# *\*Updated\* Answers to Questions*

(Newest Q&A first)

23 August 2016

# *23 August Q&A Post*

1. Civil/Site Question 3 requested information on the FAC 62-25 existing permit to clarify the requirements of Paragraph 6.4 of the Design Requirements, but the answer provided information on the NPDES construction permit rather than the FAC 62-25 stormwater permit. While this provided partial answers to the question, the information is insufficient to fully answer the question or provide the necessary information to determine the scope of work. Please provide the construction plans, calculations and FAC 62-25 approval letter for the project.

The project is a small 2270sf structure to be built atop an existing graveled area. The new structure, if constructed on undisturbed ground, would be exempt from new F.A.C. 62-330 permitting. However, the area that the new structure will be built upon was originally constructed with notation and drawings claiming to be covered under a swale exemption from F.A.C. 62-25 permitting back in 2002. The swale exemption required engineer design, confirmation that the swale system was constructed as designed and ongoing maintenance in order for the facility to remain under the exemption from the requirement to obtain a F.A.C. 62-25 permit. Records of the F.A.C. 62-25 swale exemption claim and drawings just happened to have been included with documentation for a separate F.A.C. 62-621 construction activity permit. That permit, for the original MILCON project FTEV023001 "COMBAT WEATHER CENTER" was given a Facility ID of FLR10K341 and associated records are found on the FDEP document system at (http://webapps.dep.state.fl.us/DepNexus/public/electronic-documents/FLR10K341/facility!search). For the originally constructed area to be in compliance with F.A.C. 62-25 (and the current F.A.C. 62-330 rule) the swale system must have been maintained and must be currently in a condition where a professional engineer can certify that it is functioning as designed to meet the State of Florida stormwater treatment requirements. Upon inspection by Hurlburt Field in-house engineers it was determined that the existing system has experienced erosion damage and can't be certified in its current condition. Thus in order to avoid new construction in an area where stormwater runoff treatment is not compliant with State of Florida regulations, the repair and professional engineer certification of the area originally affected by the former MILCON project FTEV023001 has been incorporated into the contract for the new 2270sf facility. Survey, geotechnical evaluation and engineer's runoff and treatment calculations for the originally affected area have to be accomplished to meet the requirements specified in the current F.A.C. 62-330 rule, so that the new 2270sf facility construction can also be deemed compliant. Construction plans for the original MILCON project FTEV023001 "COMBAT WEATHER CENTER" are available on the FDEP web link.

1. Paragraph 6.4 notes that information is not available to confirm the stormwater system is functioning as designed and inspection confirms the system does not conform to as-built drawings. Does the system experience flooding or other problems that require correction or is the concern that the system may be in violation of the permit requirements? Please elaborate on any problems.

Calculations for runoff and stormwater treatment, other than those found on the FDEP web link are not available. Facility users have not reported any flooding. Erosion of the existing stormwater treatment system has been noted by in-house engineer inspection.

1. Certain corrective actions and routine maintenance are allowed under the 62-25 permit. If evaluation of the system determines that any deficiencies can be corrected through activities authorized under the existing permit is a 62-330 permit still required and if so please explain so that we have a clear understanding of the intent?

The handbooks incorporated into the current F.A.C. 62-330 regulation state that maintenance may be conducted ...provided the terms and conditions of the ... exemption...under Chapter 62-25, F.A.C., continue to be met. It also further states that if the system is altered, modified, expanded, abandoned, or removed, it is subject to being regulated by Chapter 62-330, F.A.C. Survey, geotechnical evaluation, engineer's runoff and treatment calculations, and engineer certification that the system is adequate are required in either case.

1. Assuming that corrective action required to bring the system into proper function cannot be accomplished under the 62-25 permit and a new permit is required, is the intent to modify the existing system at the current location using best available technology or will expansion of the system into adjacent areas be allowed if such results in a better alternative.

