

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 BASIS FOR PAYMENTS

A. The various major items of Work will be paid for in the lump sum allowance or unit cost amounts listed in the Schedule of Bid Items. All bid items shall include all labor, equipment, materials and testing as specified to construct the item, completed, tested and accepted. Those lump sum amounts shall be further distributed in accordance with sub-values identified in the approved Schedule of Values specified in SECTION 01200. Attached is a description of the Work listed in the Schedule of Bid Items (B2/B3) and is not intended to be complete and all-inclusive of the required work items. The Work shall include all miscellaneous and ancillary items necessary to construct a complete and functional Project.

1.02 SCHEDULE OF VALUES

A. The descriptions below generally outline the scope of work required for those elements of the Work to be paid for under each lump sum or unit cost item listed in the Schedule of Bid Items. The Contractor shall submit a schedule of values as specified in SECTION 01200 and the GENERAL CONDITIONS.

1.03 BREAKDOWN OF BASE BID

A. Where the Schedule of Bid Items show quantities, these quantities are primarily shown for bid evaluation purposes, and are believed to be reasonably accurate.

B. In the event that the actual quantity of material installed exceeds the quantity shown, the CONTRACTOR will be paid the unit price shown for the quantity of the value shown on the bid breakdown.

C. A credit will be similarly provided to the City by the CONTRACTOR for quantities less than those shown on the bid breakdown.

1.04 CONTINGENCY AND/OR ALLOWANCES

A. In addition to the cost of work, this contract will include an agreed upon sum as the construction contingency and/or allowance (see Schedule of Bid Items (B3) Item A-1), which is included for the purpose of defraying the expenses due to unforeseen conditions, extra work, and circumstances relating to construction, unless otherwise agreed. The CONTRACTOR will be required to furnish documentation evidencing expenditures charged to these contingency and allowance accounts prior to the release of funds by the City. Furthermore, the CONTRACTOR shall obtain written pre-approval by the City's PROJECT MANAGER before the expenditure of these funds. Documentation for use of the contingency and allowance accounts shall be assembled by the CONTRACTOR and provided immediately to the City's PROJECT MANAGER. No contingency or allowance funds will be released by the City without the prior written approval of the City's PROJECT MANAGER.

B. The contingency and allowance accounts are not for use by the CONTRACTOR to cover shortfalls in the CONTRACTOR'S lump sum bid amount.

C. All uncommitted contingency or allowance funds will be returned to the City by the contract at the substantial completion of the project via deductive change order.

1.05 PAYMENTS

A. Shall be in accordance with the provisions of the GENERAL CONDITIONS.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

BASE BID

GENERAL CONDITIONS

3.01 SITE MOBILIZATION/GENERAL REQUIREMENTS– Bid Item No. GC-1

A. Payment for mobilization/general requirements will be made at the contract lump sum price bid for the item, which price shall be full compensation for all materials, labor, equipment, tools and all other incidentals necessary to complete this item. This item also includes all costs for mobilization, scheduling, temporary facilities, utilities, demobilization and all other costs required to complete the work, tested and accepted, which are not included in other bid items. Includes all required mobilizations for all items. The Contractor shall provide a full detailed breakdown of this item in his schedule of values.

B. Payment item for mobilization/general requirements shall not exceed two percent (2%) of the contract price and shall be paid in increments in proportion to the total work completed.

3.02 MAINTENANCE OF TRAFFIC (ALLOWACE) – Bid Item No. GC-2

A. Only direct reimbursable costs for FDOT certified subcontractor supplied MOT items, such as rental of cones, rental of barricades, rental of directional and other signage including rental of variable message boards, will be paid for under this pay item. Payment will be based on City approved paid invoices from said subcontractor. No Contractor markup will be allowed on the rental of these MOT items.

No payment for Contractor supplied labor for traffic setups, flagmen and or supervision will be allowed.

B. Included in this allowance is the preparation of MOT plans that will be prepared for each phase of the work by the FDOT certified subcontractor that will be supplying the MOT barricades and signage. All MOT plans shall be reviewed and approved by the City and FDOT. All work authorized for payment will be authorized in writing by the OWNER. The City reserves the right to award any, all or none of the money associated with this allowance.

3.03 BONDS AND INSURANCE – Bid Item No. GC-3

A. Payment for bonds and insurance will be made at the contract lump sum price bid for the item. The Contractor shall provide proof of payment for all bonds and insurance.

3.04 TRENCH SAFETY ACT COMPLIANCE – Bid Item No. GC-4

A. Payment for trench safety act compliance will be made at the contract lump sum price bid for the item, disbursed as project proceeds in accordance with (B10) breakdown.

3.05 PROFESSIONAL VIDEO TAPING – Bid Item No. GC-5

A. Payment for professional video taping (pre & post construction) of the entire project area, including all buildings, etc. will be made at the contract lump sum price bid for this item and shall be paid in increments in proportion to the total work completed.

This item shall also include weekly progress photos (hard copy & digital file). Contractor is to provide breakout cost for each item.

3.06 CONSTRUCTION PERMITS (ALLOWANCE) – Bid Item No. GC-6

A. Payment for Contractor required construction permits will be made as direct reimbursable allowance. No markup by the contractor will be allowed.

3.07 LAYOUT & WEEKLY AS-BUILT SURVEY - Bid Item No. GC-7

A. Payment for this item shall be on a Lump Sum Basis and shall be paid in increments in proportion to the total work completed. 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 a full size (24" x 36") field drawing set to reflect the "as-built" items of work as the work progresses. Upon completion of the work, the contractor shall prepare a final record set of "as-built" drawings on full size, reproducible material and an electronic file in AutoCAD 2000 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.

B. Weekly signed & sealed full size As-Built drawings (3 copies) prepared by professional surveyor licensed in the State of Florida are also included in this bid item.

C. Contractor is to provide breakout cost for each item.

D. All survey work shall be performed by an independent third party surveyor, licensed to practice in the State of Florida. The surveyor shall be retained by the Contractor and approved by the City.

