SECTION 01120 - MULTIPLE CONTRACT SUMMARY

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Description of Contracts.

B. General Coordination and distribution of work between prime contracts.

C. Refer to other Sections and Drawings for further descriptions of work and coordination.

1.2 RELATED SECTIONS

A. Section 01110 - SUMMARY OF WORK

B. Section 01320 - PROGRESS DOCUMENTATION

C. Section 01510 - TEMPORARY UTILITIES AND FACILITIES

1.3 SAFETY - LEAD CONTRACTOR DESIGNATION

The General Contractor shall be designated as the “Lead Contractor” with respect to jobsite safety. Responsibilities and authority of the Contractor shall be as follows:

A. The lead Contractor will be responsible to inspect and maintain safe working conditions on the jobsite.

B. Where the work of one (1) Contractor places another Contractor’s workers in jeopardy, the “Lead Contractor” shall direct and coordinate the effort of the Contractors to ensure that jobsite safety is maintained.

C. The lead Contractor will maintain a “competent person” on site at all times designated to make safety inspections and to serve as the designated representative in charge of safety during inspection by OSHA employees.

D. The lead Contractor may direct another Contractor to make corrections in the event of a safety violation. Failure of another Contractor to take prompt action (within 24 hours following written notice) to correct a safety violation shall empower the lead Contractor to make the necessary corrections and to receive full compensation for such corrections directly from the Owner. The Construction Manager will verify and provide documentation of time and material expended to make corrections. The Owner in turn will recover the amount of the expense from the offending Contractor through deduct Change Order.

E. The lead Contractor’s responsibilities and corresponding authority shall be as defined in the General Conditions of the Contract for Construction.

F. The individual Prime Contractors will maintain primary responsibility for the safety of their workers. The “Lead Contractor” will serve to identify areas of concern and

will endeavor to accomplish required corrections through cooperation of other Prime Contractors. In the event this effort is unsuccessful, the "Lead Contractor" will take action as defined above.

G. The Owner will support the decisions and action taken by the "Lead Contractor" to maintain jobsite safety. The Owner will promptly make payment to the "Lead Contractor" when corrective action has been taken on behalf of an offending Contractor and the "Lead Contractor" has provided appropriate documentation.

H. Lead Safety Contractor shall provide regular and periodic safety inspections and reports by an independent safety consultant. Inspections and reports shall be performed at least once each month.

I. Each contractor shall provide a safety representative who is trained in first aid and CPR.

1.4 DESCRIPTION OF CONTRACTS

A. The work of this project shall be performed under 10 Prime Contracts as defined in this Section.

B. The following is a list of the Prime Contracts to be bid for this project:

Contract 1 ..... General Construction
Contract 2 ..... Electrical Construction

C. The General Conditions and Division 1 - General Requirements shall apply to all Prime Contracts and Subcontracts for this Project. Each Prime Contract Package Description is to include all Work in accordance with the Contract Documents, except Work covered by other Prime Contract Package Descriptions. Collectively, these Prime Construction Contracts include all materials, labor, supervision, transportation, tools, equipment and services for the Project as shown or implied on the drawings and specified herein, or as may be required or necessary for a complete and satisfactory job.

D. If there is a conflict on a specific item with regards to assignment of work to a specific contractor between the Contract Documents and the Prime Contract Package Description as stated herein, the Prime Contract Package Description will govern; however, if an item is covered in the Contract Documents, but not reiterated in the Prime Contract Package Description, the Bidder will be responsible for that item of work.

If an item is covered in two or more contract package descriptions, each Contractor shall include the item at the time of bid. After Contract award, a credit will be solicited for work in question.

E. Each Contractor shall supervise his Work, using his best skills and attention. He shall be solely responsible for construction means, methods, techniques, sequences, dimensions and procedures and/or coordinating all portions of their Work, with all Work to be performed under separate contracts and/or other Bid Packages. Refer to the General Conditions Article 6 on work by Separate Contractors or by owner.

F. All items of work listed under the Prime Contract Package Descriptions shall be provided by the Prime Contractor unless specifically noted as furnished or installed only.

G. All Prime Contractors shall maintain site conduct in accordance with the rules and procedures specified under the General Conditions.

H. All Prime Contractors shall maintain, contribute to and coordinate the schedule as required in the Construction Progress Documentation Specification Section 01320.

I. If a Contractor encounters materials suspected to contain asbestos that contractor should immediately bring this discovery to the attention of the Construction Manager and any work that could disturb the asbestos should be curtailed.

J. Contract Documents include all Drawings, Specifications, Contract Descriptions, etc. for the work of the Project. Each Prime Contractor shall review all Documents in their entirety.