If required, there is a limited amount of unused land area within the original MILCON project FTEV023001 footprint that could be utilized to expand the treatment system.

# *Q&A #1*

**GENERAL**

1. Will the Government consider a two-week extension of the current proposal due date of 30 August, 2016? With RFI’s due to the Government on 16 August, 2016 plus the timeframe for answers to be generated, posted and evaluated, I do not feel there is sufficient time to generate an accurate proposal.

Two additional days will be provided for proposal preparation.

**CIVIL/SITE**

1. Please confirm that the sanitary sewer service may be presumed to be a gravity lateral as depicted on the plan. The manhole appears to be about 4' deep +/-. The gravity service appears to be feasible, but will be uncomfortably close relative to slope and cover requirements. Final determination will require a detailed survey and design. To avoid unreasonable risk, or unnecessarily inflated pricing, we request that the "basis of bid" be confirmed to be gravity lateral as depicted on the plan.

The "basis of bid" is to be gravity lateral as depicted on the plan.

1. Please confirm that it will be acceptable to remove at least one of the magnolia trees along the route of the sewer lateral. Should a replacement(s) be provided?

Removing at least one of the magnolia trees is acceptable – replacement is preferred.

1. The language in Paragraph 6.4 "Storm Drainage" suggests that the project will not be considered exempt from ERP permitting by the "Below Thresholds" criteria. It suggests that an analysis of the "as-built" conditions from a previous permit will be required. This will have impact on: 1) Survey Limits, 2) Geotechnical Requirements, 3) Civil Design Requirements, 4) Permitting Labor, 5) Permit Review Time Potentially impacting construction commencement scheduling, and grading and drainage work for construction. In order to develop a reasonable estimate of the scope and cost of these efforts, copies of the original 62-25 permit and supporting drawings and calculations will be required.  Please furnish.

Public link to permit information below and copy attached separately.

<http://webapps.dep.state.fl.us/DepNexus/public/electronic-documents/FLR10K341/facility!search>

**ARCHITECTURAL**

1. Specification Index provided in the SOW includes Section 08 51 13 Aluminum Windows. There is no indication of windows on any of the RFP drawings. Please clarify if windows are required, and where they are to be located.

Spec Section 01 10 10, 8.4.1.4 Exterior Windows and Glazing. Provide 48 inch by 48 inch prefinished, fixed aluminum windows, similar to windows in building 91024, in the east wall of the large office and in the south wall of the conference room.

1. Specification Index provided in the SOW includes Section 06 41 00 Architectural Casework. RFP Drawing 1 – Conceptual Floor Plan indicates a storage cabinet in the SYS TRNG Room. Is this the casework? Please clarify what type of architectural casework is required, and where it is located.

Spec Section 01 10 10,

7.2 Systems Training Classroom, …cabinet storage and/or closet space with adjustable shelving for storage of A/V equipment and course curriculum articles.;

8.4.2.7 Cabinetry. Materials and construction of cabinets and countertops shall be in accordance with Architectural Woodwork Institute (AWI) quality standards "AWI Custom Grade" with plastic laminate finish except as noted below. Melamine is not allowed.

Wall and base cabinets shall be of the same construction and appearance with solid ends and frame fronts, or with frames all around. Frames shall be not less than 3/4 inch by 1-1/2 inches hardwood. All ends, bottoms, backs, and partitions shall be hardwood plywood. All drawers will include solid wood rails and plywood bottoms. Cabinet doors and drawer fronts shall be either hardwood plywood or medium density fiberboard cores with like materials both faces. Construction of cabinets shall be by mortise and tenon, dovetail, or dowel and glue joints. Countertops will be plastic laminate unless otherwise indicated.

