

DESIGN-BUILD MACC IV
TITLE: Software Engineering Facility (309th SWEG)
CAPITAL PROJECT NO: 1043925

Task Order

STATEMENT OF WORK

DATE: 7 June 2022

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1.0 SCOPE

1.1 This task order (TO) statement of work (SOW) defines the scope of a single task for construction and engineering activities under the Hill Air Force Base Design-Build Multiple Award Construction Contract IV. This SOW is tailored to identify specific Task Order requirements. The Statement of Work for Multiple Award Construction Contract IV, (MACC IV), dated 13 January 2021, applies to this task order except as specifically altered by reference in this document.

1.2 The MACC Contractor shall function as an integral team member in support of the Hill Air Force Base mission, to include the sharing of information with other Hill Air Force Base contractors and cooperation with communities, and other government entities.

1.3 Requirements include efficient project management including accurate, on-time submittals of contract deliverables and timely identification and solution of impediments to successful project execution. Technical requirements include early involvement in the process to allow for the development of the most cost-effective and technically sound solution. Hill AFB will rely on the Contractor's expertise in recognizing and addressing problematic issues and successful execution of this Task Order. The Contractor shall perform all work in accordance with federal, state, and local statutes and regulations.

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1.4 PROJECT DESCRIPTION

Project requirement is to construct a complete and useable single story 10,580 sf office building. 100% drawings and specifications have previously been completed and will serve as part of the contract requirements.

The facility will be constructed in the vacant lot north of Bldg 2720 (BOB), south of Bldg 2721 (TINA), and east of Bldg 1515, Hill Air Force Base, UT. As part of the building construction, additional drainage improvements will be made; as detailed in the plans there is an existing drainage pond that will be removed and an underground infiltration system installed. Additional improvements included in the plans are connections to various utility systems and general site improvements.

2.0 APPLICABLE DOCUMENTS

The Contractor shall identify and comply with all applicable federal, state, and local statutes. A partial list is presented in at the end of this document and in the Standard Design Criteria. It is the Contractor's fundamental responsibility to identify and comply with all mandatory federal and applicable DoD and Air Force requirements whether or not listed specifically in these two documents.

3.0 GOVERNMENT-FURNISHED INFORMATION, EQUIPMENT, AND PROPERTY (GFI, GFE, GFP)

No GFA, GFE, GFP listed.

4.1 MANAGEMENT, PLANNING, AND REPORTING REQUIREMENTS

The Contractor shall implement the range of construction and engineering activities specified in this Task Order and in accordance with all applicable compliance documents. The Contractor shall supply all labor, equipment, and materials necessary to accomplish the work assigned unless otherwise specified in this Task Order. The Contractor shall perform management and planning functions, including performance measurement and fund status reporting, through the course of this effort.

4.2 Schedule

The contractor shall maintain a detailed working schedule that facilitates the management of the project work and provides the capability for early identification of potential schedule impacts. The schedule shall include negotiated baseline dates and current schedule projections. The current schedule shall be maintained and updated at least monthly to accurately reflect program progress and provide realistic forecast projections. The contractor shall provide schedule updates at either a detailed level or a summary level as requested by the Contracting Officer (CO) or Project Manager (PM). Additionally, schedule updates that reflect actual schedule progress shall be submitted on AF IMT 3065 or as approved by the CO. Specific schedule and report requirements will be identified in each TO. For this delivery order the Project Superintendent may not act as the Construction Quality Control Manager.

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4.3 Project Schedule and Planning Requirements.

<i>Construction</i>	<i>365 Calendar Days</i>
<i>TOTAL PERFORMANCE PERIOD</i>	<i>365 Calendar Days</i>

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Item:	Remarks:
GENERAL PLANNING CONSIDERATIONS	
Project Funding:	<i>Project funding is guaranteed.</i>
Contractor access, staging, storage areas, dumpster locations, chutes and covers for debris removal	<i>Contractor access will be through the existing parking lot west of the site. Staging areas, if required off site, can be coordinated with 309 SWEG and the Project Manager.</i>
Availability of Reference Materials: Site survey, Platt, Operation and maintenance manuals, building as-built drawings, HVAC control drawings/sequences, etc.	<i>NA</i>

4.4 Meeting and Conference Requirements

The Contractor shall perform a site visit and attend the pre-performance conference, preconstruction conference, design review meetings and other meetings necessary to support construction activities. The Contractor also shall attend and support meetings and teleconferences to discuss technical or regulatory issues and project progress and status. The Contractor shall prepare, and submit for review, presentation materials and minutes for meetings and an agenda.

