

Small Project Part 3 Statement of Work / Project Program

05/11

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1. PROJECT DESCRIPTION

Renovate Building 3010 to generate energy savings through improved design and technology and to promote improved operations and efficiencies for the units currently residing in the building. Included in the work, but not by way of limitation, are the following:

Work under this project includes, but is not limited to:

1. Demolition of select interior walls, interior doors, ~~_, bathrooms, interior lights, ceilings,~~ floors, and finishes
2. Installation of new select walls, interior doors, ~~ADA bathrooms, lights, ceilings,~~ floors, finishes and all associated work
3. Installation of a new fire sprinkler system and mass notification system throughout entire building
- ~~3.4. Demolition of all interior drop ceilings, ceiling mounted lights, light switches, thermostats and mini-blinds and installation of new ceilings, lights, occupancy sensors, programmable thermostats, and mini-blinds throughout the entire building.~~
- ~~4. Furring out the interior side of exterior walls~~
5. Application of solar film to existing skylight
6. Modifications to existing HVAC system to conform to new layout in areas receiving new flooring, see section D30. Work includes new programmable thermostats, grills, and registers throughout the building, and testing and testing/balancing and commissioning the areas receiving new flooring.
7. Recaulking all windows
8. Installation of solar film on storefront and windows.
9. Power wash existing exterior walkways
- ~~9.10. Demolition of existing bathroom fixtures and finishes and installation of new ADA bathroom fixture and finishes. Installation of new public ADA bathrooms.~~
- ~~10. New break room sink and cabinetry~~
11. Installation of new ~~occupancy sensors,~~ pass-through interior windows, conduit and junction boxes for card reader entry system, weather-stripping on all exterior doors, and select interior signage

The Designer of Record (DOR) is to determine extent of demolition required for the existing electrical, HVAC, and plumbing in order to ~~connect the new lights, new ceiling mounted HVAC registers and grills, and new plumbing fixtures meet the contract requirements.~~ Existing electrical wiring and conduit and existing HVAC ductwork ~~may beshall be~~ reused as much as possible if determined by the DOR that the existing is in good condition and meets existing code requirements. Protect systems designated and determined during design to remain during construction from damage including damage from dust and construction debris.

For bidding purposes, assume the following:

Due to the value of the renovations, there are no antiterrorism UFC 4-010-01 requirements under this project

All VCT and mastic contains asbestos, see Section F20

All metal doors, jambs and painted window frames contain lead based paint, see Section F20

The requirements of UFC 1-200-02 High Performance and Sustainable Buildings are not required under this project as they will be performed separately under another project

~~During the period of onsite construction activities, provide at a minimum two separate temporary office spaces for thirty five building occupants at a rate of 60 square feet per individual. Temporary office spaces may be either separate trailers/buildings, phasing of the construction to allow for use of the existing building, or a combination of both options. Temporary office trailers/buildings may be a combination of numerous smaller trailers or spaces. If temporary office trailers/buildings are used, they shall be located within the parking or grassed area outside of Building 3010. Temporary office spaces shall have electricity, air conditioning and heating, telephone, internet, bathroom facilities and 2 break~~

~~rooms with a refrigerator and microwave for each break room. One temporary office space shall have an open lobby type area that is a minimum of 120 square feet and be ADA accessible. Temporary office spaces may be occupied by the Government between the hours of 7am and 5pm, Monday through Friday.~~

1.1 SCHEDULING:

The building will be occupied Monday through Friday between 7am and 5pm during the construction period except for Federal holidays. The following work restrictions apply:

- 1) Asbestos floor tile removal in the EEO vestibule, HR Corridor, HR Reception Area and Classroom Corridor shall be performed on the weekend or after hours. See conceptual drawings in Part 6 for locations.
- 2) During working hours, access to the EEO Area and HR Area shall be free and clear for all Government persons and visitors, including handicapped. Contractor shall provide temporary ADA access ramps as required. Access from the exterior into the EEO Area shall be either by EEO vestibule, Lobby entrance or Classroom Corridor entrance. If access is provided from an entrance other than the EEO vestibule, Contractor shall provide temporary signage directing Government personnel and visitors to the EEO Area. Floor and ceiling finishes do not have to be installed for Government persons and visitors to occupy the spaces.
- 3) Pass & ID and Veterans Affairs (VA) shall be free and clear for all Government persons and visitors, including handicapped, during working hours. Contractor shall provide temporary ADA access ramps as required. Access from the exterior into the Pass & ID and VA areas shall be either by EEO vestibule, Lobby entrance or Classroom Corridor entrance. If access is provided from an entrance other than the Lobby, Contractor shall provide temporary signage directing Government personnel and visitors to the Pass & ID and VA areas. Pass & ID and VA personnel can be relocated temporarily to Training Classroom 1, Training Classroom 2, and Open Office 1 and 2. Contractor shall provide 6 temporary computer connections to the relocated Pass & ID and VA areas. Contractor shall move all Pass & ID and VA existing furniture, furnishings, and equipment, except for computers, printers and fax machines, to the temporary location and back into finished area at the completion of the work. See conceptual drawings in Part 6 for locations.
- 4) At least one male and one female bathroom facility shall be available to building occupants and visitors at all times during working hours.
- 5) Contractor shall move existing furniture, furnishings, and equipment, except for computers, printers and fax machines, that are in Area 4 as shown on conceptual drawing AD102 in Part 6 to another area within the building as indicated by the Contracting Officer.
- 6) Contractor shall move existing furniture, furnishings, and equipment, except for computers, printers and fax machines, that are in Area 3 to Area 4 as shown on conceptual drawing AD102 in Part 6.
- 7) New ceilings, lighting, occupancy sensors, thermostats, and fire sprinkler system are to be installed throughout the entire building. Installation of these items shall be coordinated with Contracting Officer at least 2 weeks prior to beginning work in an area. Each work station within the building will be made available for up to a one 8 hour period during the work day. Although the occupant will not be at the work station during the 8 hour period, their furniture, furnishings and equipment will be in the work station. The vacating of numerous work stations can be combined during an 8 hour period to allow the Contractor to work in a section of the building. In addition to the one 8 hour period where a work station will be vacated, the Contractor may performed additional work in an area but work shall not disturb Government employees for longer than a 1 hour time period during a single work day. Contractor shall protect work station and all equipment, furnishings and furniture. For example, the Contractor can schedule the western wing of the building to be vacated on Monday from 7am to 5pm. The Contractor can work in the space from Friday at 5pm to Tuesday at 7am. Following this, the contractor can work in the area for one hour on Tuesday, one hour on Wednesday and continue this until the work is complete.