Hardware: Provide cabinet hardware including minimum two self-closing hinges for each door and two side-mounted metal drawer slides for each drawer and pulls for all doors and drawers as follows. All cabinet hardware exposed to view shall be ANSI/BHMA 156.9, Grade 1, and comply with the following requirements:

a. Concealed Euro-Style, back mounted hinges with opening to 165 degrees and a self-closing feature at less than 90 degrees.

b. Drawer slides shall have a static rating capacity of 100 lbs. (444N), full extension.

c. Provide adjustable shelving standards with shelf support hardware for all cabinets.

Countertops shall be 100 percent solid acrylic surface material where indicated on the drawings. Solid surfacing material shall consist of 100percent pure acrylic polymer, mineral fillers, and pigments. The material shall be homogenous, not coated or laminated. Superficial damage to a depth of 0.010 inch shall be repairable by sanding or polishing. Install with factory recommended fasteners/adhesives/sealant.

1. Specification Index provided in the SOW includes Section 07 21 13 Board Insulation. RFP Drawing 1 Conceptual Wall Section indicates batt insulation in exterior wall and beneath SSMR. Please clarify if board insulation is required, and if so, where.

Board Insulation does not appear to be required. However, it is the Designer of Record’s responsibility to validate this requirement during the design phase.

1. Specification Index provided in the SOW includes Sections 09 65 00 Resilient Flooring, 09 68 00 Carpeting, and 09 69 00 Access Flooring. These materials are not designated in the RFP drawings. Please clarify where each is required.

Spec Section 01 10 10, 9. Interior Design

1. It is my understanding that Server Room shown on the RFP Drawing 1 Conceptual Floor Plan is to have access flooring. If this is the case, please clarify how deep the recessed floor slab is required to be.

Spec Section 01 10 10,

8.4.2.2 Flooring. Concrete slab-on-grade finish elevation shall match the floor elevation of existing building 91024 except Server Room slab shall accommodate a 12 inch deep raised access flooring system.;

9.1.2.1 Server Room. Floor shall be constructed of 12” elevated Computer Access flooring with high pressure laminate finish.

However, it is the Designer of Record’s responsibility to validate the final recess depth during the design phase.

1. RFP Drawing 1 Conceptual Floor Plan shows an accordion partition between the Server Room and Conference Room. This poses several questions:
2. Is there a sound rating required for the accordion partition? There is no Specification listed in the Index.

The addition of Specification Section 10 22 27, Operable Panel Partitions is attached.

1. Are there any security issues having an accordion partition between the Server Room and the Conference Room?

No.

1. Heating/cooling requirements for the Server Room and Conference Room will most likely be different. If the accordion partition is in the open position, how do you control the temperature and where would the thermostat be located?

Server Room and Conference Room will be on separate zones requiring a thermostat in each room. The Designer of Record must determine thermostat locations during the design phase.

1. At the site visit, it was stated that the existing equipment in Test Van 1, including the wall-mounted computer table tops, is to be relocated to the new building.
2. Is the Government relocating the equipment or the GC?

Spec Section 01 10 10,

3.2.1 Government Furnished Contractor Installed Equipment (GFCI) is not required.;

3.2.6 Furniture, Fixtures and Equipment (FFE). Movable furnishings including desks, workstations, chairs, tables, AV support furnishings and equipment, files, storage cabinets, shredders, and conference tables shall be Government Furnished, Government Installed (GFGI). The contractor’s design requires coordination with all GFGI FFE for all power, data and structural support requirements. Computer racks and rack mounted equipment shall be Contractor Furnished, Contractor Installed (GFGI).;

8.4.2.1 All walls to receive mounted items whether Government or Contractor provided or installed must have galvanized steel or treated wood blocking as structural backup. Grab bars must sustain a pulling force of 350 lbs. exerted in any direction. The Contractor is responsible for installing all blocking and coordination of the size, extent and location of blocking required for each item and shall coordinate blocking for Government furnished and installed equipment (GF/GI) with the Contracting Officer to confirm actual equipment weights and dimensions of the specific wall mounted equipment.