K. The Construction Manager will secure and the Owner will pay for the Building Permit. The Owner shall pay all utility tap-in fees for the permanent structure. All other fees, including utility connection fees for temporary facilities and all other permits are the responsibility of the appropriate Prime Contractors. The Owner will provide builder's risk insurance.

L. The Installing Prime Contractors will provide testing services all work as indicated in the technical specifications and in Quality Control Section 01450 unless specifically indicated in the specifications as the testing being provided by the Owner.

M. Each Prime Contractor shall be responsible to return all laydown, storage and work areas to their original condition except areas designated on the site utilization plan, which shall be the responsibility of the Sitework Contractor. Confirmation of completion of this requirement shall be necessary prior to release of final payment.

N. <u>Definitions</u>:

Coordinate: The term "coordinate" means "to cooperate with related trades to furnish and install all connections between the trades in correct sequence size and location to create a complete system ready for intended use."

Verify: The term "verify" means "to measure, investigate, review, test, check the accuracy or correctness of and prove by demonstration, evidence, or testimony the location, size, dimension and condition of an item."

Furnish: The term "furnish" is used to mean "supply and deliver to the project site, ready for unloading, unpacking, assembly, installation and

similar operations."

Install: The term "install" is used to describe operations at the project site including the actual "unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, performing, coordinating with other trades, protecting, cleaning, and similar activities".

Provide: The term "provide" means "to furnish and install, complete and ready for the intended use."

O. This is a phased project. Multiple trips to the site will be required to complete this project.

P. The following items are to be included in each Prime Contractor's Scope of Work:

1. Coordinate all work with other Prime Contractors.

2. Coordinate work with other Contractors contracted separately by the Owner.

3. Submit shop drawings, samples, schedules, data, manuals, as-built drawings, etc., required by the Contract Documents. Update, on a weekly basis, a record set of drawings in the Construction Manager's field office. A final set of drawings of this Contractor's work shall be submitted to the Construction Manager upon the completion of the work.

4. Observe and comply with at all times all Federal and State laws and regulations, and local bylaws, ordinances and regulations in any manner affecting the conduct of the work or applying to employees on the project, as well as all safety precautions and orders or decrees which have been promulgated or enacted, or which may be promulgated or enacted, by legal bodies or tribunals having authority or jurisdiction over the work, materials, equipment, employees, such observance and compliance shall be solely and without qualification the responsibility of this Trades Contractor without reliance on superintendence or direction by the Owner or their Representative. The duty of enforcement of all of said laws, ordinances, regulations, orders or decrees lies with the body of agency promulgating them, not with the Owner or their Representatives.

5. Perform all work in accordance with the project schedule milestones.

6. Provide protection of existing structure, finishes and landscaping from damage resulting from the work of this contract. Repair any damage promptly to the satisfaction of the Owner.

7. The General Contractor shall provide all engineering and layout for his work. In addition, the General Contractor shall provide and maintain throughout the project all building corners and column centerlines. The General Contractor shall provide floor control lines for each floor consisting of at least two perpendicular control lines per area and finish

floor elevations. The General Contractor will provide layout for all walls and partitions. Each Trade Contractor shall be responsible for all other survey, engineering, layout, etc. required to execute their work. Each Trades Contractor, at his own expense is to provide all stakes, templates and labor required in laying out their work and is responsible for proper execution of the work to the lines and grades shown on the drawings or as indicated by the Architect/Engineer.

8. Provide all dewatering required to perform the work of their contract.

9. Provide all scaffolding, hoisting, shoring, barricades, ramps, etc., as necessary to perform the work of this contract.

10. Provide safety and protection of persons and property per OSHA, local and state requirements. Provide maintenance of all safety precautions throughout the work of this Contract. Each Contractor is to return the safety cables to an OSHA approved condition without slack. Provide protection at floor and roof penetrations not shown on the drawings, but required for work of this Contract. Provide all safety signage required by OSHA for the work of this Contract. Furnish Company Safety Plan, Hazard Communication Plan, MSDS information and other OSHA required documents to the “Lead Contractor” prior to the start of work.

11. Promptly address the recommendations made by the “Lead Contractor” for jobsite safety.

12. If the applicable Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction require any work to specifically be tested, inspected, or approved by someone other than this Trades Contractor, the Contractor will give the Owner and their Representative timely notice of readiness. The Contractor will then furnish the Owner the required certificates of inspection, testing or approval.

13. Inspection, tests, or approvals by the Owner or their Representative shall not relieve this Trades Contractor from his obligation to perform the work in accordance with the requirements of the Contract Documents.

14. Provide all fees, Federal, State and Local taxes, special permits, inspections, etc. as required to perform the work of this Contract unless item is specifically identified as being provided by the Owner.

15. When working in existing areas identified as having potential lead paint, caution should be used to protect workers, Owner’s personnel and students. Utilize protective measures as required by law.

