PNM Gas lines. (Hand dig as per PNM requirements)

2.9.5.4.7. Comcast Cable lines. (Hand dig as per Comcast requirements)

2.9.5.4.8. Century Link lines. (Hand dig as per Century Link requirements)

2.9.6. Emergency Suspension of Work.

2.9.6.1. When the Contractor is notified by the COR of noncompliance with the safety provisions of the Contract, the Contractor shall immediately, unless otherwise instructed, correct the unsafe or unhealthy condition. Additionally, the WSMR Safety Office and the WSMR Fire Department have the authority to suspend work under impending emergency situations (Risk of immediate loss of life or serious health issue).

2.9.6.2. If the Contractor fails to comply, all or part of the Work will be stopped by notice from the KO or the KO through the COR.

2.9.6.3. When, in the opinion of and by written notice given by the KO or the COR, satisfactory corrective action has been taken by the Contractor, work shall resume.

2.9.6.4. The Contractor shall not be allowed any extension of time or compensation for damages in connection with a work stoppage for an unsafe or unhealthy condition.

2.9.7. Government Witness. All inspections and tests are required to verify documented contract assumptions, to establish work accomplishment, or to certify performance attainment shall be witnessed by the COR and coordinated by the CQC. The Contractor shall notify the COR in writing at least five (5) work days prior to conducting inspections and tests.

2.9.8. Documentation. The Contractor shall provide two (2) copies of documents containing all test reports/findings to the COR. See Section 2.13 for submittal requirements. Test results shall typically include: item/system tested, location, date of test, test parameters/measured data, date of last calibration done in the equipment, Contractor Inspector/Government witness, test equipment description and measurement technique. When complete, the inspections/tests documents shall be turned over to the COR within three (3) days.

2.10. **Product Requirements.**

2.10.1. General Information. References to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may, at its option, submit for approval a variance for any equipment, material, article, or process that, in the judgment of the COR in conjunction with the Government Project Engineer, is equal to that named in the specifications, unless otherwise specified. The Contractor shall provide data or assurance that the product is equal.

2.10.2. Delivery, Storage, and Hauling. The Contractor shall transport and handle manufactured products IAW manufacturer's instructions. The Contractor shall store and protect all products and materials IAW manufacturer's instructions including temperature and environmental conditions. The Contractor shall remove and replace damaged items with new items.

2.10.3. Installation. The Contractor shall install products IAW manufacturer’s recommendations unless otherwise specified.

2.10.4. Product Data. Product data to be included on material submittals shall include all data that indicates the product meets or exceeds the contract requirements and specifications. The product data shall also include any specific installation procedures, requirements, or restrictions if such information is provided by the manufacturer. See Section 2.13 for submittal requirements.

2.11. **Required Employee Training.** All persons entering WSMR as part of the contract shall complete the following training. Training must be completed prior to requesting Installation access as

described in Section 2.12. Proof of completion of training described in paragraphs 2.11.1 through 2.11.4 for both Contractor and subcontractor workers shall be submitted to the COR no later than seven (7) days after Notice to Proceed. See Section 2.13 for submittal requirements.

2.11.1. Unexploded Ordnance Training. Prior to the start of any work on the installation, all Contractor and sub-contractor employees are required to watch the Installation Unexploded Ordnance Briefing Video (approximately 20 minutes). All Contractor employees are required to complete training on Unexploded Ordnance (UXO). The video training is available at: https://www.denix.osd.mil/uxo/3rs-training/. The completed UXO training certificates shall be submitted to the COR.

2.11.2. Oryx Video – Safe Driving Video. This video is available at: WSMR Safety (army.mil). The video is approximately 4 minutes long.

2.11.3. AT Level-I Training. All Contractor and subcontractor employees, requiring access to Army installations, facilities and controlled access areas shall complete AT Level I awareness. This training takes approximately two (2) hours and is individual computer-based training, not group training. The Contractor shall submit certificates of completion for each Contractor employee and subcontractor employee, to the COR or to the KO, if a COR is not assigned. AT level I awareness training is available at the following website: JKO LMS (jten.mil).
NOTE – Contractor should click on "Standalone Anti-Terrorism Level I Training." Registration is not required.

2.11.4. iWATCH Training. The Contractor and all associated sub-contractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity Anti-Terrorism Officer). 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 appropriate personnel. This training will be provided electronically by the COR and takes approximately ten (10) minutes.

2.12. **Installation Access and Security.**

2.12.1. Installation Access. Contractor shall comply with the requirements of the WSMR Visitor Control Program. The Contractor's and all associated sub-contractor's employees shall provide all information required (to the COR or as required by the WSMR Visitor Control Program) for background checks to meet installation access requirements to be accomplished by Directorate of Emergency Services, and Security Office. Contractor workforce shall comply with all personal identity verification requirements (FAR clause 52.204-9, Personal Identity Verification of Contractor Personnel) as directed by DOD, 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. The Government is not responsible for work delays or additional costs associated with and / or Contractor's failure to obtain clearances for their employees.