3.07.A. NPDES COMPLIANCE – Bid Item No. GC-8

A. National Pollutant Discharge Elimination System (NPDES). This bid Item will be paid for on a lump sum basis and will include all labor, equipment, materials, and transportation by the contractor to comply with the NPDES program throughout the project including, but not limited to , filing all necessary notices, field installations, maintaining logs and reports and corrective actions. This bid item amount will be paid in increments and prorated evenly throughout the project.

B. Contractor is to provide breakout cost for each item.

DEMOLITION

3.08 A. REMOVE & DISPOSE OF EXISTING ASPHALT PAVEMENT (varying thickness) – Bid Item No. DM-1

A. This item shall be paid on a square yard basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of all existing pavement section (asphalt pavement of varying thickness - see subsurface reports Appendix B & D) within the project limits as indicated on the plans. This item includes all saw-cutting and joints at connections to existing pavement. The existing pavement shall be completely removed and shall be properly disposed of off-site at no additional cost to the Owner.

3.08 B. REMOVE & DISPOSE OF EXISTING ROAD BASE MATERIAL (varying thickness)–Bid Item No. DM-2

A. This item shall be paid on a square yard basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of all existing pavement section (base material of varying thickness – see sub surface reports Appendix B & D), within the project limits as indicated on the plans. This item includes all saw-cutting and joints at connections to existing pavement. The existing base material shall be completely removed and shall be properly disposed of off-site at no additional cost to the Owner.

3.09 CONCRETE CURB REMOVAL – Bid Item No. DM-3

A. This item shall be paid on a linear foot basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of all existing concrete curb (all types), within the limits of the project as indicated on the plans. This item includes all saw-cutting and joints at connections to existing curbs. The existing curb shall be completely removed and shall be properly disposed of off-site at no additional cost to the Owner.

3.10 CONCRETE SIDEWALK REMOVAL – Bid Item No. DM-4

A. This item shall be paid on a square yard basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of all existing sidewalks (varying thickness), within the limits of the project as indicated on the plans. This item includes all saw-cutting and joints at connections to existing sidewalks. The existing sidewalks shall be completely removed and shall be properly disposed of off-site at no additional cost to the Owner.

3.11 CONCRETE DRIVE REMOVAL – Bid Item No. DM-5

A. This item shall be paid on a square yard basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of existing concrete drive within the limits of the project as indicated on the plans. This item includes all saw-cutting and joints at connections to existing pavement, sidewalks and curbs. The existing concrete drive shall be completely removed and shall be properly disposed of off-site at no additional cost to the Owner.

3.12 DRAINAGE STRUCTURE REMOVAL – Bid Item No. DM-6

A. This item shall be paid per each drainage structure (manhole, catch basin, junction box) removed. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of existing drainage catch basins and manholes (varying type & size), within the limits of the project as indicated on the plans. This item includes all saw-cutting

and joints at connections to existing drainage systems. The existing drainage catch basins and manholes shall be properly disposed of off-site at no additional cost to the Owner.

3.13 DRAINAGE PIPE REMOVAL (12" – 60") – Bid Item No. DM-7

A. This item shall be paid on a linear foot basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for the complete removal and disposal of existing drainage pipe (12" – 60") as indicated on the plans, including any existing wood shoring and sheeting that has been left in the ground supporting the existing drainage pipes. The Contractor is to assume the original wood shoring and sheeting is existing in place adjacent to the existing pipes and will need to be removed and disposed of as part of this bid item. This item includes all saw-cutting and joints at connections to existing drainage systems. The existing drainage piping and existing wood shoring and sheeting shall be properly disposed of off-site at no additional cost to the Owner.

3.14 WATER MAIN PIPE REMOVAL (2" – 8") – Bid Item No. DM-8

A. This item shall be paid on a linear foot basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for capping, cutting, removal of existing water main pipe (2" – 8"), as indicated on the plans. This item includes all saw-cutting and joints at connections to existing water main systems. The existing water main piping shall be properly disposed of off-site at no additional cost to the Owner.

3.15 SEWER MANHOLE REMOVAL – Bid Item No. DM-9

A. This item shall be paid per each sanitary manhole removed. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of existing sanitary manholes, as indicated on the plans. This item includes all saw-cutting and joints at connections to existing sewer systems. The existing sanitary manholes shall be properly disposed of off-site at no additional cost to the Owner.

3.16 SEWER PIPE REMOVAL (8" – 12") (Including all Sanitary Sewer Laterals) – Bid Item No. DM-10

A. This item shall be paid on a linear foot basis. The Contractor's unit price shall include full compensation for all labor, materials and equipment required for removal of existing sanitary sewer main pipe (8" – 12"), as indicated on the plans including all existing sanitary sewer laterals and clean-outs. Measurement for payment shall be based only on the sewer main pipe footage removed. No additional payment will be made for the removal of laterals and clean-outs. This item includes all saw-cutting and joints at connections to existing sewer systems. The existing sanitary sewer main piping, laterals and clean-outs shall be properly disposed of off-site at no additional cost to the Owner.

3.17 REMOVE SIGNS - Bid Item No. DM-11

A. Payment for this item shall be made on a Lump Sum Basis and shall be paid in increments in proportion to the total work completed. The Contractor's lump sum price shall include full compensation for all labor, materials and equipment required for removing and disposing of all existing signs with their supporting poles and foundations within the limits of the project.

3.18 CLEARING & GRUBBING - Bid Item No. DM-12

Payment for Clearing & Grubbing shall be made on a contract lump sum price and shall be paid in increments in proportion to the total work completed. The Contractor's lump sum price shall

include full compensation for all labor, materials and equipment required for this item.

This work shall include, but not be limited to, clearing, grubbing, scalping, removal of trees and stumps, hedges, shrubs, removal and disposal of existing fences and removing and disposing of all vegetation and debris within the limits of the right-of-way, except such objects that are to remain or are to be removed in accordance with other sections of these specifications.

All existing palm trees that are located on the North side of Edmor Road and Lakewood Road shall be relocated to the South side of the roads by the Contractor as directed by Engineer. There are 59 existing palms trees to be relocated on Lakewood Road and 15 existing palm trees to be relocated on Edmor Road.