16. All submittals, shop drawings and product samples must be received no later than forty five (45) days following the date of Notice to Proceed. Those submittals for critical schedule activities must be submitted and approved in time to make required deliveries. Contractors are responsible to make material deliveries to accomplish phase completions.

17. No illegal drugs, guns, tobacco products or alcoholic beverages will be allowed on this project or Community College of Philadelphia property.

18. The Owner and their Representatives will at all times have access to the work. In addition, authorized representatives and agents of any participating State, County or Local Municipal representative shall be permitted to inspect all work, materials, and other relevant data and records. This Trades Contractor will provide proper facilities for such access and observation of the work and also for any inspection or testing thereof.

19. Verify existing conditions prior to start of work and notify Construction Manager of any discrepancies.

20. Each Contractor shall provide sealants in accordance with Joint Sealant specification section 07920 in any and all conditions where materials installed by the Contractor abut dissimilar materials (vertical and horizontal joints). Each contractor is also responsible for sealing penetrations required for the scope of that trade.

21. All Contractors are responsible to clean their construction vehicle's wheels with the intent of keeping all mud off paved surfaces.

22. Each Prime Contractor is responsible for general clean-up and trash removal resulting from the work or employees of that contract. The General Contractor shall provide construction dumpster(s) as required for the purpose of trash removal for all Prime Contractors. Removal of demolition debris from site will be by the Contractor performing the demolition. Hazardous materials shall not be placed in the dumpster, but should be removed from site by Prime Contractor responsible for material. The General Contractor will also periodically organize a project clean up by all Contractors. Those Contractors on site shall provide labor to assist in this cleanup. General Contractor shall provide a separate line item on the schedule of values for this laborer to broom sweep these areas.

23. All Contractors are responsible to provide dust, toxic fume and noise control for their own work.

24. Cutting and Patching:

    a. Exposed finished materials, structural elements, watertight assemblies and systems.

        i. Newly Installed Materials: A Contractor, requiring the cutting of openings in new work shall have such openings cut and patched by the trade which installed the work and such cutting and patching shall be at the expense of the Contractor, requiring the opening, unless specified otherwise.

        ii. Existing Materials: A Contractor requiring the cutting of openings in existing materials shall have such openings cut

and patched by a contractor specializing in that trade and the cost shall be at the expense of the Contractor requiring the opening.

iii. Approval to do such cutting and patching shall be received from the architect prior to proceeding with the work and shall include installation of such reinforcement of the work as the Architect may Direct.

b. Other locations: Cutting and sealing of penetrations in other locations including firestopping shall be by the Contractor requiring the cutting of such openings.

c. All blocking, bracing, reinforcement or structural enhancement required due to cutting and patching shall be provided at no additional cost to the owner. All patching work shall match adjacent existing work unless otherwise noted.

25. Provide Steel and Aluminum product certifications as required under the Steel Products Procurement and Trade Practice Acts otherwise known collectively as the “Buy American” requirements of all Public Works Construction Contracts funded in part by the State of Pennsylvania.

26. **Coordination Drawings:** Provide where deemed necessary.

PART II - SEPARATE CONTRACT DESCRIPTIONS

1.0 CONTRACT No. 1 - GENERAL CONSTRUCTION

A. The work of this Prime Contract Package Description includes, but is not limited to, the Work detailed by the following Specification Sections and as shown or implied and indicated on the Drawings and as described in the narrative Contract Description. The work is not restricted by division of Drawings or Specification. Unless otherwise specifically noted, all work to be performed shall consist of providing all labor, materials, equipment and whatever is necessary to complete the work in accordance with the Specifications and applicable Codes. The use of the wording "General Trades Contractor" shall mean the same as the "General Contractor".

B. <u>SPECIFICATION SECTIONS</u>:

INTRODUCTORY INFORMATION
All Sections

BIDDING REQUIREMENTS
All Sections

CONTRACTING REQUIREMENTS
All Sections

DIVISION 1 – GENERAL REQUIREMENTS
All Sections

DIVISION 2 through and including Division 33 (with the exception of Division 26 Electrical)
All Sections

C. Narrative Description of Contract No. 1 - GENERAL CONSTRUCTION. The work of this Contract includes, but shall not be limited to the following items:

1. Provide all fees, Federal, State and Local taxes, inspections, as required to perform the work of this contract unless identified as being provided by owner. The building permit will be paid for by the Owner..

2. Provide temporary protection at all openings, as required by OSHA that is not identified as being provided by another Prime Contractor.

3. Provide temporary toilet facilities as per specification section 01510.

4. Perform all final cleaning except work specified to be by another trade.

5. Provide construction identification sign per specification section 01510.

6. Salvage and turn over to the Owner any items identified by the Owner to be salvaged.

7. The General Contractor shall perform select exterior demolition with the exception of work assigned to the Electrical Contractor. Electrical demolition of existing light fixtures will be provided by the Electrical Contractor.

