

PROJECT MANUAL

VOLUME I

PROJECT: West Lafayette Wellness and Aquatic Center –
Bid Package No. 2
West Lafayette, IN 47906

TSC PROJECT NO.: 218700

A/E PROJECT NO.: 022525.000

OWNER: City of West Lafayette and Redevelopment
Commission for the City of West Lafayette
1200 N Salisbury St
West Lafayette, IN 47906

ARCHITECT/ENGINEER: Perkins+Will

DATED: June 21, 2019

PRE-BID MEETING: **Date & Time: July 9, 2019 @ 1:00PM**
West Lafayette City Hall, Room 114A
1200 North Salisbury Street
West Lafayette, IN 47906

BIDS RECEIVED: **Date & Time: July 25, 2019 @ 2:00PM**
West Lafayette City Hall, Council Chambers
1200 North Salisbury Street
West Lafayette, IN 47906

BIDDERS' CONTACTS:

ARCHITECT/ENGINEER:
PERKINS+WILL
410 North Michigan Avenue, Suite 1600
Chicago, IL 60611
Project Architect: Brent Ross
Phone: (312) 755-4795

CONSTRUCTION MANAGER:
THE SKILLMAN CORPORATION
3834 S. Emerson Avenue, Bldg. A
Indianapolis, IN 46203
Senior Project Manager: Ryan Panik
Phone: 317-788-5136

SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Sub Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to Work of this Section.

1.02 SUMMARY

- A. The intent of this Section is to indicate the Work required by the Subcontractors and to provide information regarding the duties, responsibilities, and cooperation required by the Contractors, with similar requirements for the subcontractors and suppliers.
- B. Owners right to maintain current operations
- C. Occupancy requirements
- D. Work by Owner
- E. Permits, fees, and notices
- F. Labor and materials
- G. Verifications of existing dimensions
- H. Project security
- I. Coordination of work
- J. Time of commencement and completion
- K. Schedule of contract responsibilities

1.03 WORK UNDER SEPARATE CONTRACTS

- A. Sub Contracts are defined to include the following contracts described in the Schedule of Contract Responsibilities included hereinafter; and each is recognized to be a major part of the project, with Work to be performed concurrently and in close coordination with Work of other Sub Contracts.
- B. The "Contract Documents," as defined in the General Conditions, include "the Drawings." Although Drawings are grouped and identified by classification of the Work, Contractors shall be responsible for their Work as specified herein and as indicated on the Drawings. Although the majority of the Drawings are "to scale," Contractors are directed to use indicated dimensions for determining material quantities and for other reasons. No

additional monies will be allowed due to Contractors using "scaling instruments" to determine material quantities or for other reasons.

- C. Separate subcontracts will be awarded as per the "**Schedule of Contract Responsibilities**" (see Part 3 – Execution). Contractors shall include Work required by the Specifications and Drawings for each contract area defined in the Schedule.
- D. Work for the complete construction of the Project will be under multiple subcontracts with The Skillman Corporation. The Construction Manager will manage the construction of the Project.
- E. Each Contractor shall be responsible for demolition and disposal of existing items relative to his Contract.

1.04 ADMINISTRATIVE RESPONSIBILITIES OF SUB CONTRACTORS AND CM

- A. The Construction Manager shall be responsible for the maintenance of the Construction Schedule and management of every phase of the Work.
 - 1. Each Subcontractor shall read the Specifications and Drawings for other separate Contracts for fixed equipment and the like to be incorporated or attached or built in to the Work; and familiarize himself with the requirements and responsibilities of other Contracts to enable the required coordination and supervision.
 - 2. Each Subcontractor shall also familiarize himself with other items to be incorporated into the Work including equipment and Work by the Owner.
 - 3. Each Subcontractor shall cooperate with the Construction Manager in notifying him when the Work is at a stage to require the services of other Subcontractors and shall notify the Construction Manager in the event that such other Contractors do not carry out their responsibilities in connection with such notification.
- B. Subcontractors shall cooperate with and assist the Construction Manager in the preparation of construction progress and procedures, schedule of product deliveries, and their effect on the overall project progress and completion. Other Subcontractors shall cooperate in getting their Work and the Work of their subcontractors completed according to the schedule as prepared and maintained by the Construction Manager. Each Subcontractor shall immediately notify the Construction Manager of a delay in delivery of products or the scheduled date of completion that may affect the total progress of construction.
- C. The Owner will furnish the topographical survey, either as a part of these Drawings or separately, giving the general topographical lines existing at the site and the property lines.
- D. Subcontractors required to make connections to existing utilities, especially sewerage where gravity flow occurs, shall verify grades and locations at points of such connections and shall notify the Construction Manager of circumstances which would adversely affect the proper flow or connection to such facilities.

