

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 0002		3. EFFECTIVE DATE 01-Apr-2009	4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY AFGHANISTAN ENGINEER DISTRICT US ARMY CORPS OF ENGINEERS KABUL APO AE 09356		CODE W917PM	7. ADMINISTERED BY (If other than item 6) See Item 6	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. W917PM-09-R-0020
			X	9B. DATED (SEE ITEM 11) 17-Mar-2009
				10A. MOD. OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 13)
CODE		FACILITY CODE		
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Project: USAID, Faculty of Higher Education The purpose of this amendment is to attached the location of the project and make a correction on Section 0110, Scope of Work as follows: On page 62 of 204, Item 4. Summary of Work, second paragraph: DELETE "Concrete walk ways are required to connect all facilities, and features such as parking lots, power plants, etc." ADDED: Site Location drawing.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)			16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
			TEL:	EMAIL:
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		01-Apr-2009

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION 00800 - SPECIAL CONTRACT REQUIREMENTS

The following have been added by full text:

REVISED SECTION 01010**SECTION 01010****SCOPE OF WORK****1. GENERAL**

This project consists of the design and construction of a Faculty of Higher Education (FHE) facilities for the Ministry of Higher Education to instruct trainers of teachers, instruct teachers at the provincial level, and provide continuing education in order to upgrade teacher qualifications and standardize certification levels of teachers nationwide in Afghanistan. This is a classroom building and is considered an educational occupancy. Its function is to train future teachers in a classroom setting. Additional spaces are required for admin functions. In totality, the facility is designed for classroom and admin functions with incumbent toilet and utility spaces; there are no other functions. Design drawings, included as part of this solicitation package, are to be followed by the contractor, but shall not limit the contractor in design efforts. These drawings shall be further developed for complete building design and shall be site adapted requiring a unique site design that must be submitted to the government as part of the submittal and design process. Such site designs will include all utilities required for the facility. The project facility is defined as the design, material, labor, and equipment to construct buildings, utilities and other infrastructure for these Faculties of Higher Education (FHE). The work within this contract shall meet and be constructed in accordance with International Building Codes (IBC), NFPA-101 Life Safety Code, and applicable local standards. Any standard that can be determined to be substantially equivalent to the standards specified in this document may be used, but it is the Contractor's responsibility to show the equivalency of the alternate standard, and the Contracting Officer must approve its use. A partial listing of references is included herein. The contractor shall comply with the requirements of the contract and the Technical Requirements section 01015 for accomplishment of work within this scope. The contractor shall be responsible for demolitions of existing buildings, site grading and drainage plan, clearing and grubbing, and debris removal on each site as per the Technical Requirements of this contract. This is a site adapt project, the site is procured, the contractor is responsible for constructing the facility on the site and any required utilities that are further described within the RFP package.

1.1 English Language Requirement

All information shall be presented in English. The Contractor shall have a minimum of one English-speaking representative to communicate with the COR at all times when work is in progress.

1.2 Period of Performance

All work under this contract shall be completed within three hundred and sixty five (**330**) calendar days after notice to proceed (to include time required for government review of design submittals).

1.3 Submittals

The contractor shall design and construct the facilities mentioned herein in accordance to the contract requirements. The contractor shall be responsible for design and construction submittals. Submittals and a Submittal Register are required as specified in Section 01335 of the Basic Contract.

1.4 Cost Estimate

The contractor shall prepare a parametric construction cost estimate. The contractor shall prepare a thorough, well-supported, estimate reflecting the final design features, construction schedule and conditions, and any construction phasing requirements. The cost estimate shall be submitted as part of the submittals required for this contract.

