www.Estero-fl.gov

COVID-19 NOTICE:

The April 7, 2021 Village Council Meeting will be conducted physically in Council Chambers at Village Hall, 9401 Corkscrew Palms Circle, with an opportunity to participate virtually. The meeting will be broadcasted live via the Village of Estero website link: https://estero-fl.gov/council/watch-meetings-online/. Access in Council Chambers will be limited in order to comply with the safety instructions relating to COVID-19. Please see page 5 of this agenda for further information and instructions for public participation.

AGENDA

VILLAGE COUNCIL MEETING

9401 Corkscrew Palms Circle, Estero, Florida

April 7, 2021 9:30 a.m.

Village Council: *District 1 – Joanne Ribble; District 2 – Larry Fiesel; District 3 – Jon McLain, Vice Mayor; District 4 – Katy Errington, Mayor; District 5 – James Boesch; District 6 – Jim Ward; District 7 – Jim Wilson*

1. CALL TO ORDER

INVOCATION – Pastor John Roth Thrive Community Church

PLEDGE OF ALLEGIANCE

ROLL CALL

2. APPROVAL OF AGENDA, ADDITIONS, AND DELETIONS

3. PUBLIC COMMENT ON NON-AGENDA ITEMS

4. CONSENT AGENDA:

(a) March 24, 2021 Special Council Meeting Minutes
(b) Financial Report February 2021

5. CONSIDERATION OF ITEMS DEFERRED FROM CONSENT AGENDA

6. ACTION ITEMS:

(a) Resolution No. 2021-10 of the Village Council of the Village of Estero, Florida, Approving the Second Budget Amendment for Fiscal Year 2020-2021 to Approve Use of Additional Village Funds and Provide a Funding Transfer for Corkscrew Road/Puente Lane Traffic Signal; and Providing an Effective Date.

Recommended Action: Adopt Resolution No. 2021-10 for Fiscal Year 2020-2021 budget amendment.

Financial Impact: The Corkscrew Road – Puente Lane Traffic Signal Fiscal Year 2020-2021 CIP budget will be increased by $362,788 for a total budgeted amount of $1,155,138.00 (this includes project construction costs plus 10% Contingency).

These costs will be reimbursed by the adjoining property owners through direct payment or property assessment.

(b) Resolution No. 2021-12 of the Village Council of the Village of Estero, Florida, Approving the Third Budget Amendment for Fiscal Year 2020-2021 to Approve Use of Additional Village Funds and Provide a Funding Transfer for Williams Road and Atlantic Gulf Boulevard Intersections Improvements; and Providing an Effective Date.

Recommended Action: Adopt Resolution No. 2021-12 a resolution of the Village Council of the Village of Estero, Florida, Approving the second budget amendment for Fiscal Year 2020-2021 to approve use of additional Village funds and provide funding transfer for Williams Road & Atlantic Gulf Blvd Intersection Improvements; and providing an effective date.

Financial Impact: Williams Road & Atlantic Gulf Blvd Intersection Improvements Fiscal Year 2020-2021 CIP budget will be increased by $275,500 for a total budgeted amount of $575,500 (this includes project design, permitting and project management cost, plus 10% Contingency).

These costs will be reimbursed by the adjoining property owners through direct payment or property assessment.

(c) US 41 Landscape Improvements RFB 2021-02

Recommended Action: Approve award of Request for Bids No. RFB 2021-02, US 41 Landscape Improvements Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard to P & T Lawn and Tractor Service, Inc. at a Grand Total Cost of $118,075.

Also approve a contingency fund amount of $11,800 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the contract and any other related ancillary documents on behalf of the Village of Estero Council.
Financial Impact: $129,875 (Bid Cost of $118,075 plus $11,800 for Contingency.) This funding is below the available grand funds of approximately $134,000.

(d) Williams Road & Atlantic Gulf Drive Intersection Improvement Design Contract – KCA

Recommended Action: Approve award of Supplemental Task Authorization (STA) – 02 Contract EC 2020-61 to KCA under the Village's Misc. Service Contract CN 2020-01 in the amount of $469,099.

Also approve a contingency fund amount of $47,000 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the STA and any other related ancillary documents on behalf of the Village of Estero Council.

Financial Impact:

Fiscal impact is $516,099 which included the contract amount of $469,099 plus a 10% contingency of $47,000.

The Fiscal Year 2020-2021 CIP budget for The Williams Road & Atlantic Gulf Blvd. intersection improvement is $300,000. The proposed Resolution 2021-12 will increase the funds available fund to $575,500.

(e) Williams Road & Atlantic Gulf Blvd. Intersection Improvement Project Management Contract – CW3.

Recommended Action: Approve award of Supplemental Task Authorization (STA) 06 to Contract EC 2020-48 to CW3 Engineering under the Village's Misc. Service Contract CN 2020-01 in the amount of $54,000.

Also approve a contingency fund amount of $5,400 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the STA and any other related ancillary documents on behalf of the Village of Estero Council.

Financial Impact: Fiscal impact is $59,400 which included the contract amount of $54,000 plus a 10% contingency of $5,400.

The Fiscal Year 2020-2021 CIP budget for The Williams Road & Atlantic Gulf Blvd. intersection improvement is $300,000. The proposed Resolution 2021-12 will increase the funds available fund to $575,500.

(f) Village of Estero Water Monitoring Contract - 2021

Recommended Action: Approve award of Supplemental Task Authorization 06 to Contract EC 2020-32 to Johnson Engineering to provide water monitoring services for The Village of Estero for $41,352.

Approve a 10% contingency for additional services that may be required to complete the project.

Authorize the Village Manger to sign the STA and other additional implementing documents within the scope of the STA on behalf of the Village of Estero Council.

Financial Impact:

The project's financial impact is $45,500 ($41,352 plus 10% contingency). This will be funded by the $130,000 included in the Village's Fiscal Year 2020-2021 Annual Budget for water level & water quality monitoring.

7. PUBLIC HEARINGS

(a) Resolution No. 2021-08 a Resolution of the Village of Estero, Florida, Vacating A Portion of a Drainage Easement of That Part of the Plat for Shadow Wood at the Brooks Unit One, According to The Plat Thereof Recorded in Plat Book 61, Page 38, Public Records of Lee County, Florida, Lying and Being in Sections 3 And 10, Township 47 South, Range 25 East, Village Of Estero, Lee County, Florida; and Providing for an Effective Date.

Recommended Action: Approve Resolution No. 2021-08

Financial Impact: None

(b) Resolution No. 2021-09 a Resolution of the Village of Estero, Florida, Vacating A Portion of the Public Utility Easements and Drainage Easements of that Part of the Plat of Lots 9 Through 14, Marshall's Estero River Groves, Unit 1, According to the Plat Thereof as Recorded in Plat Book 12, Page 131, Public Records of Lee County, Florida, Lying and being in Section 28, Township 46 South, Range 25 East, Village of Estero, Lee County, Florida

Recommended Action: Approve Resolution No. 2021-09

Financial Impact: None

8. FIRST READING

(a) Ordinance 2021-03 An Ordinance of the Village Council of the Village of Estero, Florida, Readopting and Correcting Ordinance No. 2021-01 Capital Improvement Element Schedule Update Due to Omission of Two Pages of the Village of Estero Fiscal Year 2020-2021 Capital Improvement Projects in Exhibit A; Providing for Conflict; Providing for Severability; and Providing an Effective Date.

Recommended Action: Pass First Reading and set Second Reading for April 21, 2021 at 9:30 a.m.

Financial Impact: Minor cost of newspaper advertisement.

9. PUBLIC COMMENT ON NON-AGENDA ITEMS

10. COUNCIL COMMUNICATIONS / FUTURE AGENDA ITEMS

11. VILLAGE ATTORNEY'S REPORT

12. VILLAGE MANAGER'S REPORT

Adjourn Regular Session and Convene Workshop Items

13. WORKSHOPS

(a) FGCU Estero River Water Quality Report
(b) Cypress Bend RV Resort Wastewater Treatment Plant

14. ADJOURNMENT

To view and/or participate in the Council Meeting on April 7, 2021, which begins at 9:30 a.m., the following options are available:

1) View the meeting online, but not participate:

You may watch the meeting via the Village of Estero website link: https://estero-fl.gov/council/watch-meetings-online/

2) View the meeting online as indicated above and provide public comment during the meeting by utilizing the eComment Card feature on the Village website: https://estero-fl.gov/ecomment-cards/ Please fill out all required information. Comments received during the agenda item being discussed will be placed into the record.

3) The Council Chambers will be available for public comment, in accordance with social distancing orders. Participants are recommended to wear their own-supplied mask.

For additional information or for special assistance prior to the meeting, please contact Carol Sacco, Village Clerk/Executive Assistant, sacco@estero-fl.gov or 239-221-5035.

If you desire to address the Council, please complete a Public Comment Card and return it to the Village Clerk. Citizens desiring to speak must step up to the podium, state their full name and address, and whom he or she represents.

ADA Assistance – Anyone needing special assistance at the Board meeting due to a disability or physical impairment should contact Village Clerk/Executive Assistant, Carol Sacco, 239-221-5035, at least 48 hours prior to the meeting.

Pursuant to Section 286.0105, Florida Statutes: "If a person decides to appeal any decision made by the board, agency, or commission with respect to any matter considered at such meeting or hearing, he or she will need a recording of the proceeding, and that, for such purpose, he or she may need to ensure that a verbatim recording of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based."