1.2 SAMPLE SCHEDULE

The following schedule is provided to assist the contractor in scheduling the major portions of work. The schedule is not inclusive of all work on the project. The contractor is not required to follow this schedule but is required to meet the requirement in the previous paragraph 1.1 SCHEDULING. See conceptual drawings in Part 6 for location of existing Areas and rooms and location of final rooms.

- 1) Confirm there is VCT under carpet in areas indicated to be removed as shown in conceptual drawing AD101.
- 2) Test existing VCT and mastic for asbestos in areas indicated to have flooring removed in accordance with Section F2020.
- 3) Move existing furniture, furnishings, and equipment from Area 4 as shown as conceptual drawings AD102 in Part 6 to another area of the building as indicated by the Contracting Officer.
- 4) Move existing furniture, furnishings, and equipment from Area 3 to Area 4 as shown on conceptual drawings AD102 in Part 6.
- 5) Move existing furniture, furnishings, and equipment from Area 1 and Area 2 to the Training Classroom 1 & 2 and Open Office areas 1 & 2 as shown on conceptual drawings AD102 in Part 6.
- 6) Install a temporary ADA ramp at both the Classroom Corridor exterior door and the EEO Vestibule exterior door. Classroom Corridor and EEO Vestibule locations are shown on conceptual drawing AF110 in Part 6.
- 7) After test reports on VCT and mastic are received and provided to the Contracting Officer, remove flooring in EEO vestibule, HR Corridor, HR Reception Area and Classroom corridor over a weekend.
- 8) Set out temporary signage directing persons to Pass & ID and the VA via the Classroom Corridor entrance.
- 9) Remove flooring in all other areas indicated to be removed except for existing bathrooms.
- 10) Install new public bathrooms prior to beginning work on existing bathrooms so that bathroom facilities are available to Government employees and visitors at all times.
- 11) Perform work in the Lobby, Area 1, 2, and 3 as indicated in conceptual drawing AD102 in Part 6. Note that HR Reception wall must be removed prior to new wall being installed in HR corridor in Area 3 to allow for access down the hallway.
- 12) Installation of new ceilings, lighting, occupancy sensors, mini-blinds, thermostats and sprinkler system throughout the remainder of the building can be installed anytime as long as the conditions of the SCHEDULING paragraph above are met.
- 13) Move Pass & ID and VA furniture, furnishings and equipment to final location as shown on conceptual drawing A110 in Part 6.
- 14) Once Lobby is reopened, provide temporary signage to direct EEO visitors to EEO Area via Lobby and complete work in EEO Vestibule.

~~Submit a detailed plan with the bid package indicating the method (trailers/buildings and/or use of existing facility) and scheduling of the temporary office space. The occupants of the building will relocate to the temporary facilities during construction. Contractor shall move existing Government furniture, furnishings, and equipment (except for computers, printers and fax machines) to the temporary facilities during the construction period and back into Building 3010 at the completion of the construction. Computer equipment, printers, and fax machines will be relocated by others. Contractor shall give 4 weeks' notice prior to construction beginning and prior to moving back into building 3010 to allow others to relocate computer equipment.~~

The DB RFP conceptual drawings in Part 6 are provided for aesthetics and functionality. This does not preclude the Contractor from making improvements to the concept during design so long as such improvements are consistent with the requirements of the RFP and acceptable to the Government. The Contractor shall be allowed latitude in manipulating the drawings to improve functional layout, to accommodate structural, mechanical, electrical and other system conflicts and to allow flexibility for design and esthetic expression. However, the square footage allotted per room on the conceptual drawings in Part 6 is based on a Government standard and changes to the square footages of the room sizes will not be allowed without prior approval from the Contracting Officer. In addition, the location of

the offices compared to the surrounding offices was established to allow Government personnel in the same command to work together and any changes to the location of an office must be approved by the Contracting Officer. The Contractor shall perform all design calculations. If any calculations are provided in this DB RFP, the Contractor shall not rely on them for the final design.

In accordance with FAR 52.236-27, Contractor shall field verify all information during bid period to confirm existing conditions and determine the extent of work required under this project.

2. PROJECT OBJECTIVES

The objective of this project is to renovate Building 3010 with special attention paid to energy savings in accordance with federal mandates and executive orders. The existing building is a steel framed structure with a masonry exterior enclosure, slab-on-grade and steep sloped roof. The building does not have an existing fire sprinkler system.

2.1 APPLICABLE CODES AND STANDARDS:

In addition to the codes and standards listed in Part 4, the design and construction shall be in accordance with the latest revision/edition of the following referenced codes and standards. The term "Latest Revision/Edition" is defined as the version as of the project award date.

1. Georgia State Standards

State Standards are based on the Uniform Codes Act as codified at chapter 2 of title 8 of The Official Code of Georgia Annotated. O.C.G.A. Section 8-2-20(9) (B) identifies the ten "state minimum standard codes". Each of these separate codes typically consists of a base code (e.g. The International Building Code as published by the International Code Council) and a set of Georgia amendments to the base code. Georgia law further dictates that eight of these codes are "mandatory" (are applicable to all construction whether or not they are locally enforced) and two are "permissive" (only applicable if a local government chooses to adopt and enforce one or more of these). See additional information on Georgia Construction Codes at <http://www.dca.state.ga.us/development/constructioncodes/programs/codes2.asp>.

2. 2010 ADA Standards for Accessible design www.ADA.gov

2.2 SUSTAINABLE DESIGN

~~In accordance with Executive Order 13423, NAVFAC Engineering & Construction Bulletin (ECB) 2008-01 and other pertinent directives, integrate sustainable principles into the design, development and construction of the project. Reduce the total cost of ownership of the facility using a whole building, life-cycle approach.~~

~~Provide integrated sustainable design strategies and features to minimize the energy consumption of the facilities; conserve resources; minimize adverse effects to the environment; and improve occupant productivity, health, and comfort.~~

~~Provide narrative describing minimum sustainable characteristics of materials and systems used in project.~~

The requirements of UFC 1-200-02 High Performance and Sustainable Buildings will be met by MCLB Albany and will not be required as part of this contract. Contractor should make every effort to include sustainable design practices during the design.

