SCHEDULE B

ATTACHMENT I

additional AND SPECIFIC REQUIREMENTS

1. SPECIFIC REQUIREMENTS

Specific requirements herein are associated with particular Paragraphs of Schedules “A”, “B” and “D”, as referenced in the Paragraphs below.

Schedule “A”:

* 1. Reference Paragraph 1.1 “Key Personnel” Definition - Additional Key Personnel

Additional Key Personnel skill or title positions are as follows:

• Executive Secretary

• Technical clerks

• Document control man

* 1. Reference Paragraph 6.2: Subsurface Documentation

Required subsurface documentation are included as part of technical scope of WORK as detailed in Issued for Construction (IFC) Package.

**Schedule “B”:**

* 1. Reference Paragraph 2.1.3: Applicable Standards for Job Specification

The list of applicable standards for the Job Specification are as follows:

* SAUDI ARAMCO Engineering Standards (SAES).
* SAUDI ARAMCO Engineering Procedures (SAEP).
* SAUDI ARAMCO Materials System Specifications (SAMSS).
* SAUDI ARAMCO Engineering Reports and Related Drawings.
* SAUDI ARAMCO Supplements Manual.
* SAUDI ARAMCO Standard Drawings.
* SAUDI ARAMCO Inspection Requirements.
* Regional Organization for the Protection of the Marine Environment (ROPME) Protocol
* Metrology and Environmental Protection Administration (MEPA) Guidelines
* Saudi Arabian Standards Organization (SASO).
* SAUDI ARAMCO Sanitary Code.
* SAUDI ARAMCO CADD Manual.
* Saudi Arab Government Safety and Security Directives.
* Operating Instructions Manuals (OIM), as applicable.
* SAUDI ARAMCO General Instructions, as applicable.
* SAUDI ARAMCO Inspection Procedures.
* SAUDI ARAMCO Marine Instructions.
* SAUDI ARAMCO Construction Safety Manual.
* SAUDI ARAMCO Drawing Management System (DMS) Users Manual
* Applicable SAUDI ARAMCO Facility Operations Manuals including specifications for use of Fire Resistant Clothing
* **Other Referenced Documents – Any other specific reference within this Contract or the attachments thereto, to SAUDI ARAMCO or INDUSTRY DOCUMENTS.**

The effective standards cutoff date shall be July 1, 2017.

* 1. Reference Paragraph 2.3: Additional Work Requirements
     1. CONTRACTOR shall provide a complete Process Control System (PCS) that meets all requirements set forth in this Job Specification and shall procure the PCS system in accordance with the provisions set forth in this Contract.

CONTRACTOR shall integrate and control new instruments to the existing DCS – ESD system with required hard and soft wares. In addition, CONTRACTOR shall procure all required materials in accordance with the provisions set forth in this Contract.

* 1. Reference Paragraph 2.12: Commissioning Data Packages

CONTRACTOR shall develop and issue to Company Representative Data packages for the following:

* Installation and startup checklist
* Safety Relief Devices (PZVs)
* Transfer pumps
* Cyclone separators
* Piping/Equipment Pressure Testing
* Equipment Energizing
* Instrumentation Loop Checks
* Equipment Final Acceptance/Closure
* Mechanical Tie-ins
* Demolishing
* Instrumentation and electrical Tie-ins
* Fire Protection and Detection Systems Testing
* CP
* Equipment and Motor Energizing/Field Test and Shop Test
* Cut over and dewatering ( if any )
* Any required packages requested by SAPMT during construction
  1. Reference Paragraph 3.14.3: Required Vendor Representatives for Equipment

CONTRACTOR shall provide Vendor representatives for installation and Pre-Commissioning services for the following types of equipment:

| Equipment | Installation | Pre-commissioning | Commissioning and start- up activities |
| --- | --- | --- | --- |
| Transfer pumps | X | X | X |
| Cyclone Separators | X | X | X |
| VFD system | X | X | X |
| Z Valves, other valves | X | X | X |
| Cathodic Protection System | X | X | X |
| RTR Vendor Pipe, other Pipes | X | X | X |
| Corrosion management System. | X | X | X |
| Process Control System (DCS, and associated field instrumentations) | X | X | X |
| ESD System integration ( Valves and associated field instrumentations) | X | X | X |

* 1. Reference Paragraph 3.16.1: Commissioning and Start-Up Assistance

Commissioning and start-up assistance shall not exceed 1000 man-hours of labor and 400 hours of equipment time.

* 1. Reference Paragraph 3.17.2: Performance Acceptance

Minimum FACILITIES operating time shall be sixty 1440 hours.

* 1. Reference Paragraph 4.3.4: Project Execution Plan Copies

CONTRACTOR shall provide threecontrolled hard copies plus an electronic copy of the Approved PEP. Schedules for the PEP shall be developed and created using a SAUDI ARAMCO Approved version of Primavera scheduling software unless otherwise directed by SAUDI ARAMCO.

* 1. Reference Paragraph 4.5.4: Contractor Organization and Personnel

The following personnel shall be relocated to the WORK site:

* Project Manager
* Construction Managers
* Instrumentation and Controls Engineer
* project Scheduler
* Project Interface Engineer
* Electrical Engineer
* Piping Engineer
* RTR Engineer
* Mechanical/Rotating Equipment Engineer
* Civil/Structural Engineer
* Control Systems Specialist
* Instrumentation Specialist
* Constructability Program Manager
* QA Manager
* QC Manager
* Health Safety & Environmental Manager (s)
* Executive Secretary
* Technical clerks
* Document controller
* Lead Instrumentation and Controls Engineer
* Project Interface Manager
* Lead Electrical Engineer
* Lead Piping Engineer
* Lead Mechanical/Rotating Equipment Engineer
* Lead Civil/Structural Engineer
* Control Systems Specialist
* Instrumentation Specialist
* Constructability Program Manager
* Project Controls Manager
* Procurement Manager
  1. Reference Paragraph 4.11.6: Contractor Camp and Project Support Buildings

CONTRACTOR shall comply with Land Use Permit (LUP) No. 49423, and Site Allotment Procedures issued by SAUDI ARAMCO for requirements of Contractor Camps / Contractor Parks.

For LUP and Site Allotment Procedures, reference GI 2.716, Land Use Permit Procedures; GI 2.718, Contractor Site Allotment Procedure; and SAUDI ARAMCO Form 8037.