1.5 CQM TRAINING REQUIREMENT: Before project design and construction begin, the Contractor's Quality Control Manager is required to have completed the U.S. Army Corps of Engineers CQM course, or equivalent. The Commercial Technical Training Center (CTTC), operated by the United Rehabilitation Bureau in Jalalabad, Afghanistan, provides a course that satisfies the requirement. Courses are offered at regular intervals. For enrollment and course information contact CTTC at the following:

1.5.A. Dr Pervez Mojadidi
Project Manager, United Rehabilitation Bureau
Email: adpzmuj@yahoo.com
Phone: (93) 0700-613-133, 0786489933

1.5.B. Engr. Said Wali Shinwari
Director, United Rehabilitation Bureau
Email: urb1992@yahoo.com
Phone: (93) 0700-287-626, 0797520380

1.5.C. USACE Guide Specification 01451, entitled "Contractor Quality Control", 3.5.D. requires approval of the Contractor's CQC Plan. That approval is contingent upon the successful completion of this course by the Contractor's Quality Control Manager.

A copy of the course completion certificate shall be included in the Design Analysis submittal.

2. LOCATION

Facilities of Higher Education building shall be constructed within the Afghanistan provinces on property owned by Provincial Department of Higher Education:

Heart
Approximate GPS coordinates N 34.36109° E 62.20490°

Use city water supply if possible – verify
Depth to water table approximately 30 meters – verify
See Appendix D for Land Documents

3. UNEXPLODED ORDNANCE (UXO)

3.1 UXO Clearance

The contractor shall search, identify and clear all mines and unexploded ordnances (UXO's) from the entire site. The contractor shall provide the government a letter indicating that the site is clear of mines and UXO's and is available for construction operations to proceed. All mine and UXO clearing shall be done in accordance with the International Mine Action Standards (IMAS) and clearance shall be accomplished to the anticipated foundation depth. These standards can be found at <http://www.mineactionstandards.org>. Work will not commence in any area that has not been cleared. For any and all areas on or around the site, it is the responsibility of the Contractor to be aware of the risk of encountering mines and UXO's and to take all actions necessary to assure a safe work area to perform the requirements of this contract. The Contractor assumes the risk of any and all personal injury, property damage or other liability, arising out of and resulting from any Contractor action hereunder. In any case the Contractor shall be responsible for identifying all mines and UXO's within the entire site. Once the mines and UXO's are identified, the Contractor shall place them in a location in accordance with IMAS. This work shall proceed in phases, concurrently with other construction efforts as determined by the contractor. If a UXO/mine is encountered after site clearance and during project construction, UXO/mine disposal shall be handled in accordance with Section 01015, Technical Requirements.

4. SUMMARY OF WORK

All requirements set forth in the Scope of Work, but not included in the Technical Requirements, shall be considered as set forth in both, and vice versa. Provide heating and ventilation for this facility. All toilets shall be eastern -style. All eastern-style toilets shall face North or South.

All standard construction amenities and details such as heating, lighting, site drainage, utility connections, etc. shall be implied as a design and construction requirement. Drawings referenced are contained in the appendix.

Design and Construct circulation pathways and exit stairs in accordance with building code references herein. Fire sprinkler system is not required. The facility shall comply with all other safety requirements as required within references. Smoke detectors and fire alarm systems shall be installed in accordance with requirements herein.

4.0.1 Bid Items (detailed in specifications section 00010 of this contract).

Base Bid

Survey

Design

As-built Drawings

Mobilization/Demobilization

Security Establishment and Sustainment

Education Building

Sewage Treatment

Water Well System

Options to the Base Bid

UXO de-mining

Power Generation

Additional Structural Bay for Education Building (1st floor)

Additional Structural Bay for Education Building (2nd floor)

Standing Seam Roof

4.1 Contractor Requirements

The contractor shall design and construct the facilities as a design-build contract and in accordance with the requirements stated in Section 01015: TECHNICAL REQUIREMENTS. Refer to subsequent paragraphs for more specifics about required spaces. The design and construction work shall include, but not be limited to, that described herein. All requirements set forth in the Scope of Work, but not included in the Technical Requirements, shall be considered as set forth in both, and vice versa.

Contractor shall design the FHE compound for a population based on a 25:1 student to educator ratio for the number of classrooms and laboratories being provided in the base bid plus any classrooms in awarded bid options. Additional staff requirements to be considered include 6 administrators and 10 miscellaneous staff. All utility systems shall be designed to accommodate the total facility population indicated above. All rooms shall be heated with electrical heaters and cooled by means of windows, ventilation fans, and ceiling fans.