1.05 SUB CONTRACTORS USE OF PREMISES

- A. General: During the construction period, the Sub Contractors jointly shall have full use of the premises for construction operations, including use of the site. Each Sub Contractor's use of the premises is limited only by the Owner's right to perform work or to retain other Subcontractors on portions of the Project.

1.06 OWNERS RIGHT TO MAINTAIN OPERATIONS

- A. Subcontractors must expend their best effort toward protection of the health, safety, and welfare of occupants on the Owner's property during the course of Work on this Project.
- B. Subcontractors shall be subject to such rules and regulations for the conduct of the Work as the Owner may establish. Employees shall be properly and completely clothed while working. Bare torsos, legs and feet will not be allowed. Possession or consumption of alcoholic beverages or drugs, tobacco, and other noxious behavior on the site is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on the project site.

1.07 OCCUPANCY REQUIREMENTS

- A. Partial Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building prior to Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.
 - 1. The Construction Manager will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.
 - 2. The Construction Manager will obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.
 - 3. Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational. Required inspections and tests shall have been successfully completed. Upon occupancy, the Owner will operate and maintain mechanical and electrical systems serving occupied portions of the building.
 - 4. Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building.

1.08 WORK BY OWNER

- A. The Owner intends to complete the following items of Work outside the provisions of these Contract Documents. Subcontractors shall not restrict or interfere with the Owner's right to the Project to accomplish this Work.
 - 1. Equipment and furniture except as scheduled and specified under Divisions 6, 11 and 12 and shown on the Drawings.
 - 2. Items which may be deleted from Contracts for Work as required by the Contract Documents.
 - 3. The purchase and supplying of certain materials as noted in the Project Manual.

1.09 PERMITS, FEES, AND NOTICES

- A. The Construction Manager will secure the general building permit for the Owner. Each Subcontractor shall secure and pay for other permits, governmental fees, and licenses necessary for the proper execution and completion of his Work, which are applicable at the time the bids are also received. Fees to relocate utilities on Owner's property shall be included in the bid of the Subcontractor doing the relocation.
 - 1. State filing fees for plan approval are the responsibility of the Owner and will be paid by the Owner.
- B. Utility Tie-Ins: Shall be arranged with local utility company and other involved parties for minimum interruption of service.
- C. Shutdowns of existing systems shall be limited to minimum time required and scheduled with other involved parties. Provide 2 days written notice of shutdown to Construction Manager and Owner.
- D. Inspections of installed work shall be performed by the governing authority as arranged for by the Subcontractor. Work shall not be covered until approved.
- E. Each Subcontractor shall give notices and comply with laws, ordinances, rules, regulations, and orders of public authorities bearing on the performance of his Work. If a Subcontractor observes that the Contract Documents are at variance therewith, he shall promptly notify the Construction Manager in writing, and necessary changes shall be adjusted by appropriate notification. If a Subcontractor performs Work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Construction Manager, he shall assume full responsibility therefore and shall bear the costs attributable thereto.

1.10 LABOR AND MATERIALS

- A. Unless otherwise specifically noted, the Subcontractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of his Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.
- B. Each Subcontractor shall enforce strict discipline and good order among his employees or other persons carrying out Work of his Contract and shall not permit employment of unfit person or persons or anyone not skilled in the task assigned to them.

1.11 CUTTING AND PATCHING

- A. Refer to Section 01 73 10 - Cutting and Patching, for provisions on this subject.

1.12 VERIFICATIONS OF EXISTING DIMENSIONS

- A. When verification of existing dimensions is required, the Subcontractor requiring said verification for the construction or fabrication of his material shall be the Subcontractor responsible for the procurement of the field information.