NOTE: Employee Training as outlined in Section 2.11 SHALL BE COMPLETED AND SUBMITTED TO THE COR PRIOR TO REQUESTING RANGE ACCESS. Proof of training shall be completed for both Contractor and subcontractor workers. See Section 2.11 – Required Employee Training, and Section 2.13 – Project Submittals.

NOTE: If contractor requires on-the-spot access onto the installation with no prior vetting, they will be required to provide one of the following documents:

- Real ID (must have the star printed on the ID) and must NOT be expired

- Valid Passport – must NOT be expired
- Social Security Card
- Birth Certificate (Original) no copy or photo will be accepted

2.12.2. Contractor Responsibilities. The Contractor shall ensure that all employees carry their Installation access authorization with them during working hours and show them upon request. The Government will periodically verify passes from the Contractor employees with their personal identification. The Contractor shall also ensure that all passes are current, and all passes are originals and not copies. If an employee is terminated the Contractor shall ensure that Installation access passes, badges, or other access credentials are turned in to the COR within one (1) working day.

2.12.3. Removal of Personnel. The Government has the right to remove any Contractor employee at any time during the duration of the contract if that employee fails to meet the Installation Security Requirements. In such case, the Contractor shall ensure that Installation access passes, badges, or other access credentials are turned in to the COR immediately. The Contractor shall submit the name of a replacement within five (5) working days of the removal to the COR.

2.12.4. Photography. Under no circumstances shall the Contractor or any of their subcontractors take photographs of any type while on the installation. Failure to comply with this requirement will result in employee being barred from entering the installation. The Contractor can request, at least forty-eight (48) hours in advance, that photographs be taken by the COR. These photographs will be provided to the Contractor upon security review and approval for release, which may take up to two (2) weeks.

2.13. **Project Submittals.**

2.13.1. Submittals. The Contractor shall furnish all submittals and perform all work required for furnishing submittals to the Government, IAW the clause at FAR 52.236-21 and the requirements in the provisions, clauses, and paragraphs of these specifications.

2.13.2. Submittal Requirements. Contractor shall provide one (1) electronic copy of all submittals to the COR with a courtesy copy forwarded to the Contract Specialist (KS) and KO. Form ENG 4025 shall be used for the submittals. All forms shall be electronically fillable.

2.13.3. List and Timeline of Submittals.

2.13.3.1. During construction, ongoing or periodic documents and items (such as Contractor Daily Reports per Section 2.9.2, test documentation per Section 2.9.8, etc.) shall be submitted as required.

2.13.3.2. No later than fourteen (14) days after Preconstruction Authorization is issued, at a minimum the following submittals shall be provided by the Contractor to the COR with a courtesy copy to the KS and KO:

2.13.3.2.1. Site Specific Safety Plan per Section 2.7.4.
2.13.3.2.2. APP/Safety Plan
2.13.3.2.3. Army Radiation Permit (if required)
2.13.3.2.4. Activity Hazard Analysis per Section 2.7.6.
2.13.3.2.5. Construction Phasing Plan
2.13.3.2.6. Project Submittal Register
2.13.3.2.7. Quality Control Plan per Section 2.9.1.
2.13.3.2.8. Construction Project Information Signage

2.13.3.2.9. List of Hazardous Materials (LHM) per Section 2.7.11.
2.13.3.2.10. Hot Work Permit (if required)
2.13.3.2.11. Shop Drawings (if required)
2.13.3.2.12. Safety Data Sheets (SDS) per Section 2.7.11.
2.13.3.2.13. Construction schedule per Section 2.14; updates by 10th of each month hereafter.
2.13.3.2.14. Traffic Control Plan (if required).
2.13.3.2.15. Designation of Key Personnel per Section 2.2.
2.13.3.2.16. Staging and Laydown Area Plan
2.13.3.2.17. List of subcontractors (SF-1413) per 48 CFR 52.222-11.
2.13.3.2.18. Submittal for all materials used during construction. See Section 2.10.4 for product data requirements.
2.13.3.2.19. Any other project specific submittals not specifically identified in this SOW but otherwise required by specifications, plans, or regulations.
2.13.3.2.20. Documentation of Employee training as per Section 2.11.

NOTE: If at any time during the performance of the contract a new or updated submittal covered under 2.13.3.2 is determined to be required (e.g., a Safety Data Sheet for a material not identified on the original List of Hazardous Materials; variance of material; etc.), then the Contractor shall provide such submittals to the COR with a courtesy copy to the KS and KO within three (3) working days.

2.13.3.3. A minimum of fourteen (14) days before training of Government Personnel, training manuals required per Section 2.13.5 shall be provided to the COR.

2.13.3.4. No later than ten (10) days after construction ends, the following submittals shall be provided by the Contractor to the COR with a courtesy copy to the KS and KO:

2.13.3.4.1. Close out documents required per Sections 2.13.6, 2.13.7, 2.13.8, and 2.13.9.

2.13.4. Government Review of Submittals. Review and acceptance of submittals by the Government does not relieve the Contractor from the responsibility to meet all specifications, drawings, and other required contractual standards or regulations. The Government will require five (5) workdays for review of each submittal or resubmittal furnished by the Contractor for approval.