Relocation of the existing palm trees shall include the installation, staking and fertilizing at the new site and six months of watering using a water truck (3) times per week from the time of transplanting.

Also included in this bid item is the cutting and capping of the existing irrigation systems during construction and replacement of same prior to sodding.

As part of this bid item the Contractor shall temporarily relocate all existing mailboxes to behind the right-of-way during construction. After construction is complete the Contractor shall relocate all mailboxes to their original locations.

Also included in this bid item is the cost for Contractor to maintain existing street lighting systems in operating condition until the new lighting systems are installed, tested, approved and ready for operation. When the new lighting systems are fully operational, the Contractor shall remove and dispose of the old poles, fixtures, conduits, and wiring, as specified.

Payment for this item shall be on a Lump Sum Basis and shall be paid in increments in proportion to the total work completed. Contractor is to provide breakout cost for each item.

ROADWAY/SIDEWALK

3.19 2" TYPE S-3 ASPHALT CONCRETE SURFACE COURSE (2) 1" LIFTS) – Bid Item No. R-1

A. Payment for installing new 2" Type S-3 asphalt in (2) 1" lifts, where indicated on the plans shall be made at the Contractor's unit price per square yard (SY) for Type S-3 asphalt and shall include all labor, material, and equipment required to construct 2" asphalt concrete surface course as shown on the plan view and detail drawings. The unit price shall include compensation for multiple mobilizations, labor, materials, and equipment required to construct the new asphalt concrete surface course. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

B. This unit price shall also include all necessary labor, materials, and equipment to adjust the valve boxes, manholes, rims, inlets, or other fixtures to final grade, transitions to existing pavement, milling, removal of existing pavement, disposal of existing pavement, tack coating, compaction, rolling, brooming, and any other work required to complete the work.

3.20 A 1" TYPE S-3 ASPHALT MILL & OVERLAY Dixie Highway 50 ft each way – Bid Item No. R-2A

A. Payment for milling 1" of existing asphalt pavement and installing new 1" Type S-3 asphalt overlay, where indicated on the plans shall be made at the Contractor's unit price per square yard (SY) for Type S-3 asphalt overlay and shall include all labor, material, and equipment required to mill 1" of existing asphalt pavement and construct 1" asphalt concrete overlay as shown on the

plan view and detail drawings. The unit price shall include compensation for multiple mobilizations, labor, materials, and equipment required to construct the new asphalt surface overlay. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

B. This unit price shall also include all necessary labor, materials, and equipment to adjust the valve boxes, manholes, rims, inlets, or other fixtures to final grade, transitions to existing pavement, milling, removal of existing pavement, disposal of existing pavement, tack coating, compaction, rolling, brooming, and any other work required to complete the work.

3.20 1" TYPE S-3 ASPHALT MILL & OVERLAY - Bid Item No. R-2

A. Payment for milling 1" of existing asphalt pavement and installing new 1" Type S-3 asphalt overlay, where indicated on the plans shall be made at the Contractor's unit price per square yard (SY) for Type S-3 asphalt overlay and shall include all labor, material, and equipment required to mill 1" of existing asphalt pavement and construct 1" asphalt concrete overlay as shown on the plan view and detail drawings. The unit price shall include compensation for multiple mobilizations, labor, materials, and equipment required to construct the new asphalt surface overlay. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

B. This unit price shall also include all necessary labor, materials, and equipment to adjust the valve boxes, manholes, rims, inlets, or other fixtures to final grade, transitions to existing pavement, milling, removal of existing pavement, disposal of existing pavement, tack coating, compaction, rolling, brooming, and any other work required to complete the work.

3.21 10" LIMEROCK OR CRUSHED CONCRETE BASE - Bid Item No. R-3

A. Payment for installing new 10-inch lime rock or crushed concrete base (LBR 100) including prime coat where indicated on the plans shall be made at the Contractor's unit price per square yard for lime rock or crushed concrete base installed and accepted.

B. The Contract Unit Price shall include compensation for all labor, materials, and equipment required to construct the new lime rock or crushed concrete base, including prime coat in accordance with the plans and specifications. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

3.22 12" COMPACTED SUBGRADE – Bid Item No. R-4

A. The unit price bid per square yard (SY) for the compacted sub grade (12" thick) shall include all labor, material, and equipment required to construct the compacted sub grade as shown on the detail drawings. The unit price shall include all excavation, preparation of sub grade, fine grading, placement of sub grade material, compaction, rolling, brooming, and other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

3.23 SOD (FLORATAM) – Bid item No. R-5

The contract unit price shall be on a square yard basis and shall include compensation for all labor, materials, and equipment for the installation of Sod on private property or public Right-of-

way, including hand grading and maintenance as specified.

3.24 CONCRETE DRIVE (6" THICKNESS) - Bid Item No. R-6

A. Payment for furnishing and installing concrete drive aprons shall be made at the contract unit price per square yard of concrete apron installed and accepted. The contract unit price shall include full compensation for all labor, materials, and equipment necessary to grade and compact subgrade, pour, finish and cure concrete drive aprons in accordance with the plans and specifications.

3.24 A BRICK DRIVEWAY & WALKWAYS W/ LIMEROCK BASE, 2" CLEAN SAND AND 6"X8" CONCRETE BORDER Bid Item No. R-6A

A. Payment for furnishing and installing brick driveways and walkways shall be made at the contract unit price per square yard of brick driveways installed and accepted. The contract unit price shall include full compensation for all labor, materials, and equipment to remove and store the existing driveways and walkway bricks, construct the 6"x8" concrete borders, 8" compacted lime rock base, 2" compacted sand and reinstall the bricks to the same pattern as existed prior to construction and in accordance with the plans and specifications.

3.25 CONCRETE SIDEWALK (4" & 6" THICKNESS) – Bid Item No. R-7, R-7A

A. Payment for concrete sidewalks (width varies) of 4 inch and 6 inch thickness as indicated on the plans and details shall be made at the contract unit price per square yard of sidewalk installed and accepted. The Contract Unit Price shall include compensation for all labor, material, and equipment required to install the sidewalk in accordance with the plans and specifications. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

B. Payment shall be made for sidewalks constructed or replaced by authorization of the City Project Manager. Any sidewalk that is broken incidental to construction shall be replaced at the Contractor's expense.