1.13 PROJECT SECURITY

- A. Each Subcontractor shall take all reasonable precautions to prevent injury, damage or loss to people and property in, on and adjacent to the project. This shall include not only their own work or property but that of other contractors and the Owner.
- B. If deemed necessary by The Construction Manager a project wide security program may be developed for the purpose of preventing damage or loss at the project site or property adjacent thereto. Once accepted by the Owner, contractors shall comply.

1.14 SCHEDULE OF CONTRACT RESPONSIBILITIES - SCOPE

- A. Subcontractors shall submit their proposals based on the work included under each contract area as listed herein. Include Work necessary for a complete project, as shown on the Drawings and called for in the Specifications.
- B. Questions concerning the phasing or "Schedule of Contract Responsibilities" should be directed to the Construction Manager, who will be the interpreter and be responsible for this Schedule of Contract Responsibilities and Contract Breakdown, prior to submitting proposals and during construction.
- C. The requirements of Division 1 are a part of the Work of each and every contract area. The Contractor for any one contract area shall be familiar with the Work and requirements of all other contract areas.
- D. Certain Specification Sections describe Work to be performed under several contract areas. (Example: 06100 - Rough Carpentry.) Provide Work of this nature as required for each contract area whether or not enumerated in the Schedule of Contract Responsibilities.
- E. The Drawings and Specifications as furnished for each of the Contracts is for the convenience of the Contractor in preparing a proposal for this Project. However, each Contractor is responsible to review the complete set of Drawings and Specifications to assure that Work required to be installed to complete his phase of the Work is included in his proposal. This "Schedule of Contract Responsibilities" is a definition of the work as it is to be bid in separate contracts. Where a specific item of Work is not defined, but is normally inherent to a trade, or is included in the scope of the applicable technical revision, it will be the responsibility of that Contractor to include the Work in his proposal.
- F. This "Schedule of Contract Responsibilities" is to aid each Subcontractor in defining the Scope of Work to be included in his proposal. However, omissions from this "Schedule of Responsibilities" do not relieve the Subcontractor from including in his proposal that Work which will be required to complete his Contract. Each Subcontractor should read the "Schedule of Contract Responsibilities" completely to familiarize himself with the Work of other Subcontractors that may have Work in adjacent areas and to coordinate the interfacing problems that may occur as the work is assembled and constructed.
- G. Where specific Work is to be completed under a particular phase of the Project and the Work is wholly or partially completed by other trades because of the type of work involved or jurisdictional trade agreements, the Subcontractor will be responsible to subcontract the Work as necessary to complete the Work included in his Contract. No

delay in the Work will be allowed due to the failure of the Subcontractor to subcontract related work required by jurisdictional trade agreements.

1.15 COORDINATION OF WORK

- A. Each Subcontractor is responsible to coordinate his Work with the Work of other trades and other Contractors and requirements of the Owner. The Contractor must make space allowances for Work of other Subcontractors; provide necessary openings where indicated or implied by the Drawings and Specifications. Each Subcontractor is responsible to protect his own Work.

1.16 TIME OF COMMENCEMENT AND COMPLETION

- A. The Contractor shall commence work within ten (10) days after being notified in writing to proceed and shall complete the Work within the time limitations established in the Form of Agreement.
1. It is anticipated that construction for Bid Package #2 will start within 30 calendar days after receipt of bids. Bid Package #1 is currently under construction.
 2. Construction shall be complete per schedule.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SCHEDULE OF CONTRACT RESPONSIBILITIES