Final Action Agenda/Minutes are supplemented by audio and video recordings of the meetings, as well as transcripts. Video recordings of Village Council meetings from June 8, 2016 forward, as well agendas, staff reports, resolutions, ordinances, and other documents related to the meetings can be viewed online at https://estero-fl.gov/agendas/ at the corresponding meeting date.

DRAFT

FINAL ACTION AGENDA/MINUTES

VILLAGE COUNCIL MEETING

Village of Estero Council Chambers
9401 Corkscrew Palms Circle
Estero, FL 33928
March 24, 2021 9:30 a.m.

1. CALL TO ORDER

INVOCATION: Emeritus Pastor Nolen Rollins Legacy Church

PLEDGE OF ALLEGIANCE: Mayor Errington.

ROLL CALL: Present: Mayor Katy Errington - District 4, Vice Mayor Jon McLain - District 3, Councilmember Larry Fiesel - District 2, Councilmember Jim Boesch - District 5, Councilmember Jim Ward - District 6, and Councilmember Jim Wilson - District 7 (via Zoom). Absent: Councilmember Joanne Ribble - District 1.

Also present: Village Manager Steve Sarkozy, Village Attorney Burt Saunders, Land Use Attorney Nancy Stroud, Deputy Village Manager Kyle Coleman, Community Development Director Mary Gibbs, Public Works Director David Willems, Deputy Village Clerk Tammy Duran, and Village Clerk Carol Sacco.

A motion to approve Councilmember Ribble's absence was made and duly passed.

2. APPROVAL OF AGENDA, ADDITIONS, AND DELETIONS

Motion: Motion to approve agenda with deletion of item 12 and to move 5 to after 7c.

Motion by: Vice Mayor McLain

Seconded by: Councilmember Ward

Action: Approved agenda with deletion of item 12 and to move 5 to after 7c.

Vote: (Roll Call)
Aye: Councilmembers Wilson, Boesch, Fiesel, Ward, Vice Mayor McLain, and Mayor Errington.

Nay:

Abstentions:

3. PUBLIC COMMENT ON NON-AGENDA ITEMS: None.

4. CONSENT AGENDA

(a) March 17, 2021 Council Meeting Minutes

Motion: Motion to approve the Consent Agenda.

Motion by: Councilmember Boesch
Seconded by: Councilmember Fiesel

Action: Approved the Consent Agenda.

Vote: (Roll Call)
Aye: Councilmembers Wilson, Boesch, Fiesel, Ward, Vice-Mayor McLain, and Mayor Errington.

Nay:

Abstentions:

6. CONSIDERATION OF ITEMS DEFERRED FROM CONSENT AGENDA

7. ACTION ITEMS:

(a) Resolution 2021-05 a Resolution of the Village Council of Estero, Florida, Honoring William Ribble and Providing an Effective date.

Public Comments: None.

A motion to approve Resolution 2021-05 was made and duly passed.

(b) Resolution 2021-06 A Resolution of the Village Council of the Village of Estero, Florida; Honoring Howard Levitan, Estero's First Vice Mayor, and Providing an Effective Date.

Public Comments: None.

A motion to approve Resolution 2021-06 was made and duly passed.

(c) Resolution 2021-07 a Resolution of the Village Council of Estero, Florida, Honoring Nicholas Batos Estero's First Mayor, and Providing an Effective date.

Public Comments: None.

A motion to approve Resolution 2021-07 was made and duly passed.

5. Key to City:

- William Ribble – District 1
- Howard Levitan – District 2
- Nicholas Batos – District 6

8. PUBLIC COMMENT ON NON-AGENDA ITEMS:

Jim Gilmartin, ECCL
Bob Lienesch, Shadow Wood

9. COUNCIL COMMUNICATIONS / FUTURE AGENDA ITEMS

Councilmembers Wilson, Boesch, Fiesel, Ward, Vice Mayor McLain, and Mayor Errington.

10. VILLAGE ATTORNEY'S REPORT:

Staff Presentation/Comments:

Burt Saunders, Village Attorney

11. VILLAGE MANAGER'S REPORT:

Staff Presentation/Comments:

Steve Sarkozy, Village Manager

12. WORKSHOP ITEM: DELETED FROM AGENDA

(a) Council Assignments

16. ADJOURNMENT at 10:30 am

ATTEST: VILLAGE OF ESTERO, FLORIDA

By: _____ By: _____

Carol Sacco, Village Clerk Katy Errington, Mayor

(td/CS)

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Financial Report for the month ended February 28, 2021.

Description:

This financial report provides details of operations for the month ending February 28, 2021 which is the fifth month of the 2020-2021 fiscal year. Activity year to date is trending in line with the budget through the first quarter of the fiscal year.

- *Ad valorem (real estate) taxes*: approximately $144,883 was received this month. Collection of ad valorem taxes through February represents 95% of budget, and this collection rate is consistent with collections in 2020.

- *Estero Parkway Improvement Project*: As reported last month, costs of approximately $2.2 million incurred to date will be reimbursed by Lee County in subsequent months, eventually replenishing the fund balance.

- *Reserved Funds:* $5,596,700 in operating reserve funds; $670,000 in litigation deference reserve funds and $148,000 in major road maintenance reserve funds.

- *Debt Reduction Funding*: $6,326,875 has been allocated for Debt Reduction funding.

- *Available funds:* total funds categorized as available are $26,007,017.

Action Requested:

Approve financial report.

Financial Impact:

There is no financial impact of this report.

Attachments:

1. Budget report

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Ad Valorem Taxes	144,883	4,839,776	5,075,000	(235,224)	95%	4,786,312	53,464	5,054,886
Local Communications Srvs Tax	72,912	286,479	891,700	(605,221)	32%	305,470	(18,991)	909,318
Local Business Tax	1,068	3,788	21,900	(18,112)	17%	4,218	(430)	19,624
Franchise Fees-Electric	150,670	683,278	2,130,400	(1,447,122)	32%	568,074	115,203	2,121,895
Franchise Fees-Solid Waste	41,259	41,259	161,100	(119,841)	26%	39,882	1,377	158,137
Rev Sharing Sales tax	48,706	243,530	412,300	(168,770)	59%	244,021	(491)	583,901
Mobile Home License	56	2,057	2,800	(743)	73%	1,777	280	2,809
Alcohol Beverage Tax	-	4,853	32,300	(27,447)	15%	745	4,108	33,987
Half Cent Sales Tax	280,914	961,922	1,919,800	(957,878)	50%	932,623	29,299	2,675,131
Fines & Forfeitures	63	130	500	(370)	26%	341	(211)	920
Interest Income	351	1,333	32,400	(31,067)	4%	144,772	(143,438)	183,392
Rental income	3,000	18,000	36,000	(18,000)	50%	27,000	(9,000)	51,000
Miscellaneous Revenue	-	-	25,000	(25,000)	0%	241	(241)	11,710
Administrative Fee	2,950	9,684	20,000	(10,316)	48%	34,764	(25,079)	54,171
Cost Recovery-Admin Charge	-	4,000	10,000	(6,000)	40%	6,950	(2,950)	14,000
Lee Cty Clerk Recording Fees	-	-	-	-	0%	-	-	5,208
Dev & Zoning-Fixed Fees	9,000	32,926	45,000	(12,074)	73%	20,117	12,809	52,869
Dev & Zoning-Cost Recovery Fee	11,437	40,749	48,800	(8,051)	84%	9,914	30,834	47,619
Planning-Miscellaneous Revenue	5,175	20,965	-	20,965	100%	15,775	5,189	39,860
Code Comp & Contractor License	-	172	7,000	(6,828)	2%	16,407	(16,235)	32,242
Local Option Gas Tax-1-6 Cent	44,209	165,454	432,500	(267,046)	38%	171,870	(6,416)	496,117
ROW Permits	-	500	1,500	(1,000)	33%	650	(150)	2,750
Rev Sharing-Fuel Tax	14,230	71,149	123,400	(52,251)	58%	71,456	(307)	170,815
FDOT US 41 Light Maintenance	-	-	122,080	(122,080)	0%	-	-	118,525
Covid Cares-Covid	-	-	411,600	(411,600)	0%	-	-	42,034
WCIND Marine Patrol Revenue	-	-	11,860	(11,860)	0%	-	-	544
FEMA-Federal Share	-	-	-	-	0%	6,547	(6,547)	6,547
FEMA-State Share	-	-	-	-	0%	(3,273)	3,273	(3,273)
Total Revenues-General Fund	**830,882**	**7,432,006**	**11,974,940**	**(4,542,934)**	62%	**7,406,653**	**25,353**	**12,886,737**
Building Fees	95,932	352,999	979,000	(626,001)	36%	500,219	(147,220)	1,147,131
Surcharge Fee Retained	615	615	3,300	(2,685)	19%	887	(272)	3,329
Convenience Fee	3,023	12,390	15,000	(2,610)	83%	9,879	2,512	28,982
Interest income	15	56	1,000	(944)	6%	1,885	(1,829)	3,051
	-	-	-	-		-	-	-
Total Revenues-Building Fee Fund	**99,585**	**366,061**	**998,300**	**(632,239)**	37%	**512,869**	**(146,808)**	**1,182,493**
Interest Income	104	407	10,000	(9,593)	4%	31,495	(31,088)	38,645
Proceeds from Sale of Asset	-	-	-	-	0%	-	-	996,685
	-	-	-	-		-	-	-
Total Revenues-Debt Serv	**104**	**407**	**10,000**	**(9,593)**	4%	**31,495**	**(31,088)**	**1,035,330**