2.13.5. Training of Government Personnel.
No training for Government personnel is required.

2.13.6. Equipment Manuals, Shop Drawings, and Product Data Manuals. The Contractor shall provide manuals/documentation reflecting "As-Built" constructed building features and systems including specifications, shop drawings, design calculations, product data manuals, containing all approved shop drawing and product/catalog data submissions. Manuals shall be bound in three ring binders and fitted with tab sheets to identify major text divisions. All content shall be legible, first-generation photocopies or prints of published material. Each manual shall be appropriately titled and provided with an introduction and table of contents. If the Government determine that a submitted manual/document fails to represent installed conditions, then the document shall be returned and corrected by the Contractor to the satisfaction of the Government at no additional cost to the Government. Submit to the COR within ten (10) calendar days of the end of construction. See Section 2.13 for submittal requirements.

2.13.7. As-Built Drawings.

The Contractor shall provide one (1) electronic copy (in AutoCAD .dwg format) of the As-Built drawings. If the Government determine that the As-Built drawings fail to represent installed

conditions, then the document shall be returned and corrected by the Contractor to the satisfaction of the Government at no additional cost to the Government. Submit to the COR within ten (10) calendar days of the end of construction. See Section 2.13 for submittal requirements.

2.13.8. Operation and Maintenance Manual. The Contractor shall prepare three (3) detailed Operation and Maintenance Manuals, identifying all procedures, tools, equipment and parts necessary to assure satisfactory operations. Each manual shall also include the manufacturers' names addresses and telephone numbers. The design/build Contractor's name, address and telephone number shall be permanently affixed to the front cover and to the spine of each manual, along with the project number, contract number and the date of submittal of the manual. Submit to the COR within ten (10) calendar days of the end of construction. See Section 2.13 for submittal requirements.

2.13.9. Warranties. At the conclusion of the project, the Contractor shall provide a binder to the COR a current and complete list of all warranted items and equipment responsibilities, specific warranties and guarantees, final certifications, and similar documents at the time of acceptance/substantial completion. The equipment listing shall include; manufacturers name, type of equipment, model number, serial number and specific location that equipment is installed. The list shall also include a point of contact (including name, physical address, phone number, and e-mail address) that the Government can contact to request warranty work. All manufacturer's warranties shall be passed on to the Government and defective parts shall be replaced without added handling surcharges, return fee, freight, restocking fees or other miscellaneous costs. Submit to the COR within ten (10) calendar days of the end of construction. See Section 2.13 for submittal requirements.

2.14. **Construction Schedule.**

2.14.1. Construction Schedule. The Contractor shall develop and submit a Construction Schedule no later than five (5) days after NTP for approval, as specified herein, pursuant to FAR Clause 52.236-15 Schedules for Construction Contracts. Once reviewed and approved by the KO or COR, the Construction schedule and attachments will be enforced as part of the Contract. Schedule shall be prepared using Microsoft Project or compatible software. Failure to include any element of the work on the schedule will not release Contractor from completing all required work under the contract. Prepare schedule based on required sequence and interdependence of activities. Include work of subcontractors, Government interfaces, and contract milestones. The Contractor shall submit an updated schedule by the tenth (10th) of each month throughout the term of this contract.

If the Contractor fails to submit a schedule within the time prescribed, the Contracting Officer may withhold approval of progress payments until the Contractor submits the required schedule. The Contractor shall enter actual progress on the updated schedule as directed by the Contracting Officer, and upon doing so shall immediately deliver three copies of the annotated schedule to the Contracting Officer. If in the opinion of the Contracting Officer or COR, the Contractor falls behind the approved schedule, the Contractor shall take steps necessary to improve its progress, including those that may be required by the KO, without additional cost to the Government. In this circumstance, the KO may require the Contractor to increase the number of shifts, overtime operations, days of work, and/or the amount of construction, and to submit for approval any supplementary schedule or schedules in chart form as the KO deems necessary to demonstrate how the approved rate of progress will be regained. Failure of the Contractor to comply with the requirements of the Contracting Officer under this clause shall be grounds for a determination by the Contracting Officer that the Contractor is not prosecuting the work with sufficient diligence to ensure completion within the time specified in the contract. Upon making this determination, the Contracting Officer may terminate the Contractor's right to proceed with the work, or any separable part of it, in accordance with the default terms of this contract.

2.14.2. Payment and Performance Bonds. Contractor shall submit Payment and Performance Bonds no later than ten (10) days after contract award. The notice to proceed shall be provided by the KO once it has been reviewed and accepted.