1. The amount and size of table tops exceeds the space allocated for the Server Room. Please clarify what equipment is to be located in the new building in order to determine space requirements, as well as locations for power/data/comm.

The Conceptual Floor Plan and Spec Section 01 10 10 establish minimum space requirements for a basis of design. Modifications to the concept plans are expected in order to fully develop the project requirements. The Designer of Record must determine locations for relocated equipment and power/data/comm.

1. If the table tops are being re-used, please indicate which walls so that blocking in walls can be provided.

The Designer of Record must determine locations for blocking during the design phase.

1. Are all of the exterior doors indicated on RFP Drawing 1 Conceptual Floor Plan to be insulated hollow metal? Do any of the exterior doors require vision lites?

The standard for exterior doors is insulated, hollow metal, IAW Spec Section 08 13 14. A vision lite for the entrance door is recommended, however this level of detail will be developed during the design phase.

1. Are any of the interior doors required to be hollow metal?

The standard for interior doors is flush wood, IAW Spec Section 08 14 16.

1. Are any of the interior doors required to have vision lites?

Vision lites are not expected for interior doors, however this level of detail will be developed during the design phase.

1. Are there any special hardware requirements for any of the doors, e.g. cipher locks, XO-10, etc.? If so, which doors?

No.

1. Are there any systems furnishings requirements? If so, where, and what type?

All furniture is Government Furnished Government Installed. The contractor is responsible for the design and installation of power, data and structural to support Government installation of furniture.

1. RFP Drawing 1 Conceptual Floor Plan shows the entry door at the new sidewalk between the existing and proposed buildings. The overhang appears to be approximately 2’-0” in depth. Is there a protective cover required for the entry door? If so, what type?

Spec Section 01 10 10,

8.4.1.3 …Exterior doors shall include minimum 5 ft x 5 ft concrete stoop and covered with metal canopy.;

8.4.1.5 Canopy. Provide metal canopy at each exterior door.

Specific metal canopy details will be developed during the design phase.

1. There is no indication of rainwater collection for the building. Are gutters, downspouts, and splash blocks required?

Spec Section 01 10 10,

6.4 Storm Drainage …The new facility will not utilize gutters or downspouts and will simply drain at the roof fascia to the ground.;

8.4.1.2 Roof. …It shall not incorporate the integral gutter that is a characteristic of the existing facility.

1. The existing building has a gable roof. Is the new building to have a gable roof?

Yes.

1. RFP Drawing 1 Conceptual Site Plan indicates a gate between the existing building and the proposed building. Is this gate to be moved elsewhere, or is it being relocated from somewhere else to this location?

The intent is to reuse the existing gate at the northeast corner of building 91024 shown on Conceptual Demolition Plan. However, the contractor must validate the feasibility of reusing the existing gate during the design phase.

1. Section 01 10 10 Page 12, para. 7.2 Server Room indicates an accordion partition. Please provide specification requirements for the accordion partition.

The addition of Specification Section 10 22 27, Operable Panel Partitions is attached.

1. Section 01 10 10 Page 15, para. 8.4.1.3 indicates to provide an insulated, lockable steel door in hollow metal frame at Mechanical. This infers a single door. The RFP Floor Plan drawing indicates a pair of doors. Please clarify.

The standard for a mechanical room is a pair of 3’ wide doors opening to the exterior. 4’ wide single leaf doors will be considered. This level of detail will be developed during the design phase.

1. Section 01 10 10 Page 15, para. 8.4.1.2 states that the new roof system shall not have integral gutter, but does not indicate if gutters are to be provided, and if they are to have downspouts and splash blocks. Please clarify.

Spec Section 01 10 10, 6.4 Storm Drainage …The new facility will not utilize gutters or downspouts and will simply drain at the roof fascia to the ground.

1. Section 01 10 10 Page 15, para. 8.4.1.4 states to put windows in the East wall of the large office, and the South wall of the Conference Room. Please clarify how many windows are required for each space.