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Local Option Gas Tax 1-5 Cent	31,950	120,650	316,000	(195,350)	38%	125,432	(4,782)	361,467
Interest Income-Gas Tax	25	92	5,910	(5,818)	2%	3,601	(3,508)	5,933
Lee Cty Funding-Estero Prkway	-	-	2,196,000	(2,196,000)	0%	-	-	-
Developer Contributions-Inters	180,653	180,653	974,600	(793,947)	19%	-	180,653	89,307
FDOT Funding-US 41 Landscaping	-	-	134,490	(134,490)	0%	-	-	652,566
Road Imp Fee-Residential	31,000	187,456	200,000	(12,544)	94%	277,420	(89,964)	549,336
Road Imp Fees-Commercial	58,876	80,394	200,000	(119,606)	40%	304,061	(223,668)	590,570
Park Imp Fees-Residential	2,324	19,209	60,000	(40,791)	32%	29,165	(9,956)	62,935
Park Imp Fee-Commercial	2,324	9,296	110,000	(100,704)	8%	220,780	(211,484)	230,076
Interest Income-Rd Impact	147	583	30,930	(30,347)	2%	55,596	(55,014)	68,164
Interest Income-Com Prk Impact	2	7	470	(463)	1%	7,517	(7,510)	8,988
Interest Income-Reg Prk Impact	-	-	-	-	0%	6,623	(6,623)	7,915
Interest Inc-Com Prk Contri	2	7	100	(93)	7%	227	(220)	363
Interest Inc-Public Land	2	9	970	(961)	1%	952	(943)	1,510
Interest Income-Park Imp	7	29	3,620	(3,592)	1%	1,098	(1,070)	1,639
	-	-	-	-		-	-	-
Total Revenues-Capital Projects Fund	**307,312**	**598,384**	**4,233,090**	**(3,634,706)**	**14%**	**1,032,473**	**(434,089)**	**2,630,770**
	-	-	-	-		-	-	-
Total Revenues-All Funds	**1,237,883**	**8,396,857**	**17,216,330**	**(8,819,473)**	**49%**	**8,983,489**	**(586,632)**	**17,735,329**
Debt Serv Fd Trans from Gen Fd	-	2,515,197	2,515,800	(603)	100%	384,994	2,130,203	2,515,197
Proceeds from Debt Issue	-	-	-	-	0%	-	-	-
Cap Projects Trans from Gen Fd	50,566	686,062	3,837,010	(3,150,948)	18%	1,128,526	(442,463)	5,162,053
Cap Project Trans fromDebtServ	-	-	-	-	0%	-	-	1,000,000
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Revenues and Other Financing Sources-All Funds	***1,288,448***	***11,598,117***	***23,569,140***	***(11,971,023)***	*49%*	***10,497,009***	***1,101,108***	***26,412,580***
Executive Salaries	10,356	51,782	124,300	72,518	42%	51,782	-	124,277
FICA Taxes	792	3,961	9,600	5,639	41%	3,961	-	9,507
Workers Comp	-	63	300	237	21%	65	1	183
Unemployment Comp	133	704	2,000	1,296	35%	607	(98)	1,574
Travel and Per Diem	-	-	22,000	22,000	0%	978	978	2,011
Books Pub & Memberships	-	5,934	5,000	(934)	119%	5,332	(602)	5,385
Training	-	16	2,000	1,984	1%	1,879	1,863	1,629
	-	-	-	-		-	-	-
Total Village Council	*11,281*	*62,461*	*165,200*	*102,739*	38%	*64,604*	*2,143*	*144,566*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Executive Salary	13,618	63,549	204,700	141,151	31%	77,353	13,804	201,497
Car Allowance	554	2,848	7,200	4,352	40%	2,888	40	7,239
Regular Salaries & Wages	13,403	74,881	162,400	87,519	46%	54,998	(19,883)	152,524
FICA Taxes	2,139	9,180	24,400	15,220	38%	7,646	(1,533)	22,950
Retirement Contributions	3,023	16,163	38,600	22,437	42%	12,573	(3,590)	32,459
Group Insurance	-	35,021	84,000	48,979	42%	31,155	(3,866)	70,324
Worker's Compensation	-	169	800	631	21%	151	(18)	426
Unemployment Comp	46	518	900	382	58%	422	(96)	1,032
Miscellaneous Professional Srv	5,500	5,500	75,000	69,500	7%	2,375	(3,125)	6,950
Communication Services	-	10,500	32,760	22,260	32%	13,125	2,625	31,500
Miscellaneous Contractual Srvs	-	-	35,000	35,000	0%	-	-	1,900
Travel & Per Diem	398	398	12,000	11,602	3%	3,462	3,064	3,462
Public Relations	750	3,000	15,000	12,000	20%	7,172	4,172	16,708
Books Pub & Memberships	50	939	3,000	2,061	31%	720	(219)	2,600
Training	-	1,865	4,000	2,135	47%	185	(1,680)	185
	-	-	-	-		-	-	-
Total Village Manager	*39,480*	*224,532*	*699,760*	*475,228*	32%	*214,226*	*(10,306)*	*551,757*
Village Attorney	29,888	56,595	150,000	93,405	38%	46,456	(10,140)	173,217
Land Use Legal	194	20,243	85,000	64,757	24%	22,057	1,814	81,163
Comprehensive Plan Legal	-	-	15,000	15,000	0%	1,170	1,170	2,115
Code Enforcement Legal	-	-	12,000	12,000	0%	5,053	5,053	7,676
Land Dev Code Legal	-	8,559	15,000	6,441	57%	-	(8,559)	20,706
Miscellaneous legal	-	-	-	-	0%	2,138	2,138	-
Other Special Legal	-	-	-	-	0%	16,515	16,515	4,449
	-	-	-	-		-	-	-
Total Village Attorney	*30,082*	*85,397*	*277,000*	*191,603*	31%	*93,387*	*7,990*	*289,325*
Regular Salaries & Wages	2,850	14,906	131,600	116,694	11%	51,671	36,765	103,836
FICA Taxes	218	1,140	10,100	8,960	11%	3,940	2,799	7,919
Retirement Contributions	-	-	10,500	10,500	0%	3,553	3,553	6,459
Group Insurance	-	-	15,000	15,000	0%	5,485	5,485	9,033
Worker's Compensation	-	63	300	237	21%	65	1	183
Unemployment Compensation	38	227	600	373	38%	220	(7)	520
Codification	-	-	25,000	25,000	0%	-	-	4,840
Election Services	-	-	70,000	70,000	0%	-	-	-
Travel & Per Diem	-	-	1,000	1,000	0%	-	-	-
Legal Notices	-	366	5,000	4,634	7%	-	(366)	2,435
Book, Pub & Membership	-	100	500	400	20%	170	70	170
Training	79	79	100	21	79%	-	(79)	-
	-	-	-	-		-	-	-
Total Village Clerk	*3,185*	*16,881*	*269,700*	*252,819*	6%	*65,103*	*48,222*	*135,395*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Regular Salaries & Wages	11,144	77,704	283,100	205,396	27%	100,999	23,295	260,266
FICA Taxes	853	5,894	21,700	15,806	27%	7,639	1,744	19,690
Retirement Contributions	-	2,308	13,100	10,792	18%	4,454	2,145	11,206
Group Insurance	-	6,057	23,700	17,643	26%	8,741	2,684	19,767
Worker's Compensation	-	127	600	473	21%	108	(19)	304
Unemployment Compensation	70	448	1,100	652	41%	397	(51)	951
Accounting Services	8,092	22,416	5,000	(17,416)	448%	-	(22,416)	-
Auditing & Actuarial Services	-	4,500	38,000	33,500	12%	13,750	9,250	31,000
Travel & Per Diem	-	-	1,200	1,200	0%	-	-	-
Books, Publications & Members	-	293	800	507	37%	-	(293)	779
Training	-	-	1,200	1,200	0%	50	50	1,504
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Finance	*20,158*	*119,748*	*389,500*	*269,752*	31%	*136,137*	*16,390*	*345,467*
Regular Salaries & Wages	18,041	92,291	187,500	95,209	49%	78,390	(13,901)	192,688
FICA Taxes	991	4,962	14,400	9,438	34%	5,917	955	14,477
Retirement Contributions	2,502	10,702	19,700	8,998	54%	6,784	(3,918)	17,071
Group Insurance	1,019	20,898	37,300	16,402	56%	13,072	(7,826)	31,074
Worker's Compensation	-	654	2,300	1,646	28%	582	(72)	1,644
Unemployment Compensation	55	446	600	154	74%	356	(90)	811
Land Development Code	9,081	28,709	40,000	11,291	72%	46,208	17,499	130,680
Comp Plan/Land Dev Regulations	-	-	30,000	30,000	0%	16,830	16,830	16,830
Growth Model Srvs	-	-	10,000	10,000	0%	-	-	-
Development Srvcs Manager	11,350	11,350	85,000	73,650	13%	12,718	1,368	50,817
Misc Professional Services	-	-	65,000	65,000	0%	210	210	210
Economic Development	25,000	27,500	60,000	32,500	46%	27,500	-	27,500
Travel & Per Diem	-	-	2,000	2,000	0%	-	-	-
Legal Notices-Plan & Zoning	-	3,166	6,000	2,835	53%	2,149	(1,017)	2,953
Books, Pub & Memberships	-	712	5,000	4,288	14%	3,604	2,892	4,329
Training	-	-	600	600	0%	50	50	218
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
	-	-	-	-		-	-	-
Total Development Services	*68,038*	*201,390*	*565,400*	*364,010*	36%	*214,370*	*12,980*	*491,303*
Cost Recovery-Wages	9,065	33,023	43,900	10,877	75%	6,728	(26,294)	25,904
Cost Recovery FICA Taxes	672	2,284	3,400	1,116	67%	506	(1,777)	1,950
Cost Recovery Worker's Comp	-	-	1,200	1,200	0%	-	-	-
Cost Recovery Unemploy Comp	-	-	300	300	0%	-	-	-
Cost Recovery Prof Services	1,700	5,443	-	(5,443)	100%	2,679	(2,763)	19,765
Planning & Zoning-Fixed Fee	30,088	86,339	350,000	263,661	25%	92,072	5,733	290,787
Filling Fees and Charges	-	-	-	-	0%	-	-	5,289
	-		-	-	0%	-	-	
	-	-	-	-		-	-	-
Planning, Zoning and Development Review Services	*41,525*	*127,087*	*398,800*	*271,713*	32%	*101,986*	*(25,101)*	*343,695*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Special Magistrate Srvs	-	1,938	16,000	14,063	12%	4,938	3,000	8,913
Code Compliance Contract Srvs	12,632	36,247	154,000	117,753	24%	46,164	9,916	139,621
Other Chrges-Filing Fees	-	21	1,200	1,180	2%	108	88	311
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Code Compliance Services	*12,632*	*38,205*	*171,200*	*132,995*	22%	*51,209*	*13,004*	*148,845*
Lee Cty Animal Control Srvs	-	-	38,000	38,000	0%	-	-	37,932
	-	-	-	-		-	-	-
Total Animal Control	-	-	*38,000*	*38,000*	0%	-	-	*37,932*
Flood Plain-Com Rating System	3,100	6,199	150,000	143,801	4%	11,373	5,174	27,031
NPDES Compliance	-	-	5,000	5,000	0%	825	825	983
Water Level & Quality Monitor	2,095	3,273	130,000	126,727	3%	11,523	8,250	57,467
Water & Sewer Expansion	-	-	257,400	257,400	0%	19,130	19,130	-
Estero River Maintenance	250	250	30,000	29,750	1%	19,785	19,535	50,060
Miscellaneous Stormwate Maint	-	12,373	123,500	111,128	10%	-	(12,373)	51,150
Water Quality Joint Advocacy	-	5,000	5,000	-	100%	5,000	-	5,000
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Public Works/ Physical Environment	*5,445*	*27,094*	*700,900*	*673,806*	4%	*67,636*	*40,542*	*191,691*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Public Works Wages	12,890	66,268	186,600	120,332	36%	63,977	(2,291)	167,086
FICA Taxes	942	4,844	14,300	9,456	34%	4,691	(153)	12,272
Retirement Contribution	1,006	5,170	13,400	8,230	39%	4,577	(593)	11,517
Group Insurance	-	14,664	35,200	20,536	42%	12,997	(1,666)	29,476
Worker's Compensation	-	1,034	5,100	4,066	20%	1,186	152	3,349
Unemployment Compensation	37	312	600	288	52%	358	46	808
Traffic Counts	-	-	16,500	16,500	0%	-	-	11,760
Coconut Traffic Study	-	-	-	-	0%	1,476	1,476	-
Village Traffic Study	-	-	-	-	0%	1,000	1,000	-
Misc Professional Services	-	17,690	50,000	32,310	35%	19,275	1,585	163,910
Misc Engineering Srvc	683	683	-	(683)	100%	5,625	4,942	-
Misc Construction Services	1,485	6,615	60,000	53,385	11%	-	(6,615)	78,531
Bridge Maintenance	-	-	10,000	10,000	0%	-	-	-
Irrigation Maintenance	585	1,720	-	(1,720)	100%	8,350	6,630	13,619
Landscape Maintenance	-	2,020	138,600	136,580	1%	7,040	5,020	19,125
Minor Paving Services	-	-	-	-	0%	6,000	6,000	-
Mowing Maintenance	9,335	29,105	-	(29,105)	100%	27,250	(1,855)	101,230
Ditch Maintenance	-	-	-	-	0%	23,850	23,850	-
Street Light Maintenance	1,143	3,516	65,100	61,584	5%	5,447	1,931	25,862
Street Sweeping Services	1,560	4,360	22,000	17,640	20%	8,800	4,440	19,510
Traffic Sign Maintenance	-	-	-	-	0%	1,820	1,820	4,180
Traffic Signal Maintenance	1,251	2,502	5,000	2,499	50%	2,418	(83)	4,836
Right-of-Way Permit Review	654	6,029	15,000	8,971	40%	2,555	(3,473)	6,114
Railroad Maintenance	-	18,000	18,000	-	100%	18,000	-	18,000
Misc Landscape Projects	1,599	1,599	-	(1,599)	100%	6,740	5,141	-
Resurf/Drainage-Poinciana Trai	-	51,857	103,870	52,013	50%	-	(51,857)	386,370
Road Maintenance	-	-	120,000	120,000	0%	-	-	-
US41 Traffic Signal Maint	-	-	30,000	30,000	0%	-	-	-
US41 Landscape Maint	-	-	22,900	22,900	0%	-	-	-
Travel	217	768	5,000	4,232	15%	1,754	986	4,066
Communications	36	164	500	336	33%	154	(10)	512
Utilities	5,265	18,316	35,270	16,954	52%	12,706	(5,610)	40,890
Equipment & leases	212	1,030	2,500	1,470	41%	877	(153)	2,151
Street Light Insurance	-	3,214	16,500	13,286	19%	-	(3,214)	3,214
Operating Supplies	97	571	3,000	2,429	19%	636	64	1,603
Books, Publications & Members	210	210	1,500	1,290	14%	-	(210)	1,187
Training	-	427	2,000	1,573	21%	349	(78)	349
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Public Works/ Transportation	*39,206*	*262,688*	*998,440*	*735,752*	26%	*249,909*	*(12,780)*	*1,131,528*
							-	

