



Town of Southwest Ranches  
13400 Griffin Road  
Southwest Ranches, FL 33330

## Addendum 1

### IN RESPONSE TO

### **SOUTHWEST RANCHES GREEN MEADOWS DRAINAGE MITIGATION IFB No. 20-004**

#### Questions & Answers

Q: What is the budget for this project?

A: The budget for the project is \$190,000.

Q: Are we are just quoting the "Clouded" Section for Phase 1?

A: Yes.

Q: What is the engineer's estimate for this project?

A: Attached.

Q: The criteria that bidders must meet to qualify for the project, specifically sections 1.4, 1.9, 2.9, 2.15, 2.18, 2.25, and 5.10; do not specify the license information. Is a license for underground engineering and paving qualified?

A: T. A Florida Certified Underground Utility & Excavation Contractor's license may be included within the requirements for services sought in the IFB. Additionally, Contractor shall comply with all applicable laws, regulations and ordinances of any Federal, State, or Local Governmental authority having jurisdiction with respect to the IFB and any Contract awarded. The successful Contractor shall obtain and maintain any and all material permits, licenses, approvals and consents necessary for the lawful conduct of the activities contemplated within the IFB. Contractor shall be required to furnish a certified copy of all licenses, certificates of competency or other licensure requirements necessary to practice his profession as required by Florida Statutes, Florida Building Code, Broward County, or Town of Southwest Ranches Code.

Q: Can we use headwall instead of sand and cement?

A: Using an equivalent FDOT concrete headwall in lieu of the called out sand cement headwalls is acceptable.



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Q: Can we switch draw basin to a C box?

A: Replacing the A2000 PVC drain basins with FDOT Type C Inlets are acceptable at no additional costs to the owner and no increase in project time. Owner & Engineer are not responsible for addressing constructability issues arising from the use of the larger concrete inlets.

Q: Please confirm if concrete Type C Structures can be used in lieu of item #16 24" drain basins?

A: FDOT Type C inlets can be used at no additional cost.

Q: Please confirm if a precast endwall can be used in lieu of item #19 sand cement headwall?

A: Equivalent FDOT Concrete Endwalls can be used in lieu of the sand cement walls at no additional costs.

Q: Please confirm the size of the drain basins? Per our supplier's comment, since the pipe is 24" the drain basins are required to be a larger size than the pipe such as 30".

A: According to the chart below, 24" A2000 pvc pipe can be used for 24" Drain Basin. Advise owner if A2000 standards have changed.  
Minimum angle for 24" pipes; 82 degrees, Minimum angle for 18" pipes; 70 degrees,  
Minimum angle for 15" pipes; 60 degrees.

**SOUTHWEST RANCHES  
GREEN MEADOWS DRAINAGE IMPROVEMENTS  
ENGINEER'S OPINION OF PROBABLE COST ESTIMATE**

ITEM No	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL
1	Mobilization and Demobilization	5.00%	1	LS	\$ 7,557.85	\$ 7,557.85
2	Maintenance of Traffic	3.00%	1	LS	\$ 4,534.71	\$ 4,534.71
3	Survey Stakeout and As-Builts	3.50%	1	LS	\$ 5,290.50	\$ 5,290.50
4	Density Testing	2.00%	1	LS	\$ 3,023.14	\$ 3,023.14
5	Environmental Compliance	2.00%	1	LS	\$ 3,023.14	\$ 3,023.14
	<b><u>Demolition</u></b>					
6	Clearing and Stripping	2.00%	1	LS	\$ 3,023.14	\$ 3,023.14
7	Remove Existing Storm Sewer Pipes (include existing Endwall where applicable)		15	LF	\$ 28.00	\$ 420.00
	<b><u>Earth/ Road Work</u></b>					
8	Grade Swale Areas (includes cut/fill/hauling material to proposed grade beneath sod & only applies to proposed swale areas. All other green areas are to be restored with costs incorporated into pipe/structure costs)		559	SY	\$ 10.00	\$ 5,590.00
9	Sod Swale (Bahia) Areas w/2" Top Soil to proposed final grade & only applies to proposed swale areas. All other green areas are to be restored with costs incorporated into pipe/structure costs)		559	SY	\$ 7.00	\$ 3,913.00
	<b><u>Drainage Structures (To Include Full Restoration)</u></b>					
10	M-4 Manhole W/USF 580		0	EA	\$ 4,000.00	\$ -
11	M-5 Manhole W/USF 580		0	EA	\$ 4,500.00	\$ -
12	M-4 Manhole W/USF 1120		1	EA	\$ 4,500.00	\$ 4,500.00
13	C-5 Manhole ( 5 x 5) W/USF 580		0	EA	\$ 4,750.00	\$ -
14	M-4 Inlet W/USF 4155-6210		1	EA	\$ 4,000.00	\$ 4,000.00
15	FDOT Type C inlet per Index 232 with 12" Sump & USF 6210 W/12" Concrete Collar x 4" Thick		0	EA	\$ 3,500.00	\$ -
16	24" A2000 PVC Drain Basin w/H-20 Grate & 12" x 4" Thick Conc. Collar		10	EA	\$ 2,295.00	\$ 22,950.00
17	36" A2000 PVC Drain Basin w/H-20 Grate & 12" x 4" Thick Conc. Collar		0	EA	\$ 2,592.00	\$ -
18	Install Fabri Form Concrete Revetment Mat Per SBDD Exhibit 26 (Rework Canal & adjust bank slope in field to suit)		67	SY	\$ 165.00	\$ 11,055.00
19	Sand Cement Headwall for 24" Diameter Culvert Per FDOT Index 258		1	EA	\$ 1,700.00	\$ 1,700.00
20	Sand Cement Headwall for 36" Diameter Culvert Per FDOT Index 258		0	EA	\$ 2,860.00	\$ -
21	Sand Cement Headwall for 42" Diameter Culvert Per FDOT Index 258		0	EA	\$ 4,560.00	\$ -
22	Sand Cement Headwall for 48" Diameter Culvert Per FDOT Index 258		0	EA	\$ 5,510.00	\$ -
	<b><u>Drairage Pipes &amp; Fittings (To Include Full Restoration)</u></b>					
23	15" A2000 PVC		0	LF	\$ 46.00	\$ -
24	18" A2000 PVC		201	LF	\$ 61.00	\$ 12,261.00
25	24" A2000 PVC		841	LF	\$ 98.00	\$ 82,418.00
26	30" A2000 PVC		0	LF	\$ 115.00	\$ -
27	36" A2000 PVC		0	LF	\$ 130.00	\$ -
28	42" Ultra-Flow Aluminized Steel Pipe (14 ga)		0	LF	\$ 180.00	\$ -
29	48" Ultra-Flow Aluminized Steel Pipe (14 ga)		0	LF	\$ 200.00	\$ -
30	Connect Dissimilar Pipes (24")		1	EA	\$ 500.00	\$ 500.00
31	30" CMP Pollution Retardant Baffle (PRB)		1	EA	\$ 550.00	\$ 550.00
32	Connect Existing Pipe to Proposed Structure		1	EA	\$ 1,000.00	\$ 1,000.00
33	18" Stormwater Plug (@ Drain Basin)		0	EA	\$ 250.00	\$ -
34	24" Stormwater Plug (@ Drain Basin)		1	EA	\$ 300.00	\$ 300.00
35	36" Stormwater Plug (@ Drain Basin)		0	EA	\$ 350.00	\$ -
					Subtotal Cost	\$ 176,309.48
				2%	Contingency	\$ 3,690.52
					Total Opinion of Probable Cost Estimate	\$ 180,000.00