4.1.1 Master Planning

The Contractor shall prepare a site Master Plan based on information contained in the Request for Proposal. The development of the master plan will include participation in a design charrette that will be conducted at the Corps of Engineers Headquarters Office in Kabul. As part of the site Master Plan, the contractor shall:

- a. Perform a soil/geotechnical survey of each site accomplished by a geotechnical professional engineer.
- b. Perform a site survey to include a topography survey noting all utilities, structures, obstacles, vegetation, and livestock on the site.
- c. Provide a site grading and drainage plan. The grading plan shall show finished floor elevations no less than 200mm above finished grade and shall show grading away from all buildings at a 2% slope for 2.5m on all sides of the building.
- d. Provide site cut and fill calculations and profiles of the buildings, water, and sanitary sewer.
- e. All buildings and foundations shall have proper fill material and compacted to 95% proctor and CBR compaction tested.

4.1.2 Water System

Design a potable water system, to include a ground well water source, water well pump, and bladder type hydro-pneumatic tank, and underground pipe distribution system. Assume that the well shall be constructed to deliver a minimum 414 kPa (60 psi) at a flow rate of 36 lpm (9.5 gpm). The two hydro-pneumatic tanks shall provide for a capacity of 500 liters (132 gallons) each. The hydro-pneumatic tanks and distribution system shall be designed to provide a minimum 276 kPa (40 psi) at the second level at all points in the system. Minimum pressures of 207 kPa (30 psi), under peak domestic flow conditions, can be tolerated in small areas as long as all peak flow requirements can be satisfied. Maximum water pressures in distribution mains and service lines shall not exceed 517 kPa (60 psi) at ground elevation. Provide an enclosed water well house to contain the well hydro-pneumatic tanks and chlorination system.

Provide a hand pump backup well. This may be included in the casing with the electric pump or in a separate smaller well. The capacity for the hand pump does not need to meet daily usage requirements but should be designed to extract as much flow as possible.

4.1.3 Sanitary Sewer System

Sanitary sewer system shall consist of piping and a septic system. Septic system shall consist of a septic tank and drainage leach field which will be no less than 60 meters away from the water well. The sewage collection system and effluent disposal shall be designed to accommodate the building population using an average 190 liters per person per day. The septic system shall be gravity fed and shall use the natural topography of the site. A percolation test shall be performed to determine if it is feasible to put in a drain field. Contractor shall submit method for doing a percolation test. If percolation rates are not between 1 to 48 min/cm then the COR shall be notified for further direction. Measured percolation rates shall be used to design the system.

4.1.4 Site Electrical Distribution System

POWER SYSTEM: The contractor shall design a power system for supply and distribution to all buildings to include generator* with fuel storage (* only if the option is exercised), and underground electrical distribution. All electrical design and installation shall meet NEC (NFPA 70) requirements. Conductors and circuits shall be sized for the specific loads. If the power generation option is exercised, the power plant shall include a prime power generator, switchgear, and all appurtenances necessary to meet the electrical demand plus 25% spare capacity.

GENERATORS: Contractor shall connect to local power grid where available. The power generation option, and the design and installation of generators, shall only be exercised where reliable power is not available locally 24 hours per day.

GENERATOR FUEL STORAGE: If the power generation option is exercised, the Contractor shall provide a design for low-profile fuel storage tanks that can accommodate a 15 day fuel supply based on the generator operating at 100% load.

Contractor shall design all interior electrical systems as described in section 01015 Technical Requirements and shall design and install any required exterior lighting, as described in section 01015.

4.1.5 Education Building (2 stories)

Construct a new reinforced concrete classroom facility with CMU in-fill walls and built-up roofing (with optional metal roof) as detailed on the plans in the appendix of this RFP. The function of the facility is solely classroom instruction and shall be designed as an educational occupancy.