* 1. Reference to Paragraph 4.14: ID Cards and Vehicle Stickers

CONTRACTOR agrees to comply with the following requirements in regard to restricted and non‑restricted vehicle stickers and ID cards for WORK to be performed within SAUDI ARAMCO facilities:

* + 1. CONTRACTOR shall use designated SAUDI ARAMCO application forms or systems in applying for ID cards or vehicle stickers.
    2. CONTRACTOR shall obtain the required approval from the Company Representative for its requests before the WORK begins.
    3. CONTRACTOR shall obtain only one ID card for each employee at a time.
    4. CONTRACTOR shall renew ID cards at least 10 days before each card’s expiration date.
    5. CONTRACTOR shall immediately report any loss of SAUDI ARAMCO ID cards to SAUDI ARAMCO’s Area ID office or Area Industrial Security Department.
    6. CONTRACTOR shall retrieve ID cards from all employees and Subcontractor employees upon completion of the WORK or termination of the Contract.
    7. CONTRACTOR shall retrieve SAUDI ARAMCO ID cards, especially plant ID cards, from employees leaving Saudi Arabia for any period and deposit the same with the nearest SAUDI ARAMCO ID office.
    8. CONTRACTOR shall report in writing to SAUDI ARAMCO Area ID office if any CONTRACTOR employee has left the CONTRACTOR’s employment without surrendering his SAUDI ARAMCO ID card. CONTRACTOR agrees that it shall then be subject to, and shall pay, fines assessed by SAUDI ARAMCO Area Industrial Security Organization in accordance with applicable SAUDI ARAMCO General Instructions.
    9. CONTRACTOR agrees that ID cards not timely returned shall be subject to a fine, consistent with applicable SAUDI ARAMCO General Instructions.
    10. CONTRACTOR shall appoint a qualified Saudi Arab National to act as a liaison officer between CONTRACTOR and the SAUDI ARAMCO Area ID office.

CONTRACTOR shall develop and submit to SAUDI ARAMCO a vehicles sticker and ID Cards procedure (complete with all forms and samples) for SAUDI ARAMCO review and approval.

1. ADDITIONAL REQUIREMENTS
   1. Contractor’s Production Facilities

If CONTRACTOR has elected to utilize production and pre-fabrication facilities at the Job Site, which includes SAUDI ARAMCO-provided locations either at or near the Job Site for use as Fabrication Yards or Lay Down Yards, these facilities shall meet the following SAUDI ARAMCO requirements.

* + 1. Concrete Batching Plant

CONTRACTOR shall purchase concrete from a SAUDI ARAMCO-Approved local supplier. Concrete shall be weight batched with computer controlled equipment which shall have the capacity of recording constituents of each mix produced in a three (3) day period, to include records of the transit truck, and the foundation, area or location where the mix is placed or poured. Laboratory facilities shall be provided for the testing of the aggregates and concrete to meet the requirements referenced in the Job Specification.

* + 1. Pipe Work Fabrication

Pipe work prefabrication shall be completed at a pre-fabrication facility, and at no time shall this WORK be performed at the WORK Site without written approval of the Company Representative. CONTRACTOR pre-fabrication facilities shall include separate equipment and areas for working with carbon steel, stainless steel, and alloys, respectively. CONTRACTOR shall ensure the non-contamination of stainless and alloy steels during fabrication and erection. The facilities shall be designed for the safe and efficient production of pipe work, with a high quality of workmanship, to include stress relieving, inspection standards and testing throughout the prefabrication process.

CONTRACTOR shall ensure Subcontractor and Vendor pre-fabrication equipment is reliable, calibrated, routinely checked, serviced, and operated in a logically planned and safe manner for the fabrication of pipe work.

* + 1. Preparation and Painting Works

Painting and paint preparation shall be completed at a CONTRACTOR facility, and at no time shall this WORK be performed at the construction Job Site without Approval of the Company Representative. Painting and paint preparation shall be completed with utmost regard to the safety of the environment and local population adjacent to WORK areas. CONTRACTOR shall prepare and submit a detailed drawing and plan for the operation of the preparation and painting works for Approval.

Painting and paint preparation WORK shall be performed as part of a production cycle of pipe or steelwork to include the receipt, layout, storage, preparation, painting, fabrication, and spool lay down storage. Emphasis shall be placed on safe traffic handling movements, fencing, and use of cranes, lifting and handling equipment, safety of operations, and usage and storage of blasting cleaning materials.

* 1. Security
     1. Construction Security
        1. SAUDI ARAMCO will provide an overall framework and coordination of the security requirements for CONTRACTOR and SAUDI ARAMCO shall review and approve CONTRACTOR planned security organization and operation procedures. SAUDI ARAMCO review or approval of such procedures shall not relieve CONTRACTOR of its obligations to provide adequate security at the Job Site and other WORK Sites, and CONTRACTOR shall be responsible for the activities of all equipment and personnel who have entered and accessed the Job Site.
        2. CONTRACTOR shall be responsible for the security of CONTRACTOR resources and activities. CONTRACTOR organization and security procedures shall include planning and allowance for the following:
           1. Personnel security
           2. Transport of Materials, from port lay down to erection, including transport of oversize equipment.
           3. Personnel transport.
           4. Temporary facilities such as Construction Camp(s) and Project Support Buildings.
           5. SAUDI ARAMCO-Supplied Materials and equipment.
           6. Access to the Job Site.
     2. Security Facilities and Resources

CONTRACTOR shall install and maintain adequate security facilities throughout the entire project duration to support construction, assist the movement of personnel, and facilitate the delivery and handling of Materials. CONTRACTOR facilities, including Contractor Camp and Project Support Buildings, shall include adequate temporary fencing, security management and personnel. Directional signs and notices shall be provided as well as speed controls and heavy load escorts.

* + 1. Personnel and Equipment Control

CONTRACTOR must plan and coordinate movements of equipment and personnel with Other Contractors, to ensure both safety and security issues are properly identified and addressed, and in order to maximize construction efficiency. CONTRACTOR shall arrange movements of its construction workforce and the transport of heavy equipment in a manner to minimize road or route congestion, with particular emphasis on the start and end of work-shifts. CONTRACTOR shall submit for Approval all requirements and standards for personnel movement, access, and control.

* 1. Additional Interface Coordination Requirements.
     1. Interfacing with Multiple Contractors

SAUDI ARAMCO will have other projects at the design or construction stage at or near the WORK Site, or will have such work performed by others. CONTRACTOR agrees to cooperate fully with SAUDI ARAMCO or any Other Contractors performing such work and not to interfere with the performance of such work.