3.02 GENERAL REQUIREMENTS

- A. PROVIDED BY THE CONSTRUCTION MANAGER
- | | | |
|---------|----------|--------------------------------|
| Section | 01 32 00 | Schedules and Reports |
| Section | 01 45 10 | Testing Laboratory Services |
| Section | 01 51 50 | Temporary Water |
| Section | 01 52 60 | Rubbish Container |
| Section | 01 53 10 | Fencing (Temporary) |
| Section | 01 55 00 | Access Roads and Parking Areas |
| Section | 01 57 60 | Project Signs |
| Section | 01 71 50 | Final Cleaning |
- B. PROVIDED BY ALL SUBCONTRACTORS AS APPLICABLE
- | | | |
|---------|------------|------------------------------------|
| Section | 01 12 00 | Multiple Contract Summary |
| Section | 01 13 00 | Delegated Design Requirements |
| Section | 01 19 13 | General Commissioning Requirements |
| Section | 01 23 00 | Alternates |
| Section | 01 25 00 | Contract Modification Procedures |
| Section | 01 25 00.1 | Substitution Procedures |
| Section | 01 28 00 | Schedule of Values |
| Section | 01 29 00 | Applications for Payment |
| Section | 01 31 00 | Project Meetings |
| Section | 01 32 00 | Schedules and Reports |
| Section | 01 33 00 | Submittal Procedures |
| Section | 01 40 00 | Quality Requirements |

Section	01 45 10	Testing Laboratory Services (Paragraph 1.05)
Section	01 50 50	Temporary Facilities and Controls
Section	01 51 80	Temporary Fire Protection
Section	01 53 20	Tree and Plant Protection
Section	01 54 60	Environment Protection
Section	01 54 80	Utility Protection
Section	01 55 00	Access Roads and Parking Areas
Section	01 56 20	Dust Control
Section	01 56 30	Water Control
Section	01 56 90	Housekeeping and Safety
Section	01 59 20	Offices and Sheds
Section	01 60 00	Product Requirements
Section	01 72 00	Field Engineering
Section	01 72 50	Work Layout
Section	01 73 10	Cutting and Patching
Section	01 77 00	Contract Closeout

All Subcontractors shall provide their Superintendents with radios capable of handling multiple channels and compatible with radios used by the Construction Manager.

All contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor, however, at a minimum your site personnel will be required to use this product to facilitate communication. PlanGrid will be used for the current construction documentation to include, current set, addenda, ASI, As Built Conditions, QA/QC, and Punch List. Visit the www.PlanGrid.com to determine subscription pricing. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents

C. **PROVIDED BY DESIGNATED SUBCONTRACTORS**

Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	01 51 30	Temporary Heating, Ventilation and Cooling
Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 30	Barricades
Section	01 56 80	Erosion Control

3.03 BID CATEGORIES

- A. **BID CATEGORY NO. 1 – Site Demolition, Earthwork and Site Utilities (Previously Bid)**
- B. **BID CATEGORY NO. 2 – Building Concrete (Previously Bid)**
- C. **BID CATEGORY NO. 3 – Structural Steel and Glue-Laminated Construction (Previously Bid)**

D. BID CATEGORY NO. 4 – General Trades

General Requirements in Paragraph 3.02.B above.

Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 30	Barricades
Section	01 56 80	Erosion Control
Section	03 30 00	Cast In Place Concrete
Section	05 50 02	Metal Fabrications – Miscellaneous
Section	06 10 00	Rough Carpentry
Section	06 41 00	Architectural Wood Casework
Section	06 63 00	Fiberglass Reinforced Plastic (FRP) Railings
Section	07 42 14	Insulated Metal Wall Panels
Section	07 42 16	Preformed Metal Wall Panels
Section	07 42 50	Fiber Cement Wall Panels
Section	07 42 93	Digitally Printed Aluminum Soffit Panels
Section	07 92 00	Joint Sealants
Section	08 11 13	Hollow Metal Doors and Frames
Section	08 14 16	Flush Wood Doors
Section	08 31 00	Access Doors
Section	08 33 13	Coiling Counter Doors
Section	08 33 23	Overhead Coiling Doors
Section	08 71 00	Finish Door Hardware
Section	08 71 13	Automatic Door Operators
Section	09 64 66	Wood Strip Sports Flooring
Section	09 65 66	Resilient Athletic Flooring
Section	09 67 23	Seamless Resinous Flooring
Section	09 77 40	Graph Modular Wall System
Section	10 11 00	Visual Display Surfaces
Section	10 14 23	Interior Signs
Section	10 22 24	Stacking Panel Partitions
Section	10 26 10	Wall & Corner Guards
Section	10 28 00	Toilet Accessories
Section	10 44 00	Fire Protection Specialties
Section	10 51 26	Solid Resin Wardrobe Lockers
Section	10 82 00	Louver Screen Enclosures
Section	11 66 23	Gymnasium Equipment
Section	11 66 53	Gymnasium Dividers
Section	12 24 13	Roller Window Shades
Section	12 36 62	Solid Surface Countertops
Section	12 48 13	Recessed Floor Mats and Frames
Section	12 93 00	Site Furnishings
Section	14 24 23	Hydraulic Elevators
Section	31 10 00	Site Clearing
Section	31 14 17	Selective Site Demolition
Section	31 20 00	Earth Moving