2.3 ENERGY CONSERVATION

~~Energy efficiency shall be in accordance with UFC 1-200-02, High Performance Sustainable and Building Requirements for design elements included in this RFP.~~

3. SITE ANALYSIS

The project involves an existing building located on MCLB Albany. Building 3010 is freestanding and is served by all utilities and a parking lot. Construction services do not include site preparation, grading, clearing or major excavation.

When project is complete, cleanup grounds and repair/replace landscape, lawns, and sidewalks and building features that may become damaged during construction. Project includes no change to the building footprint, parking, landscaping, or drainage/storm water runoff.

3.1 EXISTING SITE CONDITIONS

Marine Corps Logistics Base Albany is located in Dougherty County in southwest Georgia about 80 miles southeast of Columbus GA. The base sits on approximately 3,300 acres. This project is located outside the security fencing at the Base entrance off of Fleming Road at Building 3010.

~~3.2 SITE~~ **3.2 SITE DEVELOPMENT**

Vehicular Access and Circulation

This project will not require an entrance road. Designated parking, temporary and laydown space will be assigned on the existing parking lot for Contractor use during construction.

4. BUILDING REQUIREMENTS

The completed building shall be ADA compliant. Provide barrier-free design in accordance with the requirements of the DEPSECDEF Memorandum "Access for People with Disabilities" dated Oct 31, 2008. The memorandum updates the DoD standards for making facilities accessible to people with disabilities. The US Access Board issued an update of the accessibility guidelines which the DEPSECDEF Memorandum implements with military unique requirements specified in the memorandum attachment. The new DoD, "ABA (Architectural Barriers Act) Accessibility Standard" (DoD ABAAS) and the DEPSECDEF Memorandum are located at <http://www.access-board.gov/ada%2Daba/aba-standards-dod.cfm>.

5. ROOM REQUIREMENTS

See Conceptual drawings attached in Part 6.

6. ENGINEERING SYSTEMS REQUIREMENTS (ESR)

- B20 Exterior Closure
- B30 Roofing
- C10 Interior Construction
- C30 Interior Finishes
- D20 Plumbing
- D30 HVAC
- D40 Fire Protection Systems
- D50 Electrical Power and Lighting

E20 Furnishings
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Frost penetration: Frost penetration depth: Zero (0) in.

Live loads: In accordance with UFC 3-310-3, 100 psf for corridors. Live Load _In accordance with IBC. Wind load: 115 mph, Exposure Category C

Earthquake loads: Mapped seismic acceleration parameters: S_S : 0.129; S_I : 0.061, Seismic Design Category B

B20 EXTERIOR ENCLOSURE

B2010 EXTERIOR WALLS

The primary exterior material of the building is brick masonry with metal siding. ~~Improve thermal performance of the building enclosure by furring the interior side of exterior walls, adding insulation and finished gypsum board interior surface, with base to meet ASHRAE 90.1 requirements. Wrap ends of insulation at windows, doors and other openings and return gypsum board into opening to butt finish against opening frame.~~

Exterior Coatings

Provide field applied exterior coatings for all new items that are not prefinished, to all existing items that were painted when installed, and to prefinished items when required to provide a color other than a standard prefinished color. All paint shall be in accordance with the Master Painter Institute (MPI) standards for the exterior architectural surface being finished.

Paint all exterior hollow metal doors and frames including all interior and exterior surfaces.

Joint Sealants

Provide exterior application of joint sealants to seal joints and prepare for finish material installation.

Remove existing sealants from all wall control and expansion joints, between opening frames and the brick masonry, and around all doors and windows. Replace backer rods and re-seal all existing joints as well as all joints directly affected by the construction.

Skylight

Provide film coating to skylight glazing to reduce transmitted glare and heat into the building. High performance, ~~non-metalized~~non-metalized, nano-technology film, manufactured to resist IR heat and block min 90% of UV rays and providing visual light transmission level of 60%, achieve a glare reduction of 32% and a Luminous Efficacy of 1.3.

B2020 EXTERIOR WINDOWS

Storefronts

Provide film coating to storefront glazing to reduce transmitted glare and heat into the building. Apply to fixed glass units and the glass in the doors. High performance, ~~non-metalized~~non-metalized, nano-technology film, manufactured to resist IR heat and block min 90% of UV rays and providing visual light transmission level of 60%, achieve a glare reduction of 32% and a Luminous Efficacy of 1.3.

B2030 EXTERIOR DOORS

Re-paint and re-use existing hollow metal doors. Reuse existing hardware.

Exterior Door Hardware

Clean, lubricate and refurbish all existing exterior door hardware.

Provide new weather-stripping at all existing exterior doors.

B30 ROOFING

Provide methods and materials necessary for watertight patch and repair of the existing roof system where the existing roof system is penetrated by the execution of this work. Finish materials shall match the existing.

Contractor shall investigate reported leaks around existing skylight and provide a written report to the Contracting Officer stating the reason for the leaks and including recommendations. Work to correct any identified repairs is not included in this project.

B3020 PERFORMANCE REQUIREMENTS

Patch and repair work is to be coordinated with and executed in accordance with requirements that do not invalidate existing roof warranty for the building. Patch and repair work is to be executed by a licensed and bonded roofer.

Work is to be watertight, free of defects in materials and workmanship, free of damage, including blisters, delamination, cuts, scratches, and abrasions. Provide for positive drainage of the roof surface, flashings, curbs, fasteners in the area where work is performed suitable for the climatic and service conditions of the installation.

The patched, replaced or repaired roof system components shall maintain the Class A or Class B fire resistance of the existing roof system, as tested by standard ASTM, FM, or UL procedures.

B3040 ROOF WARRANTY

Contractor shall perform all work as to not void existing roof warranty. If work is performed under this project that requires modifications to the existing roof, Contractor shall provide a written statement from roof warranty manufacturer certifying that work performed under this contract will not void existing roof warranty

B3050 ROOF SPECIFICATION AND DETAILING

All roofing patch and repair work, materials, installation and details shall be in accordance with Standard Design-Build Template PTS B30 and comply with all applicable Unified Facilities Guide Specification (UFGS) materials and installation requirements. UFGS's are referenced in PTS B30 and are available at www.ccb.org. Provide for complete rough carpentry, roof insulation, roof covering, sheet metal flashing, and other components necessary to complete the installation.

All details shall be in accordance with recommendations and guidelines of the National Roofing Contractors Association (NRCA) Roofing and Waterproofing Manual and Construction Details and as required by the RFP.