4.5 Contractor Documentation

The Contractor shall create and maintain a Master Document List and/or Submittal Register, i.e. AF Form 66, that includes all documents, whether the document is a deliverable or not, which are prepared during the course of this Task Order. The Master Document List and its documents shall be maintained in libraries readily available for submittal to the Government. All Material Submittals shall be accomplished in accordance with the instructions pertaining to AF Form 3000, Material Approval Submittal.

4.6 Notification Requirements

4.6.1 Health and Safety. The Contractor is required to notify the Contracting Officer and the Air Force Project Manager of critical issues that may affect the contract performance and/or human health and the environment. The types of issues that require notification include, but are not limited to, health risks, spills, changes in critical personnel, and finding unexploded ordnance (UXO). As an example, if UXO were discovered during field activities, the Contractor must immediately stop work, report the discovery to each of the following - the facility Point of Contact (POC), Contracting Officer and the Air Force Project Manager. The Contractor must implement appropriate safety precautions. Field activities shall not continue until clearance is received from the Contracting Officer. On critical issues, verbal notification should be made immediately, followed by written notification as soon as practical.

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4.6.2 Special, Critical Point, & Milestone Inspections. The contractor shall notify the government project manager and Title II inspector, if applicable, for compliance at critical points in the schedule as identified below:

- Site Inspection: Includes field testing, samples of soils, concrete, asphalt, paints and coatings. Special Inspector should be involved as required.
- Site Utilities: Inspections required while the excavation is open for government owned and privatized utilities.
- Concrete footings, walls/columns, shear walls, slabs on grade, handicap ramps: Includes formwork, rebar placement, elevations.
- Masonry walls: Rebar placement including bond beams.
- Framing prior to wallboard placement.
- Penetration assemblies (firestops and fire resistance rated wall assemblies, duct and air penetration, pipe penetrations, membrane penetration)
- Suspended ceilings
- Roofing, roof sheathing, weather barrier, insulation, windows
- Stucco/lathing
- Brick Veneer
- Drywall (gypsum board)
- Stairs/steps for proper railing height, landing, exiting out the facility Shaft wall (if ever applicable)
- Gas pipe test
- Rough in Mechanical, Heating/Cooling/Water heaters, Hood Types 1 and 2.
- Rough in plumbing, water heater (seismic straps, pan, and drainage requirements), draining/venting systems in bathrooms, sump pump and discharge, shower pan test (where applicable).
- Rough in electrical: panels, mounting junction boxes, grounding, switches, data wires, receptacles, fire alarm.

4.7 Permits

The contractor shall develop, coordinate, and assist in applying for and obtaining all, federal, state, local, and other applicable permits, access (including off-base easements and leases), agreements, licenses, and certifications required to perform and complete each TO. The Contractor shall maintain a library of these documents at the contractor's site office on base as well as the corporate facility handling each TO. The Contractor shall comply with all applicable permit conditions

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ENVIRONMENTAL	Remarks
Hazardous materials present(e.g. asbestos, PCBs, lead-based paint)	The Contractor is cautioned that materials in and around this project may contain asbestos or be coated with Lead-Based Paint (LBP). The government will make every effort to locate and identify and remove all Asbestos Containing Materials (ACM) and LBP prior to bidding; however, this is not always possible. These materials are often hidden and cannot be discovered until after demolition has begun. The failure of the government to identify all ACM and LBP in no way relieves the Contractor from his legal obligation to comply with state and federal regulations regarding the handling of asbestos, lead, or LBP.
Known geo-technical issues (e.g. contaminated soil, ground water, etc.) Historical Preservation Clean Air Emissions Permits	<i>None known.</i>

The Contractor shall maintain a library of these documents at the Contractor's site office as well as the corporate facility handling each TO. The Contractor shall comply with all applicable permit conditions.