2.14.3. Site Clearance and Utility Locate Permit. The Contractor shall obtain and submit the latest written Site Clearance and Utility Locate Permit prior to starting excavation work immediately upon contract award, before any drilling, digging, or excavation is undertaken. No digging, trenching or excavation shall start until an approved Site Clearance and Utility Locate Permit is obtained. The required Site Clearance and Utility Locate Permit WSMR Form (DPW) will be provided by the COR. Contractor shall verify the location of all utilities prior to any excavation or demolition operation. Contractor is responsible to repair any utility damaged during the excavation work if the utility was indicated by the utility provider. No demolishing, removing, or altering the areas shall take place until prior coordination between the Contractor's Representative and the Government's Quality Assurance Inspector.

If work is not started within 14 days of completion of the Site Clearance and Utility Locate Permit, Contractor shall request the remarking of site. If Contractor fails to comply and WSMR/DPW infrastructure is damaged, the Contractor will be liable for repairs and charges.

Site Clearance and Utility Locate Request dig permit shall be completed no later than (60) calendar days after contract award. Contractor's delay to complete Site Clearance Utility Locate Request dig permit without a valid written justification to COR, KO and KS within (30) calendar days of contract award about dig permit progress being out of Contractor's control announcement, will account for Liquidated damages assessment without the justification for time extension request.

2.14.4. Project Submittal Register. Contractor shall submit a Submittal Register within seven (7) days of NTP and prior to submitting any other submittals for review and approval. Review and approval of the Project Submittal Register shall be required prior to submission of other submittals herein. It shall outline lead times and a list of submittals required for the project. Contractor shall use the latest version of ENG FORM 4288-R and can be found at https://www.publications.usace.army.mil/USACE-Publications/Engineer-Forms/. Once reviewed and accepted by the KO, the Submittal Register and attachments will be enforced as part of the Contract and shall include the following but not limited to:

Procedures for scheduling, reviewing, certifying, and managing submittals, including those of Subcontractors, offsite fabricators, suppliers, and purchasing agents Subcontractors, consultants, offsite fabricators, suppliers, materials, and purchasing agents.

2.15. **Hazardous Building Material Abatement.**

Not Required

2.16. **Schedule of Items.**

2.16.1. Base Items.

2.16.1.1. Base Item 0001: Project includes the installation of 5-ft wide and 4-in thick concrete sidewalk along the West side of Dyer Street from Martin Luther King Bulevard to Aberdeen Street. Project also includes the installation of 2-ft concrete curb and gutter at locations that do not currently have curb and gutter and replacement of existing curb and gutter in some areas. Work also include the installation of concrete ADA ramps at all intersections the removal and relocation of signage to accommodate the new sidewalk.

Unit of Measure: Job.

Payment will be made for costs associated with design and installation of concrete sidewalk, curb and gutter, and ADA ramps all other components as shown in the design documents.

2.16.2. Option Items.

2.16.2.1. Not required.

2.17. **Construction Drawings.**

2.17.1. Construction Drawings. After contract award and completion of design, the Contractor and the DPW Engineering Services Division Chief shall sign the final construction drawings (Design Construction Drawings provided by Design Contractor), and such drawings shall be marked "ISSUED FOR CONSTRUCTION". Only drawings so marked and signed shall be considered as part of the contract.

The project consists of the work and requirements described in the construction drawings provided with this procurement package, consisting of the following drawings:

SHEET	DRAWING	TITLE
01	G1	COVER SHEET
02	G2	GENERAL NOTES AND SITE MAP
03	C1	DYER ST SIDEWALK PLAN STA. 0+00 TO STA. 12+60
04	C2	DYER ST SIDEWALK PLAN STA. 12+60 TO EOP
05	C3	CONSTRUCTION DETAILS

PART 3 - Applicable Codes/Standards.

3.1. **Applicable Publications.**

The Contractor (to include Subcontractors) shall abide by all, and most current, applicable state and federal regulations, publications, manuals, and local policies and procedures involving architectural, civil, structural, electrical, environmental, and mechanical disciplines associated with the design and construction of a specific project.

The following list is an overview of typical publications used for this project, not inclusive:

NMDOT Standard Specification for Highway and Bridge Construction, latest edition
AASHTO- A Policy on Geometric Design of Highways and Streets, latest edition
AASHTO- Roadside Design Guide, latest edition
AASHTO M 288 - Standard Specification for Geotextile Specification for Highway Applications
AASHTO MEPDG - Mechanistic-Empirical Pavement Design Guide: A Manual of Practice
ASTM C78/C78M - Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)
ASTM D560/560M/560M - Standard Test Methods for Freezing and Thawing Compacted Soil-Cement Mixtures
ASTM D698 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12 400 ft-lbf/ft3 (600 kN-m/m3))

ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))
ASTM D1883 - Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils
ASTM D2487 - Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)
ASTM D4429 - Standard Test Method for CBR (California Bearing Ratio) of Soils in Place
ASTM D4632/D4632M - Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
ASTM D4751 - Standard Test Method for Determining Apparent Opening Size of a Geotextile
ASTM D4833/D4833M - Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products
ASTM D6951/D6951M - Standard Test Method for Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications

3.2. **Specifications.**

01410 Testing Laboratory Services
01560 Temporary Controls
01570 Traffic Regulation
01710 Cleaning
02070 Selective Demolition
02550 Concrete Curb, Gutter and Drive Pads

SECTION 01410

TESTING LABORATORY SERVICES

PART 1 GENERAL

1.01 WORK INCLUDED

A. CONTRACTOR shall employ and pay for the services of an independent testing laboratory to perform specified services and testing.