3.26 CURB RAMPS - Bid Item No. R-8

A. Payment for this item shall be made on a Unit Price Basis. The contract unit price shall include full compensation for furnishing and installing the curb ramps at the locations shown on the Drawings. The curb ramps shall be in accordance with the plans, details, and specifications. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

3.27 CONCRETE CURBS - Bid Item Nos. R-9

A. Payment for furnishing and installing concrete curbs shall be made at the contract unit price per each type concrete curb installed and accepted. The contract unit price shall include all labor, materials, and equipment necessary to furnish and prepare the sub-grade (5" thick LBR 100 lime rock curb pad) and install the concrete curbs in accordance with the plans and specifications. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications.

3.28 ROADWAY SIGNAGE - Bid Item No. R-10

A. Payment for this item shall be made on a Lump Sum Basis. Contractor shall provide

breakdown schedule of lump sum price for payment. The contract lump sum price shall include full compensation for furnishing and installing all Roadway Signage of the types and at the locations shown on Drawings. The contract lump sum price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications. Contractor is to provide breakout cost for each item.

3.29 PAVEMENT MARKINGS - Bid Item Nos. R-11, R-12, R-13

A. The quantity of pavement markings installed shall be determined by measurement of the units (per linear foot) installed and accepted. All pavement markings shall be thermoplastic. The unit price shall include all measurements, materials, equipment, preparation, any temporary pavement markings, and other miscellaneous work or materials required to complete the work in accordance with Florida Department of Transportation Section 711 and City of West Palm Beach Specifications. The contract unit price shall also include other miscellaneous work required to complete the work in accordance with Florida Department of Transportation Standard Specifications for Road and Bridge Construction, latest edition and the City of West Beach specifications. Contractor is to provide breakout cost for each item.

WATER DISTRIBUTION

3.30 DUCTILE IRON WATER MAIN - Bid Item No. W-1, W-2, W-3, W-4 (4", 6" 8", & 12")

A. Payment for ductile iron water main shall be determined by the number of linear feet of each size of pipe installed, in place, completed, flushed, tested, and approved. The footage shall be the horizontal distance measured along the surface of the trench between the centerlines of connecting or branch mains. The length of all fittings, pig wyes, sleeves, bends and valves in the main shall be included in the footage as typical sections of the pipeline being measured.

B. The unit price bid per foot under this item shall be full compensation for providing all labor, equipment, materials, excavation, flushing, testing, special pipe bedding material, temporary plugs, de-watering, backfilling, restraining devices, and other appurtenances required to complete construction of the water main and not included in other bid items. Also included is the painting of a 4" wide continuous blue line on the top of the pipe and fittings as indicated on the drawings. Included with the 12" water main is the steel casing and spacers.

3.31 GATE VALVES W/BOX - Bid Item No. W-5, W-6, W-7, W-8

A. Payment for furnishing and installing gate valves w/box of each size shall be made at the contract unit price per valve and shall include all necessary labor, equipment, flushing, testing, and materials for furnishing and installing the valves and appurtenances as called for in the plans. This includes furnishing and installing concrete pads for water main valve boxes (as required) complete with identification disc. No payment shall be made under this item for valves required for wet taps, or fire hydrants.

B. The number of gate valves to be paid will be determined by the actual number of units installed and accepted. Payment shall include the cost of painting the valve box.

3.32 CONSTRUCT WATER SERVICE FROM WATER MAIN TO NEW METER - W-9, W-10

A. The number of water services will be determined by the count of units installed and accepted as indicated on the plans.

B. Payment for furnishing and installing water services will be made at the contract unit price for each 1" single and 1-1/2" double water service installed and accepted. The Contract Unit Price

will include compensation for all labor, material and equipment, required to install and connect the new water service to the existing water service at the right-of-way line. It also includes the connection from the proposed water main to the water meter location, all in accordance with the plans and specifications. Payment will include full compensation for providing all excavation, backfilling, fittings, casing pipe, flushing, testing, and all other restoration required, meter installation (furnished by the City, installed by the Contractor), meter box installation (furnished by Contractor) and other appurtenances necessary to have a complete and fully functional water service. Material to be used for services will be W-10 Polypipe with tracer wire (See Appendix A, Approved Materials List).

3.33 TAPPING SLEEVE & GATE VALVE (8"X8", 6"x6") – Bid item No. W-11, W12

A. The unit price bid for this item shall be full compensation for furnishing all materials, labor, and equipment for installing, flushing and testing of the tapping sleeve fittings and gate valves. It shall also include all required restraint glands, bolts, nuts, gaskets, and all other appurtenances for tapping sleeve fittings and gate valves. Only tapping sleeve fittings and gate valves actually installed will be measured for payment by the unit price.

B. This item does not include restraining devices (Bid Item No. W-14).

3.34 CONNECT TO EXISTING WATER MAIN - Bid Item No. W-13

A. The lump sum bid for this item shall be full compensation for the furnishing and installation of water main connections including labor, equipment, flushing, testing, and materials (fittings, connectors, etc.) as shown on the Drawings, including all appurtenant and miscellaneous items of work required. Water main connections shall include the following operations to be performed by the Contractor:

B. Advance notification of shut down to all affected residents, coordination and scheduling of the operation of valves by City personnel to effect shut down, restraining existing mains, dewatering of existing mains, cutting and plugging of existing mains, salvaging of all existing valves to be abandoned, removal of existing pipe and/or fittings, pipe, fittings, valves, saddles, flushing, disinfection by swabbing of the pipe as required, installation of sleeves and other connecting pipe and fittings (with joint restraints), pressure testing, and any other operations required to make the connection complete.

C. Contractor shall maintain service to all homes during the installation and testing of new mains.

D. The "cut out" of an existing section of pipe as required for vertical or horizontal adjustments shall be paid under this item.

3.35 DIP FITTINGS – Bid Item No. W-14

A. The per ton unit price bid for this item shall be full compensation for all materials, labor and equipment for furnishing, installing all fittings, including restraint glands, bolts, nuts, gaskets, and all other appurtenances for fittings.