* + - 1. CONTRACTOR’s WORK shall include the work activities designated as the responsibility of the “CONTRACTOR” in the document entitled “Master Interface Plan” (to be determine) and all other documents referenced in the Job Specifications.
      2. CONTRACTOR, in conjunction with Affiliated Contractor, shall develop a schedule which shall identify the dates for the exchange of interface information required by CONTRACTOR and each Other Contractor to allow CONTRACTOR’s and Affiliated Contractor’s WORK and the work of the Other Contractors to proceed without delay, referred to as the interdependency schedule. The first issue of the interdependency schedule to SAUDI ARAMCO shall be within ninety (90) days after the effective date of this Contract. CONTRACTOR shall produce a monthly interdependency schedule that includes, but is not limited to, look-ahead, shutdown, tie-in, heavy lift and recovery schedules. Interdependency dates shall support and be incorporated into the WORK Schedule. CONTRACTOR shall coordinate with other parties as required to produce and update CONTRACTOR’s interdependency schedule.
      3. CONTRACTOR, in conjunction with Affiliated Contractor, shall review any subsequent revision to the Master Interface Plan that are provided to CONTRACTOR by the SAUDI ARAMCO or Other Contractor and immediately inform the Company Representative in writing of any changes in the document that have an impact on CONTRACTOR’s ability to perform the WORK.
      4. CONTRACTOR, in conjunction with Affiliated Contractor, shall review the Master Interface Plan and provide and continuously update all dates and data indicated as “to be provided by the CONTRACTOR”. Initial dates and data shall be provided to the Company Representative in electronic format at least three (3) weeks prior to the first interface meeting as described in Paragraph ‎2.3.1.5 below. CONTRACTOR shall immediately inform the Company Representative and propose changes to the interface documents if there are any changes in CONTRACTOR’s planned execution of the WORK that have an impact on the work being or to be performed by Other Contractors or if additional interfaces are identified by CONTRACTOR.
      5. CONTRACTOR, in conjunction with the Affiliated Contractor, shall actively participate in Interface Meetings during the design phase with SAUDI ARAMCO and Other Contractors. At least four (4) interface meetings will be held, with additional meetings as requested by SAUDI ARAMCO. The Company Representative shall communicate specific dates for the meetings to CONTRACTOR at least three (3) weeks prior to each meeting. CONTRACTOR personnel shall attend these meetings. The meetings will be held over a period of approximately five (5) days. Furthermore, CONTRACTOR, in conjunction with Affiliated Contractor, shall actively participate in interface meetings with the SAUDI ARAMCO and Other Contractors during the Construction phase of the project. Interface meetings will be held, initially, every month from Construction Start and more regularly as determined by the SAUDI ARAMCO. The Company Representative shall communicate specific dates for the meetings to CONTRACTOR at least one (1) week prior to each meeting. CONTRACTOR personnel shall attend these meetings.
      6. CONTRACTOR, in conjunction with the Affiliated Contractor, shall host interface meetings and representatives from Other Contractors, and with applicable Saudi Arabian government agencies, when applicable, at the CONTRACTOR design office as deemed necessary by Company Representative.
      7. CONTRACTOR, in conjunction with the Affiliated Contractor, shall communicate directly with Other Contractors to review technical issues and exchange technical data related to interfaces and to reach mutual agreement on dates for interfaces. This may include visits by Project Interface Manager and Other Contractor personnel to the offices of Other Contractors. However, all formal communications and agreements reached with Other Contractors shall be directed in writing to the Company Representative and shall be subject for review and approval by the Company Representative. No communication from Other Contractors shall be considered a directive to CONTRACTOR.
    1. Tie-Ins and Shutdowns
       1. CONTRACTOR shall coordinate with SAUDI ARAMCO and Other Contractors in preparing a plan and schedule for tie-ins to shutdowns of existing SAUDI ARAMCO facilities. CONTRACTOR’s schedule shall consider SAUDI ARAMCO’s test and inspection schedules, during which tie-in work may be performed with minimal disruption to plant operation.
       2. CONTRACTOR’s tie-in and shutdown plans and schedules shall be submitted to SAUDI ARAMCO for approval ninety (90) days prior to the proposed activity. SAUDI ARAMCO shall attempt to accommodate proposed tie-in and shutdown dates; however, SAUDI ARAMCO reserves the right to revise the dates, without liability for any cost or schedule impact, provided that the revised dates can be accommodated by CONTRACTOR such that CONTRACTOR can still meet all Critical Milestone Dates.
       3. JNGLF Plant (Operating FACILITY) has the following tentatively planned shutdowns subject to scheduling variations of up to 6 months from the planned date. SAUDI ARAMCO will furnish at least ninety (90) days advance notice for any date change on the following planned shutdowns at the JNGLF Plant Facility:

The scheduled planned shutdown will be informed during construction.

* + - 1. In conjunction with the Affiliated Contractor, CONTRACTOR shall prepare and provide to SAUDI ARAMCO for approval, no later than ninety (90) days prior to the proposed tie-in date, complete tie-in design packages, e.g., piping, instrumentation, communications and electrical, for all required tie-ins to existing facilities. Each tie-in package shall describe specific details including, but not limited to:
         1. Condition of existing facilities;
         2. Scope of tie-ins including drawings and sketches;
         3. Detailed list and sequence of activities including QA/QC and pre-commissioning verification checks;
         4. P&IDs, piping line isometrics and tie-in index;
         5. Schedules and estimated shutdown periods for the existing facilities;
         6. Tools and equipment lists associated with the tie-ins; and
         7. Bills of materials and material certificates for the tie-ins.
      2. For WORK which involves tie-ins to, or shut downs of, existing SAUDI ARAMCO facilities, CONTRACTOR shall plan on working 24 hours per day, 7 days per week, and maximize use of any planned plant shutdowns to minimize WORK performed in operating facilities.
      3. SAUDI ARAMCO reserves the right to revise the date and duration for tie-ins and shutdowns and to furnish reasonable advance notice of the changes without any liability to SAUDI ARAMCO.
  1. Surveying
     1. CONTRACTOR shall provide, for the duration of the Contract, SAUDI ARAMCO tested and approved surveyor and crew as part of CONTRACTOR’s WORK force at the WORK Site. The surveying crew’s responsibilities shall be to provide surveying controls for the construction activities and to prepare as-built drawings as the WORK progresses. CONTRACTOR shall provide a vehicle for the surveying crew’s sole use that is capable of traveling to all areas of the WORK Site. The surveying crew shall also be provided with all surveying equipment and assistance required to adequately perform their duties.
     2. CONTRACTOR shall perform all survey work necessary to accurately established elevations as required. Any assistance or checks made by the Company Representative shall not relieve CONTRACTOR of its responsibility for the correctness of the completed WORK.
     3. CONTRACTOR shall verify, where applicable, layouts, locations, routing plans, plan and profile drawings and other project drawings and inform SAUDI ARAMCO of any discrepancy that may exist at least two weeks prior to scheduled start of construction.
  2. Guidelines for Rock Removal by Blasting

CONTRACTOR must comply with all additional requirements stipulated in Exhibit I to this Attachment I, “Guidelines for Rock Removal by Blasting”, for the duration of this Contract.