1.02 RELATED WORK

A. Conditions of the Contract: inspections and testing required by laws, ordinances, rules, regulations, orders or approval of public authorities.

B. Each specification section listed: laboratory tests required and standards for testing.

1.03 QUALIFICATION OF LABORATORY

A. Must meet American Council of Independent Laboratories, "Recommended Requirements for Independent Laboratory Qualification".

B. Must meet basic requirements of ASTM E329, "Standard of Recommended Practice for Inspection and Testing Agencies for Concrete and Steel as Used in Construction".

C. Must be authorized to operate in the state in which the project is located.

D. Testing equipment must be calibrated at reasonable intervals by devices of accuracy traceable to either:
   1. National Bureau of Standards.
   2. Accepted values of natural physical constants.

E. Selected by the CONTRACTOR, approved by the COR.

1.04 LABORATORY DUTIES

A. Cooperate with COR and CONTRACTOR, provide qualified personnel after due notice.

B. Perform specified inspections, sampling and testing of materials and methods of construction.
   1. Comply with specified standards.
   2. Ascertain compliance of materials with requirements of Contract Documents.

C. Promptly notify COR and CONTRACTOR of observed irregularities or deficiencies of work or products.

D. Written Report:
   1. Promptly submit for each test and inspection.
      a. Two copies to COR.
      b. Number of copies as required to CONTRACTOR.
   2. Each report shall include:
      a. Date issued.
      b. Project title and number.
      c. Testing laboratory number, address and telephone member.
      d. Name and signature of laboratory inspector.
      e. Date and time of sampling or inspection.
      f. Record of temperature and weather conditions.
      g. Date of test.
      h. Identification of product and specification section.
      i. Location of sample or test in the Project.
      j. Type of inspection or test.
      k. Results of tests and compliance with Contract Documents.
      l. Interpretation of test results when requested by COR.

E. Perform additional tests as required by COR.

F. In all cases, the COR shall determine the number, type and location of tests.

1.05 LIMITATIONS OF AUTHORITY OF TESTING LABORATORY

A. Laboratory is not authorized to:
   1. Release, revoke, alter or enlarge on requirements of Contract Documents.
   2. Approve or accept any portion of the works.
   3. Perform any duties of the CONTRACTOR.

1.06 CONTRACTOR'S RESPONSIBILITIES

A. Cooperate with laboratory personnel, provide access to Work and manufacturer's operations.

B. Secure and deliver to the laboratory adequate quantities of representational samples of materials proposed to be used and which require testing.

C. Provide to the laboratory the preliminary design mix proposed to be used for concrete and other material mixes which require control by the testing laboratory.

D. Furnish copies of product test reports as required.

E. Furnish incidental labor and facilities:
   1. To provide access to Work to be tested.
   2. To obtain and handle samples at the Project site or at the source of the product to be tested.
   3. To facilitate inspections and tests.
   4. For storage and curing of test samples.

F. Make arrangements with laboratory to pay for additional samples and tests required for CONTRACTOR'S convenience and retests required for previously failed tests.

G. Make arrangements with testing laboratory on a timely basis for all testing required by job progress, conditions or the COR.

END OF SECTION

SECTION 01560

TEMPORARY CONTROLS

PART 1 GENERAL

1.01 WORK INCLUDED

A. Provide and maintain methods, equipment and temporary construction as necessary to provide controls over environmental conditions at the construction site and related areas under CONTRACTOR'S control.

B. Remove physical evidence of temporary facilities at completion of Work

1.02 NOISE CONTROL

A. Limit to:
   1. Practical extent.
   2. Normal working hours when practical. The normal working hours are between 7 am to 4:30 pm, Monday through Friday.

1.03 DUST CONTROL

A. Provide positive methods and apply dust control materials to minimize raising dust from construction operations.

B. Provide positive means to prevent airborne dust from dispersing into the atmosphere.

C. Provide truck bed covers on all trucks and other conveyances hauling any loose materials within public right of way.

1.04 WATER CONTROL

A. Provide methods to control surface water to prevent damage to the Project, the site or adjoining properties.

B. Drainage:
   1. Control fill, grading and ditching to direct surface drainage away from excavations, pits, tunnels and other construction areas.
   2. Direct drainage to proper runoff.

C. Provide, operate and maintain hydraulic equipment of adequate capacity to control surface water and groundwater.

D. Dispose of drainage water and dewatering water in a manner to prevent flooding, erosion or other damage to any portion of the site or to adjoining areas.

