

## MEASUREMENT AND PAYMENT

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Explanation and Definitions
- B. Measurement
- C. Payment
- D. Schedule of Values
- E. Application for Payment

#### 1.2 EXPLANATION AND DEFINITIONS

- A. The following explanation of the Measurement and Payment for the bid form items is made for information and guidance. The omission of reference to any item in this description shall not, however, alter the intent of the bid form or relieve the CONTRACTOR of the necessity of furnishing such as a part of the Contract.

#### 1.3 MEASUREMENT

- A. The quantities set forth in the bid form are approximate and are given to establish a uniform basis for the comparison of bids. The OWNER reserves the right to increase or decrease the quantity of any class or portion of the work during the progress of construction in accord with the terms of the Contract.
- B. All measurements for payment shall be measured/verified by The OWNER'S REPRESENTATIVE.

#### 1.4 PAYMENT

- A. Payment shall be made for the items listed on the Bid Form on the basis of the work actually performed and completed, such work including but not limited to, the furnishing and mobilization of all necessary labor, materials, equipment, transportation, clean up, restoration of disturbed areas, and all other appurtenances to complete the construction and installation of the work as shown on the drawings and described in the specifications.
- B. Payment shall fully reimburse the CONTRACTOR for cooperating with and meeting all the requirements of the State of Florida Trench Safety Act (90-96).

- C. Unit prices are used as a means of computing the final figures for bid and Contract purposes, for periodic payments for work performed, for determining value of additions or deletions and wherever else reasonable.

## 1.5 SCHEDULE OF VALUES

- A. Approval of Schedule: Submit for approval a preliminary schedule of values, in duplicate, for all of the Work. Prepare preliminary schedule in accordance with the General Conditions. Submit preliminary schedule of values within 10 calendar days after the Effective Date of the Agreement. Submit final schedule of values in accordance with the General Conditions.
- B. Refer to the Contract Documents for additional requirements.

## 1.6 APPLICATION FOR PAYMENT

- A. Required Copies: Submit three (3) copies of each application on the "Estimate and Requisition for Payment" form CMO:013. Present required information in typewritten form or on electronic media printout.
- B. Prepare the Application for Payment in accordance with the Contract Documents. Execute certification by signature of authorized officer, with original signature on each copy of application for payment.
- C. Use data from approved Schedule of Values.
- D. Stored Materials: When payment for materials stored is permitted, submit a separate Schedule for Materials Stored showing line item, description, previous value received, value incorporated into the Work and present value.
- E. Change Orders: List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original item of work.
- F. Final Payment: Prepare Application for Final Payment as required in the Contract Documents.
- G. Submit an updated construction schedule for each Application for Payment.

## PART 2 EXECUTION

### 2.1 MEASUREMENT AND PAYMENT

- A. Payment shall be made on the basis of work actually performed completing each item in the Bid, such work including, but not limited to:
  - 1. the furnishing and mobilization of all necessary labor, materials, equipment, and transportation

2. test pits or other methods required to locate existing underground utilities and/or structures
  3. Maintenance of Traffic
  4. erosion and sedimentation control
  5. excavation, backfilling, and compaction
  6. sheeting, shoring and bracing
  7. protection of existing structures, utilities, and customer service lines
  8. de-watering
  9. installation of Water Main and appurtenances
  10. grouting of existing AC Water Main (in accordance with all state, county and federal rules and safety guidelines)
  11. pressure testing and leakage testing
  12. bacteriological sampling and clearing
  13. reconstruction and regrading of pavement areas, road shoulders, and ditches or swales disturbed by construction activity
  14. finish grading and disposal of surplus material, unsuitable material and all debris
  15. cleanup and restorations
  16. All other appurtenances to complete the construction and installation of the work to the configuration and extent as shown on the drawings and described in the specifications.
  17. All work, materials & Installation are to be in accordance with the Technical Specifications and Project Plans
- B. Retainage will be withheld from the final payment until written acceptance by the Owners Representative for all final clean up, restoration and Record Drawings / As-Builts.
- C. LUMP SUM ITEMS: CONTRACTOR shall be solely responsible for determining the quantities of each lump sum pay item necessary to complete the work as required by the Contract Documents. When lump sum items are broken into components, the sum of the components shall be the total Contract Price for the work. The lump sum schedule of values stated on the Bid Form shall constitute full compensation for each pay item completed in accordance with the Plans and Technical Specifications. No other payments will be made to the CONTRACTOR except as specifically authorized by change order.
- D. UNIT PRICE ITEMS: Payment for unit price bid items shall be made on the basis of the work actually performed and completed, as verified by the OWNER or OWNER'S REPRESENTATIVE.