All certified shipping weight slips for fittings shall be supplied by the CONTRACTOR to the City prior to payment being made for this item.

3.36 FIRE HYDRANT ASSEMBLY – Bid Item No. W-15

A. Payment for furnishing and installing a fire hydrant assembly shall include full compensation for all labor, materials, flushing, testing, and equipment to furnish and install the proposed fire hydrants, including the 8-inch x 6-inch tee, 6-inch gate valve and valve box, required fittings, 6-inch ductile iron pipe and pipe restraints in accordance with the plans and specifications. This item also includes painting of the fire hydrant with reflectable paint. (See Appendix A, Approved

Materials List)

3.37 CONNECT EXISTING FIRE HYDRANT TO NEW MAIN – Bid item No. W-16

A. Payment for connecting new mains to existing fire hydrants systems/pipes shall be made on a unit price basis per each connection. Payment under this item shall include full compensation for cutting, adjusting, connecting, removing, flushing, testing, and all other necessary activities required to connect the proposed water system improvements to the existing water system/pipes as indicated on the plans. This item also includes painting of the fire hydrant with reflectable paint. (See Appendix A, Approved Materials List)

3.38 PIGGING AND TESTING 8" & 12" DIP WATER MAIN (INCL. FILL & FLUSH ASSEMBLIES) - Bid Item No. W-17

A. The Lump Sum price bid for this item shall be full compensation for all labor, materials and equipment for pigging and testing each section of the 8" & 12" DIP water main. This shall include furnishing and installing fill & flush assembly(s), valves, meters, corporation stops, pig devices, and additional fittings (e.g. pigging wyes) required for filling, flushing and disinfecting the water main. The fill and flush assembly shall be removed by the Contractor after the water main is cleared and in service.

3.39 SAMPLE POINTS - Bid Item No. W-18

A. Payment for this item will be made at the contract unit price per each sample point installed and accepted. Payment shall constitute full compensation for all necessary labor, equipment, testing, and materials required to complete the work as indicated on the plans, and/or required by Palm Beach County Health Department. Also included is removing and plugging the sample points after the water system is approved for service.

3.40 SHORING AND SHEETING COMPLETE – Bid item No. W-19

A. The Lump Sum bid price for this item shall be full compensation of labor, equipment, and materials for all work required to furnish and install the shoring and sheeting or other approved trench safety measures for the installation of the water main system and appurtenances. All shoring and sheeting calculations and drawings must be signed and sealed by a Professional Engineer registered in the State of Florida at no additional cost to owner. Payment for this item shall be on a Lump Sum Basis and shall be paid in increments in proportion to the water main work completed. Contractor is to provide breakout cost for each item and fully complete Form B-10.

3.41 DEWATERING OPERATION COMPLETE - Bid Item No. W-20

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the water main work completed. The contract lump sum price shall include full compensation for providing a complete dewatering system and shall include all labor, equipment, and materials for the dewatering operation for the installation of the water main system. This item includes a stilling basin, pump noise mitigation, providing and maintaining floating turbidity barriers at all storm sewer outfalls, and other required dewatering appurtenances. Dewatering pumps shall have mitigation measures to reduce the noise level to less than 60 dBA measured at the base of residential structures. Contractor is to provide breakout cost for each item.

3.42 BY-PASS PIPING & MAINTENANCE OF WATER SYSTEM TO MAINTAIN WATER SERVICE TO PRIVATE PROPERTY – Bid No. W-21

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the water main work completed. The contract lump sum shall include full compensation for all labor, materials and equipment for providing bypass piping to maintain water

services operation to private property during the installation of the new water main system. This item also includes removal of the Bypass piping system after the new water main system is complete, accepted and cleared for service. Contractor is to provide breakout cost for each item. The bypass piping system and appurtenances shall meet Palm Beach County Health Department standards. All materials used shall be in accordance with the City's Approved Materials List as contained in Appendix A.

SANITARY SEWER

3.43 8" PVC SDR 26 SANITARY SEWER PIPE - Bid Item No. S-1, S-2, S-3

A. The quantity of 8" PVC SDR 26 sanitary sewer pipe shall be the lineal feet measured of the completed sewers, taken along a horizontal projection of the centerline of the sewers from centerline to centerline of the manholes. The depth shall be measured from top of manhole rim to invert at pipe.

B. Payment for furnishing and installing 8" PVC SDR 26 sanitary sewer pipe shall be made at the contract unit price per lineal foot of the pipe and shall include all necessary labor, equipment, and materials for furnishing and laying of the pipe, dewatering, excavation of any type material including rock, excavation and removal of muck and organic materials, backfilling, compacting, testing, lamping, fittings, wyes, restoration, clean-up, and any appurtenant items for a complete and accepted system.

3.44 10" PVC SDR 26 SANITARY SEWER PIPE – Bid item No. S-4

A. The quantity of 10" PVC SDR 26 sanitary sewer pipe shall be the lineal feet measured of the completed sewers, taken along a horizontal projection of the centerline of the sewers from centerline to centerline of the manholes. The depth shall be measured from top of manhole rim to invert at pipe.

B. Payment for furnishing and installing 10" PVC SDR 26 sanitary sewer pipe shall be made at the contract unit price per lineal foot of the pipe and shall include all necessary labor, equipment and materials for furnishing and laying of the pipe, dewatering, excavation of any type material including rock, excavation and removal of muck and organic materials, backfilling, compacting, testing, lamping, fittings, wyes, restoration, clean-up, and any appurtenant items for a complete and accepted system.

3.45 18" PVC SDR 26 SANITARY SEWER PIPE WITH 24" STEEL CASING AND SPACERS– Bid item No. S-5

A. The quantity of 18" PVC SDR 26 including 24" steel casing sanitary sewer pipe shall be the lineal feet measured of the completed sewers, taken along a horizontal projection of the centerline of the sewers from centerline to centerline of the manholes. The depth shall be measured from top of manhole rim to invert at pipe.

