

SECTION 01012

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 DESCRIPTION

- A. This Section includes administrative and procedural requirements for determining payment for Work completed and ready for payment under the Unit Price Contract where the Unit Price Bid Form is utilized in the Applications for Payment.

1.02 RELATED SECTIONS

- A. Section 00300 – Bid Form
- B. Section 01152 – Applications for Payment
- C. Section 01370 – Schedule of Values

1.03 REFERENCES

- A. Manual of Uniform Traffic Control Devices (MUTCD)
- B. FDOT Standard Specification for Road and Bridge Construction (Standard Specifications)
- C. FDOT Design Standards for Design, Construction, Maintenance and Utility Operations in the State Highway System (Standard Indexes)
- D. Broward County Public Works and Transportation Department, Highway Construction and Engineering Division Minimum Standards

1.04 GENERAL REQUIREMENTS

- A. Prices shall include all costs required for the completed, in-place construction of the specified unit of Work. This may include but not be limited to, materials and delivery; cost of installation; incidentals; labor including social security, insurance, and other required fringe benefits; workman's compensation insurance; bond premiums; rental of equipment and machinery; taxes; testing; surveys; incidental expenses; and supervision.
- B. Installation, acceptance, and payment shall be in accordance with the References.
- C. The Owner reserves the right to reject the Contractor's measurement of completed Work that involves use of established unit prices, and to have this Work measured by an independent surveyor acceptable to the Contractor at the Owner's expense.
- D. Contract Sum adjustments will be by Change Order on basis of net accumulative change for each unit price category.

1. Except as otherwise specified, unit prices shall apply to both deductive and additive variations of quantities.
 2. Lump sum and unit prices in the Agreement shall remain in effect until date of final completion of the entire Work.
- E. Partial payment for material and equipment properly stored and protected will be made in accordance with requirements of the Contract.
- F. Abbreviations:
1. Acre – AC
 2. Allowance – AL
 3. Cubic Yard – CY
 4. Each – EA
 5. Furnish and Install – F&I
 6. Gallons – GA
 7. Gross Mile – GM
 8. Linear Feet – LF
 9. Lump Sum – LS
 10. Million Gallons – MG
 11. Net Mile – NM
 12. Square Foot – SF
 13. Square Yard – SY
 14. Ton – TN

1.05 MEASUREMENT AND PAYMENT

- A. Payment shall constitute full compensation and will be made as indicated in the Contract.
- B. The quantity approved for payment shall be either:
1. Percentage of the Lump Sum Price - A percentage of the Lump Sum Price equivalent to the percentage of the project completion as determined by the Engineer as of the date of the pay request submitted. The percent completion of the project shall be based on the percent of the total project actually constructed and not on the percent of the Contract price completed.
 2. Measured Quantities - The actual quantities in-place and accepted as measured by the Engineer on the date of the pay request submitted in the units specified in the Bid form or in the approved Schedule of Values.

- C. Items measured by linear foot such as pipes, culverts, curb, guardrails, and underdrains that are shown on the Drawings and on the Bid Form are measured parallel with the base or foundations upon which they are placed. Contractor shall be paid based on plan view measurements installed for these types of items regardless of vertical deflections or other changes in depth that may require additional materials.

1.06 PROTECTION

- A. Where pavement, pipes, valves, appurtenances, trees, shrubbery, fences, other property or structures are in proximity to the Work, adequate protection shall be provided. Such protection is considered incidental to construction and shall not be assigned to any pay item.

1.07 RESTORATION

- A. Where pavement, pipes, valves, structures, appurtenances, trees, shrubbery, fences, other property or structures not designated as pay items, have been damaged, removed or disturbed by the Contractor, whether deliberately or through failure to carry out the requirements of the Contract Documents, state laws, municipal ordinances or the specific direction of the Engineer, or through failure to employ usual and reasonable safeguards, such property and surface structures shall be replaced or repaired at the expense of the Contractor to a condition equal to that before Work began within a time frame approved by the Engineer. Such restoration is considered incidental to construction and shall not be assigned to any pay item.

1.08 EXPLORATORY EXCAVATIONS

- A. The Contractor shall verify the exact locations and depths of all utilities shown and shall conduct exploratory excavations of all utilities that may interfere with the Work. All such exploratory excavations shall be performed as soon as practicable after award of the Contract and, in any event, sufficient time in advance of construction to avoid possible delays to the Contractor's work. When such exploratory excavations show the utility location as shown to be in error, the Contractor shall so notify the Engineer. The cost for conducting these excavations shall be considered incidental to construction.

