

TOWN OF SOUTHWEST RANCHES, FLORIDA
DRAINAGE IMPROVEMENTS FOR SW 202ND AVENUE AND SW 50TH STREET

**APPENDIX B
BID SCHEDULE -UPDATED**

The undersigned hereby proposes to furnish all labor, equipment and materials necessary to complete the work in strict accordance with the Contract Documents, schedules and plans, and all addendums, if issued, for the lump sum price shown below.

<u>Item No.</u>	<u>Item</u>	<u>Unit</u>	<u>Qty.</u>	<u>Unit Price</u>	<u>Price</u>
1.	Mobilization	LS	1	\$	\$
2.	Install 15" HDPE	LF	16	\$	\$
3.	Install 18" HDPE	LF	503	\$	\$
4.	Install Type "C" Catch Basin	EA	2	\$	\$
4A.	Install Type "D" – 37" x 49" Catch Basin	EA	1	\$	\$
5.	Install 5' Diameter Catch Basin	EA	1	\$	\$
6.	Install Yard Drain	EA	1	\$	\$
7.	Install Pollutant Retardant Baffle	EA	1	\$	\$
8.	Install 18" Flap Gate	EA	1	\$	\$
9.	Install Rip-Rap Headwall	EA	1	\$	\$
10.	Construct Roadside Swale	LF	450	\$	\$
11.	Pavement Restoration	SY	135	\$	\$
12.	Install Concrete Apron	EA	5	\$	\$
13.	Restoration	LS	1	\$	\$
14.	Erosion/Pollution Control	LS	1	\$	\$
15.	Maintenance of Traffic	LS	1	\$	\$
Total Lump Sum Bid Price				\$	

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ITEM NOTES

GENERAL

All Items listed in the Bid Schedule shall be considered as sufficient to complete the work in accordance with the plans and specifications. Any portion of the work not listed in the Bid Schedule shall be deemed to be a part of the item which it is associated with and shall be included in the cost of the unit shown on the Bid Schedule and the total lump sum price for the project. Payment for the units shown on the Bid Schedule shall be considered to include the furnishing of all labor, equipment, materials and testing necessary to complete the work in place.

The contract for this project is a lump sum contract. Unit prices shall be used for the purposes of bid evaluation, progress payments and to determine the cost of change orders resulting from changes to the design.

The Bidder/Contractor is responsible to verify all quantities listed in the Bid Schedule. The field measurement of quantities will not affect the lump sum contract price.

ITEM 1 - MOBILIZATION

The work covered by this item shall include, but not be limited to, the mobilization of Contractor's personnel, equipment and supplies to the project site; the establishment of the Contractor's staging area, temporary facilities, grading, securing, and restoration of staging area; pre-work inspection and documentation; and all other costs incurred for activities which must be performed prior to beginning the work under this contract; and the removal of the Contractor's equipment, supplies, excess materials, and cleanup of the construction site, as needed to complete the work. The staging area for this project shall be limited to the right-of-way for SW 202nd Avenue and SW 50th Street. The Contractor shall obtain approval from private property owners for the locations of all staging areas or construction traffic access routes, beyond those areas identified in the contract documents.

ITEM(S) 2 and 3– INSTALL 15” HDPE and 18” HDPE

The work covered by this item shall include the complete, in-place installation of the 15”, or 18” High Density Polyethylene Pipe (HDPE) in accordance with the contract documents including, but not limited to, materials, shop drawings, surveying, excavation, dewatering, trench stabilization, protection of existing utilities/irrigation lines, bedding, backfill, grading, compaction, testing, lamping, and restoration, as needed to complete the work. In addition, the work covered by this item shall also include the removal of the existing concrete slab; the removal and re-installation of existing signage, as needed; and the removal of landscaping features, and other debris that may be within the limits of construction to afford construction of the proposed drainage pipe, structures, headwall or associated swale grading as needed to complete the work. This item shall also include the proper disposal of all materials offsite to an approved location in accordance with contract documents. The

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following density tests shall be required: a total of six (6) tests per lift per pipe run for the backfill material outside the limits of the pavement.

ITEM(S) 4 & 5– INSTALL TYPE “C”, Type “D”, or 5-FOOT DIAMETER DRAINAGE STRUCTURE(S)

The work covered by this item shall include the complete, in-place installation of the Type “C”, Type “D”, or 5-Foot Diameter Drainage Structure(s) in accordance with contract documents and technical specifications including, but not limited to, materials, shop drawings, pre-casting, frame and cover, concrete collar/top slab, surveying, excavation, dewatering, trench stabilization, protection of existing utilities/irrigation lines, bedding, leveling, grouting, brick, mud work, testing, inspections, and as-built as needed to complete the work. A 12” wide concrete apron to be provided for each structure.

ITEM 6 – INSTALL YARD DRAIN

The work covered by this item shall include the complete, in-place installation of the 15” yard drain in accordance with contract documents and technical specifications including, but not limited to, materials, shop drawings, grate, riser, concrete collar, surveying, excavation, dewatering, trench stabilization, protection of existing utilities/irrigation lines, bedding, leveling, grouting, mud work, testing, inspections, and as-built as needed to complete the work. The yard drain shall be a 15” heavy duty drain basin as manufactured by Nyoplast, O.A.E.