B. Payment for furnishing and installing 18" PVC INCLUDING SDR 26 including 24" steel casing pipe and spacers shall be made at the contract unit price per lineal foot of the pipe and shall include all necessary labor, equipment, and materials for furnishing and laying of the casing pipe, installing the sanitary sewer pipe and spacers, connections to existing pipe, dewatering, excavation of any type including rock, excavation and removal of muck, backfilling, compacting, testing, fittings, wyes, restoration, clean-up, and any appurtenant items for a complete and accepted system.

3.46 15" PVC SDR 26 SANITARY SEWER PIPE – Bid item No. S-6

A. The quantity of 15" PVC SDR 26 sanitary sewer pipe shall be the lineal feet measured of the completed sewers, taken along a horizontal projection of the centerline of the sewers from

centerline to centerline of the manholes. The depth shall be measured from top of manhole rim to invert at pipe.

B. Payment for furnishing and installing 15" PVC SDR 26 sanitary sewer pipe shall be made at the contract unit price per lineal foot of the pipe and shall include all necessary labor, equipment and materials for furnishing and laying of the pipe, dewatering, excavation of any type material including rock, excavation and removal of muck and organic materials, backfilling, compacting, testing, lamping, fittings, wyes, restoration, clean-up, and any appurtenant items for a complete and accepted system.

3.47 DUCTILE IRON PIPE - Bid Item No. S-7, S-8, S-9

A. Payment for epoxy lined ductile iron sanitary sewer pipe as specified shall be determined by the number of lineal feet of each size of pipe installed, in place, completed and approved. The footage shall be the horizontal distance measured along the surface of the trench between the centerlines of connecting or branch mains. The depth shall be measured from top of manhole rim to invert at pipe.

B. The unit price bid per foot under this item shall be full compensation for providing all labor, equipment, and materials for excavation, special pipe bedding material, furnishing and laying the pipe, temporary plugs, de-watering, backfilling, restraining devices, compaction, testing, restoration, clean-up and other appurtenances required to complete construction of the sanitary sewer main.

3.48 SANITARY MANHOLE – Bid Item No. S-10, S-11, S-12

A. The number of sanitary manholes shall be determined by the actual number of manholes constructed, complete and accepted. The depth shall be measured from the top of the manhole rim to the lowest invert.

B. Payment for installing sanitary manholes shall be made at the contract unit price per each structure installed and accepted. The Contract Unit Price shall include compensation for all labor, material and equipment, and all earth excavation, bedding material, installation, backfill, compaction, masonry work, coatings, clean-up necessary to install the sanitary manholes in accordance with the plans and specifications.

3.49 REHABILITATE EXISTING SEWER MANHOLES – Bid item No. S-13

A. The number of sanitary manholes shall be determined by the actual number of manholes rehabilitated in place.

B. Payment for rehabilitating sanitary manholes shall be made at the contract unit price per each structure rehabilitated and accepted. The Contract Unit Price shall include compensation for all labor, material and equipment for replacing, frames and covers, repairing/reconstructing invert channels and benches, masonry work and concrete reinforcing, as needed, coating interior surfaces with Sewpercoat PG, restoration, clean-up necessary to rehabilitate the sanitary manholes in accordance with the plans and specifications.

3.50 CONSTRUCT SEWER LATERALS - Bid Items No. S-14

A. The number of sewer laterals with clean-outs will be determined by the number of units installed and accepted.

B. Payment for furnishing and installing 6" sewer lateral services and clean-outs will be made at the contract unit price for each sewer lateral connection and clean-out installed and accepted. The Contract Unit Price will include compensation for all labor, material and equipment, required to install the new sewer service and clean-out from the proposed sanitary sewer to the right-of-

way line, all in accordance with the plans and specifications. Payment will also include full compensation for providing all labor, equipment, & materials for excavation, backfilling, fittings and other appurtenances necessary to complete the sewer lateral service installation and connection at the right-of-way line.

3.51 CONNECT TO EXISTING SEWER MAIN INCL. FERNCO COUPLINGS – Bid item No. S-15

A. Payment for connecting to existing sewer systems/pipes shall be made on a lump sum basis per each connection. Payment under this item shall include full compensation for all labor, equipment, & materials for cutting, adjusting, connecting, removing, and all other necessary activities required to connect the proposed sewer system improvements to the existing sewer system/pipes as indicated on the plans.

3.52 SHORING AND SHEETING COMPLETE – Bid item No. S-16

A. The Lump Sum bid price for this item shall be full compensation of labor, equipment, & materials for all work required to furnish and install the shoring and sheeting or other approved trench safety measures for the installation of the sanitary sewer system and appurtenances. All shoring and sheeting calculations and drawings must be signed and sealed by a Professional Engineer registered in the State of Florida at no additional cost to the owner.

Payment for this item shall be on a Lump Sum Basis and shall be paid in increments in proportion to the sewer work completed. Contractor is to provide breakout cost for each item.

3.53 DEWATERING OPERATION COMPLETE - Bid Item No. S-17

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the sewer work completed. The contract lump sum price shall include full compensation for providing a complete dewatering operation for the installation of the sanitary sewer system. This item includes all labor, equipment, & materials for a stilling basin, pump noise mitigation, providing and maintaining floating turbidity barriers at all storm sewer outfalls and other required dewatering appurtenances. Dewatering pumps shall have mitigation measures to reduce the noise level to less than 60 dBA measured at the base of residential structures. Contractor is to provide breakout cost for each item and fully complete form B-10.

3.54 BY-PASS PUMPING COMPLETE - Bid Item No. S-18

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the sewer work completed. The contract lump sum price shall include full compensation for providing all labor, materials and equipment required for the bypass pumping operation for the installation of the sanitary sewer system. Contractor is to provide breakout cost for each item.

STORM DRAINAGE

3.55 DRAINAGE STRUCTURES - Bid Item No. D-1

A. The number of drainage inlets shall be determined by the number of units installed and accepted.

B. Payment for furnishing and installing drainage catch basin structures shall be made at the contract unit price per each structure installed and accepted. The Contract Unit Price shall include compensation for all labor, material and equipment required to install the type drainage structures, frames, grates and appurtenances in accordance with the plans and specifications.