1.09 TESTING AND SURVEYING

- A. All survey layout shall be considered incidental to the cost of construction and shall include all calculations and field work required, in order to establish all horizontal and vertical controls, set all stakes needed, such as grade stakes, offset stakes, reference point stakes, slopes stakes, and other reference marks or points necessary to provide lines and grades for construction and as-building of all roadway, utility construction, and miscellaneous items.
- B. All testing shall be considered incidental to the cost of construction and shall include all field testing and laboratory work including reports as required by the Drawings and specifications and by agencies having jurisdiction over the project.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.01 GENERAL CONDITIONS - BID ITEM NO. 1.01

- A. Payment shall be made as a percentage of the Lump Sum Price.
- B. The lump sum price shall include the cost of bonds, insurance, licenses and all administrative costs not specifically identified in other bid items.
- C. The lump sum price shall exclude the cost of construction material and installation.

3.02 MOBILIZATION AND DEMOBILIZATION - BID ITEM NO. 1.02

- A. Payment shall be made as a percentage of the Lump Sum Price.
- B. The Lump Sum Price shall include compensation for all labor, materials, equipment and all other incidentals required for all temporary facilities, transportation, communications, office, maintenance, project signs, and any other pre- or post-construction expenses necessary for the start or cessation of the Work, not specifically identified in the costs of the Work.
- C. The Lump Sum Price shall exclude the cost of construction material and installation.
- D. No further payment shall be made for remobilization unless all the Work is suspended by the Engineer for a period in excess of three months and through no fault to the Contractor.

3.03 TESTING AND SURVEY - BID ITEM NO. 1.03

- A. Payment shall be made based as a percentage of the Lump Sum Price.
- B. The Lump Sum Price shall include full compensation to perform all calculations and field Work required, in order to establish all horizontal and vertical controls, set all stakes needed, such as grade stakes, offset stakes, reference point stakes, slopes stakes, and other reference marks or points necessary to provide lines and grades for construction and as-building of all roadway, utility construction and miscellaneous items. Payment for this item also shall include all field testing and laboratory Work including reports as required by the plans and specifications.

3.04 MAINTENANCE OF TRAFFIC - BID ITEM NO. 1.04

- A. Payment shall be made as a percentage of the Lump Sum Price.
- B. The Lump Sum Price shall include compensation for required labor, materials, all necessary temporary pavement markings and signing for vehicles and pedestrians, temporary pavement, temporary business signage, professional fees, and equipment necessary to provide traffic control for two way traffic at all times in accordance with the plans and specifications.

- C. MOT permits and approvals from the applicable regulatory agencies, including but not limited to FDOT, Broward County Highway Construction and Engineering Division, and the City of Hallandale Beach, are the responsibility of the contractor. All MOT plans are to be sealed by a Florida Registered Engineer holding a current FDOT MOT certificate.
- D. MOT shall include both vehicular and pedestrian requirements.
- E. Temporary pavement markings and signage shall be provided wherever existing has been damaged, removed, or is no longer visible. The temporary shall be maintained until final markings are installed after asphalt resurfacing.

3.05 STORMWATER POLLUTION PREVENTION - BID ITEM NO. 1.05

- A. Payment shall be made as a percentage of the Lump Sum Price.
- B. The Lump Sum Price shall include full compensation for all equipment, materials, supplies, and labor necessary to prepare, obtain permit approval from the governing agency, and implement the prevention, control, and abatement of erosion and water pollution. Work shall include but not be limited to mulching, sand bagging, slope drains, sediment basins, berms, baled hay or straw, silt fences and staked turbidity barriers, rock bags, artificial coverings and other items relating to the construction/removal and routine maintenance, including mowing, or implementing the stormwater pollution prevention plan.
- C. This item shall include costs associated with any certified inspectors as required by the NPDES program.