A single window for the large office and a single window for the conference room.

1. Section 01 10 10 Page 15, para. 8.4.1.5 states to provide metal canopy at each exterior door. Please clarify if these are wall-hung canopies, or post-supported canopies. Wall-hung canopies will have downspouts that drain across the sidewalks.

There is no preference at this time. This level of detail will be developed during the design phase.

1. Section 01 10 10 Page 15, para. 8.4.2.2 states that the Server Room slab shall accommodate a 12” deep raised access floor system. Please clarify if the 12” depth refers to elevation of the slab recess below the main floor, or if the recessed floor system requires 12” of clearance.

The 12” depth refers to elevation of the slab recess below the main floor – allow for the finish elevation of the access floor to be flush with main floor finish elevation.

1. Section 01 10 10 Page 15, para. 8.4.2.7 stipulates wall and base cabinets. None are shown on the RFP drawings. Please clarify the location and extent of required wall and base cabinets.

Spec Section 01 10 10, 7.2 Systems Training Classroom, …cabinet storage and/or closet space with adjustable shelving for storage of A/V equipment and course curriculum articles. The Conceptual Floor Plan shows a storage cabinet in the northwest corner of the Systems Training room, however the final location and configuration will be determined during the design phase.

1. Section 01 10 10 Page 16, para. 8.5 lists Specification Section 07 21 13 Board Insulation. The RFP Wall Section Drawing does not indicate any board insulation. Please clarify where board insulation is required.

Board Insulation does not appear to be required. However, it is the Designer of Record’s responsibility to validate this requirement during the design phase.

1. Section 01 10 10 Page 18, para. 9.2 lists Specification Section 06 41 00 Architectural Wood Casework. Please clarify location and type of architectural wood casework required.

Spec Section 01 10 10, 7.2 Systems Training Classroom, …cabinet storage and/or closet space with adjustable shelving for storage of A/V equipment and course curriculum articles. The Conceptual Floor Plan shows a storage cabinet in the northwest corner of the Systems Training room, however the final location and configuration will be determined during the design phase.

1. Section 01 10 10 Page 19, para. 10.2.2.2 states that interior columns are not permitted based on the architectural layout presented in this RFP. The RFP Drawing Conceptual Floor Plan depicts interior columns projecting into various rooms. Please clarify.

The intent is a clear span rigid frame metal building system IAW spec section 13 34 19 – with all support at perimeter of building footprint. However, it is the Designer of Record’s responsibility to validate this requirement during the design phase.

1. Section 01 10 10 Page 22, para. 10.6.2.2 indicates structural masonry walls. The RFP drawings indicate 4” split-face CMU veneer. Please clarify where structural masonry is required.

Structural masonry does not appear to be required. However, it is the Designer of Record’s responsibility to validate this requirement during the design phase.

**ELECTRICAL**

1. What are the communications outside plant requirements for the facility?  Fiber, copper, conduit size, etc.

Spec Section 01 10 10, 15. Electronic Systems.

1. Does the outside plant fiber need to be installed to the nearest manhole or building Node?  If not, which building and is there a pathway to get there?

Spec Section 01 10 10, 15. Electronic Systems. Contractor will terminate fiber cable in 91023. Existing duct space availability must be verified by the Contractor and, if required, additional capacity shall be included in the project.

1. What are the communications requirements for the interior of the facility?  NIPR, SIPR, etc.  How many drops in each Office and Desk Location in the System Training Room?

Spec Section 01 10 10, 15. Electronic Systems. SIPR is not required. Detailed communication requirements will be developed during the design phase.

1. Is the D/B contractor responsible for providing racks in the server room?  If so, how many and what types?

The contractor shall provide one Hubell RE4XB for Base LAN.

1. What are the Server Room electrical requirements?  How many racks and what type of power is needed?

Detailed power requirements for the Server Room will be determined during the design phase.