3.56 DRAINAGE STRUCTURES - Bid Item No. D-2, D-3, D-4, D-5, D-5A

A. The number of drainage Junction Boxes shall be determined by the number of units installed and accepted.

B. Payment for furnishing and installing various sizes of square and rectangular drainage junction box structures shall be made at the contract unit price per each structure installed and accepted. The Contract Unit Price shall include compensation for all labor, material and equipment required to install the square & rectangular drainage junction boxes, castings, lids and appurtenances in accordance with the plans and specifications.

3.57 REINFORCED CONCRETE PIPE - Bid Items No. D-6, D-7, D-8, D-9, D-10, D-10A, D-11, D-12, D-13

A. The quantity of reinforced concrete pipe shall be determined by the lineal feet of pipe installed and accepted. Measurement shall be along the horizontal centerline of the pipe from inside face of structure to inside face of structure.

B. Payment for furnishing and installing reinforced concrete pipe (Class III) of the various sizes shall be made at the contract unit price per linear foot of the pipe and shall include all necessary labor, equipment, and materials for furnishing and laying of the pipe, excavation, backfilling, compacting and appurtenances in accordance with the plans and specifications, including restoration and clean-up.

3.58 4'x6' BOX CULVERT – Bid Items No. D-14

A. The quantity of concrete box culvert shall be determined by lineal feet of culvert installed and accepted. Measurement shall be along the horizontal centerline of the pipe from inside face of structure to existing pipe.

B. Payment for furnishing and installing reinforced concrete culvert of the various sizes shall be made at the contract unit price per linear foot of the pipe and shall include all necessary labor, equipment, and materials for furnishing and installing of the box culvert, excavation, backfilling, compacting and appurtenances in accordance with the plans and specifications, including restoration and clean-up.

3.59 FDOT INDEX 280 CONNECTION W/ COLLAR – Bid item No. D-15

A. The quantity of FDOT INDEX 280 Connections shall be determined by the number of the connections made and accepted.

B. Payment for connecting inlet drainage pipes (15" & 18") to main drainage lines shall be made at the contract unit price per connection and shall include all necessary labor, equipment and materials for furnishing, laying and connecting of the connecting inlet drainage pipes, cutting and fitting of the main drainage line, concrete collars, backfilling and associated appurtenances in accordance with the plans and specifications.

3.60 POLLUTION CONTROL DEVICE (PCD) - Bid Item No. D-16

Payment for furnishing & installation of pollution control device (PCD) shall be made at the contract lump sum price per each structure installed and accepted. The lump sum price shall include compensation for all labor, materials and equipment, and all earthwork, dewatering, providing and maintaining floating turbidity barriers at all storm sewer outfalls, shoring, sheeting, bedding material, backfill, concrete work, metal work, manhole frames and covers, internal hardware, masonry, compaction, cleaning and restoration necessary to install the PCD in accordance with the plans and specifications, complete and accepted. Contractor is to provide breakout cost for each item. The shoring and sheeting for this bid item shall also be shown on

Form B-10.

3.61 CONNECT TO EXISTING DRAINAGE SYSTEM/PIPES - Bid Item No. D-17

A. Payment for connecting to existing drainage systems/pipes shall be made on a lump sum basis for all connections. Payment under this item shall include full compensation of all labor, equipment, & materials for cutting, adjusting, connecting, concrete collars, removing, and all other necessary activities required to connect the proposed drainage system improvements to the existing drainage system/pipes as indicated on the plans. The Contractor is to provide breakout cost for each item.

3.62 DEWATERING OPERATION COMPLETE W/ SILT & TURBIDITY SCREENS - Bid Item No. D-18

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the drainage work completed. The contract lump sum price shall include full compensation for providing a complete dewatering operation for the installation of the storm drainage system. This item includes all labor, equipment, & materials for a stilling basin, pump noise mitigation, providing and maintaining floating turbidity barriers at all storm sewer outfalls and other required dewatering appurtenances. Dewatering pumps shall have mitigation measures to reduce the noise level to less than 60 dBA measured at the base of residential structures. Contractor is to provide breakout cost for each item.

3.63 DESILT EXISTING DRAINAGE SYSTEM COMPLETE – Bid Item No. D-19

A. The Lump Sum bid price for this item shall be full compensation of all labor, equipment, & materials for all work required to desilt the existing drainage system (50 ft each way from connection point including appurtenances) and the new drainage system and appurtenances prior to turn over to the City. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the drainage work completed. Contractor is to provide breakout cost for each item.

3.64 SHORING & SHEETING COMPLETE – Bid Item No. D-20

A. The Lump Sum bid price for this item shall be full compensation of labor, equipment, & materials for all work required to furnish and install the shoring and sheeting or other approved trench safety measures for the installation of the storm drainage system and appurtenances. All shoring and sheeting calculations and drawings must be signed and sealed by a Professional Engineer registered in the State of Florida at no additional cost to the owner. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the drainage work completed. Contractor is to provide breakout cost for each item and fully complete Form B-10.

3.65 BY-PASS PUMPING COMPLETE - Bid Item No. D-21

A. Payment for this item shall be made at the Lump Sum basis and shall be paid in increments in proportion to the drainage work completed. The contract lump sum price shall include full compensation for providing all labor, materials and equipment required for the bypass pumping operation for the installation of the storm drainage system. Contractor is to provide breakout cost for each item.

3.65A UNDERPIN EXISTING STRUCTURES – Bid Item D-22

A. Payment for this item shall be made on a Lump Sum basis and shall include full compensation for providing all labor, materials and equipment required to underpin existing structures as

specified in the Ardaman and Associates report (see Appendix E).

3.65B ADDITIONAL DOUBLE OR SINGLE HELIX PIERS – Bid Item Nos. D-23 and D-24

A. Payment for these items shall be paid for on a per unit basis and shall include full compensation for providing all labor, equipment and materials required to install additional double or single helix piers as may be directed by Ardaman and Associates during the construction.

