

TELLUS WAREHOUSE EXPANSION PROJECT**EARLY CIVIL INSTALLATION - DETAILED SCOPE OF WORK****September 14th, 2023****SUMMARY**

Work to be performed under this Contract is shown on the drawings and specifications provided and as described herein. In general, the Work includes, but is not limited to, supervision, shop and field labor, materials, equipment, safety management, transportation, tools, consumables, insurances, and other services required to perform clearing and grubbing, soil removal and back-fill (demucking), erosion and sediment control, early utilities, and paving, for the Tellus Warehouse Expansion project in Belle Glade, Florida.

The purpose of this Contract when completed is to perform all civil/sitework related activities required to allow the Tellus facility to continue distribution/receiving operations in a temporary configuration while the new Warehouse is constructed. Some construction activities may occur prior to the completion of this Contract.

WORK INCLUDED BY CONTRACTOR:

Note: The scope description herein shall take precedence over any other scope descriptions on drawings or specifications.

I. Scope of Work

In general, drawings CV-DWG-0100 (Existing Conditions Plan) and CV-DWG-0200 (Site Plan, Phase 1) serve as primary reference for this early scope of work. All work shall be in accordance with the general notes on Drawing CV-DWG-0001 (General Notes), the Construction Best Management Practices (CBMPP), and the drawings and specifications.

- A. Furnish and install all materials to reroute existing pretreatment basin (Basin 9) to allow for paving expansion. Reference CV-DWG-0300 (Grading & Drainage Plan, Phase 1).
 - a. Northern portion of existing basin will be filled to allow for paving above with specified engineered fill material.
 - b. New manhole Structure A1 will be installed as noted on plans. Existing 15" RCP line will be tied into upstream new structure. New 15" RCP piping will terminate at new flared end Structure A0.
- B. Furnish and install Phase 1 ground surfaces, including asphalt and concrete paving.
 - a. West asphalt paving – A minimum of 2' of muck below final top of pavement elevation must be removed (demucking) if present. Reference "Asphalt Pavement – Heavy Duty" detail on CV-DET-0200 for new paving cross section. Isomer believes

- geogrid will be beneficial as well, contractor to provide suggest geogrid addition in bid.
- b. East asphalt paving – A minimum of 2' of muck below final top of pavement elevation must be removed (demucking) if present. Muck is expected in this area. Reference "Asphalt Pavement – Heavy Duty" detail on CV-DET-0200 (Site Details) for new paving cross section. Isomer believes geogrid will be beneficial as well, contractor to provide suggest geogrid addition in bid.
 - c. Temporary Loading bay concrete - A minimum of 2' of muck below final top of pavement elevation must be removed (demucking) if present. Reference "Concrete Pavement" detail on CV-DET-0200 (Site Details) for new paving cross section. Isomer believes geogrid will be beneficial as well, contractor to provide suggest geogrid addition in bid. Include supply and install of (10) bollards, final location to be determined by Tellus.
- C. Furnish and install all materials to relocate existing man bridge across Basin 9.
- a. Supply and installation of concrete pads (match existing) and relocation of existing bridge structure in kind.
- D. Furnish and install all materials to reroute and tie in portion of existing underground fire water line. Reference drawing CV-DWG-0400 (Fire Water Plan – Reroute).
- a. Existing truck access will need to be maintained throughout the process. Tellus will work with contractor to sequence trucking activities to allow for necessary construction activities, but it is expected that contractor will need to make for temporary allowances (steel plate trench covers, etc.) for periodic traffic.
 - b. Contractor will be responsible for planning and executing all activities required to make tie ins, including isolation of line.
- E. Relocation of gate, keypad and light pole
- a. Remove existing gate and keypad from current location on east side of road and reinstall on west side of road in kind. Gate and keypad should be handled in a manner to allow for reuse. Electrical work associated with the relocation (de-terminating existing wiring, pulling back and coiling wires, re-terminating) will be by Others. Contractor is expected to work cooperatively as required with Others.
- F. Installation of Soil Erosion and Sediment Control measures which includes, and is not limited to:
- a. All required soil erosion and sediment control measurements as indicated on the drawings and described in the specifications and other measures to maintain compliance with the Construction Best Management Practices (CBMPP). Reference drawing CV-DWG-0500 (SWPPP Notes) and -0501 (SWPPP Plan – Phase 1).
 - b. Erosion and Sediment control measures shall include, but not be limited to, furnish, installation and maintenance/inspection of:
 - i. silt fencing
 - ii. dust control
 - iii. seeding, mulching, and erosion control blankets
 - iv. outlet and inlet protection
 - v. temporary drainage piping, if required.
 - vi. Concrete washout