ITEM 7 – INSTALL POLLUTANT RETARDANT BAFFLE (PRB)

The work covered by this item shall include the complete, in-place installation of an aluminum PRB in accordance with contract documents and technical specifications including, but not limited to, materials, shop drawings, pre-fabrication, neoprene gasket, stainless steel mounting hardware, surveying, dewatering, plugging, leveling, grouting, brick, mud work, testing, inspections, and as-built as needed to complete the work. The PRB shall be installed in CB # 1 as per the approved construction plans.

ITEM 8 – INSTALL 18” FLAP GATE

The work covered by this item shall include the complete, in-place installation of a 18” flap gate in accordance with contract documents and technical specifications including, but not limited to, materials, shop drawings, neoprene gasket, stainless steel mounting hardware, surveying, dewatering, plugging, leveling, grouting, brick, mud work, testing, inspections, and as-built as needed to complete the work. The flap gate shall be an 18” Fresno Flap Gate, Series 6000, Model 10C, O.A.E., and shall be installed in CB # 4 as per the approved construction plans.

ITEM 9 – INSTALL RIP-RAP HEADWALL

The work covered by this item shall include the complete, in-place installation of the rip-rap headwall in accordance with the contract documents including, but not limited to

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materials, shop drawings, surveying, excavation, dewatering, bedding, backfill, grading, brick, mud work, compaction and restoration as needed to complete the work. The work covered by this item also includes the excavation of a channel 10' out in front of the headwall for a width of 8' centered on the pipe opening. The channel depth shall be a minimum of 12" below the pipe invert.

ITEM 10 – CONSTRUCT ROADSIDE SWALE

The work covered by this item shall include the complete, in-place construction of the roadside swale in accordance with the contract documents including, but not limited to materials, surveying, excavation, grading, sloping, compaction, sod, temporary watering, and as-built as needed to complete the work.

ITEM 11 – PAVEMENT RESTORATION

The work covered by this item shall include the complete, in-place restoration of the asphalt pavement in accordance with the contract documents including, but not limited to, materials, surveying, excavation, backfill, subgrade, lime rock base, asphaltic concrete, grading, compaction testing, and pavement striping. The following density tests shall be required: two (2) tests each for the subgrade and lime rock base materials at the roadway crossing (total of 4 tests).

ITEM 12 – INSTALL CONCRETE APRON

The work covered by this item shall include the complete, in-place installation of a 12" wide concrete apron around all drainage structures in accordance with the contract documents including, but not limited to materials, shop drawings, surveying, excavation, backfill, grading, compaction, formwork, concrete, and restoration as needed to complete the work.

ITEM 13 – RESTORATION

The work covered by this item shall include the complete restoration of the project limits in accordance with the contract documents including, but not limited to, materials, surveying, backfill, top soil, swale grading, removal of excess fill, compaction, sod, and temporary watering as needed to complete the work. This work item shall also include the complete restoration of the fence(s), mailbox(s), signage, entry gate call box(es), and landscape feature(s) in accordance with the contract documents including, but not limited to, surveying, excavation, backfill, grading, compaction, testing, saw cutting, forming, steel reinforcement, concrete, inspections, and as-built as needed to complete the work.

ITEM 14 - EROSION/POLLUTION CONTROL

- A. The work covered by this item shall include, but not be limited, to all actions, installations, precautions and measures necessary to comply with all applicable

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government regulations related to the erosion of soil or vegetation or impacts on the water quality of any body of water.

- B. This item shall include all costs and measures necessary to comply with all dewatering regulations.
- C. This item shall include sweeping and otherwise cleaning the haul routes including dust control.
- D. The Contractor shall utilize, as appropriate, silt fences, turbidity barriers, best management practices and other necessary measures to control erosion as specified in Florida Department of Transportation Standard Index Nos. 102 and 103.
- E. The Contractor shall include the installation of Mirafi filter fabric at all inlets as indicated on the construction plans.

ITEM 15 – MAINTENANCE OF TRAFFIC

The work covered by these items shall include, but not be limited to the preparation, set-up, and implementation of a Maintenance of Traffic Plan. This shall apply to any proposed lane closures as required to perform and complete the work.

The Contractor shall be required to submit a Maintenance of Traffic (MOT) Plan to SBDD, Broward County Traffic Engineering Division (BCTED) and the Town of Southwest Ranches for approval, prior to starting the work, as applicable.

This item shall include any flag persons, signage, barricades, barriers, traffic plates or other provisions that are required to meet the requirements for the MOT. If necessary, the Contractor shall employ the services of a registered professional engineer to prepare the MOT Plan and/or assist in the Contractor in the implementing the MOT Plan.

The Contractor shall ensure that one lane of traffic is open at all times on SW 50th Street and SW 202nd Avenue during working hours; and that roadways are fully open overnight and on weekends. In addition, the Contractor shall ensure that homeowners shall have proper ingress and egress access to their properties during the full duration of the project.