3.06 PERMITTING ALLOWANCE – BID ITEM NO. 1.06

- A. Payment will be based on the actual permit, license or fee paid directly to the agency, documented by paid receipts, specifically excluding any labor, mark-up, overhead and profit, administration and other costs involved in obtaining permits or licenses or paying fees. The Contractor is responsible for submitting and obtaining all necessary regulatory agency permits other than those provided by the Owner or the Engineer, and the Contractor is responsible for paying for all associated permit fees which are specifically excluded from this allowance and to be included in the various bid items herein. Fees specifically excluded from this allowance, include, but are not limited to: reinspection fees, expired permit fees stand by time, failed test and bacteriological testing fees. Only permit fees substantiated by the Contractor and approved by the Owner and Engineer will be paid as part of this Item. Any balance in this bid item at the end of the project shall be credited back to the Owner.

3.07 RECORD DRAWINGS – BID ITEM NO. 1.07

- A. Payment shall be made as a percentage of the Lump Sum Price.

- B. One set of full size design drawings on reproducible material and an electronic file of the design drawings on compact disk will be furnished to the contractor by the City. The Contractor shall maintain full size (24"x 36") field drawings to reflect the "as-built" items of Work as the Work progresses. Upon completion of the Work, the contractor shall prepare a record set of "as-built" drawings on full size which includes three-sets of signed and sealed black line/blueprints, and an electronic file in AutoCAD 2017 or latest version. No payment will be made for "as-built" drawings until both the reproducible and electronic files are received and accepted by the City.
- C. The updated record drawings prepared by a professional surveyor are required to be submitted with each pay request. Partial payment will be made for this item based upon the percentage of Work completed. All survey Work shall be performed by independent third party surveyors, licensed to practice in the State of Florida. The surveyor shall be retained by the Contractor and approved by the Engineer.
- D. This item does not include surveying Work required for layout and alignment of utility and other improvements.
- E. Refer to Specification Section 01720 for more detail.

3.08 TRENCH SAFETY, SHORING, AND SECURITY FENCING – BID ITEM NO. 1.08

- A. Payment shall be made as a percentage of the Lump Sum Price.
- B. The Lump Sum Price shall include furnishing and installing adequate trench safety measures, any special shoring measures for trench safety act compliance and job site security fencing for the project shall be made at the Contract Lump Sum price bid for this item.
- C. Refer to section 02221.

3.09 8" PVC REUSE WATER MAIN (INCLUDING TRENCH RESTORATION) – BID ITEM NO. 2.01

- A. Payment by linear foot. Price and payment will be full compensation for all materials, work, bacteriological and pressure testing associated with the installation of PVC Reuse Water Main piping including dewatering, temporary bracing of existing adjacent structures, all excavation and for all backfilling materials and compaction, and disposal of surplus materials and existing underground utility locations. Price and payment will be full compensation for all work, all parts, accessories, gaskets, for a complete installation. This includes hauling the pipe to the new location as necessary; any cleaning that might be required. When the drainage or utility pipe is removed and the new pipe is constructed in approximately the same location, the cost of excavating and removing the old pipe and of its disposal will be included in the Contract unit priced for the new pipe. Prices and payment include the complete restoration of the surface disturbed by the construction, including but not limited to pavement restoration, sidewalk restoration, curb restoration, thermoplastic pavement markings and signage restoration, swale restoration, landscape restoration, etc.