Section	31 23 19	Dewatering
Section	31 25 00	Erosion Control
Section	32 12 16	Asphalt Paving
Section	32 13 13	Concrete Paving
Section	32 13 16	Decorative Concrete Paving
Section	32 13 73	Concrete Paving Joint Sealants
Section	32 17 23	Painted Pavement Markings
Section	32 17 26	Tactile Warning Surfacing
Section	32 91 30	Soils
Section	32 92 00	Turf and Grasses
Section	32 93 00	Plants

Project Specific Clarifications:

1. Provide temporary sanitary facilities beginning November 1, 2019 thru duration of project as required.
2. Provide dumpsters and rubbish containers for the duration of the project. Bid Category No. 5 and 7 to provide dumpsters and rubbish containers for their own work.
3. Provide all work associated with Salisbury Street Phase 1 multi-use trail (Alternate No. 16). This includes all demolition, erosion control, earthwork and improvements. Topsoil distribution for project site, excluding multi-use trail, is included in Bid Category No. 1. Erosion control blanketing for entire project is included in this Bid Category.
4. Provide and maintain concrete washout pit/dumpster for all site concrete spoils. Bid Category No. 2 to provide washout pit/dumpster for their own spoils.
5. Provide road cleaning/sweeping for the duration of the project.
6. Provide over excavation for all curbs and walks. Spoils generated from excavation shall be taken to a designated area on-site.
7. Provide FRP stair and railing system as shown on A41-01 detail 1 and 4.
8. Include 200 labor hours for use at the discretion of the Construction Manager.
9. Provide all wood blocking – interior and exterior. Bid Category No. 6 to provide blocking for their own work.
10. Furnish aluminum door hardware to Bid Category No. 8.
11. Provide asphalt patch (including aggregate sub-base); at locations in existing parking lot where sub-surface drains (SSDS) are installed. Reference site utility plans for all locations.
12. Provide aggregate sub-base for asphalt paving and site concrete sections.

E. BID CATEGORY NO. 5 – Masonry

General Requirements in Paragraph 3.02.B above.

Section	01 52 60	Rubbish Container
Section	04 42 00	Unit Masonry
Section	04 73 15	Thin Adhered Calcium Silicate
Section	07 21 00	Building Thermal Insulation
Section	07 27 26	Fluid Applied Air Barriers

Project Specific Clarifications:

1. Provide dumpsters and rubbish containers for your own work.
2. Provide winter protection for your work based on the construction schedule.
3. Provide all exterior wall rigid insulation for all wall types.

F. **BID CATEGORY NO. 6 - Roofing**

General Requirements in Paragraph 3.02.B above.

Section	06 10 00	Rough Carpentry
Section	07 54 23	Fully Adhered Thermoplastic (TPO) Sheet Roofing
Section	07 62 00	Sheet Metal Flashing and Trim
Section	07 71 10	Manufactured Roof Specialties
Section	08 62 13	Unit Skylight

Project Specific Clarifications:

1. Provide all wood blocking/sheathing within roofing system.

G. **BID CATEGORY NO. 7 – Metal Framing, Drywall and Ceilings**

General Requirements in Paragraph 3.02.B above.

Section	01 52 60	Rubbish Container
Section	07 84 43	Joint Firestopping
Section	09 22 16	Non-Structural Metal Framing
Section	09 29 00	Gypsum Board
Section	09 51 00	Acoustical Ceilings
Section	09 84 33	Sound Absorbing Wall Units

Project Specific Clarifications:

1. Provide dumpsters and rubbish containers for your own work.
2. Include 100 carpenter hours for use at the discretion of the Construction Manager.