C10 INTERIOR CONSTRUCTION

C1010 PARTITIONS

Fixed Partitions

Provide fixed interior partitions. Sound-rated partition assemblies shall have a minimum Sound Transmission Coefficient (STC) of 40 in accordance with ASTM E 90 or ASTM E 413 for frequency data.

Interior fixed partitions shall be metal studs with 5/8 inch gypsum board on each side, metal studs with impact rated gypsum board on each side at corridors and other heavily trafficked areas. Where required for acoustic rating, extend partitions and seal to floor slab and roof deck, above. See conceptual drawings for locations of acoustical rated rooms.

Interior Windows

Provide interior pass thru windows of hollow metal fixed frames with clear glazing. Cut speaker holes in glass for transactions, location and size to be chosen by the Contracting Officer. Allow openings for paper transactions.

C1020 INTERIOR DOORS

Provide ~~all new~~ interior doors as indicated on conceptual drawings in Part 6, except for Janitor Room, Electrical Room, three classrooms, Storage Room A, and Communications Room. New doors shall be wood except where metal doors are required for durability or to meet fire ratings. ~~All interior door frames shall be new hollow metal.~~ New doors shall have Factory Finish to match existing doors. Provide doors finished to AWI Quality Standards Section 1500. Contractor shall refinish existing interior doors ~~to remain to match new doors that are indicated to be reused to match existing doors.~~

~~Provide vision glazing in all interior doors except for Storage Rooms and Bathrooms.~~

Interior Door Hardware

Provide the services of a Certified Door Hardware Consultant to prepare the door hardware schedule.

Provide ~~all~~ new interior door hardware for new doors.

Provide hardware keying compatible with the existing base-wide keying system. Replacement interchangeable cores shall be compatible with the Best Lock system.

Provide ~~conduit, junction boxes and access boxes for a AMAG Model S844 card reader door entry system at locations indicated on conceptual drawing A-110 in Part 6. key type access units for specialized entries where indicated on the drawings. Provide lithium battery powered, magnetic stripe keycard locksets that are ANSI/BHMA A156.13, Series 1000, Grade 1, mortise, UL listed with 1 inch (25 mm) throw deadbolt, 3/4 inch (19 mm) throw latch bolt, and 2-3/4 inch (68.75 mm) backset. Provide system for making/activating the cards and 200 cards. Card reader system will be provided and installed by others and is not included in this project.~~

Door hardware finish shall match the existing.

C1030 SPECIALTIES

Compartments, Cubicles, & Toilet Partitions

Provide toilet partitions in all toilet rooms with more than one water closet or urinal. Toilet partitions and screens shall be high density polyethylene/solid plastic.

Toilet and Bath Accessories

Provide toilet and bath accessories including 20" x 30" tall mirrors over lavatories, recessed trash receptacles for each bathroom, grab bars and robe hooks. Other toilet accessories are GFGI. Coordinate type of devices compatible with base standard and Contracting Officer.

Identifying Devices

Provide ~~20~~ ~~70~~ interior identifying devices. Identifying devices are to be laminated thermosetting Type MP plastic signs with colored background and raised white lettering/symbols that meet ADA requirements. Include universal symbols as required by Codes. Signs are to be placed at locations provided by the Contracting Officer. Verbiage for signs shall be provided by the Contracting Officer. ~~60-16~~ signs are to be 2 inches high by 10 inches wide. ~~40-4~~ signs are to be 8 inches high by 6 inches wide. A sample sign shall be made and provided to the Contracting Officer for final approval prior to making any of the signs.

Remove existing exterior sign over the ~~new-EEO area~~ (~~Vestibule 4~~) ~~area~~ and replace with similar. Photo provided in Part 6. Wording of sign to be coordinated with Contracting Officer.

Fire Extinguisher Cabinets and Fire Extinguishers

Salvage existing fire extinguishers, recondition and re-install. Provide additional fire extinguishers and cabinets where required by UFC 3-600-01 and the building / fire codes. Provide 4A; 80B; C type fire extinguishers.

Counters

Provide solid surface counter tops and back splashes in ~~break room~~ and toilets.

Cabinets

Provide cabinetry and millwork items with associated accessories and hardware. Cabinetry shall be AWI premium grade and have concealed hinges with adjustable standards for shelves. All exposed surfaces will be covered with high pressure plastic laminate clad.

Casework

Casework shall comply with Mil Std 1691.

Firestopping Penetrations

Provide all sleeves, caulking, and flashing for firestopping penetrations.

Entrance Floor Grilles and Mats

Contractor shall provide floor grids with carpet tread inserts and associated frames in Lobby to replace existing. Floor grids shall be aluminum rails spaced at 1.5 inches on center. Frames shall be surface mounted aluminum not less than 2 inches wide, screwed to the floor. Color to be chosen by the Contracting Officer. Carpet treads shall be carpet composed of solution dyed nylon or polypropylene carpet fibers. ~~Provide a minimum of 16 ft x 6 ft built in grill mat for the main entrance into the Waiting Area/Lobby and a minimum 8 ft wide x 6 ft long built in grill mat at the EEO Vestibule.~~

C30 INTERIOR FINISHES

See Conceptual Finish Plan for Room Finish Schedule and MCLB Albany Interior Architectural Standards as provided in Part 6.

C3010 WALL FINISHES

Provide 48 inches high of ceramic tile wainscot in all bathrooms. All interior concrete masonry partitions shall be prepared and repainted.

~~Unless noted otherwise, All interior gypsum board wall partitions indicated to be painted shall be finished to a level five surface and painted. See section C3030.~~

C3020 FLOOR FINISHES

See Conceptual Room Finish Plan and Schedule for extent of each finish. Work includes the following finishes.

Carpet

~~Carpet shall be level-loop-commercial 100-percent branded-nylon continuous filament tufted 24 by 24 inch-square modular tile. Carpet shall be 20-ounce, have a minimum of 1/10-inch-gauge-or-pitch, minimum of 10.5 stitches or rows/wires per square inch, minimum 0.153-inch pile thickness and be solution dyed. Base cove shall be type straight, 4-inch high, vinyl base with job formed corners.~~

Vinyl composition tile flooring

Class 2, 1/8 inch thick, 12 inch x 12 inch, through pattern vinyl composition tile with butt toe cove 4 inch high, vinyl base with job formed corners.