* 1. Proximity Warning Systems for Earthmoving and Construction Equipment and Site Personnel

CONTRACTOR must comply with all additional requirements stipulated in Exhibit II to this Attachment I, “Proximity Warning Systems for Earthmoving and Construction Equipment and Site Personnel” for the duration of this Contract.

* 1. Automated Access Control Systems for Job Site(s)

CONTRACTOR must comply with all additional requirement stipulated in Exhibit III to this Attachment I, “Automated Access Control Systems for Job Site(s), for the duration of this Contract.

END OF ATTACHMENT I TO SCHEDULE B

SCHEDULE B

ATTACHMENT I

EXHIBIT I

#### GUIDELINES FOR ROCK REMOVAL BY BLASTING

# WORK SCOPE

* 1. Contract Work and Approvals
     1. CONTRACTOR shall provide all personnel, explosives, materials, tools and equipment to plan, direct and/or conduct blasting services when required under this Contract. The WORK consists of, but is not necessarily limited to, preparation for and provision of close proximity, trench, quarry and/or general excavation blasting services on SAUDI ARAMCO designated WORK Sites.
     2. Actual blasting activities shall be performed by a blasting subcontractor qualified and approved per the requirements set forth in this Exhibit.
     3. Personnel, whether CONTRACTOR or blasting subcontractor personnel, shall be qualified and approved per the requirements set forth in this Exhibit.
     4. No blasting shall be done by CONTRACTOR without SAUDI ARAMCO’s approval for the proposed blasting subcontractor as set forth in this Exhibit and in Paragraph 13 of Schedule “A”. Only those companies holding a valid Kingdom of Saudi Arabia license/permit for blasting handling and services will be acceptable subcontractors.
     5. SAUDI ARAMCO Blasting Services Group (“SA BSG”) direction, subject to regulations as set forth in this Exhibit, shall govern regarding blasting activity under this Contract. All CONTRACTOR and blasting subcontractor blasting operations shall follow the direction of the SA BSG representative.
  2. Definitions

1.2.1 “Surplus Explosive Material” means all explosives and explosive related materials which are not consumed in the WORK during a work day.

1.2.2 “Peak Particle Velocity” (PPV) is the maximum of the three (3) velocity components of a vibration measured at any point in three (3) mutually perpendicular directions by an appropriate instrument.

12.3 “Peak Sound Pressure Level” is the peak level measured on the A-scale of a standard sound level meter.

1.2.4 “Blasting Crew” shall consist of a blasting foreman, Shot firer, liaison man, driver and all management support, materials, tools vehicles and equipment necessary to prepare for and perform blasting WORK such as but not limited to blasting machine with adequate capacity and vibrating equipment.

* + 1. “Blasting Proposal Plan” means the overall plan for blasting activity associated with WORK performed under this Contract, and which contains required information as set forth by SA BSG.
    2. “Blasting Plan” means the specific plan associated with blasting activity on a specific date, and which contains required information as set forth by SA BSG.
  1. Preparatory WORK

1.3.1 CONTRACTOR shall inspect designated WORK Sites prior to commencement of Drill Pattern and/or Blast Plan design.

1.3.2 CONTRACTOR shall inspect plan, design and submit Drill Pattern and/or Blast Plan designs to the Company Representative for approval in accordance with Paragraphs 3.1 and 3.2 of this Exhibit.

* 1. Blast Hole Drilling

CONTRACTOR shall perform blast hole drilling in accordance with Paragraphs 3.1 and 3.3 of this Exhibit.

* 1. Blast Execution Work

1.5.1 CONTRACTOR shall transport and deliver CONTRACTOR's blasting crew and all explosives, materials, tools and equipment necessary for performance of the WORK to and from the WORK Site(s).

1.5.2 CONTRACTOR shall supply manpower and supervision for the loading and stemming of blast holes in accordance with Paragraph 3.2 of this Exhibit.

1.5.3 CONTRACTOR shall supervise placement of any matting or sand cover required for a blast area.

1.5.4 CONTRACTOR shall prepare, connect and detonate all explosives in accordance with Paragraph 3.2 of this Exhibit.

1.5.5 CONTRACTOR shall perform post blast WORK Site inspection to ensure all explosives have been detonated. CONTRACTOR shall dispose of any misfire, at CONTRACTOR's expense, in accordance with procedures approved by Company Representative and consistent with all applicable safety standards and government requirements.

1.5.6 CONTRACTOR shall remove any and all Surplus Explosive Materials from the WORK Site at the end of each WORK day.

* 1. General Provisions

1.6.1 CONTRACTOR shall contact and provide police escorts required to ensure performance of the WORK at its expense.

1.6.2 CONTRACTOR shall endeavor at all times to maintain the safety, stability and integrity of any facility potentially affected by CONTRACTOR's performance of the WORK.

1.6.3 CONTRACTOR shall furnish and maintain all barricades, signs and markings necessary for performance of the WORK.

1.6.4 CONTRACTOR shall perform the WORK during daylight hours on any of the days of the week as directed by Company Representative.

1.6.5 CONTRACTOR shall maintain accurate daily records related to the WORK in accordance with Paragraph 3.5 of this Exhibit.

1.6.6 CONTRACTOR shall provide secure storage facilities for explosive and initiation material.

1.6.7 CONTRACTOR shall supply labor for placement of matting, and/or sand cover.

1.6.8 CONTRACTOR shall provide vehicles as specified in Paragraph 3.6.5 of this Exhibit.

1.6.9 Company Representative shall inform CONTRACTOR of any known facility, above or below ground, which might be affected by the WORK.

* 1. Specifications, Instructions, Standards and Documents

The information contained in this Exhibit shall not detract from, or supersede CONTRACTOR's responsibilities to perform the WORK in accordance with all specifications, instructions, standards and documents described or referenced in Paragraphs 2.0 and 3.0 below.