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Webmaster Srvs & Maintenance	563	2,147	9,000	6,854	24%	2,000	(147)	8,030
Software Licensing	5,642	8,127	30,000	21,873	27%	8,628	500	32,575
Information Technology Srvs	10,351	30,303	125,000	94,697	24%	38,877	8,574	130,296
Tech Development Services	-	-	-	-	0%	6,394	6,394	8,525
Small tools & equipment	-	-	13,800	13,800	0%	-	-	-
Capital Outlay	-	-	10,000	10,000	0%	-	-	4,416
	-	-	-	-	0%	-	-	-
Total Information Technology	*16,556*	*40,577*	*187,800*	*147,223*	22%	*55,899*	*15,321*	*183,842*
Lee Cty Law Enforcement	960	2,112	10,000	7,888	21%	1,616	(496)	4,124
	-	-	-	-		-	-	-
Total Law Enforcement/ Security	*960*	*2,112*	*10,000*	*7,888*	21%	*1,616*	*(496)*	*4,124*
Parks Master Plan	-	-	-	-	0%	32,400	32,400	40,445
YMCA Operating Agreement	4,990	26,950	63,000	36,050	43%	-	(26,950)	26,750
Utilities	457	2,973	6,000	3,027	50%	42	(2,931)	5,668
Equipment Rent & Leases	-	-	1,100	1,100	0%	-	-	667
Repairs & Maint	-	2,260	20,000	17,741	11%	2,502	243	21,314
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Parks & Recreation	*5,447*	*32,182*	*90,100*	*57,918*	36%	*34,944*	*2,762*	*94,844*
Lobbying Services	5,000	10,000	30,000	20,000	33%	10,000	-	30,000
State Administrative Fees	548	2,500	9,500	7,000	26%	2,304	(195)	9,360
Tax Collector Fees	-	1,850	3,750	1,900	49%	1,818	(32)	1,818
Audio Visual Services	6,285	13,663	46,000	32,338	30%	8,129	(5,534)	26,136
Misc Contractual Srvcs	-	-	250,000	250,000	0%	-	-	-
Communications	386	1,509	5,000	3,491	30%	1,355	(154)	4,251
Freight & Postage	152	659	3,500	2,841	19%	916	257	2,171
Utilities	1,711	12,114	17,500	5,386	69%	6,245	(5,869)	15,671
Equipment Rental & Leases	758	5,422	10,000	4,578	54%	3,073	(2,349)	9,433
Office Lease-Corkscrew Palms	18,765	95,105	257,400	162,295	37%	95,863	758	230,016
Insurance	-	16,542	78,700	62,159	21%	19,470	2,929	74,952
Repairs & Maintenance	1,195	8,468	20,000	11,532	42%	4,858	(3,610)	16,970
Printing	-	-	1,500	1,500	0%	146	146	146
Bank Charges	-	-	-	-	0%	310	310	-
Contingency	-	-	154,200	154,200	0%	-	-	-
Office Supplies	624	1,888	6,500	4,612	29%	2,059	171	4,214
Operating Supplies	1,167	9,180	11,000	1,820	83%	3,847	(5,333)	12,143
Books Pub & Membership	-	-	2,000	2,000	0%	-	-	141
	-	-	-	-		-	-	-
	-	-	-	-		-	-	-
Total General Government	*36,589*	*178,899*	*906,550*	*727,651*	20%	*160,392*	*(18,507)*	*437,421*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Covid Contractual Expenditures	-	192,496	185,400	(7,096)	104%	-	(192,496)	-
Repair and Maintenance	600	2,400	-	(2,400)	100%	-	(2,400)	3,690
Covid Supplies	9,001	304,409	226,200	(78,209)	135%	-	(304,409)	499
Capital Outlay	-	-	-	-	0%	-	-	37,990
Total COVID	*9,601*	*499,305*	*411,600*	*(87,705)*	121%	-	*(499,305)*	*42,179*
Lee Cty Marine Patrol	-	-	43,860	43,860	0%	-	-	544
	-	-	-	-		-	-	-
Total Lee County Marine Patrol	-	-	*43,860*	*43,860*	0%	-	-	*544*
IRMA-Professional Service	-	-	10,000	10,000	0%	-	-	-
IRMA Debris Removal	-	-	-	-	0%	-	-	69,504
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
	-	-	-	-	0%	-	-	-
Total Hurricane Irma	-	-	*10,000*	*10,000*	0%	-	-	*69,504*
	-	-	-	-		-	-	-
Total Expenditures-General Fund	***340,186***	***1,918,559***	***6,333,810***	***4,415,251***	30%	***1,511,419***	***(407,140)***	***4,643,959***
Building Service Contract	85,177	248,443	954,100	705,657	26%	313,887	65,444	953,569
Laserfische Software	8,214	8,214	8,100	(114)	101%	8,088	(126)	8,088
Building IT Contract Services	440	1,289	5,300	4,011	24%	1,654	365	5,542
Inkforce Software	2,550	5,100	15,300	10,200	33%	5,100	-	15,300
Communications	119	473	1,400	927	34%	444	(28)	1,405
Freight & Postage	48	192	600	408	32%	280	88	636
Utilities	329	1,096	3,000	1,904	37%	1,109	12	2,970
Equipment Lease	879	4,305	9,800	5,495	44%	3,632	(673)	9,270
Office Lease-Corkscrew Palms	3,843	19,479	52,800	33,321	37%	19,635	155	47,112
Repairs & Maintenance	218	791	3,800	3,009	21%	832	41	2,479
Credit Card Fees	2,848	12,134	27,800	15,666	44%	10,588	(1,546)	30,161
Office Supplies	228	861	3,000	2,139	29%	1,185	325	2,829
Operating Supplies	-	10	4,800	4,790	0%	1,956	1,946	3,618
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Expenditures-Building Fee Fund	*104,895*	*302,386*	*1,089,800*	*787,414*	28%	*368,390*	*66,004*	*1,082,979*
Principal Payments	-	-	670,460	670,460	0%	-	-	1,641,295
Interest Expense	-	367,928	745,340	377,412	49%	384,994	17,066	770,587
	-	-	-	-	0%	-	-	-
	-	-	-	-		-	-	-
Total Expenditures-Debt Service	-	*367,928*	*1,415,800*	*1,047,872*	26%	*384,994*	*17,066*	*2,411,882*