LIGHTING

3.66 LIGHTPOLE AND LUMINARIES – Bid Item No. E-1 and E-1A

A. Payment for this item shall be made at the contract unit price (each) per lighting pole with luminaire installed, in place, completed and accepted by the City. The contract unit price shall include full compensation for all permitting, labor, equipment, materials, excavation, installation of pole, fixture, lamp, concrete base, hand-holes, conduits, wire & terminations, hardware, backfill, trimming existing trees and all appurtenances necessary to install new decorative lighting in accordance with the plans, specifications and at the direction of the ENGINEER. This item shall also include restoration of sod in kind damaged due to installation of light poles.

3.67 TRENCH 1-2" CONDUIT (PVC SCH. 40) & WIRE – Bid Items No. E-2

A. The quantity of wire and conduit shall be determined by measurement of the units (linear foot) installed and accepted by the City. Payment for this item shall be made at the contract unit price per linear foot (LF) of required conduit, pull strings, and wire installed, in place, completed and accepted by the City.

The contract unit price shall include full compensation for all permitting, labor, equipment, materials, open cut conduit, conduit, wire, hardware, backfill and all appurtenances necessary to install conduit (by trenching methods and hand digging methods) and wire in accordance with the plans, as specified herein or as directed by the ENGINEER, except for any wire and conduit to be specifically included in the cost of other work under the Contract.

3.68 PULL BOXES – Bid Item No. E-3

A. Payment for this item shall be made at the contract unit price (each) per pull box installed, in place, completed and accepted by the City. The contract unit price shall include full compensation for all permitting, labor, equipment, materials, excavation and/or trenching, pull box, ground rod, hardware, backfill and all appurtenances necessary to install pull boxes in accordance with the plans, specifications and at the direction of the ENGINEER.

3.69 ELECTRIC SERVICE STATIONS COMPLETE – Bid Item No. E-4

A. Measurement and payment for furnishing and installing the complete electric service stations equipment required for the lighting system shall be paid on a Unit Price Basis for each electrical service station installed and accepted. This item includes compensation for all permitting, labor, equipment, and materials.

3.70 REMOVE CITY POLES/FIXTURES – Bid Item No. E-5

A. Payment for this item shall be made on a Unit Price Basis. The contract unit price shall include full compensation for all labor, materials and equipment required to remove existing City poles, guy wires and fixtures including overhead and underground conduits and wires in accordance

with the detail drawings and specifications.

B. The Contractor shall maintain the existing street lighting poles and existing streetlight fixtures in a fully operable condition until the new lighting system is installed and fully operational. All street light outages in the project area shall be repaired by the Contractor within 24hours of notification at no additional cost to the City.

3.71 REMOVE FPL POLES AND FIXTURES AND FPL FIXTURES – Bid Item No. E-6 and E-7

A. Payment for these items shall be made on a Unit Price Basis. The contract unit price shall include full compensation for all labor, materials and equipment required to remove the FPL poles, guy wires and fixtures, overhead and underground conduits and wires in accordance with the detail drawings and specifications.

B. The Contractor shall maintain the existing street lighting poles and existing streetlight fixtures in a fully operable condition until the new lighting system is installed and fully operational. All street light outages in the project area shall be repaired by the Contractor within 24hours of notification at no additional cost to the City.

LANDSCAPING

3.73 LANDSCAPING – Bid Item No. L-1 (Live Oaks)

A. Payment for this item shall be made on a Unit Price Basis. The contract unit price shall include full compensation for furnishing, installing and staking the Live Oaks. Contractor is to provide breakout cost for each item.

B. The contract unit price shall include compensation for labor, materials, and equipment required to furnish and install the landscape material in accordance with the drawings and specifications. This item also includes required tree root protection barrier and six months of watering by use of a watering truck (3) times per week.

3.74 LANDSCAPING – Bid Item No. L-2 (Dahoon Hollies)

A. Payment for this item shall be made on a Unit Price Basis. The contract unit price shall include full compensation for furnishing, installing and staking the Dahoon Hollies. Contractor is to provide breakout cost for each item.

B. The contract unit price shall include compensation for labor, materials, and equipment required to furnish and install the landscape material in accordance with the drawings and specifications. This includes required tree root protection barrier and six months of watering by use of a watering truck (3) times per week.

3.75 LANDSCAPING – Bid Item No. L-3 (Green Malayan Coconut Palms)

A. Payment for this item shall be made on a Unit Price Basis. The contract unit price shall include full compensation for furnishing, installing and staking the Green Malayan Coconut Palms. Contractor is to provide breakout cost for each item.

B. The contract unit price shall include compensation for all labor, materials, and equipment required to furnish and install the landscape material in accordance with the drawings and specifications. This item includes required tree root protection barrier and six months of watering by use of a watering truck (3) times per week.

ALLOWANCES

3.76 CONTINGENCY ALLOWANCE FOR UNFORESEEN CONDITIONS OR ADDITIONAL WORK – Bid Item No. A-1

A. Included in this allowance is all work associated with unforeseen utility and other unforeseen conditions, conflict resolutions, utility repair work, or other work not within the original scope of work as bid. Contractor shall obtain prior written approval from Owner prior to the expenditure of such funds and Contractor shall be required to furnish documentation evidencing expenditures charged to contingency and/or allowances prior to the release of such funds by Owner.

This contingency allowance is not for the use by the Contractor to cover short falls in the Contractor's bid amount.

All work authorized for payment will be authorized in writing by the OWNER. The OWNER reserves the right to award any, all or none of the money associated with this allowance. Also see Sub-Section 1.04 of Part 1 of Section 01040 and General Conditions GC for additional requirements.

3.77 SOFT DIGS – Bid Item No. A-3

A. Payment for this allowance item shall be made on a Unit Price Basis per location. This allowance is for the direct reimbursement cost of a locating service subcontractor's invoiced cost.

Under the direction of the Engineer, the Contractor is to verify location and elevation of all existing utility conflicts and crossings as needed by soft digging the locations using "GroundHound" or another similar licensed locating service in the project area before proceeding with construction. No costs for labor, equipment or markup by the contractor will be allowed.

3.78 FLOWABLE FILL – Bid Item No. A-4

A. This allowance is for the direct reimbursement cost of all flowable fill used throughout the project where directed by Engineer. No costs for labor, equipment or markup by the contractor will be allowed.

END OF SECTION