# REGULATIONS

CONTRACTOR shall perform the WORK in accordance with SAUDI ARAMCO Blasting Procedures and all applicable ordinances, codes, rules, related SAUDI ARAMCO General Instructions (G.l.s) such as, but not limited to, G.I. 475.001 “Blasting Near Existing Facilities,” G.I. 2.100 “Work Permits,” the SAUDI ARAMCO Blasting Safety Manual, and regulations of the Saudi Arabian Government ("Regulations”) In the event of conflict between the Regulations and the requirements of this Contract, the Regulations shall govern.

# WORK PERFORMANCE

* 1. Drill Pattern Design

CONTRACTOR's drill pattern ("Drill Pattern") submission shall include, but not necessarily be limited to, a descriptive diagram detailing the following information:

* + 1. WORK Site location, excavation area and depth, anticipated neat lines and the relationship to adjacent facilities and excavations.
    2. Diameter, pattern, spacing, burden, depth and inclination of blast holes.
  1. Blast Plan Design

3.2.1 CONTRACTOR's blast plan ("Blast Plan") submission shall, for each and every blast, include, but not necessarily be limited to, the following information.

3.2.1.1 WORK Site location and the relationship to adjacent facilities and excavations.

3.2.1.2 Number of holes to be blasted.

3.2.1.3 Type, strength and weight of explosives to be used in each hole, on each delay and the total for the blast.

3.2.1.4 Scales distance used to calculate the quantity of explosives.

3.2.1.5 Description of the types, sequence and number of delays used in a delay pattern.

3.2.1.6 Wiring diagram which illustrates hook-up lead lines and a description of the type and capacity of the firing source.

3.2.1.7 Identification of charge distribution and the priming and stemming requirements for each hole.

3.2.1.8 Any requirement for matting or sand cover of the blast area.

3.2.1.9 Number of Blasting Crews and Blasting Crew WORK days required to accomplish the WORK.

3.2.2 CONTRACTOR's Blast Plan shall, at all times, be based upon an efficient and economical use of explosives and manpower to accomplish the WORK in accordance with the following objectives.

3.2.2.1 Minimizing vibration.

3.2.2.2 Minimizing air blast.

3.2.2.3 Control of fly rock.

3.2.2.4 Fragmentation requirements.

3.2.2.5 Controlled throw direction.

3.2.2.6 Provision of a muck pile.

* 1. Blast Hole Drilling

CONTRACTOR shall ensure the following:

3.3.1 The axis of any blast hole shall not be out of plumb or batter by more than two (2) percent of its drilled length.

3.3.2. Blast hole burden, spacing and depth shall be within ten (10) centimeters of the applicable parameters specified in an approved Drill Pattern.

3.3.3 Drilling operations shall be performed in such manner so as to prevent damage or destruction of existing blast holes. CONTRACTOR shall re-drill, at no additional expense to SAUDI ARAMCO, any hole damaged by CONTRACTOR's performance of the WORK.

3.3.4 Drilled blast holes shall be protected from sand and debris through utilization of drill hole cones.

* 1. Blast Execution

3.4.1 CONTRACTOR shall measure the Peak Particle Velocity of all shots detonated.

3.4.2 Unless specifically directed otherwise by Company Representative in writing, CONTRACTOR shall ensure that the Peak Particle Velocity of a blast shall not exceed fifty (50) millimeters per second as measured in or adjacent to any structure in the vicinity of the blast. The basis for vibration control i

n designing the initial blast shall be the use of the formula W = (D/SD), where W is the weight of the explosive in kilograms allowable per delay period; D is the distance in meters from the blast area to the affected facility; SD is scale distance under which is based on the designed Peak Particle Velocity.

3.4.3 Unless specifically directed otherwise by Company Representative in writing, CONTRACTOR shall ensure that impact or impulsive noise from blasting operations shall not exceed 130 db Peak Sound Pressure Level as measured at the nearest facility.

3.4.4 Unless specifically directed otherwise by Company Representative in writing, CONTRACTOR's blasts shall not encroach within the applicable distance limits identified below:

3.4.4.1 Buried Facilities 4 meters

3.4.4.2 Exposed Facilities 2 meters

3.4.4.3 Buried Electronic Cable Oil Filled 5 meters

3.4.4.4 Over-head Electrical lines (vertical) 6 meters

3.4.5 In all cases in which blasting is conducted within thirty (30) meters of an exposed facility or creates a hazard to fragile materials, CONTRACTOR shall employ blasting mats and/or sand cover to control fly rock. Sand cover depth shall be a minimum of one (1) meter.

* 1. Blast Report

CONTRACTOR shall submit a daily report ("Blast Report") to Company Representative at the conclusion of each drill and/or blast day. Blast Reports shall detail, for each and every blast and/or each drill day the following information as applicable.

* + 1. WORK Site location, date and time.
    2. Cumulative depth of blast holes drilled.
    3. Number of authorized (pursuant to the Blast Plan) Blasting Crews that performed the WORK.
    4. An itemized accounting of explosives detonated and the number and types of delays used.
    5. A descriptive diagram which details any changes from the approved Drill Pattern and/or Blast Plan.
    6. CONTRACTOR's measurement of Peak Particle Velocity.
    7. An evaluation of the blast which includes identification of significant overbreak and any recommended adjustments for subsequent blasts.
  1. General Provisions
     1. All explosives and associated materials supplied by CONTRACTOR shall be of good quality and shall not have exceeded the shelf life recommended by their manufacturer.
     2. SAUDI ARAMCO reserves the right to reject any of CONTRACTOR's explosives or associated materials at the WORK Site at no expense to SAUDI ARAMCO which are deemed by SAUDI ARAMCO to be unsuitable for the WORK.
     3. CONTRACTOR shall employ a blast warning signaling system and shall ensure that all personnel at the WORK Site are familiar with such system.
     4. CONTRACTOR shall notify SAUDI ARAMCO immediately in the event of any misfire.
     5. “Explosives vehicle” shall be a suitable 4 x 2 or 4 x 4 vehicle with a load carrying capacity not less than five (5) tons (5000 Kg). The vehicle shall have all the safety and mechanical features required by the applicable SAUDI ARAMCO and government standards.