- B. Any pipe that is damaged incidental to construction shall be replaced at the Contractor's expense.
- 3.10 8" HDPE DR11 REUSE WATER MAIN (HORIZONTAL DIRECTIONAL DRILLING) – BID ITEM NO. 2.02
- A. Price and Payment will be full compensation for all materials, labor, and equipment associated with the installation of 8" HDPE DR11 Water Main by Horizontal Directional Drilling. Price shall include, but not be limited to: locating by vacuum excavation and protecting all existing utilities, repairing or replacing damaged utilities, as needed, excavation, backfilling, compaction, setting up insertion and receiving pits, preparing water service pits, coordinating interruption of service with the Owner and residents, joining HDPE pipe, tracer wires, pre-chlorination of pipe, post-chlorination, hydrostatic testing, bacteriological testing, reconnecting new water main to the existing system, HDPE pipe adapters, removal and disposal of existing pipe, proper containment and disposal of excess drilling mud, removing existing valve boxes and backfill, and restoring the surface disturbed by construction, such as drill pits, swales, driveways, roadway, thermoplastic pavement markings, signage, and sidewalk.
 - B. Contractor's Unit Price shall include all required documentation, field logs, and all other items as stated in the technical specifications. Refer to Section 02341.
 - C. Any pipe that is damaged incidental to construction shall be replaced at the Contractor's expense.
- 3.11 8" DIP REUSE WATER MAIN (INCLUDING TRENCH RESTORATION) – BID ITEM NO. 2.03
- A. Payment by linear foot. Price and payment will be full compensation for all materials, work, bacteriological and pressure testing associated with the installation of DIP Reuse Water Main piping including dewatering, temporary bracing of existing adjacent structures, all excavation and for all backfilling materials and compaction, and disposal of surplus materials and existing underground utility locations. Price and payment will be full compensation for all work, all parts, accessories, gaskets, for a complete installation. This includes hauling the pipe to the new location as necessary; any cleaning that might be required. When the drainage or utility pipe is removed and the new pipe is constructed in approximately the same location, the cost of excavating and removing the old pipe and of its disposal will be included in the Contract unit priced for the new pipe. Prices and payment include the complete restoration of the surface disturbed by the construction, including but not limited to pavement restoration, sidewalk restoration, curb restoration, thermoplastic pavement marking and signage restoration, swale restoration, landscape restoration, etc.
 - B. Any pipe that is damaged incidental to construction shall be replaced at the Contractor's expense.
- 3.12 REUSE WATER DIP FITTINGS – BID ITEM NO. 2.04-2.09
- A. Payment for DIP fittings shall be made based on the unit prices contained in the approved Schedule of Values per each installed and accepted.

- B. Payment is based on the price each for the fittings. Price and payment for furnishing and installing the fittings (includes sleeves, plugs, crosses, tees, reducers, cleanouts, 90°-Bends, 45°-Bends, 22.5°-Bends, 11.25°-Bends) shall include all parts, accessories, and gaskets, for a complete installation. This includes work and testing associated including dewatering, temporary bracing of existing adjacent structures, all excavation and for all backfilling materials and compaction, and its appurtenances and accessories as detailed on the plans and specification including gaskets as detailed, cutting and removal of existing pipe as necessary to install the new fitting in the existing pipe, and removal of existing pipe as necessary to install new fitting in existing pipe and removal transport and disposal of removed pipe material in accordance with local, state and federal regulations.
- C. Any fittings that are damaged incidental to construction shall be replaced at the Contractor's expense.

3.13 2" MANUAL BLOWOFF ASSEMBLY – BID ITEM NO. 2.10

- A. Payment shall be made at the Unit Price installed and accepted.
- B. The Unit Price shall include full compensation for all labor, material, and equipment required to furnish, install, and test 2" Manual Blowoff Assembly, including but not limited to excavation, backfill, compaction, connecting to pipe and fittings, accessories, corp stop, concrete collars, joint restraints, adapters, gaskets, washers, nuts, bolts, coating, lining, valve boxes, valve markers, and site restoration for a complete installation.
- C. Any assemblies that are damaged incidental to construction shall be replaced at the Contractor's expense.

3.14 8"X2" TAPPING SADDLE AND VALVE – BID ITEM NO. 2.11

- A. Payment for tapping saddle and valve shall be made based on the unit prices contained in the approved Schedule of Values per each installed and accepted.
- B. Payment is based on the price each for the saddle and valve. Price and payment for furnishing and installing the saddle and valve shall include all parts, accessories, and gaskets, for a complete installation. This includes work and testing associated including dewatering, temporary bracing of existing adjacent structures, all excavation and for all backfilling materials and compaction, and its appurtenances and accessories as detailed on the plans and specification including gaskets as detailed, cutting and removal of existing pipe as necessary to install the new fitting in the existing pipe, and removal of existing pipe as necessary to install new fitting in existing pipe and removal transport and disposal of removed pipe material in accordance with local, state and federal regulations.
- C. Any saddle and valves that are damaged incidental to construction shall be replaced at the Contractor's expense.

3.15 8" GATE VALVE AND BOX – BID ITEM NO. 2.12

- A. Payment shall be made at the Unit Price installed and accepted.

- B. The Unit Price shall include full compensation for all labor, material, and equipment required to furnish, install, and test 8" gate valves, including but not limited to excavation, backfill, compaction, connecting to pipe and fittings, accessories, concrete collars, joint restraints, adapters, gaskets, washers, nuts, bolts, coating, lining, valve boxes, valve markers, and site restoration for a complete installation.