Ceramic tile flooring

Ceramic tile flooring shall be Class V, heavy commercial classification and a wet dynamic coefficient of friction value of 0.42 or greater

Conductive vinyl tile flooring

~~Conductive vinyl tile shall be 12 inches square and 1/8 inch thick. See UFGS 09-62-38.~~

C3030 CEILING FINISHES

Ceilings in Waiting Area/Lobby 1 and bathrooms shall be suspended gypsum board. Existing gypsum board ceiling in Lobby may be reused if determined to be in good condition by the DOR. No ceiling works shall be performed in the mMechanical, janitorial, electrical, sprinkler and communications rooms ~~shall not have a finished ceiling~~. All other ceilings shall be 24 inch by 24 inch by 5/8 inch minimum thickness suspended acoustical panel ceiling system with a tegular edge.

Where wall partitions with an STC rating of 40 extend to ceiling and not to deck, construct ceiling to achieve STC of 40 between the adjacent spaces.

~~Comm 1 room as indicated on drawings in Part 6 is to have no ceiling other than true roof deck.~~

Paint all gypsum board ceilings.

C3040 INTERIOR COATINGS AND SPECIAL FINISHES

Paint new and previously painted interior surfaces including walls, doors, trim, ceilings as well as all interior exposed metal items, access panels, and panel boxes in rooms receiving new flooring. All new walls shall be painted on both sides of wall. Provide transparent stain finish for wood surfaces unless indicated otherwise in the RFP.

D20 PLUMBING

D2010 PLUMBING FIXTURES

Provide low flow, energy efficient type of plumbing fixtures required for the occupancy, use, and functions described for this facility. Provide handicapped fixtures in accordance with the referenced criteria.

Water Closets

Provide wall mounted flush valve type water closets with concealed hard wired infrared sensor electronic controls in all restroom spaces.

Urinals

Provide low flow flush valve type urinals with concealed hard wired infrared sensor electronic control in all restroom spaces.

Lavatories

Provide countertop lavatories with concealed hard wired infrared sensor electronic controls and low flow aerators in Men's and Women's Restrooms 1. ~~Provide countertop sink with one compartment with low flow aerator in the Break room space.~~

Provide one piece wall mounted with concealed hard wired infrared sensor electronic control with low flow aerators in each Men's and Women's Public Restroom 1 private toilet.

Water Coolers

Provide one hi-low and one single height Barrier Free electric water coolers as indicated on drawings in Part 6. Unit shall run on 115 V at 15 Amps and delivering 8 gallons of chilled water per hour.

D2020 DOMESTIC WATER EQUIPMENT

Provide routing of water lines to equipment and vent lines extending out of the building. Connect vents to existing VTRs wherever possible. Avoid additional roof penetrations if possible.

Insulation & Identification

Provide insulation on domestic water hot and cold supply and recirculation piping that is exposed during construction.

Specialties

~~Provide ice maker connector box for a refrigerator in the Break room, exact location to be determined by Contracting Officer.~~

Other Domestic Water Supply

Provide piping supports in accordance with the IPC. Provide inspections, disinfection, and testing in accordance with the IPC.

D2030 SANITARY WASTE

Floor Drains

Provide floor drains in restrooms.

Sink Drains

Provide drain line from sinks.

Fixture Drains

Provide drain lines from water cooler, water closets and lavatories. Connect all new sanitary waste lines to the existing sanitary system below slab.

D30 HVAC

HVAC SYSTEM REQUIREMENTS

In accordance with Section 1, for bidding purposes, the requirements of UFC 1-200-02 High Performance and Sustainable Buildings are not required under this project

The existing HVAC equipment is to be reused. Provide inspection, testing and balancing in areas where new flooring is installed to ensure proper operation. ~~Provide independent third party commissioning services as is further defined in Paragraph D3070 Systems Testing and Balancing.~~

~~Provide air conditioning and heating distribution ductwork and controls throughout the building. Contractor may reuse existing ductwork if deemed acceptable and up to code by the DOR. All registers, diffusers, exhaust fans, and grills shall be new.~~

~~The HVAC system shall provide each zone with the choice of heating or cooling year round unless otherwise indicated. Each zone shall have its own limited range of control, as allowed by the control system central workstation.~~

~~Zone the HVAC system to maximize efficient conditioning of the entire building noting that areas are subject to variable and higher occupancies than other areas.~~

D3010 ENERGY SUPPLY

The existing building is served with natural gas supplied from the base. Contractor is to inspect premises to determine compliance of existing facility with current codes and standards in accordance with Part 2 and to report noncompliant construction to Contracting Officer before starting work.

Corrective action to bring natural gas supply up to current code is not included in this project.

D3040 DISTRIBUTION SYSTEMS

Air Distribution, Heating & Cooling

Provide insulated, galvanized steel ductwork if needed. Provide new steel grilles, registers, and diffusers in all areas of the building. Provide filter grilles for return air. Contractor may reuse existing ductwork if deemed acceptable and up to code by the DOR.

Exhaust Systems

Provide ducted exhaust ventilation systems and exhaust fans to serve ~~all ventilated zones of the facility~~ bathrooms. Provide in-line or ceiling centrifugal exhaust fans.

D3060 CONTROLS AND INSTRUMENTATION

HVAC Controls

Throughout the entire building, remove existing thermostats and replace with programmable DDC capable thermostats. If the outline of the existing thermostat is visible when the new thermostat is

installed, patch as necessary and repaint wall to the nearest column or joint to match the adjacent walls.

Coordinate with Contracting Officer to program DDC controls ~~as required~~. The existing DDC system shall remain. New ~~equipment thermostats~~ shall be tied into existing DDC system. For bidding purposes, assume the existing DDC system at the building has capacity to tie in the new thermostats. Adjust building set points via the Base DDC system to reduce overall HVAC equipment operating run times. Set point shall be as follows:

Occupied cooling set point = 77F
Unoccupied cooling set point = 79F
Occupied heating set point = 68F
Unoccupied heating set point = 60F

Once programming is complete provide history testing to indicate the temperature set points do clearly maintain as scheduled in each building as specified and relative humidity levels are kept below 60 percent.

D3070 SYSTEMS TESTING AND BALANCING

Provide complete Testing and Balancing (TAB) of all air and water distribution systems and HVAC equipment in areas that receive new flooring.

Commission building ~~HVAC subsystems as follows:~~ systems are not included in this project and will be performed by others.