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Estero Parkway Improvements	664,721	3,098,264	3,186,560	88,296	97%	296,474	(2,801,790)	4,688,942
River Ranch Rd Improvements	6,003	28,285	310,000	281,715	9%	-	(28,285)	145,702
Corkscrew Rd Widening	5,450	11,668	300,000	288,333	4%	-	(11,668)	32,507
Via Coconut Pt Street Lights	-	-	205,200	205,200	0%	-	-	-
Williams Rd Street Lights	-	-	57,000	57,000	0%	-	-	-
River Ranch Rd Street Lights	-	-	30,500	30,500	0%	-	-	-
Broadway Ave East Street Light	-	-	12,900	12,900	0%	-	-	-
Sandy Lane Street Lights	-	-	28,600	28,600	0%	-	-	-
	-	-	-	-	0%	-	-	-
Total Roadway Projects	676,173	3,138,217	4,130,760	992,543	76%	296,474	(2,841,743)	4,867,151
US41-Pelican Sound Inte Improv	-	-	132,000	132,000	0%	-	-	-
Corkscrew Rd Signal-Puente Ln	80	80	1,634,950	1,634,870	0%	20,775	20,695	76,847
Williams Rd Intersection Impro	-	-	300,000	300,000	0%	22,141	22,141	33,353
Williams Rd High School Turn	-	83,791	-	(83,791)	100%	3,744	(80,047)	423,462
Coconut Rd Improvements	-	-	117,000	117,000	0%	-	-	29,441
	-	-	-	-		-	-	-
Total Intersection Improve Proj	80	83,871	2,183,950	2,100,079	4%	46,660	(37,211)	563,103
Coconut Rd Crosswalks	36,706	49,582	150,000	100,418	33%	28,822	(20,760)	41,978
Williams Rd Bike/Sidewalks	-	-	150,000	150,000	0%	-	-	-
Intersect Safety Improv Study	-	-	110,000	110,000	0%	-	-	-
Sandy Ln Bike-Ped Improv	-	-	438,780	438,780	0%	-	-	-
Broadway E Shared Use Path	-	-	245,700	245,700	0%	-	-	-
Broadway W Bus Stop Improv	325	6,875	-	(6,875)	100%	-	(6,875)	2,650
Total Bicycle & Ped Improv Proj	37,031	56,457	1,094,480	1,038,023	5%	28,822	(27,635)	44,628
US 41 FDOT Landscape	-	-	199,600	199,600	0%	-	-	-
US 41 Landscaping Enhancement	7,480	11,560	114,790	103,230	10%	742,820	731,260	800,988
Monument Sign/Branding	-	-	-	-	0%	-	-	9,279
US 41 Monument Signs	-	-	156,000	156,000	0%	-	-	-
Three Oaks Prkwy MonumentSigns	-	-	156,000	156,000	0%	-	-	-
Via Coconut Pt Landscap Improv	3,500	3,500	276,000	272,500	1%	13,750	10,250	62,390
Ben Hill Griff Pkwy Landsc Imp	-	-	130,000	130,000	0%	-	-	-
I-75 Interchange Landscaping	-	-	60,000	60,000	0%	-	-	-
Williams Rd Landscape Improv	-	-	143,000	143,000	0%	-	-	-
Total Landscaping & Beauti Proj	10,980	15,060	1,235,390	1,220,330	1%	756,570	741,510	872,657
Estero on River Master Plan	2,475	17,325	252,000	234,675	7%	-	(17,325)	24,750
Estero Com Prk Master Plan	-	-	150,000	150,000	0%	-	-	-
Estero Com Prk Expansion	-	-	738,000	738,000	0%	-	-	-
Total Parks & Recreation Proj	2,475	17,325	1,140,000	1,122,675	2%	-	(17,325)	24,750
Villages of Country Crk Bypass	-	-	192,000	192,000	0%	-	-	-
Dry Crk Bed Sediment Removal	-	-	150,000	150,000	0%	-	-	-
Estero Rvr Sediment Removal	-	-	30,000	30,000	0%	-	-	-
Total Stormwater Projects	-	-	372,000	372,000	0%	-	-	-

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
Land Purchase-Estero on River	-	-	-	-	0%	-	-	8,500
Williams Road Property-Church	-	-	-	-	0%	-	-	3,012,288
	-	-	-	-		-	-	-
Total Land Acquistions	-	-	-	-	0%	-	-	3,020,788
	-	-	-	-		-	-	-
Total Expenditures-Capital Project Fund	726,739	3,310,930	10,156,580	6,845,650	33%	1,128,526	(2,182,404)	9,393,076
	-	-	-	-		-	-	-
Total Expenditures-All Funds	1,171,819	5,899,803	18,995,990	13,096,187	31%	3,393,329	(2,506,475)	17,531,896
Gen Fd Trans to Debt Service	-	2,515,197	2,515,800	603	100%	384,994	(2,130,203)	2,515,197
Gen Fd Trans to Cap Projects	50,566	686,062	3,837,010	3,150,948	18%	1,128,526	442,463	5,162,053
Debt Serv Trans toCap Projects	-	-	-	-	0%	-	-	1,000,000
CIP Tran from Gas Tax-300-000	-	(83,791)	(570,000)	(486,209)	15%	-	83,791	(456,815)
CIP Tran from RdImp 300-990	(11,453)	(39,953)	(1,744,480)	(1,704,528)	2%	-	39,953	(32,507)
CIP Tran from ComPrkIF 300-991	-	-	(118,700)	(118,700)	0%	-	-	(868,700)
CIP Tran from RegPrkIF 300-992	-	-	-	-	0%	-	-	(862,556)
CIP Tran from PubLand- 300-994	-	-	-	-	0%	-	-	(281,032)
CIP Tran from Park IF 300-995	-	-	(581,300)	(581,300)	0%	-	-	-
Gas Tax Trans to CIP-300-266	-	83,791	570,000	486,209	15%	-	(83,791)	456,815
Rd Imp Fee Trans toCIP-300-990	11,453	39,953	1,744,480	1,704,528	2%	-	(39,953)	32,507
ComPrk Imp Fee Tran to CIP-991	-	-	118,700	118,700	0%	-	-	868,700
RegPrk Imp Fee Tran to CIP-992	-	-	-	-	0%	-	-	862,556
PubLand BonusDen TrantoCIP-994	-	-	-	-	0%	-	-	281,032
Park Imp Fee Tran to CIP-995	-	-	581,300	581,300	0%	-	-	-
	-	-	-	-		-	-	-
Total Expenditures and Other Financing Uses-All Funds	***1,222,385***	***9,101,063***	***25,348,800***	***16,247,737***	*36%*	***4,906,848***	***(4,194,214)***	***26,209,146***
Excess Revenue over Expenditures	***66,064***	***2,497,054***	***(1,779,660)***	***4,276,714***		***5,590,161***	***(3,093,107)***	***203,433***
Estimated Prior Year Surplus		36,251,537	32,634,850	3,616,687		36,048,104	203,433	36,048,104
Fund Balance		***38,748,591***	***30,855,190***	***7,893,401***		***41,638,265***	***(2,889,674)***	***36,251,537***