- vii. All other measures to maintain compliance with the CBMPPP.
- G. All work shall be performed in accordance with the geotechnical information included in the bid package. Note that the original Terracon report serves as basis for design; the follow up investigation by Ardaman was primarily performed to understand extents of demucked areas on the current site.
- H. Dewatering is not anticipated for this Scope of Work. Contractor is to review all technical information included in the package and confirm understanding.
- I. Contractor is responsible for locating utilities and other underground objects and obstructions prior to excavation. Contractor to provide notice to location services, "Call Before You Dig", prior to beginning of any excavations.
- J. Maintain dust control measures and maintain the site free of dusting into the atmosphere during the work of this Contract.
- K. Excavated muck soils shall be disposed off-site.

II. **General Considerations**

- A. Existing Environment – The Tellus facility is an operating manufacturing facility and will remain in operation through the duration of this Scope of Work. Tellus and the contractor will work together to ensure manufacturing can continue uninterrupted in conjunction with construction activities.
- B. Sequence of the Work
 - a. The Contractor shall provide an outline of the Work Execution Plan including a high-level schedule and sequence as part of the bid. The sequence of work shall consider the milestone schedule provided in this package.
 - b. A detailed schedule shall be completed by the Contractor and provided to Tellus no more than two weeks after award. The Contractor is required to coordinate the Work with other Contractors.
- C. Contractor upon mobilization shall coordinate with Tellus to identify and verify existing benchmarks. Contractor will establish from these existing benchmarks, the lines, grades and elevations necessary to perform the Work under this Contract. Should any discrepancies be encountered that would prevent the Contractor from performing the Work per the Drawings and Specifications, such discrepancies shall be immediately reported in writing to Tellus.
- D. Plant road traffic shall not be blocked. The project laydown area shall be coordinated in advance with Tellus. Lay-down areas may be limited.
- E. Existing Conditions and Maintenance of Site
 - a. The scope of Work for this contract shall include the maintenance and repair of any damage, including foundations, slabs, site features etc.
 - b. The egress to and from the construction area for all Work included in this contract shall be via the Tellus main plant entrance.

- c. The Contractor shall conduct Work for this contract in such a manner as to maintain the existing operating areas in a clean condition.
- F. Requirements to Complete the Work – Mechanical Completion
 - a. When referring to the plant, unit or facility, means that Contractor has provided erection in accordance with Drawings, Specifications and Applicable codes.
 - b. Punch list items and final cleanup must be completed before the installation is complete. However, at the time of mechanical completion of a unit, a system or an area, this work may not need to be completed, but should be in a sufficiently advanced state of completion to not unreasonably interfere with subsequent activities.
 - c. A form for Notification and Acceptance of Mechanical Completion shall be developed jointly by the Contractor and Tellus and shall be used for parts of the installation and/or for final acceptance.
- G. Completion of Construction
 - a. Construction Completion means that Contractor has provided installation in accordance with Drawings, Specifications, and other items referred to in the definition of “Mechanical Completion”, plus items referred to on a punch list and final cleanup.
- H. Schedule – Anticipated dates are listed below. Contractor is to verify these dates and submit schedule as part of proposal.
 - Mobilization – October 4 (TBD)
 - Completion of Work – December 6

WORK EXCLUDED or PROVIDED BY OTHERS:

1. Third-Party Testing and Special Inspections
2. Establishing survey control monuments
3. Foundations unless specifically noted
4. Demolition unless specifically noted

END OF DOCUMENT