~~1. Provide a Cx Plan for the project to include the following:~~

~~Assign a Cx agent to develop and oversee Cx activities~~

~~Generate the Owner's Performance Requirements document~~

~~Review building construction documents and provide commissioning input prior to completion of documents.~~

~~Develop list and description of performance testing to be required~~

~~Preside over system tests prior to beneficial occupancy.~~

~~Provide a training plan for the Owner's Operations staff.~~

~~Develop a systems manual to include OP&M, training, facility, and as-built materials.~~

~~2. Review the TAB report, provide feedback, and cite defects.~~

~~3. Execute the Cx Plan.~~

~~4. Provide a Cx Summary Report on all commissioned equipment.~~

~~Provide Fundamental Commissioning to meet the requirements of USGBC 2009 LEED Rating System and UFGS section 01 45 00.05 20, Design and Construction Quality Control. At a minimum Commission the following systems: HVAC systems and controls, lighting controls, and if provided, day lighting controls, refrigeration systems and controls, renewable energy systems, and domestic hot water systems.~~

D40 FIRE PROTECTION SYSTEMS

D4010 FIRE ALARM AND DETECTION SYSTEMS

Contractor shall provide a fire sprinkler system for the entire building. The building does not have an existing fire sprinkler system. In addition to other fire protection UFCs, the Contractor shall meet the design requirements set forth in UFC 3-600-10N Fire Protection Engineering (DRAFT). Provide a combined mass notification /fire alarm and detection system. Provide mass notification system in accordance with UFC 4-021-01. Fire protection equipment shall be identified in an approved manner.

Rooms containing controls for air-conditioning systems, sprinkler risers and valves, or other fire detection, suppression or control elements shall be identified for the use of the fire department. Approved signs required to identify fire protection equipment and equipment location shall be constructed of durable materials, permanently installed and readily visible. Fire protection signs are separate from interior signs called for in section C1030. 509.2 equipment access shall be provided and maintained for all fire protection equipment to permit immediate safe operation and maintenance of such equipment. Storage, trash and other material or objects shall not be placed or kept in such a manner that would prevent such equipment from being readily accessible.

Provide speakers for combined mass notification/fire alarm systems. Install carbon monoxide detectors and provide a system to monitor and supervise the carbon monoxide detectors.

Provide a remote annunciator with alarm acknowledge, alarm silence, and reset functions. The remote annunciator shall be located as directed by the Contracting Officer in conjunction with the cognizant NAVFAC Fire Protection Engineer. Provide Class A Notification Appliance Circuits, Class A, Style 6 Signaling Line Circuits.

Fire alarm signals shall be sent to the fire alarm receiving station via base approved method and will be compatible with existing equipment. All fire alarms, supervisory alarms and trouble conditions indicated at the fire alarm control panel shall be transmitted to the fire alarm receiving station. Transmitter zones shall be as follows:

- a) Sprinkler Water Flow
- b) ~~Smoke Heat~~ Detector
- c) Manual Pull Station
- d) Supervisory (i.e., valve tamper switch, fire pump loss of power, fire pump phase reversal)
- e) Duct Smoke Detector

D4020 FIRE SUPPRESSION WATER SUPPLY AND EQUIPMENT

Contractor shall assume for bidding purposes that existing water supply will be sufficient to meet the hydraulic demands of the building and that no fire pump will be required. The contractor will be responsible for performing a flow test in accordance with NFPA 291 and UFC 03.-600-01 and confirming that the existing system is adequate for the new fire protection system. If the existing system is not adequate for the fire protection system, notify the Contracting Officer immediately.

D4040 SPRINKLERS

Provide wet pipe automatic sprinkler protection for complete coverage throughout in accordance with UFC 3-600-0, UFC 3-600-10N Fire Protection Engineering (DRAFT), and NFPA 13.

The incoming sprinkler service shall be provided with a double check backflow preventer.

D4090 OTHER FIRE PROTECTION SYSTEMS

Provide portable fire extinguishers and cabinets as required in accordance with NFPA 10 and in accordance with section C1030.

D50 ELECTRICAL

The electrical design shall comply with the design criteria specified in UFC 3-501-01, *Electrical Engineering*, and its referenced documents.

Update all existing electrical systems to current codes and standards. Contractor may re-use existing electrical systems providing circuiting and devices as required for compliance with codes and standards. Contractor shall provide all new lights and outlets.

D5010 ELECTRICAL SERVICE & DISTRIBUTION

Provide an insulated equipment grounding conductor in all raceways for systems operating at greater than 50 volts.

D5020 LIGHTING & BRANCH WIRING

~~Provide a complete interior lighting system for the renovations of Building 3010. All conductors shall be copper.~~

RECEPTACLES

Provide ~~lighting and~~ general purpose receptacles throughout ~~all spaces as required~~ receiving new flooring if existing system is not up to code or do not meet the requirements set forth in this section. Provide circuitry and connections to each work stations ~~throughout the spaces in the areas to receive new flooring~~ to allow for, as a minimum, one computer, one monitor, one printer, one clock and one small fan per work station. Cabling systems are described in Paragraph D5030 Communications and Security. All new conduit and wiring shall be concealed unless run down a block wall in which case, conduit may be run exposed.

Provide dedicated power connections to all ancillary office equipment such as printers, faxes, plotters, and shredders. For bidding purposes, bid an additional ~~20-5~~ receptacles in the areas receiving new flooring in addition to what the NEC, drawings in Part 6, and section D5030 requirements. Provide GFCI receptacles and circuits where required by NFPA-70 National Electric Code.

LIGHTING

Provide a complete interior lighting system for the renovations of Building 3010. Contractor can reuse existing conduit and wiring if determined in good condition and up to code by the DOR. All conductors shall be copper.

Provide a complete efficient lighting system throughout the entire building 3010, even those areas not receiving new flooring. New lighting system shall consisting of exit and emergency lighting and interior area lighting consisting of fluorescent incandescent high intensity discharge lighting including switches and automatic controls including occupancy sensors automatic lighting shutoff systems dimming systems.

The fluorescent light fixtures shall adhere to the following requirements:

1. Electronic ballast shall be provided with anti-arcing and minimum power factor rating of 95%. The ballast shall be sound rated A. The ballast output frequency to the lamp shall be above 20 kHz to minimize visible flicker and outside frequency of 30-42KHz to avoid interference with infrared devices. The ballast shall be rapid start.
2. The lamp shall be T8 with medium bi-pin lamps suitable for rapid start ballast with 3500 degree Kelvin color temperature, 80 color rendering index (CRI) or higher and at least 20,000 hour rated average life. The lamp shall be low mercury with less than 70 picograms per lumen hour of life and shall be toxicity characteristics leaching procedure (TCLP) compliant. The lamp shall have green end caps to demonstrate TCLP compliance.