Village of Estero

Budget Report-All Funds

For the Month Ending February 2021

	Current Month Actual	2020-2021 Year to Date Actual	2020-2021 #2 Bud Amend-Dec Budget	2020-2021 Budget Variance	2020-2021 Year to Date Percentage	2019-2020 Year to Date Actual	Year to Date Prior Year Variance	2019-2020 12 Months Actual
General Fund								
Revenues	830,882	7,432,006	11,974,940	(4,542,934)	62%	7,406,653	25,353	12,886,737
Expenditures	340,186	1,918,559	6,333,810	4,415,251	30%	1,511,419	(407,140)	4,643,959
Operating Excess (deficit)	490,696	5,513,446	5,641,130	(127,684)		5,895,234	(381,788)	8,242,778
Transfers out to Debt Service	-	(2,515,197)	(2,515,800)	603	100%	(384,994)	(2,130,203)	(2,515,197)
Transfers out to Capital Projects	(50,566)	(686,062)	(3,837,010)	3,150,948	18%	(1,128,526)	442,463	(5,162,053)
	440,130	2,312,187	(711,680)	3,023,867		4,381,714	(2,069,527)	565,528
Building Fee Fund								
Revenues	99,585	366,061	998,300	(632,239)	37%	512,869	(146,808)	1,182,493
Expenditures	104,895	302,386	1,089,800	787,414	28%	368,390	66,004	1,082,979
Operating Excess (deficit)	(5,309)	63,675	(91,500)	155,175		144,479	(80,804)	99,514
Debt Service Fund								
Revenues	104	407	10,000	(9,593)	4%	31,495	(31,088)	1,035,330
Expenditures	-	367,928	1,415,800	1,047,872	26%	384,994	17,066	2,411,882
Operating Excess (deficit)	104	(367,521)	(1,405,800)	1,038,279		(353,499)	(14,022)	(1,376,553)
Debt Service Proceeds	-	-	-	-	0%	-	-	-
Transfers in from General Fund	-	2,515,197	2,515,800	(603)	100%	384,994	2,130,203	2,515,197
Transfers out to Capital Projects	-	-	-	-	0%	-	-	(1,000,000)
	104	2,147,676	1,110,000	1,037,676		31,495	2,116,181	138,645
Capital Projects Fund								
Revenues	307,312	598,384	4,233,090	(3,634,706)	14%	1,032,473	(434,089)	2,630,770
Expenditures	726,739	3,310,930	10,156,580	6,845,650	33%	1,128,526	(2,182,404)	9,393,076
Operating Excess (deficit)	(419,427)	(2,712,546)	(5,923,490)	3,210,944		(96,053)	(2,616,493)	(6,762,306)
Transfers in from Other Funds	50,566	686,062	3,837,010	(3,150,948)	18%	1,128,526	(442,463)	6,162,053
	(368,862)	(2,026,484)	(2,086,480)	59,996		1,032,473	(3,058,956)	(600,253)

Reserved and Available Funds Report

General Fund Reserves	$ 5,596,700
Litigation Defense Reserve	670,000
Major Road Maintenance Reserve	148,000
Debt Reduction	6,326,875
Total Reserved Funds	$ 12,741,575
General Fund Capital Projects	$ 13,696,995
Building Fee Fund	866,913
Gas Tax Capital Projects	1,509,500
Developer Contribution	222,462
Road Impact Fees	8,911,170
Community Park Impact Fees	107,697
Regional Park Impact Fees	-
Estero Park Entry Contribution	100,996
Park Imp Fees	448,167
Public Land Purchase	143,117
Total Available Funds	$ 26,007,017

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Corkscrew Road - Puente Lane Traffic Signal Budget Amendment

Resolution 2021-10 a resolution of the Village Council of the Village of Estero, Florida, Approving the second budget amendment for Fiscal Year 2020-2021 to approve use of additional Village funds and provide funding transfer for Corkscrew Road/Puente Lane Traffic Signal; and providing an effective date.

Description:

To improve safety and traffic flow along Corkscrew Road a traffic signal is proposed at the intersection of Corkscrew Road and Puente Lane (Lowes Shopping Center). Zoning and development order approvals required the adjacent developers to pay for the construction of the traffic signal. The Village of Estero stepped in to expedite the design, permitting and construction of the traffic signal.

Village Council approved an Interlocal agreement with Lee County at the July 22, 2020 Village Council meeting and a budget amendment to provide funding for the traffic signal at Corkscrew Road and Puente Lane. The approved funding is $792,350, which was based on the project engineer's opinion of probable costs. The funds are intended to cover the construction, construction engineering inspection (CEI), and a 10% project contingency.

Lee County Department of Transportation received construction bids for the project on March 10, 2021. The County received three bids with a low bid of $984,147.17. The County has also received a CEI contract in the amount of $65,978.00. The total project construction cost including at 10% contingency of $105,012.52 is $1,155,138.00.

To cover the project construction costs, an additional $362,788 is required in the Corkscrew Road – Puente Lane Traffic Signal budget.

This budget amendment is required to allocate additional funds for the project and pay Lee County those funds. The County will require these funds prior to hiring a contractor.

Action Requested:

Adopt Resolution No. 2021-10 for Fiscal Year 2020-2021 budget amendment.

Financial Impact:

The Corkscrew Road – Puente Lane Traffic Signal Fiscal Year 2020-2021 CIP budget will be increased by $362,788 for a total budgeted amount of $1,155,138.00 (this includes project construction costs plus 10% Contingency).

These costs will be reimbursed by the adjoining property owners through direct payment or property assessment.

Attachments:

1. Location Map
2. Resolution 2021-10
3. Ajax Bid
4. Stantec CEI Contract

Corkscrew/Puente Ln Traffic Signal Location Map

Project Location

Quente Way
Three Oaks Pkwy
Arcos Ave
Puente Way
Puente Ln
Corkscrew Commons Dr
Corkscrew Rd
850
75
Chevrolet Way
CorkScrew Woodlands Blvd
Pearl Bay Cir
Parrot Cove Cir
Bahia Terrace Cir

Google Earth
©2021 Google

900 ft

N

VILLAGE OF ESTERO, FLORIDA

RESOLUTION NO. 2021 - 10

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF ESTERO, FLORIDA, APPROVING THE SECOND BUDGET AMENDMENT FOR FISCAL YEAR 2020-2021 TO APPROVE USE OF ADDITIONAL VILLAGE FUNDS AND PROVIDE A FUNDING TRANSFER FOR CORKSCREW ROAD/PUENTE LANE TRAFFIC SIGNAL; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Resolution No. 2020-21, adopted the 2020-2021 fiscal year budget; and

WHEREAS, Village Council approved an Interlocal Agreement with Lee County on July 22, 2020. The agreement requires the Village of Estero to pay Lee County for the construction of the traffic signal at Corkscrew Road and Puente Lane. The Village will be reimbursed for the full cost of the traffic signal by the adjacent developments; and

WHEREAS, Village Council approved Resolution 2020-23 on November 4, 2020 to amend the Fiscal Year 2021-2021 budget to transfer $792,350 from General Fund unencumbered appropriations 001-000-5810300 into the Capital Projects Fund 300-000-3810001. Project expenditures in account 300-710-5416303 will not be increased as this budget amendment is to approve the use of Village funds and related funding transfer; and

WHEREAS, Lee County has received construction bids for the project, with the lowest bid of $984,147.17; and

WHEREAS, Lee County has received a contract for CEI services in the amount of $65,978; and

WHEREAS, Lee County has requested a 10% contingency in the amount of $105,012.52 to cover unforeseen costs.

WHEREAS, Lee County has requested $1,155,138.00 to cover the project's construction costs.

WHEREAS, the Village will need to provide funds to Lee County in advance of receipt from developers, approval of the use of Village funds and a funding transfer is required to be budgeted. Funds for the above project are available in the General Fund unencumbered appropriations in the 2020-2021 Budget; and

WHEREAS, as provided in the Village Charter Section 8(6)(d), the following transfer of unencumbered appropriations will be added to the 2020-2021 Budget.