## 2.2 PAYMENT ITEMS:

GC-1 Mobilization/Demobilization and Environmental Protection: Payment for this item will be made at the contract lump sum price. This item shall include full compensation for mobilization, demobilization, surveying, layout, As-built Record Drawings, disposal of materials, clean up, all restoration and other miscellaneous items for a complete installation. This item also includes all labor, equipment, and materials necessary to prevent environmental damage to the soil, water, and air in conformance with all local, state, and federal laws. Examples include control of stormwater, erodible soils, noise, dust, pollutants, trash, waste, pumping discharge, and any other substance or activity that may adversely impact the environment. This

cost includes permitting fees if necessary, monitoring, maintenance, and restoration of the site. The Record Drawings shall be in accordance with the Plans, Technical Specifications and other Contract Documents. The CONTRACTOR will be paid 40% of this item upon completion of mobilization and 10% upon demobilization; the remainder will be paid on a prorated basis equally over the remaining scheduled construction duration.

GC-2 Bonds, Insurance, Permits: Payment for this item will be made at the contract lump sum price. This item shall include full compensation for bonds, insurance, permits, and any other project administration and management activity in accordance with the details in the Plans, Technical Specifications and other Contract Documents.

C-1 Concrete Demolition: Payment for concrete demolition (sawcut and remove concrete) will be made at the contract unit price for cubic yards of concrete sawcut and removed. This item includes all necessary labor, equipment and materials to sawcut and remove concrete in accordance with the details in the Plans and Technical Specifications.

C-2 Miscellaneous Demolition: Payment for miscellaneous demolition (removal of existing inlet and miscellaneous demolitions) will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to remove the existing inlet and other miscellaneous demolition in accordance with the details in the Plans and Technical Specifications.

C-3 Site Preparation and grading: Payment for site preparation and grading will be made at the contract lump sum price. This item includes site preparation for break room extension, modifications to PVC waterline and hose bib, and subgrade below foundations and slabs. This item includes all necessary labor, equipment and materials to prepare and grade the site in accordance with the details in the Plans and Technical Specifications.

C-4 Scale house trailer: Payment for the work related to the scale house trailer as described here will be made at the contract lump sum price. This item includes removal of existing trailer, furnishing and installation of new trailer, reinstallation of existing stairs, plumbing connections, foundation modifications, if necessary, and tie downs. This item includes all necessary engineering, labor, equipment and materials to remove the existing trailer and to furnish and install the new trailer, in accordance with the details in the Plans and Technical Specifications.

C-5 Reinforced Concrete: Payment for reinforced concrete will be made at the contract unit price for cubic yards of reinforced concrete installed. This item includes foundations, wall, pedestals, slabs, and buttresses. Work includes reinforcement and epoxy installed dowels. This item includes all necessary labor, equipment and materials to install reinforced concrete in accordance with the details in the Plans and Technical Specifications.

C-6 Tipping floor inlet: Payment for removing and replacing existing tipping floor inlet will be made at the contract unit price for each inlet removed and replaced. This item includes grate, frame, connection to existing outfall pipe and flowable fill.

This item includes all necessary labor, equipment and materials to install a tipping floor inlet in accordance with the details in the Plans and Technical Specifications.

C-7 PVC waterstop: Payment for PVC waterstop will be made at the contract unit price for linear feet of waterstop installed. This item includes all necessary labor, equipment and materials to install PVC waterstop at the base of the new sections of concrete wall along Column Line A, in accordance with the details in the Plans and Technical Specifications.

C-8 Hydrophillic waterstop: Payment for hydrophillic waterstop will be made at the contract unit price for linear feet of waterstop installed. This item includes all necessary labor, equipment and materials to install hydrophillic waterstop between new and existing concrete of the new sections of wall along Column Line A and between the new inlet and tipping floor slab, in accordance with the details in the Plans and Technical Specifications.

C-9 Fluid applied membrane waterproofing: Payment for fluid applied membrane waterproofing will be made at the contract unit price for square feet of surface waterproofed. This item includes all necessary labor, equipment and materials to waterproof the outside face of new concrete along Column Line A, in accordance with the details in the Plans and Technical Specifications.

C-10 Chain Link Fence: Payment for chain link fence will be made at the contract unit price for linear feet of fence removed and replaced. This item includes all necessary labor, equipment and materials to remove and replace a 6 ft galvanized chain link fence in accordance with the details in the Plans and Technical Specifications.

C-11 Steel Pipe Bollards: Payment for steel pipe bollards will be made at the contract unit price for each bollard removed, replaced, and/or installed. This item includes all necessary labor, equipment and materials to install bollards in accordance with the details in the Plans and Technical Specifications.

C-12 Steel Closure Plates over Concrete Push Walls: Payment for steel closure plates will be made at the contract unit price for linear feet installed. This item includes the steel closure plates over the concrete push walls, and connections to push wall and building columns in accordance with the details in the Plans and Technical Specifications.