H. **BID CATEGORY NO. 8 – Aluminum Entrances and Storefronts**

General Requirements in Paragraph 3.02.B above.

Section	07 92 00	Joint Sealants
Section	08 16 13	Fiberglass Reinforced Plastic Resin Doors & Frames
Section	08 41 13	Aluminum Storefront and Entrances
Section	08 44 13	Aluminum Curtain Walls
Section	08 71 00	Finish Door Hardware
Section	08 71 13	Automatic Door Operators
Section	08 80 00	Glazing

Project Specific Clarifications:

1. Bid Category No. 4 to furnish aluminum door hardware to this category for installation. Include installation of automatic door operators on aluminum doors.
2. Include access control/electrified door hardware wiring internal to aluminum doors and frames, to accessible ceiling.

I. BID CATEGORY NO. 9 - Flooring

General Requirements in Paragraph 3.02.B above.

Section	03 54 16	Cementitious Floor Underlayment
Section	09 05 61	Moisture Vapor Emission Control
Section	09 05 65	Preinstallation Testing for Floor Finishes
Section	09 30 00	Tiling
Section	09 65 13	Resilient Wall Base
Section	09 65 19	Resilient Tile Flooring
Section	09 65 38	Static Dissipative Resilient Floor Coverings
Section	09 68 13	Carpet Tile

Project Specific Clarifications:

J. BID CATEGORY NO. 10 – Painting and Wallcoverings

General Requirements in Paragraph 3.02.B above.

Section	09 91 00	Painting
Section	09 96 29	High Performance Natatorium Coatings

Project Specific Clarifications:

1. Include 100 painter man hours for use at the discretion of the Construction Manager.

K. BID CATEGORY NO. 11 – Swimming Pool

General Requirements in Paragraph 3.02.B above.

Section	13 08 00	Commissioning of Aquatic Systems
Section	13 11 13	Pool General
Section	13 11 14	Pool Start-Up, Maintenance & Operations Training
Section	13 11 18	Pool Concrete
Section	13 11 20	Pool Pipe and Pipe Fittings
Section	13 11 23	Pool Pipe Supports
Section	13 11 24	Pool Valves
Section	13 11 25	Pool Centrifugal Pumps
Section	13 11 30	Pool Regenerative Media Filters
Section	13 11 35	Pool Ultraviolet Disinfection Equipment
Section	13 11 37	Pool Chemical Systems and Controls
Section	13 11 40	Pool Heating Systems
Section	13 11 43	Pool Stainless Steel Gutter
Section	13 11 45	Pool Rail Goods
Section	13 11 46	Pool Equipment
Section	13 11 60	Pool Quartz Aggregate Finish
Section	13 11 61	Pool Ceramic Tile
Section	31 20 00	Earth Moving

Project Specific Clarifications:

1. All spoils generated from swimming pool excavation shall be taken to designated area on site.

- L. BID CATEGORY NO. 12 – Fire Protection
 General Requirements in Paragraph 3.02.B above.
- | | | |
|---------|----------|---------------------------------------|
| Section | 07 84 13 | Penetration Firestopping |
| Section | 21 05 00 | Basic Fire Suppression Requirements |
| Section | 21 05 29 | Fire Suppression Supports and Anchors |
| Section | 21 05 53 | Fire Suppression Identification |
| Section | 21 13 00 | Fire Protection Systems |

Project Specific Clarifications:

1. Provide housekeeping pads for your own work/equipment.

- M. BID CATEGORY NO. 13 – Plumbing and HVAC
 General Requirements in Paragraph 3.02.B above.
- | | | |
|---------|----------|--|
| Section | 01 51 30 | Temporary Heating, Ventilation and Cooling |
| Section | 07 84 13 | Penetration Firestopping |
| Section | 07 72 13 | Manufactured Curbs and Penetration Assemblies |
| Section | 22 05 00 | Basic Plumbing Requirements |
| Section | 22 05 13 | Motors |
| Section | 22 05 29 | Plumbing Supports and Anchors |
| Section | 22 05 53 | Plumbing Identification |
| Section | 22 07 19 | Plumbing Piping Insulation |
| Section | 22 08 00 | Commissioning of Plumbing |
| Section | 22 09 00 | Instrumentation |
| Section | 22 10 00 | Plumbing Piping |
| Section | 22 10 23 | Natural Gas Piping |
| Section | 22 10 30 | Plumbing Specialties |
| Section | 22 13 29 | Sanitary Sewerage Pumps |
| Section | 22 14 29 | Sump Pumps |
| Section | 22 30 00 | Plumbing Equipment |
| Section | 22 40 00 | Plumbing Fixtures |
| Section | 23 05 00 | Basic HVAC Requirements |
| Section | 23 05 13 | Motors |
| Section | 23 05 29 | HVAC Supports and Anchors |
| Section | 23 05 48 | HVAC Vibration Isolation |
| Section | 23 05 53 | HVAC Identification |
| Section | 23 05 93 | Testing, Adjusting and Balancing |
| Section | 23 07 13 | Ductwork Insulation |
| Section | 23 08 00 | Commissioning of Mechanical |
| Section | 23 09 00 | Controls |
| Section | 23 21 00 | Hydronic Piping |
| Section | 23 31 00 | Ductwork |
| Section | 23 33 00 | Ductwork Accessories |
| Section | 23 34 23 | Power Ventilators |
| Section | 23 36 00 | Air Terminal Units |
| Section | 23 37 00 | Air Inlets and Outlets |
| Section | 23 73 24 | Packaged Makeup Air Units with Energy Recovery |
| Section | 23 74 11 | Packaged Rooftop Air Conditioning Units |

Section	23 82 00	Terminal Heat Transfer Units
Section	23 84 19	Pool Dehumidification Unit
Section	31 20 00	Earth Moving

Project Specific Clarifications:

1. Provide housekeeping pads for your own work/equipment.
2. All spoils generated from underground excavation shall be taken to a designated area on-site.

N. **BID CATEGORY NO. 14 - Electrical**

General Requirements in Paragraph 3.02.B above.

Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	07 84 13	Penetration Firestopping
Section	26 05 00	Basic Electrical Requirements
Section	26 05 13	Wire and Cable
Section	26 05 26	Grounding and Bonding
Section	26 05 27	Supporting Devices
Section	26 05 33	Conduit and Boxes
Section	26 05 53	Electrical Identification
Section	26 08 00	Commissioning of Electrical
Section	26 09 33	Lighting Control Systems
Section	26 22 00	Dry Type Transformers
Section	26 24 13	Switchboards
Section	26 24 16	Panelboards
Section	26 24 19	Motor Control
Section	26 27 26	Wiring Devices
Section	26 28 13	Fuses
Section	26 28 16	Disconnect Switches
Section	26 32 13	Packaged Engine Generator Systems
Section	26 36 00	Transfer Switch
Section	26 43 00	Surge Protection Devices
Section	26 51 00	Lighting
Section	27 05 00	Common Work Results for Communications
Section	27 05 26	Grounding and Bonding for Communication Systems
Section	27 05 28	Pathways for Communication Systems
Section	27 05 43	Underground Ducts and Raceways
Section	27 05 53	Identification for Communication Systems
Section	27 11 00	Communication Equipment Room Fittings
Section	27 11 16	Communication Cabinets, Racks, Frames and Enclosures
Section	27 11 19	Communications Termination Blocks and Patch Panels
Section	27 14 13	Communication Copper Riser Cabling
Section	27 14 23	Communication Optical Fiber Riser Cabling
Section	27 15 00.23	Communication Audio-Video Horizontal Cabling
Section	27 15 13	Communications Copper Horizontal Cabling
Section	27 15 43	Communications Faceplates and Connectors
Section	27 41 16	Integrated Audio Video Systems and Equipment
Section	28 13 00	Electronic Access Control

Section	28 23 00	Video Security
Section	28 31 00	Fire Alarm and Detection System
Section	31 20 00	Earth Moving

Project Specific Clarifications:

1. Provide housekeeping pads for your own work/equipment.
2. All spoils generated from underground excavation shall be taken to a designated area on-site.
3. Provide pathways for electrical and telecom service as shown on the electrical site plans.
4. Provide all site lighting, including field engineering and layout.

END OF SECTION 01 12 00