NOW, THEREFORE, be it resolved by the Village Council of the Village of Estero, Florida:

Section 1. Approves funding transfer of $362,788 from General Fund unencumbered appropriations 001-000-5810300 into the Capital Projects line item fund 300-000-3810001 for Corkscrew Rd & Puente Lane Traffic Signal.

Section 3. This Resolution shall take effect immediately upon adoption.

ADOPTED BY THE VILLAGE COUNCIL of the Village of Estero, Florida this 7th day of April, 2021.

Attest: **VILLAGE OF ESTERO, FLORIDA**

By: _____ By: _____
Carol Sacco, Village Clerk Katy Errington, Mayor

Reviewed for legal sufficiency:

By: _____
Burt Saunders, Esq., Village Attorney

VER 08-20-2020

ORIGINAL

LEE COUNTY DOCUMENT MANAGEMENT FORM

For

B210113DWJ – Corkscrew Road and Puente Lane Intersection Improvements

These forms are required as indicated below and all required forms should be submitted with the Bidder's/Proposer's submission package. If it is determined that forms in this selection are not applicable to your company or solicitation they should be marked "N/A or Not Applicable" across the form in large letters and returned with your submission package.

FORM #	TITLE / DESCRIPTION	REQUIRED STATUS (Required, Not Required, If Applicable)	VENDOR CHECK-OFF
1	Solicitation Response Form	Required	X
1a	Bid/Proposal Form	Required	X
N/A	Business Relationship Disclosure Requirement	If Applicable	X
2	Affidavit Certification Immigration Laws	Required	X
3	Reference Survey *(Requested after opening of lowest Bidder only)*	Required	X
4	Negligence or Breach of Contract Disclosure Form	Required	X
5	Affidavit - Principal Place of Business	Required	X
6	Sub-Contractor List	Required	X
7	Public Entity Crime Form	Required	X
8	Trench Safety	Required	X
9	Bid Bond	Required	X
*	Proposal Label	Required	X

It is the Bidder's/Proposer's responsibility to review the submittal request in its entirety and ensure that all submittal requirements are included within their submission package. Failure to submit required forms may deem your company as non-responsive.

VER 08-20-2020

Form 1 – Solicitation Response Form

V09/12/2016

LEE COUNTY
SOUTHWEST FLORIDA

LEE COUNTY PROCUREMENT MANAGEMENT
SOLICITATION RESPONSE FORM

Date Submitted: March 10, 2021 Bid Due Date: 3/10/2021

SOLICITATION IDENTIFICATION: B210113DWJ

SOLICITATION NAME: Corkscrew Road and Puente Lane Intersection Improvements

COMPANY NAME: Ajax Paving Industries of Florida, LLC

NAME & TITLE: (TYPED OR PRINTED) Christie Alvaro, Asst. Corp. Sec.

BUSINESS ADDRESS: (PHYSICAL) One Ajax Drive, North Venice FL 34275

CORPORATE OR MAILING ADDRESS:

☑ SAME AS PHYSICAL

ADDRESS MUST MATCH SUNBIZ.ORG

E-MAIL ADDRESS: kcoggins@ajaxpaving.com

PHONE NUMBER: 941-486-3600 FAX 941-486-3500

NOTE **REQUIREMENT**: IT IS THE **SOLE RESPONSIBILITY OF THE BIDDER/PROPOSER TO CHECK THE LEE COUNTY PROCUREMENT MANAGEMENT WEB SITE** FOR ANY ADDENDA ISSUED FOR THIS PROJECT. THE COUNTY WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL **NOT NOTIFY**.

By responding to this sealed Solicitation, the Bidder/Proposer makes all representations required by the instructions and further warrants and represents that: Bidder/Proposer has examined copies of all the Solicitation Documents and of the following Addenda:

No.	1	Dated: 3/2/2021	No.		Dated:	No.		Dated:
No.	2	Dated: 3/3/2021	No.		Dated:	No.		Dated:

Tax Payer Identification Number: 26-1871966

(1) Employer Identification Number -or- (2) Social Security Number:

** *Lee County collects your social security number for tax reporting purposes only*

Please submit a copy of your registration from the website www.sunbiz.org establishing your firm as authorized (including authorized representatives) to conduct business in the State of Florida, as provided by the *Florida Department of State, Division of Corporations. (a sample is attached for your reference)*

1 ***Collusion Statement:*** Lee County, Florida. The undersigned, as Bidder/Proposer, hereby declares that no person or other persons, other than the undersigned, are interested in this Solicitation as principal, and that this Solicitation is submitted without collusion with others; and that they have carefully read and examined the Specifications or Scope of Work, and with full knowledge of all conditions under which the services herein is contemplated must be furnished, hereby Bid and agree to furnish this service according to the requirements set out in the Solicitation Documents, Specifications or Scope of Work for said service for the prices as listed on the County provided price sheet or (CCNA) agree to negotiate prices in good faith if a contract is Awarded.

2 ***Scrutinized Companies Certification:***
Section 287.135, F.S, entitled "Prohibition against contracting with scrutinized companies" prohibits agencies from contracting with companies, for goods or services over $1,000,000, that are on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, Scrutinized Companies that Boycott Israel List, have been engaged in a boycott of Israel, or been engaged in business operations in Cuba or Syria. The County reserves the right to review, on a case-by-case basis, and waive this stipulation if it is deemed advantageous to the County.
As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is in compliance with Section 287.135, F.S. I understand that submission of a false certification may subject company to contract termination, civil penalties, attorney's fees, and/or costs.

Form#1 – Solicitation Form, Page 2

3 ***Business Relationship Disclosure Requirement:*** Sections 112.313(3) and 112.313(7), F.S., prohibit certain business relationships on the part of public officers and employees, their spouses, and their children. See Part III, Chapter 112, F.S., and/or the brochure entitled "A Guide to the Sunshine Amendment and Code of Ethics for Public Officers, Candidates and Employees" for more details on these prohibitions. However, Section 112.313(12), F.S., provides certain limited exemptions to the above-referenced prohibitions, including one where the business is awarded under a system of sealed, competitive bidding; the public official has exerted no influence on bid negotiations or specifications; and where disclosure is made, prior to or at the time of the submission of the bid, of the official's or his/her spouse's or child's interest and the nature of the intended business. The Commission on Ethics has promulgated this form for such disclosure, if and when applicable to a public officer or employee.

If this disclosure is applicable, the Bidder must request form *"INTEREST IN COMPETITIVE BID FOR PUBLIC BUSINESS"* (Required by 112.313(12)(b), F.S.) to be completed and returned with Solicitation Response. It is the Bidder/proposer's responsibility to disclose this relationship, failure to do so could result in being declared non-responsive.

[ ] ***Business Relationship Applicable (request form)*** [X] ***Business Relationship NOT Applicable***

4 Disadvantaged, Minority, Women, Veterans Business Enterprise (DBE, MBE, WBE, VBE) Proposer? If yes, please attach a current certificate. [ ] Yes [X] No

ALL SUBMISSIONS MUST BE EXECUTED BY AN AUTHORIZED AUTHORITY OF THE BIDDER/PROPOSER, WITNESSED AND SEALED (AS APPLICABLE)

Ajax Paving Industries of Florida, LLC
Company Name *(Name printed or typed)*

Christie Alvaro
Authorized Representative Name *(printed or typed)*

Asst. Corp. Secretary
Authorized Representative's Title *(printed or typed)*

Christie Alvaro
Authorized Representative's Signature

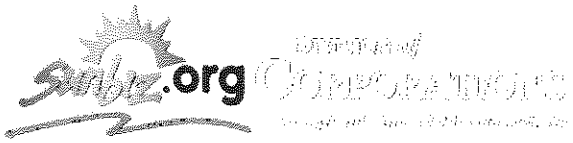
(Affix Corporate Seal, as applicable)

AJAX PAVING INDUSTRIES OF FLORIDA, LLC CORPORATE SEAL 2008 FLORIDA

Jamie L. Simmons Asst Corp Sec.
Witnessed/Attested by: *(Witness/Secretary name and title printed or typed)*

Jamie L Simmons
Witness/Secretary Signature

Any blank spaces on the form(s), qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's form may result in the submission being declared non-responsive by the County.