1.05 RODENT AND PEST CONTROL

A. As found necessary during construction.

1.06 DEBRIS CONTROL

A. Maintain all areas under CONTRACTOR'S control free of extraneous debris.

B. Initiate and maintain a specific program to prevent accumulation of debris at construction site, storage and parking areas or along access roads and haul routes.
   1. Provide containers for deposit of debris.
   2. Prohibit overloading of trucks to prevent spillages on access and haul routes.
   3. Provide periodic inspection of traffic areas to enforce requirements.

C. Periodic Debris Collection:
   1. Schedule periodic collection and disposal of debris.
   2. Provide additional collections and disposals of debris whenever the periodic schedule is inadequate to prevent accumulation.

1.07 SECURITY

A. Provide adequate temporary fencing to secure the project site and all staging areas.

END OF SECTION

SECTION 01570

TRAFFIC REGULATION

PART 1 GENERAL

1.01 SCOPE OF WORK

A. To submit a traffic control plan to COR for approval.

B. Provide, operate, and maintain equipment, services and personnel with traffic control and protective devices as required to expedite public vehicular traffic flow and access on haul routes, at site entrances, on site access road, parking areas and any areas affected by construction operations. This item includes signs, signposts (permanent or portable), barricades, cones, drums, warning lights or flashers, temporary striping, flags, flaggers, and any other incidental items as shown on the plans or as required by the COR. All traffic control devices and procedures shall meet the minimum requirements as stated in the Manual on Uniform Traffic Control Devices.

C. Remove temporary equipment and facilities when no longer required; restore grounds to original or specified conditions.

1.02 TRAFFIC CONTROL

A. Traffic shall meet or exceed any requirements stipulated by New Mexico Department of Transportation (NMDOT).

B. Whenever a street or thoroughfare is to be closed or partially closed, the Contractor shall notify the COR and nearby facilities of such closing and the length of time the street will be closed to traffic. This notice shall be given forty-eight (48) hours prior to the closing and shall be coordinated with the COR.

C. Local access shall be maintained for all streets. The Contractor will be required to keep as much roadway open as possible to provide access for occupied facilities. The Contractor shall supply signing, markings, or flagmen as needed to permit local traffic onto the streets where construction is in progress.

D. During working hours, the Contractor may close portions of the street for short durations (2-4 hours) to facilitate construction, such as during asphalt patching operations.

E. At the end of each day, all streets, side streets and driveways shall be left in a fully passable condition. The Contractor shall close trenches and clean the job

site before the end of each day, weekends, or holidays. All sidewalks and public walkways shall be open. During non-working hours, all streets shall be open to traffic.

1.03 TRAFFIC CONTROL SIGNALS AND SIGNS

A. Provide traffic control and directional signs for all closures and detours, mounted on barricades or standard posts with warning flashing lights.

B. Traffic control shall be in full conformance with Department of Transportation "Manual on Uniform Traffic Control Devices for Streets and Highways," latest edition. Any deviation from "MUTCD" requires prior approval of COR.

1.04 CONSTRUCTION PARKING CONTROL

A. Control Contractor's and construction personnel's private vehicular parking to preclude interference with public traffic or paving, access by emergency vehicles or facility operations.

1.05 SPECIAL REQUIREMENTS FOR THIS PROJECT

A. Provide traffic and detour controls and signs as required per approved traffic control plans.

B. The Contractor shall have a responsible person on site during working hours and on call during non-working hours to inspect and maintain project traffic control.

C. Removal:
1. All non-applicable signing shall be removed or covered completely with an opaque, non-light-transmitting material.
2. All remaining, non-applicable traffic control devices are to be removed.

END OF SECTION

SECTION 01710

CLEANING

PART 1 GENERAL

1.01 WORK INCLUDED

A. Execute cleaning during progress of the Work and at completion of the Work, as required.

1.02 RELATED WORK

A. Conditions of the Contract

B. Each Specification Section: Cleaning for specific products or work.

1.03 DISPOSAL REQUIREMENTS

A. All unsuitable material, vegetation, trash, debris, etc. from the excavation shall be disposed of off-site at a location approved by the COR.

B. The CONTRACTOR shall make his own arrangements for disposal subject to submission of proof to the COR that the OWNER(S) of the proposed site(s) have a valid fill permit issued by the appropriate governmental agency.

C. The CONTRACTOR shall provide watertight conveyance of any liquid, semi-liquid, or saturated solids which tend to bleed or leak during transport. No liquid loss from transported materials will be permitted whether being delivered to the construction site or being hauled away for disposal. Fluid materials hauled for disposal must be specifically acceptable at the selected disposal site.

D. The CONTRACTOR shall comply with all necessary permits, licenses and authorizations regarding the removal, transport and disposal of waste as are required by all applicable Federal, State and local laws and regulations.

E. Trash burning will not be permitted on the construction site.

PART 2 PRODUCTS

2.01 MATERIALS

A. Use only those cleaning materials which will not create hazards to health or property and which will not damage surfaces.

B. Use only those cleaning materials and methods recommended by manufacturer of the surface material to be cleaned.

C. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.