OCCUPANCY SENSORS

Provide and install occupancy sensor device(s) for each category of room as listed, as a minimum:

Room Category	Type of Occupancy Sensor
Private Office	PIR
Open Office Area	Dual Technology, ceiling mounted
Conference Room	PIR
Women’s Restroom	Dual Technology for bathrooms
Men’s Restroom	Dual Technology for bathrooms
Classroom and Breakroom	Dual Technology
Comms, Storage and Janitor rooms	PIR

Device(s) shall give full coverage over the controlled area. Occupancy sensors shall be Underwriters Laboratories (UL) listed. Occupancy sensors and power packs (if used) shall be designed to operate with existing building voltages. Sensors and power packs shall have circuitry that only allows load switching at or near zero current crossing of supply voltage.

Dual Technology Occupancy Sensors: Wall Mount and Ceiling Mount, PIR and Ultrasonic Technology:

Sensor shall be dual technology utilizing passive infrared (PIR) for movement and Ultrasonic sensor. Passive infrared sensor shall utilize Pulse Count Processing and Detection Signature Processing to respond only to those signals caused by human motion. The sensor shall provide high immunity to false triggering from RFI and EMI. PIR lens shall have standard, dense and long range type. Ultrasonic operating frequency shall be crystal controlled between 20kHz and 28kHz and shall utilize Advanced Signal Processing to adjust detection threshold dynamically to compensate for constantly changing levels of activity and air flow throughout controlled space. Ultrasonic shall have adjustable frequency for multiple ultrasonic occupancy sensors in same area. The sensor shall have no leakage current to load, in manual or in Auto/Off mode for safety purposes and shall have voltage drop protection. The sensor shall operate with rapid start fluorescent ballast and short ‘off’ times (5 minutes). Sensor shall have adjustable time delay (30 seconds to 30 minutes, minimum)

Coverage pattern:

Wall Mount:

- Minor motion, PIR 20’ X 15’, Ultrasonic 15’ X 15’
- Major motion, PIR 35’ X 30’, Ultrasonic 20’ X 20’
- Sensitivity adjustment: PIR (high/low), Ultrasonic (fully variable)

Ceiling Mount:

- Sensor shall have standard range 360 degrees lens with microphonics.
- Viewing angle shall be 56 degrees in a 360 degree conical shaped pattern.
- Sensor shall utilize advanced filtering to prevent non-occupant noises from keeping the lights on.

Sensor shall be UL Listed and shall operate at low temperature/high humidity. Sensor shall have manual override and manual on-off. Wall switch sensor shall accommodate loads from 0 to 800 watts at 120V; 0 to 1200 watts at 277V and shall have 180 degrees coverage capability. Wall-mounted sensors shall match the color of adjacent wall plates; ceiling-mounted sensors shall be white. Wall switch sensor shall be capable of detection of occupancy at desktop level up to 300 square feet and gross motion up to 1000 square feet.

Passive Infrared Occupancy Sensor (PIR):

Sensor shall be passive infrared sensor (PIR) only and shall utilize Pulse Count Processing and detection Signature Processing to respond only to those signals caused by human motion. The sensor shall provide high immunity to false triggering from RFI and EMI. PIR lens shall have standard, dense and long range type. The sensor shall have no leakage current to load, in manual or in Auto/Off mode for safety purposes and shall have voltage drop protection. The sensor shall operate with rapid start fluorescent ballast and short 'off' times (5 minutes). Sensor shall have adjustable time delay (30 seconds to 30 minutes, minimum). Wall switch sensor shall accommodate loads from 0 to 800 watts at 120V; 0 to 1200 watts at 277V and shall have 180 degrees coverage capability. Wall-mounted sensors shall match the color of adjacent wall plates; ceiling-mounted sensors shall be white. Wall switch sensor shall be capable of detection of occupancy at desktop level up to 300 square feet and gross motion up to 1000 square feet.

Dual Technology Occupancy Sensors in Restrooms: Wall Mount and Ceiling Mount
In restrooms, provide and install units that control lights AND exhaust fans.

Dual Technology Occupancy Sensor utilizing 'See and Hear' Technology.

Sensor shall be dual technology utilizing passive infrared (PIR) for movement and a listening device (microphone) for sound. Passive infrared sensor shall utilize Pulse Count Processing and Detection Signature Processing to respond only to those signals caused by human motion. The sensor shall provide high immunity to false triggering from RFI and EMI. Sensor shall be passive infrared sensor (PIR) and shall utilize Pulse Count Processing and Detection Signature Processing to respond to those signals caused by human motion. The sensor shall provide high immunity to false triggering from RFI and EMI. PIR lens shall have standard, dense and long range type. The sensors shall have two isolated relays to automatically turn both the lighting and fan load when initial occupancy is detected. The sensor shall have two internal timers to keep the lights/fan on during brief period of inactivity and turn the lights/fan off when time expires. The timers shall each be programmable from 30 seconds to 20 minutes and shall reset every time occupancy is re-detected. The sensor shall be set to 10 minutes for lights and 20 minutes for the fan. The sensor shall have no leakage current to load, in manual or in Auto/Off mode for safety purposes and shall have voltage drop protection. Wall switch sensor shall accommodate loads from 0 to 800 watts at 120V; 0 to 1200 watts at 277V and shall have 180 degrees coverage capability. Wall switch sensor shall be capable of detection of occupancy at desktop level up to 300 square feet and gross motion up to 1000 square feet.

D5030 COMMUNICATIONS & SECURITY

Telecommunications Systems

Provide cabling system consisting of CAT 6 cable. Provide ~~fifty-eight (58)~~fourteen (14) quad ports ~~throughout the building in the new Pass & ID and VA area and ten (10) other locations throughout the building as identified by the Contracting Officer.~~ Final location of devices is to be coordinated with Contracting Officer. ~~In the Pass & ID and VA area, t~~The intent is to ~~provide one~~provide one quad port at each work station, ~~each, each~~ space defined by wall enclosures and a door, ~~each room labeled as Storage, Waiting, Reception Area, Conference, and Classroom and two in the Waiting Area.~~ Cable each device with 1 data (blue), 1 data (green), 2 voice (white) with port colors matching cable. ~~Contractor may reuse existing conduit if determined by the DOR to be up to code and in good condition. New conduit shall be concealed unless on a block wall in which case, it can be run~~

exposed. For 10 other locations throughout the building, assume that there is no existing conduit and all runs shall be concealed (no block walls).