1. Are there in user specific networks required for the facility.  Is the D/B contractor responsible for installing communications cabling for these networks?

The contractor will be responsible for installing Base telephone and LAN cabling. The using agency will be responsible for installing communication cabling for Government equipment not on the Base network.

1. Is access control required for the facility?

No.

1. Is intrusion detection required for the facility?

No.

1. Is CCTV required for the facility?

No.

1. There is a small box in the Mechanical Room labeled UPS.  What is this for?  Is a UPS required for the facility?  If so, what is it required to serve?

Fire alarm/Mass Notification System. Building UPS is not required.

1. Is there any audio/visual equipment required in the facility?

Spec Section 01 10 10, 7.2 Functional Area/Room Summary and Requirements; 15.3.3 Public Address System; and concept drawings.

1. Is a new pad mount transformer required for the facility?  If so, can primary be pulled from the existing pad mount transformer to the North?

Spec Section 01 10 10, 3.1.4 Electrical system consists of connecting to existing pad mount transformer to feed a new service panel.; and 14.2.2.2 Transformers. The existing 225KVA pad mounted transformer, T950-1 shall be utilized for the electrical feed to the new building.

1. Is LED lighting required for all interior and exterior fixtures?

See Spec Section 01 10 10, 14.2.3 Exterior Lighting. No new exterior lighting shall be provided, and 14.3.6 Lighting. LED fixtures shall be used.; and 14.4 Lightning Protection.

1. Is lightning protection required for the facility?

Spec Section 01 10 10, 3.1.4 All electrical infrastructure shall be new and consist of power, lighting, lightning protection, and fire alarm.

1. What size is the existing electrical service to the existing Weather Equipment?

See As-Built Drawing WE-101. However, the Contractor is responsible for verifying existing conditions.

1. What size is the existing electrical service to existing Panel T to remain?

See As-Built Drawing WE-101. However, the Contractor is responsible for verifying existing conditions.

1. Can existing electrical underground secondary/feeder being replaced be spliced or does the entire run need to be replaced?

See Spec Section 26 05 19 Building Wire and Cable. However, the Designer of Record must validate this requirement during the design phase.

*Q&A #2*

1. Can the proposed sanitary sewer invert elevations be provided for the connection and clean out?

No, new sanitary sewer invert elevations must be determined during the design phase.

2. Are there any existing ground elevations in the proposed building pad area available?

Spec section 01 10 12, 7.1.2 Existing Topographical Conditions: The Contractor shall be responsible for verifying existing conditions, performing utility locates on the site and accomplishing complete as-built surveys.

For information only, As-built Drawing WC-103 dated March 2004 is provided.

3. As this is a new "Training" facility, are there no requirements for Audio Visual Systems?

See Spec Section 01 10 10, 7.2.

*Clarification*

Section 01 10 10 Design Requirements

15.4.3 Communications Infrastructure

c. Rack mounted Cat 6 rated RJ-45, TIA-568A, 48 port patch panels shall be provided for horizontal cable terminations. Provide 66 wall ~~rack~~ mounted blocks for patching for voice backbone connectivity. All patch panels ~~and wiring blocks~~ shall be 19" wide.

h. (1) (a) Contractor will provide a 12 strand single mode fiber connection from the new facility to building 91023. Contractor will provide a 25 pair copper cable in the new facility to the nearest usable splice as designated by 1 SOCS. Copper and fiber cable must be one continuous length without any splices. Contractor will provide a minimum 2 each 4” inside diameter schedule **80** ~~40~~ conduits from the new facility to the nearest usable manhole as designated by 1 SOCS for the cable pathway for the fiber and copper cable. If relocating a manhole the contractor will need to provide 4” ~~schedule 40 or~~ schedule 80 conduit (depending on existing conduit) for building 91024. Additionally, the contractor may need to provide additional fiber optic, copper cabling, and splice materials for building 91024 as determined by 1 SOCS.