3.16 REMOVAL AND DISPOSAL OF UNSUITABLE SOILS, AND SELECT MATERIAL REPLACEMENT – BID ITEM NO. 2.13

- A. Measurement and payment for soil removal, disposal and select material replacement per plan/detail will be based upon the actual volume of material removed, disposed and select material replaced in accordance with the Contract Documents, and legally disposed of unsuitable material. No onsite stockpiling of unsuitable materials is allowed by Contractor and should be removed from project area daily. Quantity is based on amount of removal for reuse main construction based on depths identified in Geotechnical Report attached in Appendix for reference.
- B. Cubic yardage shall be as measured at the disposal facility. Provide certified receipts.
- C. The amount shown on the Bid Form is an estimate of material to be removed. Payment will be made based on the actual volume of material removed and replaced including all labor, equipment, select material (stone), geotextile (filter fabric), supplies, sampling, analyses, transportation and disposal, and all other costs necessary to complete the Work.

3.17 TYPE F CURB REPLACEMENT – BID ITEM NO. 2.14

- A. Payment for Type F Curb Replacement shall be made at the Contractor's Unit Price per linear foot installed and accepted. The Unit Price shall include compensation for all labor, material, and equipment required to replace and install the Type F curb and gutter including subgrade, limerock base, asphalt restoration, driveway restoration, sidewalk restoration, thermoplastic pavement markings and signage, swale restoration, and landscape restoration complete in accordance with the plans and specifications.
- B. Contractor's Unit Price shall also include cutting, filling, and regrading of limerock and subgrade, as needed, to achieve proper longitudinal slope to match adjacent drainage patterns.

3.18 2" REUSE SERVICE – BID ITEM NO. 2.15

- A. Measurement for payment for 2" Reuse Service will be based upon the linear feet of such installed pipe all in accordance with the Contract Documents.

- B. Payment for 2" Reuse Service will be made per linear foot, named in the Proposal which price shall constitute full compensation for the complete installation of service at full trench width. Price and payment will be full compensation for all work, all parts, accessories, gaskets, for a complete installation. This includes hauling the pipe to the new location as necessary; any cleaning that might be required. When the utility pipe is removed and the new pipe is constructed in approximately the same location, the cost of excavating and removing the old pipe and of its disposal will be included in the Contract unit priced for the new pipe. Prices and payment include the complete restoration of the surface disturbed by the construction, including but not limited to pavement restoration, sidewalk restoration, curb restoration, thermoplastic pavement marking and signage restoration, swale restoration, landscape restoration, etc.
- C. Price shall also include the cost of labor, equipment, and material to demuck or remove and properly dispose of any unsuitable soils, such as organics, and to import and install clean fill. Refer to the Geotechnical Report.

3.19 2" SERVICE CONNECTION- BID ITEM NO. 2.16

- A. Measurement for payment for 2" Service Connection to Ex. Irrigation Meter and capping existing service will be based upon the actual number, each, of such service connections in accordance with the Contract Documents.
- B. Payment for 2" Service Connection will be made at the unit price, each, named in the Proposal which price shall constitute full compensation for the complete installation of service at full trench width including locating, cutting and capping the existing service at the main. Prices and payment include the complete restoration of the surface disturbed by the construction, including but not limited to pavement restoration, sidewalk restoration, curb restoration, thermoplastic pavement marking and signage restoration, swale restoration, landscape restoration, etc.
- C. Price shall also include the cost of labor, equipment, and material to demuck or remove and properly dispose of any unsuitable soils, such as organics, and to import and install clean fill. Refer to the Geotechnical Report.

3.20 6" CONCRETE SIDEWALK REPLACEMENT - BID ITEM NO. 2.17

- A. Payment for 6" Concrete Sidewalk Replacement as indicated on the plans shall be made at the Contractor's Unit Price per square yard of sidewalk removed, installed and accepted. The Contract Unit Price shall include compensation for all labor, material, and equipment required to replace the 6" thick concrete sidewalk with stabilized subgrade in accordance with the plans and specifications. Contractor shall be responsible for cutting and removing any roots or debris within 6" of the bottom of the sidewalk and replacing with suitable compacted subgrade.
- B. Payment shall be made for 6" thick concrete sidewalk constructed or replaced by authorization of the Engineer. Any of the new 6" thick concrete sidewalk that is damaged incidental to construction shall be replaced at the Contractor's expense.