4.1.6 Building Architectural Details (Note: specific details regarding room size and construction are shown on the drawings in the attached appendix of this RFP)

- a. Provide classrooms with white boards and tack boards as indicated in the attached conceptual drawings. Classrooms are required for instruction.
- b. Provide 4 Laboratory Classrooms. Provide lab counters with sinks as shown on the attached conceptual drawings. These lab classrooms are required for sciences, languages and computer applications.
- c. Provide Archive- Library room as indicated in the attached conceptual drawings. Construct wood book shelves around all perimeter walls (both exterior and interior sides). Wood shelves shall be 1500 mm each unit, 1750 mm in height, each shelf fixed @ 350 mm spacing, each shelf max loading @ 20 kgs.
- d. Provide storage rooms with steel or wood shelves as indicated in the attached conceptual drawings.
- e. Provide separate latrine rooms for males and females as indicated in the attached conceptual drawings. All toilets shall face north and south for cultural reasons.
- f. Provide office space for: 6 administrative staff and two private offices
- g. Provide building entrance reception area.
- h. Provide speaker intercom system for the building.
- i. Provide electrical utilities room on both floors.
- j. Provide fire protection measures (smoke detectors, extinguishers, fire rated walls, etc).
- k. Base bid roof shall be a Built-up Roof. Roof section is concrete slab one-way sloped structure, slope pitch to be determined by contractor as part of the design based upon climatic and elevation conditions of each site to resist snow and rain/moisture intrusion. The concrete roof section shall be constructed via a built-up asphalt roofing membrane section. Optional bid item roof shall be standing seam as illustrated. Requirements for roofs are indicated in section 01015.
- l. Provide a HDCP (handicap) concrete ramp to the second floor via one exterior stair (that is, on one side of the building). Maximum slope shall not exceed 12%. Ramp shall be 1500 mm width with walls (1100 mm height) and railings (865 mm AFF each side for railings). An intermediate landing is required between the first and second floors, sized at 1500 x 1500 mm. Landings (1500 x 1500 mm) are required at both first and second floors. Refer to Uniform Federal Accessibility Standards, available on the web, for exact requirements.

4.1.7 HVAC

Environmental control of the facilities shall be achieved by HVAC equipment proposed by the contractor and approved by the U.S. Government. See section 01015 for technical requirements. Note only heating and ventilation are required for this project; no air conditioning is required.

4.1.8 Demolition and Grading

Minor site demolition is required prior to construction of new work. Grading at the site is required and shall conform to requirements within references herein.

4.1.9 Life Safety

Design and Construct circulation pathways and exit stairs in accordance with building code references herein. Fire sprinkler system is not required. The facility shall comply with all other safety requirements as required within references. Smoke detectors and fire alarm systems shall be installed in accordance with requirements herein. The intent of the life safety is to provide sufficient protected exit pathways via one hour fire rated corridors for the occupants to exit the building in the event of a fire or other

emergency. The contractor is to design this facility with personal life safety as the highest design objective.

4.1.10 Lighting

General lighting shall be provided as indicated and shall meet recommendations from IESNA for each building type and function within each building. Design and installation shall meet NEC 70 requirements.

Exterior lighting shall be high intensity discharge luminaries on 10 meter high minimum spun aluminum or galvanized steel poles. If to be installed on an existing installation, type of luminaries shall match existing predominant type within installation.

4.1.11 Electrical

All electrical design and installation shall meet NFPA 70 (NEC 2005) requirements. Electrical receptacles shall be provided as indicated. Conductors and circuits shall be sized for the specific loads. Secondary power shall be 380/220 Volts, 3-phase, 4 wire, 50 Hz.

4.1.12 Foundation Design

Foundations, including subgrade, shall be designed and constructed based on recommendations from geotechnical investigation required herein. Foundation shall be placed below the frost line depth as determined by the geotechnical report for each site.