4.8 Photo Documentation *(Delete this paragraph if photo documentation is not required)*

The Contractor shall prepare digital photo documentation, including site(s) and building(s) affected by the construction, field activities, and sample locations if applicable. Digital photos will be submitted using a minimum 5 mega pixel camera in JPEG format unless otherwise specified in this Task Order. The Contractor shall provide an index for each set of photographs submitted, identifying the base or facility, project number, contractor, and a brief description. Photography of any kind must be coordinated through the installation, customer, or facility POC.

5.0 SITE WORK

The Contractor shall coordinate work site activities to ensure the protection of human health and the environment; the prevention of damage to property, utilities, materials, supplies, and equipment; and the avoidance of work interruptions.

The Contractor shall perform site work required under this Task Order in compliance with the following.

5.1 Conservation

Activities shall be planned and implemented in a manner that protects existing site utilities, structures, surface features, service operations, monitoring and other types of wells, and the general site environment. This includes the protection of trees, shrubs, and other vegetation not

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in the affected zone from dust damage, soil compaction, and physical contact with machines and equipment. If appropriate, the Contractor shall conserve uncontaminated topsoil by removal, storage, or redistribution. All reasonable measures shall be taken to minimize and suppress fugitive emissions of dust, vapors, and other site materials during site work. All fill materials shall be non-contaminated. The Contractor shall conduct all operations and activities with the intent of reducing the amount of pollution generated. Specific areas to be focused on are generation of solid waste, use of hazardous materials, use of ozone-depleting chemicals, generation of hazardous waste, and use of energy and water. The Contractor shall plan, construct, operate, maintain, optimize, and decommission systems necessary to control storm water run-on and runoff; and transport surface water drainage to a treatment plant, discharge location, or any other destination.

5.2 Site Preparation

The Contractor shall perform site work as necessary to prepare sites for construction activities. Security and access controls shall be implemented to prevent unauthorized entry to sites and to protect wildlife from site exposure. The Contractor shall survey existing utilities to determine adequacy and need for modifications to support site activities. The Contractor shall obtain appropriate approvals and shall construct connections or new systems for electrical power, water, sewer, gas distribution, telephone, and other utilities, as required, to accomplish the activities specified in each TO.

5.3 Demobilization

The Contractor shall decommission facilities as necessary, and restore the site. The Contractor shall remove any temporary facilities and implement erosion control measures such as seeding, mulching, sodding, and erosion control fabrics; restore roads, structures, and utilities; and plant trees, shrubbery, grasses, and other vegetation. The Contractor shall document and report on activities and train Government personnel to perform required maintenance, as requested.

6.0 CONSTRUCTION DOCUMENT PREPARATION.

6.1 Real Property Documentation:

6.1.1 The contractor shall prepare Real Property Data utilizing the DD Form 1354. An Interim DD Form 1354 is required to be submitted by the contractor at 80% completion but not later than 90 days prior to pre-final inspection. To assist the contractor the CE PM will provide corresponding facility numbers, RPUID and category codes for DD 1354 line items. The contractor shall furnish the required quantities and costs for each of the category codes as identified by the CE PM. Beneficial Occupancy will not be granted until the contractor has submitted an acceptable Interim DD Form 1354. The Contractor shall provide a Final DD Form 1354 prior to project closeout and the final progress report being signed by the CE PM and Contracting.

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6.1.2 Before Beneficial Occupancy the contractor shall provide detailed information of real property assets of all the building systems as required by the attached Builder Input Sheet.

7.0 SUBMITTAL REQUIREMENTS

7.1 As-built Documents. Provide the following:

7.1.1 Final as-built drawings showing the as-built revision date. Revisions to the approved construction drawings shall be shown using a clouded symbol.