# PLANNING AND OPERATIONAL PROCEDURES AND REQUIREMENTS

* 1. Requirements
     1. All blasting for the WORK shall be performed by an approved blasting subcontractor employing approved shot firer personnel.
     2. The Company Representative will advise CONTRACTOR as to any specific requirements of SAUDI ARAMCO, including but not limited to, the need for the materials identified in Paragraphs 4.1.2.1 through 4.1.2.3 of this Exhibit all of which shall be provided by CONTRACTOR:
        1. Blast Mats - such as chain link fabric, wire rope, timber, or used tires.
        2. Wet Sand - in lieu of, or in addition to, blasting mats, 3-5 feet of wet sand cover may be required and if so, is to be supplied by CONTRACTOR.
        3. Overburden (excavated soil at work site employed as cover for blasting) - this can be left in place and used in lieu of, or to supplement, other coverings, provided the overburden is stable and consolidated.
        4. The aforementioned items are to keep down fly rock and air blasts in areas where such effects could cause damage to adjacent structures or FACILITIES. The need for these materials will be at the discretion of the Company Representative.
     3. The Company Representative may require the use of delay detonators or multiple charges as set forth in Paragraph 3 of this Exhibit.
     4. The Company Representative may require additional considerations and approvals for any blasting near major FACILITIES, residential areas, or public right-of-ways. CONTRACTOR shall comply with such additional measures at its own cost.
     5. Where blasting occurs near existing pipelines and electrical transmission lines, the following requirements apply:
        1. CONTRACTOR and Company Representative must jointly ensure that persons in charge of the blasting are fully qualified and responsible for the safety of such WORK with one Shot Firer being in charge of each special blast. The responsible person shall determine the number and size of charges used based on the WORK performed and strata encountered with the concurrence of the Project Engineer, and in compliance with the other provisions of this Exhibit.
        2. Blasting within 15 meters (approximately fifty (50) feet) of a pipeline shall require a work permit specific to such blasting issued by SAUDI ARAMCO.
        3. Blasting within 65 meters (approximately two hundred (200) feet) of any above ground installation or power lines shall require a work permit specific to such blasting issued by SAUDI ARAMCO.
     6. For any blasting occurring within 15 meters of an existing facility, CONTRACTOR shall strictly conform to any direct instructions regarding such activity provided by the SA BSG.
  2. Meetings and Submittals
     1. Prior to blasting subcontractor approval per Paragraph 13 of Schedule “A”, and in any case no less than sixty (60) days prior to the commencement of any blasting activity:
        1. CONTRACTOR shall submit to the Company Representative all required SAUDI ARAMCO and government certifications for the blasting subcontractor for SA BSG review.
        2. The blasting subcontractor shot firer(s) performing blasting activities for the WORK must be interviewed and approved by SA BSG as possessing the required qualifications, certifications, experience, and competence, in the sole judgment of SA BSG.
     2. Initial Planning Meeting

An initial planning meeting shall be held at the direction of the Company Representative with CONTRACTOR and SA BSG attending to set forth overall blasting activity for the WORK to be accomplished, advise drilling patterns, and probable site preparation. A visit will be made to the site to familiarize all personnel concerned with the specific nature of the job. CONTRACTOR shall adhere to the drilling patterns, hole sizes, hole depths and sequences of operation, as agreed by Company Representative.

* + 1. Blasting Proposal Plan and Meeting

Not less than fourteen (14) days prior to any notification by CONTRACTOR of planned blasting activity, and on the basis of planning conducted at the Initial Planning Meeting, CONTRACTOR shall submit for SA BSG review and approval a Blasting Proposal Plan and shall hold a meeting to review this plan with all SAUDI ARAMCO personnel directly concerned with the excavation by blasting, including the Company Representative, SA BSG, and as appropriate, the Site Supervisor, Project Engineer, Loss Prevention and/or representative of any other department which could be affected by the blast in the determination of SAUDI ARAMCO, such as Producing, or Government Affairs (if WORK adjoins private property). This plan shall address the specific project requirements, highlighting the points dealing with safety precautions, blasting procedures and responsibility of CONTRACTOR.

The plan shall include a drawing and a site layout where the blasting is to take place. The Project drawing shall be marked up by CONTRACTOR indicating all areas of known/planned excavation requiring blasting. This drawing must include the following information:

Location and dimensions of each known excavation, with cross-sections where necessary.

* + - 1. Location of existing structures and/or pipelines (detail not necessary), which are within one hundred twenty five (125) meters (approximately four hundred (400) feet) of any area designated for blasting.
      2. Where applicable, contour lines delineating relief with elevations.
      3. Included with the drawing(s), a short, concise explanation of the desired excavation, including the number of drills contemplated to be utilized (if not known, so state), scheduling limitations, and any special or unique project requirements.
      4. A proposed schedule of blasting operations in support of overall project schedule.
    1. For any drilling preparatory to blasting activity, CONTRACTOR shall provide drilling notification to the Company Representative at least ten (10) calendar days prior to drilling.
    2. One day prior to the scheduled date of blasting, CONTRACTOR shall submit to the Company Representative and SA BSG, for approval, the Blasting Plan specific to the scheduled blasting, and any hot work or other required permits, and provide notice to SAUDI ARAMCO Loss Prevention Department.
    3. The CONTRACTOR's shot firer(s) that is to perform the WORK shall visit the site periodically and at least once twenty four (24) hours prior to the scheduled blast, to ensure that all requirements have been adhered to, such as: drill patterns, hole size land depth, and availability and supply of wet sand and/or proper blasting mats. If drill holes become partially filled with sand or dirt, CONTRACTOR shall clean them out by means of compressed air using a blow tube in the hole. A check shall also be made as to the availability of the hot work permit (SAUDI ARAMCO Form A-924-2) as required. A predetermined time will be decided on by the Plant Foreman (issuer) and Site Engineer or CONTRACTOR’s shot firer (receiver) for the issue of such a permit, without which blasting may not take place.

# EXECUTION OF BLASTING

* 1. On the day of the blasting activity, the CONTRACTOR's shot firer(s) will obtain the needed explosive material and transport it to the WORK Site. The CONTRACTOR's lead shot firer shall be in charge of all operations present in the blasting area. He and the Company Representative shall ensure the hot work permit is authorized prior to commencing WORK. Only then can the unloading of the explosives from the truck take place. The unloading and priming of explosives in the holes, as well as stemming, shall be performed under the supervision of the CONTRACTOR's lead shot firer. The laying or placing of delays and tying in of the shot shall be performed by the CONTRACTOR's shot firer or one of his designated and qualified assistants. The placement of covering material shall be supervised by the CONTRACTOR's lead shot firer and completed to his and Company Representative's satisfaction.
  2. At the time, approximately fifteen (15) minutes prior to the shot, there shall be one long siren signal. At this time, all personnel in the vicinity of the shot must begin clearing out. At approximately five (5) minutes prior to the blast, a series of long siren signals shall be given to warn all to stay clear. By this time, CONTRACTOR shall have posted guards at a safe distance from the shot with warning flags, and deny all except the CONTRACTOR's shot firer, access to the blast area. One last warning will be sounded by a series of short-siren signals when the CONTRACTOR's Shot Firer has assured himself everyone is clear and the shot is ready for detonation. After the detonation, an all-clear signal consisting of two (2) long signals using the siren shall be sounded. This shall be given only when the CONTRACTOR's lead shot firer has assured himself it is safe to return to the shot area.
  3. Cancellation of Blast

Should the shot crew find it impossible to shoot for any reason, the appropriate form, Cancellation of Blast AB-0020, must be executed and acknowledged by the signature of appropriate project personnel and the CONTRACTOR's lead shot firer.