5. COMPLETION OF WORK

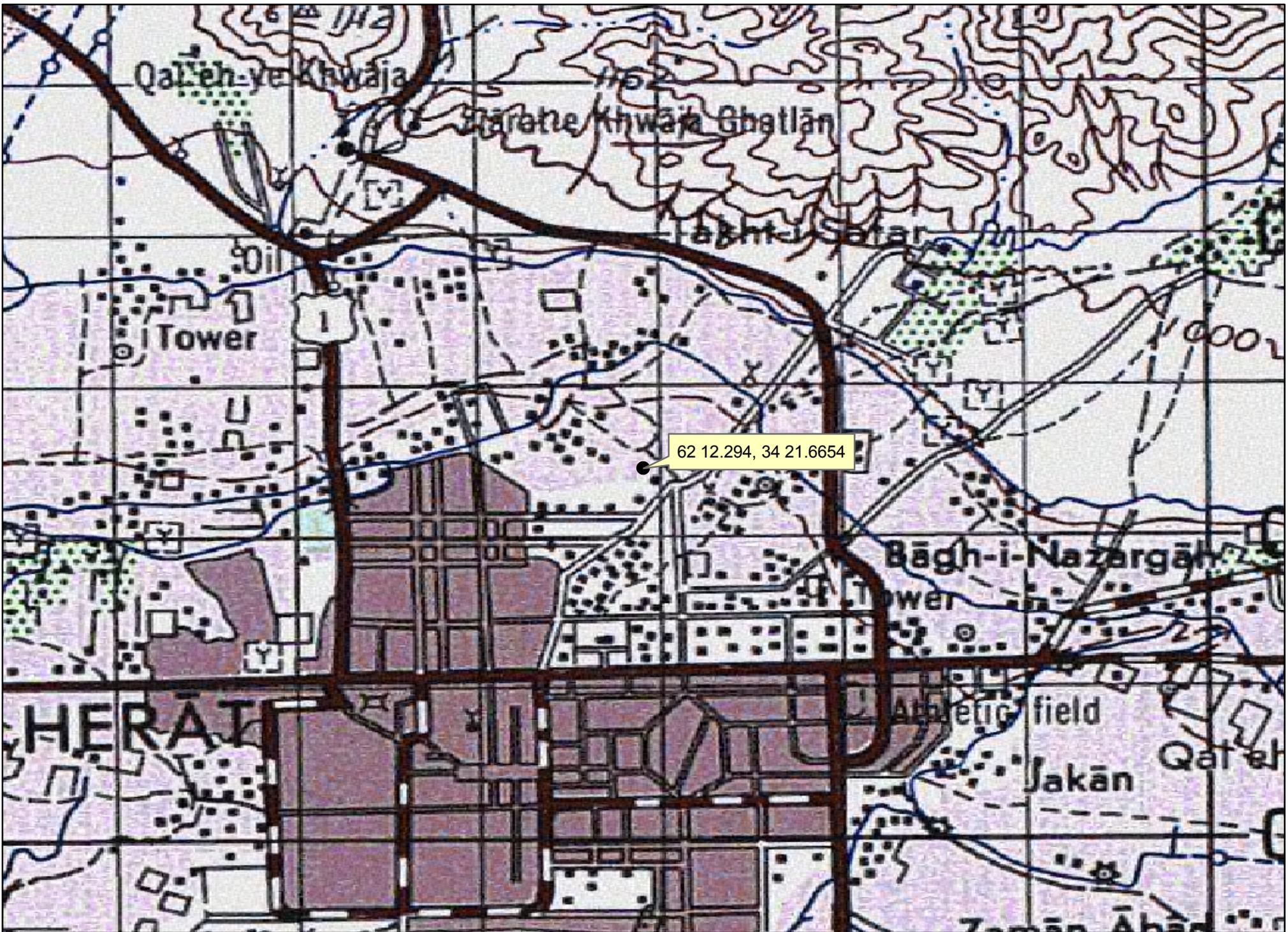
All work required under this contract shall be completed within three hundred and sixty five (**330**) calendar days from Notice to Proceed (NTP) for site work. Site work construction will not be allowed to proceed until demining is complete or until sufficient engineering analysis and plans have been produced by the contractor and the government has granted clearance. Liquidated damages in the amount of \$1,450.00 for every calendar day of delay shall be assessed and charged to the Contractor.

6. REFERENCES

Refer to Section 01015 for required references.

-- End of Section --

(End of Summary of Changes)



62 12.294, 34 21.6654

Herat



0 0.3 0.6 1.2 1.8 2.4 Kilometers



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