7.1.2 Final as-built specifications.

7.1.3 Final DD Form 1354 in compliance with UFC 1-300-08.

7.1.4 Final Shop Drawings –Digital copies specified in para. 7.5.6.4.

7.2 Final Test Reports.

7.2.1 HVAC Test and Balance Reports

7.2.2 Commissioning Reports

7.2.3 Fire Sprinkler Tests.

7.3 As-built Reproduction Requirements.

7.3.1 As-built Drawings: One 22" X 34" set bound together copy of site trailer detailed construction redlines.

7.3.2 As-built Drawings: One (1) compact disc of all digital drawing files in bound AutoCAD (dwg) format including one (1) file of the complete drawing set in pdf format. AutoCAD Files must be fully editable and match the drawings submitted. Partial files, files with missing attachments or layers or files formatted as read only or protected will not be accepted.

7.3.3 Specifications: One (1) set of revised specifications in Microsoft Word format on compact disc.

7.3.4 As-built Shop Drawings: One digital copy of structural steel and fire suppression shop drawings in AutoCAD (dwg) and pdf formats.

7.3.5 DD Form 1354: One digital copy and one (1) hard copy.

7.6 Equipment submittals. Provide two copies and contain sufficient literature, catalog cuts, brochures, etc., to show compliance with the contract specifications and plans. Submit with standard AF form 3000, dated, signed and identify by individual specification section the item submitting for. This should correlate to the submittal registrar at project inception. Incomplete AF3000 or sloppy documentation of submittal items shall be rejected and will have to be re-submitted. Items of related equipment or materials shall be submitted at one time. Each copy shall be in a separate binder. Mark all submittals to show choices and applicable options. Equipment submittals shall be given to the Project Manager as soon as possible, but in no case shall submittals exceed twenty one (21) days after the construction start date. No payments will be authorized for materials or work, which do not have approved submittal requirements.

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7.6.1 The government will within 14 calendar days return a minimum of one copy of the submittal marked to indicate approval or disapproval or approved as noted. The Contractor shall make any corrections indicated on the submittals. If the Contractor considers any correction to constitute a change to the contract drawings or specifications, written notice will be given to the Contracting Officer. Disapproved items will require resubmission for approval within 14 calendar days of Contractor's receipt. The Contractor will not be allowed to claim for time because of disapproved submittals.

7.6.2 Submittals approved by the Air Force shall not relieve the Contractor from responsibility for complying with the requirements of this contract (See FAR 52.236-5). No substitutions for approved items, which meet contract requirements, will be allowed without approval of the Contracting Officer. If submittals show variations from the contract requirements, the Contractor shall describe such variations in writing at the time of submission.

HILL AIR FORCE BASE
Construction Project Water Quality Compliance Planning Checklist

Instructions - This checklist should be used by the design engineer to determine the necessary design considerations and the submittals for a Stormwater Pollution Prevention Plan (SWPPP) and/or Erosion Control Plan (ECP) review. Once submitted by the Hill AFB PM, it will be used by 75 CEG/CEIE to review and approve these documents. (This checklist is not all inclusive; consult with CEIE for site-specific issues.)**

General

- **The attached form is a list of typical stormwater review criteria for all construction projects.**
 - **The Design Engineer should check each item on the list; if an item is not applicable to this project, the item should be noted as N/A**
 - **Upon submittal for plan review, the Design Engineer should sign this form indicating the checklist and all required documents have been submitted**
 - **Hill Air Force Base (AFB) Project Manager (PM) must review documents from the Design Engineer and check what is included with the packet and sign this checklist prior to submittal to 75 CEG/CEIE**
 - **A copy of this checklist must accompany the plans with all subsequent reviews, 75 CEG/CEIE will not accept plans for review without this signed checklist.**
 - **In providing approvals, 75 CEG/CEIE assumes that applicants have not made any errors and have complied with all applicable regulations. If after an approval, an error is discovered, or it is discovered that some aspect of approved drawings does not comply with applicable regulations, the applicant shall, at his own expense, revise the drawings and modify any infrastructure as necessary to correct the problem. Applicants and their design professionals shall remain responsible for their projects at all times.**
- **The Hill AFB PM is responsible for compliance with all Department of Defense (DoD), Air Force Instruction (AFI), Unified Facilities Criteria (UFC), and State of Utah Division of Water Quality (DWQ) requirements. In addition, the Hill AFB PM is responsible for compliance with the DoD Implementation of Stormwater Requirements under Section 438 of the Energy Independence and Security Act (EISA) and obtaining all necessary permits and approvals.**
- **Permit Requirements**
 - **Utah Pollutant Discharge Elimination System (UPDES) Municipal Separate Storm Sewer System (MS4) Permit (UTR090000) Part 4.2.4 and Part 4.2.5**
 - **UPDES Construction General Permit (CGP) (UTRC00000)**

PROJECT NAME: _____

PROJECT ADDRESS/LOCATION: _____

I have personally reviewed this submittal and verify that it is complete and that all items have been addressed and comply with current Base Codes and Requirements.