PART 3 EXECUTION

3.01 DURING CONSTRUCTION

A. Execute periodic cleaning to keep the Work, the site and adjacent properties free from accumulations of waste materials, rubbish and windblown debris resulting from construction operations, at no additional cost.

B. Provide on site containers for the collection of waste materials, debris and rubbish.

C. Remove waste materials, debris and rubbish from the site periodically and dispose of at legal disposal areas away from the site.

3.02 DUST CONTROL

A. Dust shall be minimized by wetting down bare soils during windy periods, or if requested by the COR.

B. The operation of dumping rock and of carrying rock away in trucks shall be so conducted as to cause a minimum of noise and dust.

C. Vehicles carrying rock, concrete, or other material shall be routed over such streets as will cause the least annoyance to the public.

D. All unpaved streets, roads, detours, or haul roads used in the construction area shall be given an approved dust-preventative treatment or periodically watered to prevent dust as directed by the COR.

3.03 FINAL CLEANING

A. Employ skilled workmen for final cleaning.

END OF SECTION

SECTION 02070

SELECTIVE DEMOLITION

PART 1 GENERAL

1.01 SCOPE OF WORK

A. Extent of selective demolition work is indicated on Drawings.

B. Types of selective demolition work: demolition requires the selective removal and subsequent offsite disposal of the following and other items as required:
   1. Portions of existing paved surfaces as indicated on Drawings and as required to accommodate new construction.
   2. Portions of concrete curb and gutter as indicated on Drawings.

1.02 SUBMITTALS

A. Schedule:
   1. Submit schedule indicating proposed methods and sequence of operations for selective demolition work to the COR for review not less than two weeks before commencement of work.
   2. Include coordination for parking lot closure as required, together with details for dust and noise control protection.
      a. Provide detailed sequence of demolition and removal work to ensure uninterrupted progress of facility POC’s on-site operations.
      b. Coordinate with facility POC continuing operation of portions of existing structures.

1.03 JOB CONDITIONS

A. Occupancy:
   1. Facility personnel will be continuously occupying areas of the structures immediately adjacent to areas of selective demolition.
   2. Conduct selective demolition work in a manner that will minimize need for disruption of the facility personnels normal operations.
   3. Provide minimum of two weeks' advance notice to the facility POC of demolition activities which will severely impact the facility POC’s normal operations.
   4. Examples of such activities shall include but not be limited to removal of existing pavement and curb and gutter.

B. Partial Demolition and Removal:

1. Items indicated to be removed.
2. Transport salvaged items from site as they are removed.

C. Protection:
1. Provide temporary barricades and other forms of protection as required to protect the general public from injury due to selective demolition work.
2. Provide protective measures as required to provide free and safe passage of the general public to and from occupied portions of adjacent buildings.
3. Provide temporary weather protection during interval between demolition and removal of existing construction and installation of new construction in areas where exposure to weather could cause damage to existing construction.
4. Remove protection at completion of work.

D. Damages: promptly repair damages caused to adjacent facilities by demolition work at no additional cost.

E. Traffic:
1. Conduct selective demolition operations and debris removal in a manner to ensure minimum interference with roads, streets, walks and other adjacent occupied or used facilities.
2. Do not close, block, or otherwise obstruct streets, walks or other occupied or used facilities without written permission from authorities having jurisdiction.
3. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.

F. Explosives: use of explosives will not be permitted.

G. Utility Services:
1. Maintain existing utilities and keep in service and protect against damage during demolition operations.
2. Do not interrupt existing utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction.
3. Provide temporary services during interruptions to existing utilities, as acceptable to governing authorities.

H. Environmental Controls:
1. Use water sprinkling, temporary enclosures, and other suitable methods to limit dust and dirt rising and scattering in air to lowest practical level.
2. Comply with governing regulations pertaining to environmental protection.
3. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, or pollution.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL

A. No demolition of the existing sidewalks, curb & gutters or parking lot areas shall commence until the Contractor has notified the COR.

3.02 INSPECTION

A. General:
   1. Prior to commencement of selective demolition work, inspect areas in which work will be performed.
   2. Photograph existing conditions to structure surfaces, equipment or to surrounding properties which could be misconstrued as damage resulting from selective demolition work.
   3. File photographs with COR prior to starting work.

3.03 DEMOLITION

A. General:
   1. Perform selective demolition work in a systematic manner.
   2. Use such methods as required to complete work indicated on Drawings in accordance with demolition schedule and governing regulations.
   3. Cut concrete at junctures with construction to remain using power-driven saw or hand tools; do not use power-driven impact tools.
   4. Completely demolish and remove existing portions of roadway surfacing as indicated on the Drawings.
   5. For slabs-on-grade, use removal methods that will not crack or structurally disturb adjacent slabs or partitions; use power saw where possible.