C-13 Post Installed Anchors (1/2" and 3/4"): Payment for post installed anchors will be made at the contract unit price for each anchor installed. This item includes all necessary labor, equipment and materials to furnish and install post installed 1/2" and 3/4" anchor bolts for the canopy columns bearing on the existing retaining wall and low wall at the truck loading bay in accordance with the details in the Plans and Technical Specifications.

C-14 Anchor bolts (7/8" to 1-1/4"): Payment for anchor bolts will be made at the contract unit price for each anchor bolt installed. This item includes all necessary labor, equipment and materials to furnish and install 7/8" and 1-1/4" anchor

bolts, nuts, washers, and plate washers to attach the pre-engineered metal building to the concrete foundation in accordance with the details in the Plans and Technical Specifications.

C-15 Pre-Engineered Metal Building: Payment for the work related to the furnishing and installation of a pre-engineered metal building will be made at the contract lump sum price. The work includes, but is not limited to, required primary and secondary framing, structure bracing, metal building roofing system, gutters, downspouts, perimeter soffit, exterior metal wall panels, soffit framing and soffit panels, swinging personnel hollow metal frames, hollow metal doors, finish hardware for personnel hollow metal doors, finish hardware for doors and frames, interior linear metal wall panels at roof and wall panels, and all other necessary engineering, labor, equipment, materials, insurance, scaffolding, storage, etc. to provide a pre-engineered metal building with attached break room/office in accordance with the details in the Plans and Technical Specifications.

C-16 Spall Repairs: Payment for spall repairs will be made at the contract unit price for square feet of concrete push walls repaired. This item includes all necessary labor, equipment and materials to repair spalling in the existing concrete push walls, in accordance with the details in the Plans and Technical Specifications.

C-17 Existing Steel Hopper Frames: Payment for the work related to the existing steel hopper frames will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to clean and coat frames, and reattach to building and walls, in accordance with the details in the Plans and Technical Specifications.

C-18 Remove and replace hopper frame brushes: Payment to remove and replace hopper frame brushes will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to remove and replace the brushes in accordance with the details in the Plans and Technical Specifications.

C-19 Steel coatings: Payment for steel coatings will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials related to steel coatings for the pre-engineered metal building and the closure plates, in accordance with the details in the Plans and Technical Specifications.

C-20 Concrete coatings: Payment for concrete coatings will be made at the contract lump sum price. This item includes coating for exterior of push walls and buttresses, and all other necessary labor, equipment and materials in accordance with the details in the Plans and Technical Specifications.

C-21 Breakaway Rubber Overhead Roll Up Door: Payment for breakaway rubber overhead roll up door will be made at the contract unit price for the door installed at the tipping floor entrance. This item includes all necessary labor, equipment and materials to furnish and install a breakaway rubber overhead roll up door at the tipping floor entrance in accordance with the details in the Plans and Technical Specifications.

C-22 Breakaway Rubber Overhead Roll Up Door with Sensor for Automatic Opening:

Payment for breakaway rubber overhead roll up door will be made at the contract unit price for each door installed at the truck loading bays entrance. This item includes all necessary labor, equipment and materials to furnish and install breakaway rubber overhead roll up doors at the truck loading bay in accordance with the details in the Plans and Technical Specifications.

M-1 Exhaust Fans: Payment for exhaust fans will be made at the contract unit price for each sidewall centrifugal exhaust fan installed. This item includes all necessary labor, equipment and materials to furnish and install exhaust fans in accordance with the details in the Plans and Technical Specifications.

M-2 Louvers: Payment for louvers will be made at the contract unit price for each louver installed. This item includes all necessary labor, equipment and materials to furnish and install louvers in accordance with the details in the Plans and Technical Specifications.

M-3 A/C Unit for Breakroom: Payment for A/C unit will be made at the contract unit price for each unit installed. This item includes all necessary labor, equipment and materials to furnish and install the A/C unit for breakroom in accordance with the details in the Plans and Technical Specifications.

E-1 Pre-Engineered Building Electrical: Payment for electrical system related to the pre-engineered metal building will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to provide the electrical system in accordance with the details in the Plans and Technical Specifications.

E-2 Scale House Trailer Electrical: Payment for electrical system related to the scale house trailer will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to provide the electrical system in accordance with the details in the Plans and Technical Specifications.

E-3 16 Channel CCTV System: Payment for the CCTV system related to the scale house trailer will be made at the contract lump sum price. This item includes all necessary labor, equipment and materials to provide a 16 channel CCTV system in accordance with the details in the Plans and Technical Specifications.

ALT-1 Tipping Floor Topping (removal and replacement): Payment for the tipping floor topping will be made at the contract unit price for square feet of tipping floor topping removed and replaced. This item includes all necessary labor, equipment and materials to remove, repair and replace the tipping floor topping, in accordance with the details in the Plans and Technical Specifications.

END OF SECTION