END OF EXHIBIT I OF ATTACHMENT I TO SCHEDULE B

SCHEDULE B

ATTACHMENT I

EXHIBIT II

PROXIMITY WARNING SYSTEMS FOR   
EARTHMOVING AND CONSTRUCTION EQUIPMENT

# DEFINITIONS

* 1. “Warning Alert System” or “PWAS” shall mean a set of equipment consisting of Sensor(s) & Alarm Display(s) to be installed in moving equipment, which detects objects and personnel within a pre-defined hazard zone and provides an audible and visible warning to equipment operator(s) when entry into the zone is detected.
  2. “Sensor” shall mean a device that detects the proximity of personnel and communicates that information to Alarm Display(s).
  3. “Alarm Display” shall mean a device located in or on moving equipment that provides a visible and audible display to the equipment operator indicating that an object and/or personnel has been detected entering, or remains present, in the pre-defined hazard zone.
  4. “Data Logger” shall mean a device that digitally records pertinent historical operational information regarding the PWAS for later analysis, where such information includes operational status, equipment failure events, and hazard detection events, and the recorded information includes specific equipment identification and date and time of occurrence.
  5. “Rear View / Multiple View Closed Circuit Camera System” or “RVCCCS” shall mean a single or multiple camera and display monitor system that provides a view of blind spots around the equipment to the equipment operator. It may also optionally perform image analysis to highlight or alert nearby obstacles including objects or personnel to the equipment operator.
  6. “Proximity Warning System Equipment” shall mean all PWAS and RVCCCS equipment in use at the Job, Laydown, and Fabrication Sites.
  7. “Job, Laydown, and Fabrication Sites” means the location or locations in Saudi Arabia where (a) the FACILITIES are to be constructed (job site), (b) certain components and Materials for the FACILITIES shall be temporarily stored (laydown yard), and / or (b) certain components and materials for the FACILITIES shall be fabricated, assembled, or pre-constructed in proximity to the FACILITIES (fabrication yard).

# REQUIREMENTS

Unless otherwise directed via a written exception by authorized SAUDI ARAMCO Company Representative with such direction specifying the locations, dates, and other particulars of such exception (with such exception based on a documented risk assessment performed by CONTRACTOR according to SAUDI ARAMCO Loss Prevention Department guidelines resulting in equivalent or better protection, and approved by SAUDI ARAMCO), CONTRACTOR shall ensure compliance with the following requirements at all Job, Laydown, and Fabrication Sites:

* 1. Equipment Use Requirements
     1. Use of Both Proximity Warning Alert Systems and Rear View Cameras.

All earthmoving and construction equipment at the Job, Laydown, and Fabrication Sites, including, but not limited to, the following list, whether owned or operated directly by CONTRACTOR, Subcontractor, and any Subcontractors thereof, or rented or provided for the WORK via other agreements, shall have both PWAS and RVCCCS installed, tested, and operating at all times while the equipment is at the Job, Laydown, and Fabrication Sites.

* + 1. Examples of earthmoving and construction equipment include, but are not limited to:

Bulldozer

Roller / Vibratory Compactor

Earthmoving Equipment

Haul and Dump Trucks

Tracked or Wheeled Shovels and Loaders

Tracked or Wheeled Excavators

Scrapers

Motor Graders

GradeAlls

Water Tankers

Waste and Fuel Tankers

Tractors

* Telescopic Handlers
* Backhoe
  + 1. Use of Rear View Cameras

All trucks delivering concrete at the Job, Laydown, and Fabrication Sites, whether owned or operated directly by CONTRACTOR, Subcontractor, and any Subcontractors thereof, or rented or provided for the WORK via other agreements, shall have RVCCCS installed, tested, and operating at all times while the concrete delivery trucks are at the Job, Laydown, and Fabrication Sites.

* + 1. Excluded Equipment

Buses, passenger cars, pickup trucks, concrete pump trucks, and external vendor or supplier delivery trucks (with the exception of earth hauling trucks, trucks delivering concrete, and other equipment listed in paragraphs 2.1.1 and 2.1.2) bringing material to the Job, Laydown, and Fabrication Sites (collectively, “Excluded Equipment”) do not require installation or use of a PWAS or RVCCCS.

* 1. Equipment Technical Requirements
     1. All PWAS must reliably operate in the complete range of extremes of temperature, humidity, dust, and vibration, and direct exposure to sun and rain and other environmental factors which may be present at the Job, Laydown, and Fabrication Sites.
     2. The PWAS should be programmable to detect personnel located at the rear of the equipment, to a distance of at least six (6) meters of the equipment with the installed PWAS Sensor(s) and Alarm Display(s), and activate an alarm notifying the equipment operator of a hazard.
     3. The PWAS detection range threshold adjustment shall be designed to allow adjustment only by designated CONTRACTOR safety personnel and not by individual equipment operators.
     4. The equipment operator must be able to silence a PWAS audible warning for a particular detection event. However, another detection event occurring after the silenced warning should automatically trigger another audible warning.
     5. All PWAS equipment at a Job, Laydown, and Fabrication Sites (Sensor(s) & Alarm Display(s)) shall be completely compatible and interoperable.
     6. PWAS may employ any suitable signaling method (for example, infrared or radio frequency identification) which is robust and not subject to interface from other equipment at or near the Job, Laydown, and Fabrication Sites, and which does not interfere with the operation of other equipment at the Job, Laydown, and Fabrication Sites.
     7. Any RVCCCS must provide:
        1. The ability for the equipment operator to view the area behind the equipment to a distance of at least ten (10) meters.
        2. A minimum of four color camera inputs to a color display for the equipment operator which shall be of minimum 7” diagonal screen size, with the capability of monitoring all cameras simultaneously on the same display with adequate resolution and color rendition to allow the easy visual identification of hazards around the vehicle.
        3. The ability to operate effectively in low light environments (illumination greater than or equal to 5 foot-candles or 54 lux).
  2. Operation and Maintenance Requirements
     1. CONTRACTOR shall designate a Proximity Warning System Coordinator within its safety organization who shall have responsibility and authority to supervise and direct the procurement, installation, training, use, maintenance, effectiveness, and performance monitoring of the Proximity Warning System Equipment. The Proximity Warning System Coordinator and any other CONTRACTOR personnel responsible for installation, training, maintenance, or performance monitoring shall receive appropriate training from the Proximity Warning System Equipment manufacturer(s) or their authorized agents.
     2. CONTRACTOR shall establish a process to positively verify and document that all Proximity Warning System Equipment installed on earthmoving and construction equipment is operating correctly at the beginning of each day.
     3. CONTRACTOR shall ensure that for all equipment on the Job, Laydown, and Fabrication Sites, the PWAS alert threshold detection range shall be set to a distance of six (6) meters unless otherwise determined by a CONTRACTOR risk assessment which shall be approved by an authorized SAUDI ARAMCO Company Representative.
     4. CONTRACTOR shall ensure that proper maintenance of the Proximity Warning System Equipment is performed according to the specification of the manufacturer(s) to ensure that the equipment operates correctly and effectively, with verification of such operation to be certified and documented by the manufacturer(s) or their authorized agent(s). Earthmoving and construction equipment or personnel without correctly operating Proximity Warning System Equipment shall not be permitted to access or perform work at the Job, Laydown, and Fabrication Sites.
     5. CONTRACTOR shall ensure that all equipment operators shall be provided with training on the purpose, use, and maintenance of PWAS and RVCCCS prior to operating any equipment with the system installed, and the administration of such training shall be documented in the project safety records.
  3. Normal and Incident Trend Reporting and Investigation Requirements