END OF SECTION

SECTION 02550

CONCRETE CURB-AND-GUTTER AND DRIVEPADS

PART 1 GENERAL

1.01 SCOPE OF WORK

A. This work shall consist of the construction of Portland Cement concrete curb-and-gutter, sidewalks, aprons, and drivepads as indicated on Drawings

1.02 REFERENCES

A. New Mexico Department of Transportation Standards Specifications for Highway and Bridge Construction, latest edition.

B. American Association of State Highway and Transportation Officials:
   1. AASHTO M33, “Preformed Expansion Joint Filler for Concrete (Bituminous Type)”.
   2. AASHTO M153, “Preformed Sponge Rubber and Cork Expansion Joint Fillers for Concrete Paving and Structural Construction”.
   3. AASHTO M173, “Concrete Joint-Sealer, Hot-Poured Elastic Type”.
   4. AASHTO M55, “Welded Wire Fabric for Concrete Reinforcement”.

C. American Concrete Institute:
   1. ACI 847.

D. American Society of Testing and Materials
   1. ASTM A82.
   2. ASTM N85.

1.03 QUALITY ASSURANCE

A. Allowable tolerances: finished surfaces will not be acceptable if varying from a straight line by more than 0.5-inch when checked with a 10 foot straightedge.

PART 2 PRODUCTS

2.01 PORTLAND CEMENT CONCRETE

A. Comply with ASTM C94.

B. Water to Portland Cement Ratio: maximum 0.50.

C. Slump: maximum 4" unless otherwise scheduled.

D. Compressive Strength: 28 days at 3000 psi unless otherwise scheduled or shown on the Drawings.

E. Volumetric Air Content: 4.5% ±1.5%; air may be omitted for interior slabs to be trowel finished.

F. Admixtures:
1. Content, batching method and time of introduction in accordance with the manufacturer's recommendations for compliance with this specification.
2. Include a water reducing admixture.
3. Calcium chloride shall not be used.

G. Coarse Aggregate:
1. Maximum nominal dimension ¾-inch.
2. Maximum nominal dimension 1.5 inch for members greater than 18 inches.

H. Consistency:
1. Suitable for the placement conditions.
2. Slump uniform.
3. Aggregate floating uniformly throughout the concrete.
4. Flow sluggishly when vibrated or spaded.

I. Adjust mix in field with COR’s approval, as required to meet specifications.

2.02 JOINT FILLERS

A. Preformed expansion joint filler: AASHTO M33 or M153.

2.03 JOINT SEALERS

A. AASHTO M173.

2.04 REINFORCING

A. AASHTO M55.

B. 6" x 6"- No. 6 welded wire fabric with supporting chairs shall be installed in all drive pads.

PART 3 EXECUTION

3.01 INSPECTION

A. Prior to placing forms, verify that the subgrade has been compacted to the minimum 95% ASTM-D1557.

3.02 FINISHING

A. Curb: give concrete a light broom finish with the brush marks parallel to the curb line or gutter line.

B. Sidewalk and drivepads: give concrete a light broom finish with the brush marks perpendicular to the curb line or gutter line.

3.03 JOINTS

A. General. Construction joints shall be located as shown on the plans and at other points as may be necessary during construction provided that the location and nature of additional joints shall be made as shown in the details on the plans. In resuming work abutting a construction joint, the surface of the concrete previously placed shall be thoroughly cleaned of dirt, scum, latence, or other soft material and shall be roughened. The surface then shall be thoroughly washed with clean water. All contraction and expansion joints must be constructed at the time the concrete is poured and finished and shall be a minimum of 1/8" in depth of the concrete being weakened. Expansion joints shall be one-half inch (1/2") thick, shall be formed to the surface shape, and shall extend to full depth. The top shall be even with the finished surface after the concrete has hardened.

B. Concrete Curb and Gutter. Expansion joints shall be placed at not greater than fifty foot (50') intervals, at the tangent points of all curves, and as further shown on the plans.

C. Contraction joints (weakened plane joints) shall be placed at ten foot (10') centers and shall be formed with metal templates not more than 1/8th inch thick.

D. Sidewalk. Expansion joints shall be provided at twenty feet (20') on centers and where sidewalks abut existing walks, buildings, driveways, and other construction. Contraction joints shall be provided at the same location as joints in curb and gutters and at 5' intervals (midpoints).

E. Drivepads and Valley Gutters. Drivepads and valley gutters shall have expansion and contraction joints as shown on the drawings. Drivepads from 12' to 35' long shall have one-half inch (1/2") preformed expansion joints at centerline. Valley

gutter joints shall have the preformed expansion joint filler depressed one half inch and the top half inch shall be filled with joint filler.

F. All expansion joints shall be sealed.

3.04 BACKFILLING

A. Remove all forms.

B. Do not place earth backfill or pavement adjacent to curb-and-gutter or sidewalk until at least seven curing days have elapsed.

C. Backfill with approved material.

D. Thoroughly compact backfill to the same density as the subgrade and at the proper moisture content.

3.05 SCHEDULE

A. Concrete for curb-and-gutter on this project shall meet the following requirements:
   1. Compressive strength at 28 days: 3000 psi.
   2. Design slump: 4" maximum.

END OF SECTION