3.21 SCAVO PARK PUMP STATION REHABILITATION – BID ITEM NO. 2.18

- A. Payment shall be made at the Lump Sum Price installed and accepted.
- B. The Lump Sum Price shall include full compensation for all equipment, material, and labor associated with the rehabilitation of the existing pump station wet well or as called for on the plans in accordance with the Contract Documents.
- C. Refer to Section 09900.

3.22 SCAVO PUMP STATION ELECTRICAL UPGRADES – BID NO. 2.19

- A. Payment for all electrical work associated with the pump station improvements work including that which is not specifically identified in the costs of other work under the Contract will be made at the Lump Sum Price, named in the Proposal, which price shall constitute full compensation for the complete installation, successful testing and operation of this work; including but not limited to: disconnect and removal of the existing pump control panel, disconnect and removal of the existing antenna, disconnect and removal of the existing pumps, electrical components, service connections, coordination with any other utility/agency, replacement and connection of proposed pumps, replacement/new equipment's, and preparation of as-built drawings. All Pump Station Site Electrical work to be constructed as shown on the plans and specifications, and any required work for the satisfactory completion of the project not included in a separate bid item shall be considered as part of the Pump Station Site Electrical Work and shall be included in this bid item.
- B. Pump Station Site Electrical Work shall be complete, energized, and satisfactorily tested to the CITY and the ENGINEER, and ready for service, all in accordance with the Contract Documents.

3.23 SCAVO PUMP STATION INSTRUMENTATION AND CONTROLS – BID NO. 2.20

- A. Payment for this item shall be made at the Lump Sum Price. The system shall include hardware and installation, wiring and conduit, software, communications, and testing. Hardware shall be, but not limited to, control panel cabinet, cellular antenna, remote stations, sensors, trench and backfilling, conduits, wiring, IC programming, interfacing of the proposed control panel to Public Works office control room, other items required to perform the pump operations replacement/new equipment's, and preparation of as-built drawings. Software shall be all that is required to control the pumps, local and remote indication, local and remote control, using a combination of touchscreens, push buttons, switches, and other devices. Communication shall include all communication between the local control station and the Hallandale Beach Public Works office control room.

3.24 SCAVO PUMP STATION MECHANICAL WORK – BID ITEM NO. 2.21

- A. Payment for the two (2) pumps, motors, turbines and all other costs, mechanical water flow meter, hytrol valve and butterfly valve including accessories to the Contractor associated with the mechanical equipment and piping that is not specifically identified in the costs of other work under the Contract will be made at

the Lump Sum Price, named in the Proposal, which price shall constitute full compensation for the complete installation, successful testing and operation of this work; including but not limited to: furnishing and installation of pumps, motors, vertical shaft and turbine, all piping, valves, water metering valve fittings, couplings, emergency pump out connection assembly/supports, service connections, check valves, coordination with any other utility/agency, and preparation of as-built drawings. Pumps will be supplied by the Contractor. All piping, including fittings, valves, and tie-ins to be constructed as shown on the plans and specifications, and any required work for the satisfactory completion of the project not included in a separate bid item shall be considered as part of the Pump Station Site Mechanical and shall be included in this bid item.

- B. Scavo Pump Station Mechanical Work shall be complete, energized, and satisfactorily tested to the CITY and the ENGINEER, and ready for service, all in accordance with the Contract Documents.

3.25 2" POTABLE WATER SERVICE WITH BACKFLOW AND METER – BID ITEM NO. 3.01

- A. Measurement for payment for 2" potable water service with backflow and meter will be based upon the actual number, each, of such replacements installed all in accordance with the Contract Documents.
- B. Payment for 2" potable water service with backflow and meter will be made at the unit price, each, named in the Proposal which price shall constitute full compensation for the complete installation of service at full trench width; including installation of Ford Meter Box Couplings, fittings, connections to the existing main, and all else necessary for a complete and functional installation.

3.26 2" GATE VALVE AND BOX – BID ITEM NO. 3.02

- A. Payment shall be made at the Unit Price installed and accepted.
- B. The Unit Price shall include full compensation for all labor, material, and equipment required to furnish, install, and test 2" gate valves, including but not limited to excavation, backfill, compaction, connecting to pipe and fittings, accessories, joint restraints, adapters, gaskets, washers, nuts, bolts, coating, lining, valve boxes, valve markers, and site restoration for a complete installation.

END OF SECTION