The Proximity Warning System Coordinator shall conduct weekly, and monthly trend reporting of any incidents, including “near misses,” that either activate proximity alarms or should reasonably have activated such alarms shall be investigated and such investigation shall document the status of installation, use, operation, maintenance, and effectiveness of the Proximity Warning System Equipment, including any data recorded by Data Logger equipment if available.

# NO RELEASE

Compliance with the requirements set forth herein regarding Proximity Warning System Equipment shall not excuse CONTRACTOR for compliance with safety requirements set forth in Schedule “D” of this Contract, or any other terms and conditions of this Contract.

END OF EXHIBIT II OF ATTACHMENT I TO SCHEDULE B

SCHEDULE B

ATTACHMENT I

EXHIBIT III

AUTOMATED ACCESS CONTROL SYSTEMS FOR JOB SITE

1. REQUIREMENTS  
   1. CONTRACTOR shall provide, operate, and maintain one more automated access control systems (“Access System”) to control entry and exit of personnel, equipment, and vehicles to and from the Job Site until Project Completion. For clarity, in the case of multiple Job Sites, an Access System shall be provided at each Job Site.

* 1. The Access System shall be subject to the Approval of the Company Representative and shall consist of:   
     1. Tags, badges, or other appurtenances which may be conveniently worn or attached to personnel, vehicles and equipment that are authorized to access the Job Site.
     2. Sufficient automated readers which may detect such badges and grant, and track, entry and exit as authorized at designated Job Site entry and exit points.
     3. Other required support equipment and software to monitor, data log, and report on entry to and exit from the Job Site.
     4. Maintenance for all elements of the Access System, including sufficient spare equipment in case of failures.
  2. The Access System may employ radio frequency or other technologies, provided that:  
     1. Its emissions do not interfere with the operation of other communications or other equipment at the Job Site.
     2. Its operation is not impaired by other emissions from other equipment at the Job Site.
  3. The Access System must:   
     1. Be kept in operation at all times.
     2. Be a standalone system managed by CONTRACTOR and not integrated with the SAUDI ARAMCO SACS (Saudi Aramco Access Control System).
     3. Allow entry and exit of personnel, vehicles, and equipment without any significant delay at all times, including peak transit times (e.g., beginning and end of shift work). For clarity, SAUDI ARAMCO will not be liable for lost time for delays incurred by CONTRACTOR or Other Contractor(s) as a result of use of the Access System.
     4. Provide positive access control by permitting entry and exit only to authorized personnel, vehicles, and equipment, and not allowing unauthorized transit (where tags and badges are not authorized or are missing).
     5. Provide convenient indication of access permission or denial to personnel controlling exit and entry points.
     6. Record instances when exit and entry access is granted without authorized tags or badges (for example, for visiting personnel and deliveries).
     7. Reliably operate in the complete range of extremes of temperature, humidity, dust, and vibration, and direct exposure to sun and rain and other environmental factors which may be present at the Job, Laydown, and Fabrication Sites.
     8. Be used to provide any required CONTRACTOR reporting as required in this Contract, including but not limited to requirements in Schedules “B” and “S”.
  4. CONTRACTOR must operate an office or facility at the Job Site sufficient to keep current valid access lists for the Access System, issue, replace, and recover tags and badges in use by personnel, vehicles and equipment on a timely basis without hindrance to the WORK. CONTRACTOR must also provide and maintain a system to manage, monitor and log access by any personnel, vehicles and equipment that are not provided with tags or badges. Such access shall only be granted on bases agreed in writing by the Company Representative.
  5. Visiting SAUDI ARAMCO or other personnel, vehicles and equipment, which infrequently access the Job Site for limited periods of time are not required to possess tags or badges if they are escorted by authorized personnel while on the Job Site.
  6. Equipment to be tagged for access control shall be limited to self-propelled or towable construction equipment required to perform WORK.
  7. Operation and Maintenance Requirements:
     1. CONTRACTOR shall designate an Access System Coordinator within its organization who shall have responsibility and authority to supervise and direct the procurement, installation, training, use, maintenance, effectiveness, and performance monitoring of the Access System. The Access System Coordinator and any other CONTRACTOR personnel responsible for installation, training, maintenance, or performance monitoring shall receive appropriate training from the Access System equipment manufacturer or its authorized agents.
     2. CONTRACTOR shall establish a process to positively verify and document that all Access System equipment is operating correctly at the beginning of each day.
     3. CONTRACTOR shall ensure that proper maintenance of the Access System equipment is performed according to the specification of the manufacturer to ensure that the equipment operates correctly and effectively, with verification of such operation to be certified and documented by the manufacturer or its authorized agent.

# NO RELEASE

Compliance with the requirements set forth herein regarding Access System shall not excuse CONTRACTOR from compliance with any other terms or conditions of this Contract.

END OF EXHIBIT III TO ATTACHMENT I TO SCHEDULE B