Design Engineer Signature: _____

Print Name: _____

Date: _____

Hill AFB Project Manager Signature: _____ **Date:** _____

Hill AFB SWPPP Reviewer Signature: _____ **Date:** _____

CEIE USE ONLY:

☐ **Municipal**



Industrial

High Priority Area?



YES



NO



COMMENTS (see attached)



PROCEED

HILL AIR FORCE BASE
Construction Project Water Quality Compliance Planning Checklist

Suggested Resources:

- HAFB Guidance Document for Stormwater Management, 2006
- Utah Division of Water Quality – Stormwater (Construction): 801-536-4368 or 801-536-4300
- Utah Division of Water Quality General Permit for Stormwater Discharges from Construction Activities:
<https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits>

Contact Information:

- Davis Weber Canal Company: 801-774-6973
- Fife's Ditch Company: 801-540-0571
- American Water:
 - Mark Persico – 801-940-6998
 - Colby Goodliffe– 801-695-9785 or 385-245-3297
- US Army Corps of Engineers: 801-295-8380
- 75 CEG/CENMP: David Murray – 801-777-2118
- SABER: Cody Duncan – 801-777-8489
- 75 CEG/CEIE: Michelle Cottle – 801-777-5041
- 75 CEG/CEIE: Randy Judd – 801-777-1866

HILL AIR FORCE BASE
Construction Project Water Quality Compliance Planning Checklist

PROJECT NAME: _____

DESIGN ENGINEER				Hill AFB PM USE ONLY		
INCLUDED	N/A	ANTICIPATED SUBMITTAL DATE	SUBMITTAL ITEM	YES	NO	N/A
DESIGN						
			Project name/title			
			Coordination with American Water for sanitary sewer discharges			
			Coordination with IWTP for industrial wastewater discharges			
			Permit/coordination with Army Corps of Engineers, if impacting wetlands			
			Permit/coordination with Davis/Weber Canal Co, if applicable			
			Coordination letter from water users, if impacting Fife's			
			Easement/covenant documents, if needed			
			Storm drainage calculations (separate document) for pipe system, surface route, and/or detention/retention ponds. Stamped and certified by a Utah-licensed professional engineer (PE), with the following statement: "I hereby certify that this report for the onsite drainage of the project was prepared by me (or under my direct supervision) in accordance with the provisions of Specification Section 01 57 20 Environmental Protection and Section 438 of the EISA, and was designed to comply with the provisions thereof. I understand that the Hill AFB project manager does not, and will not, assume liability for drainage facility designs."			
			Rationale for long-term BMP selection to include an evaluation of LID methods			
			Final stabilization plan			
STORMWATER POLLUTION PREVENTION PLAN						
			SWPPP prepared using the Utah DWQ Construction General Permit (CGP) template			
			Copy of UPDES NOI (required prior to pre-construction			
			Vicinity map with project location identified			
EROSION CONTROL PLAN						
			Existing contour lines (gray scale) at one-foot (1')			
			Proposed contour lines at one-foot (1') intervals			
			Locations of materials/equipment/stockpile storage			
			Storm drain system clearly identified (existing and			
			Direction of stormwater flow			
			Limits of disturbance			
			Locations/details for all erosion & sediment control BMPs			
POST-CONSTRUCTION STORMWATER CONTROLS						
			Rationale for BMP selection			
			Anticipated BMP pollutant removal			
			Impacts to water quality			
			Maintenance plan for each long-term BMP to include recommended routine maintenance, recommended inspection schedule, inspection requirements			