~~In Computer Classroom 1, there are numerous exposed computer cables and conduit attached to the CMU walls and freestanding alongside the movable partition that serves computers in the room. Do not damage the cables during construction. Relocate computer cables in the same general area inside new walls/furring. Coordinate exact location with the Contracting Officer.~~

Public Address and Intercommunications Systems

~~Provide a Public Address system with speakers in all common spaces and exterior speakers for outside activity spaces.~~

~~Interface the Public Address System with the Mass Notification System.~~

The following rooms shall be wired for a television system mounted within 3' of the ceiling with the number of locations per room in parenthesis:

- a) ~~Waiting area/lobby~~Lobby (2)
- b) ~~Pass & ID waiting room~~Waiting Room (2)
- c) ~~Conference Room~~
- d) ~~Computer Classroom (4)~~
- e)c) Training Classroom Room 1 (4)1
- f) ~~Training Classroom Room 2 (4)~~
- g)d) Break Room (1)

Work shall also include adding blocking to the walls for mounting of a TV bracket. Bracket will be provided by others. In addition to the blocking, Contractor shall provide and install a shelf for a TV to sit on in two locations to be identified by the Contracting Officer. TVs will be similar to existing TV in the current Pass & ID waiting room.

Exact location of electrical and cable outlets for televisions shall be coordinated with the Contracting Officer.

Security Systems

For card reader system, see Section C1020.

~~Provide card readers with electronically controlled door locks as indicated on the drawings in Part 6 and in Section C1020. Coordinate electronics and communications with security hardware with base standard.~~

In the Waiting Room, connect the door into the Pass & ID offices to a switch/button by the pass thru window so that Pass & ID employees can unlock the door to allow visitors to enter the Pass & ID offices. Exact location of the switch/button will be identified by the Contracting Officer. The door from the Waiting Room into the Pass & ID offices shall be locked at all times unless opened by a key or buzzed in via the switch/button at the pass thru window. The door will be in the unlocked position when going from the Pass & ID offices into the Waiting Room.

In the EEO Receptionist area, connect the interior door in the EEO Vestibule to a switch/button by the pass thru window so that the EEO Receptionist can unlock the door to allow visitors to enter the EEO area. Exact location of the switch/button will be identified by the Contracting Officer. The door from the interior door in the EEO Vestibule shall be locked at all times from the Vestibule into the EEO office area unless opened by a key or buzzed in via the switch/button at the pass thru window. The door will be in the unlocked position when going from the EEO office area into the EEO Vestibule.

E20 FURNISHINGS

E2010 FIXED FURNISHINGS

Fixed Furnishings (SID) are funded as part of the construction project and are not funded as part of collateral equipment.

Develop design as described herein and provide built-in cabinetry and window treatments. Cross-reference C3000 Interior Finishes for performance requirements. Each submittal must demonstrate complete coordination with the facility design and with the Furniture, Fixtures and Equipment (FF&E) package for movable loose furniture.

Window Treatments

All windows, other than storefronts, to the exterior of the building shall be provided with mini-blinds, including rooms that are not indicated to receive new flooring. Blinds shall have aluminum; 1 inch horizontal louvered blind slats with intermediate brackets provided for blinds over 48 inches wide.

~~Built-in Cabinetry~~

~~Design and provide base and wall cabinets to accommodate equipment such as sink, microwave, and commercial coffee pot and vanities for toilet rooms. See drawings in Part 6.~~

F20 SELECTIVE BUILDING DEMOLITION

F2020 HAZARDOUS COMPONENT ABATEMENT

~~For bidding purposes, assume the following:~~

- ~~a) All existing VCT mastic contains asbestos and requires remediation~~
- ~~b) All metal doors, jambs, and window frames contain lead based paint~~

~~Prior to starting any work in the building, contractor shall test areas where work is being performed existing VCT, VCT mastic, gypsum board, and gypsum board finishing/joint compound for asbestos and metal door, metal door jamb and painted window frame paint for lead content in accordance with current standards. Contractors shall submit test reports to the Contracting Officer at least 3 weeks prior to any work being performed, along with a summary of the areas that are listed above to contain ACM and lead and a list of the actual areas (including square footage).~~

Prior to starting any work in the building, Contractor shall test, where existing flooring is being removed, all existing VCT, VCT mastic, gypsum board, and gypsum board finishing/joint compound for asbestos. In areas receiving new paint, Contractor shall test all metal doors, metal door jambs and painted window frames for lead content in accordance with current standards. The intent is not to remove lead based paint from the doors, jambs or window frames but to take precautions during work around lead based paint. Contractors shall submit test reports to the Contracting Officer at least 3 weeks prior to any work being performed.

As indicated in Section 1, for bidding purposes, Contractor shall assume that existing VCT and VCT mastic contain asbestos material and metal doors, metal door jambs and painted window frames have lead containing paint.

Prior to the start of the work the ECATTS trained contractor is required to inspect the work area with the designer of record, and government representative to address existing potentially hazardous components as part of the work. The contractor is required to provide a list of hazardous components, locations and quantities that must be addressed as part of the work. If tests indicate results show evidence of hazardous materials, notify the Contracting Officer immediately.

Private Qualified Person (PQP)

The Contractor is required to hire a PQP to ensure compliance with the approved work plans and perform independent inspections, testing and verification of the hazardous components work

Disposal

All hazardous waste materials shall become the property of the Contractor and shall be transported, disposed of or recycled in accordance with local governance except for lead painted metal doors and jambs in which the contractor can turn over to the government to a location on Base to be recycled.

G20 SITE IMPROVEMENTS

G2030 PEDESTRIAN PAVING

Power wash existing concrete sidewalks [leading from Classroom Corridor, Lobby and EEO Vestibule to the parking lot. See Conceptual drawings, Part 6.](#)

G2040 SITE DEVELOPMENT

Contractor is allowed to use the existing parking lot on the east side of the building for temporary facilities. Contractor is responsible for repairing all damage to the parking lot during the period of construction.

G2050 LANDSCAPING

Seeding and Sodding

Replace and repair turf areas damaged or destroyed during the period of construction. Replace and repair existing trees, plants and landscape beds damaged or destroyed during the period of construction.

G30 SITE CIVIL/MECHANICAL UTILITIES

G3010 WATER SUPPLY

Domestic water supply is existing. Provide new water system for the fire protection system.

G3020 SANITARY SEWER

The sanitary sewer system is existing. Provide new connections as required.

-- End of Section --