8. Provide all earthwork operations including excavation and backfill for Electrical Contractor's work. (see electrical drawings for underground electrical work and site poles) Provide special backfill as required for electrical / utility work.

9. Provide all utility work, with the exception of electrical work assigned to the Electrical Contractor.

10. Provide all sitework with the exception of work assigned to the Electrical Contractor

11. Provide all concrete work including light pole bases for Electrical Contractor.

12. Provide painting of all site items as scheduled.

13. This Trade Contractor shall include an additional 8 man-hours and 2 gallons of paint to be used as directed by the Construction Manager for final touch-up. This Trades Contractor shall provide a separate line item for this item on the schedule of values. This item will not be used by the Painting Trades Contractor for normal touch-up of this Trade Contractor's work.

14. Provide all incidental caulking required for this contract.

15. Provide for protection of all finished installations under this contract until acceptance by the owner.

16. Provide all Division 12 specialty items.

2.0 CONTRACT NO. 2 - ELECTRICAL CONSTRUCTION

A. The work of this Prime Contract Package Description includes, but is not limited to, the Work detailed by the following Specification Sections and as shown or implied and indicated on the Drawings and as described in the narrative Contract Description. The work is not restricted by the division of Drawings or Specification. Unless otherwise specifically noted, all work to be performed shall consist of providing all labor, materials, equipment and whatever is necessary to complete the work in accordance with the Specifications and applicable Codes.

B. SPECIFICATION SECTIONS:

INTRODUCTORY INFORMATION
All Sections

BIDDING REQUIREMENTS
All Sections

CONTRACTING REQUIREMENTS
All Sections

DIVISION 1 – GENERAL REQUIREMENTS
All Sections

DIVISION 26 – Electrical
All Sections

C. Narrative Description of Contract No.2 – ELECTRICAL CONSTRUCTION: The working of this Contract includes, but shall not be limited to the following items:

General Requirements

1. Participate in the coordination drawing process.

2. Provide de-watering of excavations for work of this Contract.

3. Maintain operation of all existing electrical systems in the existing facility during construction and system interfacing.

4. Provide Operation and Maintenance instruction manuals and specified training to the Owner.

5. Verify existing services prior to start of work in existing facility and notify the Construction Manager of any discrepancies.

6. General Contractor to provide all miscellaneous metal, including loose lintels, required for the existing building as shown or specified on the Architectural or Structural Drawings. The trade requiring a lintel, which is

not clearly indicated on either the Architectural or Structural drawings, will furnish those lintels required to install his work.

7. Contractor needing the opening not specifically shown on the architectural or structural drawings is responsible for demolition and patching required for Mechanical & Electrical openings.

8. Provide start up and training as required by the Contract Documents.

9. Provide painting for "touch up" required to restore "factory finished" equipment and material to its original condition.

Project Requirements

1. Provide all electrical work including but not limited to testing, conduit, wiring and cable, boxes, wiring devices, enclosures, equipment final connections, support devices, identification, disconnect switches, primary and secondary grounding, panel boards, lighting fixtures, final electrical, connections, hangers, supports (unless specifically designated by the General Contractor), blocking, wall sleeves, flashing, etc. as shown and/or specified.

2. Provide equipment and wiring necessary for installation of the work of this contract.

3. It is the intent of the Contract for the Electrical Contractor to provide a complete system for all systems above including conduit, wire, fiber optics, patch panels, connectors, terminations, testing, equipment, brackets, hardware, layout, check out, training, etc.

4. Provide identification of equipment as required.

5. Provide all cutting, patching as necessary to install the work of this Contract.

6. General Contractor shall provide excavation and backfill for electrical work. Coordinate the electrical work with his construction activities.

7. Provide firesafing at all locations that are required to maintain a fire rating at floor and wall penetrations made as a result of the work of this Contract.

8. Furnish any access panels, which are required for access to the work of this Contract. Coordinate openings with General Contractor.

9. Verify existing services prior to start of work in existing facilities and notify the Construction Manager of any discrepancies.

10. The Electrical Contractor shall furnish and install the conduit and wire for all systems.

11. Provide testing and documentation of test results for electrical systems as per the Contract Documents.

12. The disconnection and/or re-connection of existing equipment shall be by the Electrical Contractor if applicable.

13. Provide selective demolition of existing electrical systems, fixtures and accessories, including removal of demolition debris off site. Include demolition of site electrical items as indicated on Contract Drawings.

14. Provide patching and repairs to existing slabs, floors and walls as required as a result of demolition by this contract including finishes.

15. Maintain and restore all circuits including fire alarm, security, CCTV, CATV, telephone, intercom, clock, sound, etc to the existing buildings, if interrupted by demolition.

END OF SECTION