Detail by FEI/EIN Number

Florida Limited Liability Company
AJAX PAVING INDUSTRIES OF FLORIDA LLC

Filing Information

Document Number	L08000010565
FEI/EIN Number	26-1871966
Date Filed	01/30/2008
Effective Date	07/16/1981
State	FL
Status	ACTIVE
Last Event	LC STMNT OF RA/RO CHG
Event Date Filed	06/19/2018
Event Effective Date	NONE

Principal Address

ONE AJAX DRIVE
NORTH VENICE, FL 34275

Changed: 01/24/2019

Mailing Address

ONE AJAX DRIVE
NORTH VENICE, FL 34275

Changed: 08/06/2015

Registered Agent Name & Address

HACKETT II, JACK O.
FARR LAW FIRM
99 NESBIT STREET
PUNTA GORDA, FL 33950

Name Changed: 01/24/2021

Address Changed: 01/24/2021

Authorized Person(s) Detail

Name & Address

Title MANAGER

JACOB, JAMES A

ONE AJAX DRIVE
NORTH VENICE, FL 34275

Title MANAGER/CEO

HORAN, MICHAEL A
ONE AJAX DRIVE
NORTH VENICE, FL 34275

Title PRESIDENT

HAFELI, VINCE
ONE AJAX DRIVE
NORTH VENICE, FL 34275

Title DIRECTOR OF FINANCE

FULMER, RYAN
ONE AJAX DRIVE
NORTH VENICE, FL 34275

Title VICE PRESIDENT

PITTMAN, SCOTT
ONE AJAX DRIVE
NORTH VENICE, FL 34275

Title FLEET MANAGER

MAITLAND, DAN
ONE AJAX DRIVE
NORTH VENICE, FL 34275

Annual Reports

Report Year	Filed Date
2020	04/29/2020
2020	05/06/2020
2021	01/24/2021

Document Images

01/24/2021 -- ANNUAL REPORT	View image in PDF format
05/06/2020 -- AMENDED ANNUAL REPORT	View image in PDF format
04/29/2020 -- ANNUAL REPORT	View image in PDF format
12/12/2019 -- AMENDED ANNUAL REPORT	View image in PDF format
09/30/2019 -- AMENDED ANNUAL REPORT	View image in PDF format
01/24/2019 -- ANNUAL REPORT	View image in PDF format
06/19/2018 -- CORLCRACHG	View image in PDF format
01/18/2018 -- ANNUAL REPORT	View image in PDF format
01/19/2017 -- ANNUAL REPORT	View image in PDF format
02/01/2016 -- ANNUAL REPORT	View image in PDF format
08/06/2015 -- AMENDED ANNUAL REPORT	View image in PDF format

04/08/2015 -- ANNUAL REPORT	View image in PDF format
12/29/2014 -- Merger	View image in PDF format
01/10/2014 -- ANNUAL REPORT	View image in PDF format
01/25/2013 -- ANNUAL REPORT	View image in PDF format
01/16/2012 -- ANNUAL REPORT	View image in PDF format
01/04/2011 -- ANNUAL REPORT	View image in PDF format
01/07/2010 -- ANNUAL REPORT	View image in PDF format
01/22/2009 -- ANNUAL REPORT	View image in PDF format
01/30/2008 -- Florida Limited Liability	View image in PDF format

LEE COUNTY
SOUTHWEST FLORIDA

Lee County Procurement Management
BID/PROPOSAL FORM

Company Name: Ajax Paving Industries of Florida, LLC

Solicitation # **B210113DWJ** **Solicitation Name** **Corkscrew Road and Puente Lane Intersection Improvements**

This page serves as a header/placeholder only. Please refer to the Excel document provided with the solicitation for the complete Bid Schedule. The Excel document contains formulas for convenience, however it is the Contractor's responsibility to verify all pricing and calculations are CORRECT. Lee County is not responsible for errors in formulas or calculations contained within Excel document(s).

REMINDER: In the event there is a discrepancy between the total quoted amount or the extended amounts and the unit prices quoted, the unit prices will prevail and the corrected sum will be considered the quoted price.

The County will only accept bids submitted on bid forms provided by the County. Bids submitted on other forms, other than those provided by the County, will deem Bidder as non-responsive and ineligible for award.

Bidders may not adjust or modify data provided within the Bid Schedule. Bids received with modified data may deem the Bidder as non-responsive and ineligible for award.

PLEASE ENSURE you have provided a printed copy of the Bid Schedule with your hard copy submission packages and provided the excel version with your digital submission package.

PRICING
Pricing shall be inclusive of all labor, equipment, supplies, overhead, profit, materials, and any other incidental costs required to perform and complete all work as specified herein.

LEE COUNTY
SOUTHWEST FLORIDA

PROCUREMENT MANAGEMENT DEPARTMENT
BID/PROPOSAL FORM

COMPANY NAME: Ajax Paving Industries of Florida, LLC

SOLICITATION: B210113DWJ - CORKSCREW ROADAND PUENTE LANE INTERSECTION IMPROVEMENTS

Having carefully examined the Contract Documents, Contractor/Vendor proposes to furnish the following which meeting these specifications.

PRICING

Pricing shall be inclusive of all labor, equipment, supplies, overhead, profit, material, and any other incidental costs required to perform and complete all work as specified in the Contract Documents. All Unit Prices will be bid at the nearest whole penny. The Excel document contains formulas for convenience, however it is the Contractor's/Vendor's responsibility to verify all pricing and calculations are CORRECT. Lee County is not responsible for errors in formulas or calculations contained within Excel document(s).

In the event there is a discrepancy between a subtotal or total amount and the unit prices and extended amounts, the unit prices will prevail and the corrected extension(s) and total(s) will be considered the price.

The County will only accept bids submitted on bid forms provided by the County. Bids submitted on other forms, other than those provided by the County, will be deemed non-responsive and ineligible for award.

PLEASE ENSURE you have provided a printed copy of the Bid Schedule with your hard copy submission packages and provided the excel version with your digital submission package.

Corkscrew Road and Puente Lane Intersection Improvements

SIGNALIZATION IMPROVEMENTS

Item	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Amount
101 1	MOBILIZATION (SIGNAL WORK ONLY)	LS	1.000	$ 1,500.00	$ 1,500.00
102 2	MAINTENANCE OF TRAFFIC (SIGNAL WORK ONLY)	LS	1.000	$ 8,000.00	$ 8,000.00
0630 2 11	CONDUIT, F&I, OPEN TRENCH	LF	350.000	$ 10.80	$ 3,780.00
0630 2 12	CONDUIT, F&I, DIRECTIONAL BORE	LF	500.000	$ 50.20	$ 25,100.00
0630 2 14	CONDUIT, F&I, ABOVE GROUND	LF	10.000	$ 29.95	$ 299.50
0632 7 1	SIGNAL CABLE NEW OR RECONSTRUCTED INTERSECTION, F&I	PI	1.000	$ 6,155.00	$ 6,155.00
0633 1121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2 12 FIBERS	LF	85.000	$ 5.50	$ 467.50
0633 2 31	FIBER OPTIC CONNECTION, INSTALL, SPLICE	EA	12.000	$ 71.65	$ 859.80
0633 3 11	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE ENCLOSURE	EA	1.000	$ 670.00	$ 670.00
0633 3 12	FIBER OPTIC CONNECTION HARDWARE, F&I, SPLICE TRAY	EA	1.000	$ 283.20	$ 283.20
0633 3 13	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED CONNECTOR ASSEMBLY	EA	1.000	$ 322.50	$ 322.50
0633 3 15	FIBER OPTIC CONNECTION HARDWARE, F&I, PRETERMINATED PATCH PANEL	EA	1.000	$ 736.30	$ 736.30
0635 2 11	PULL & SPLICE BOX, F&I, 17" x 30" COVER SIZE	EA	21.000	$ 670.40	$ 14,078.40
0635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA	1.000	$ 2,965.00	$ 2,965.00
0639 1122	ELECTRICAL POWER SERVICE, F&I, UNDERGROUND, METER PURCHASED BY CONTRACTOR	AS	1.000	$ 2,070.00	$ 2,070.00
0639 2 1	ELECTRICAL SERVICE WIRE, F&I	LF	90.000	$ 2.60	$ 234.00
0639 3 11	ELECTRICAL SERVICE DISCONNECT, F&I, POLE MOUNT	EA	1.000	$ 786.00	$ 786.00
0641 2 12	PRESTRESSED CONCRETE POLE, F&I, TYPE P II SERVICE POLE	EA	1.000	$ 2,185.75	$ 2,185.75
0646 1 11	ALUMINUM SIGNALS POLE, F&I, PEDESTAL	EA	8.000	$ 1,823.00	$ 14,584.00
0646 2115	ALUMINUM POLE INDEX 17900 / 695 001, FURNISH & INSTALL, 15'	EA	1.000	$ 1,978.00	$ 1,978.00
0649 21 3	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 40'	EA	1.000	$ 55,205.00	$ 55,205.00
0649 21 6	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 50'	EA	1.000	$ 64,110.00	$ 64,110.00
0649 21 10	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 60'	EA	1.000	$ 67,805.00	$ 67,805.00
0649 21 21	STEEL MAST ARM ASSEMBLY, F&I, SINGLE ARM 78'	EA	1.000	$ 77,977.00	$ 77,977.00
0650 1 14	TRAFFIC SIGNAL, F&I, ALUMINUM, 3 SECTION, 1 WAY	AS	10.000	$ 1,348.00	$ 13,480.00
0650 1 16	TRAFFIC SIGNAL, F&I, ALUMINUM, 4 SECTION, 1 WAY	AS	3.000	$ 1,788.00	$ 5,364.00
0653 1 11	PEDESTRIAN SIGNAL, F&I, LED COUNTDOWN, 1 WAY	AS	8.000	$ 923.55	$ 7,388.40
0660 4 11	VEHICLE DETECTION SYSTEM VIDEO, F&I, CABINET EQUIPMENT	EA	1.000	$ 10,437.00	$ 10,437.00
0660 4 12	VEHICLE DETECTION SYSTEM VIDEO, F&I, ABOVE GROUND EQUIPMENT	EA	4.000	$ 8,740.00	$ 34,960.00
0665 1 12	PEDESTRIAN DETECTOR, F&I, ACCESSIBLE	EA	8.000	$ 1,650.00	$ 13,200.00
0670 5110	TRAFFIC CONTROLLER ASSEMBLY, F&I, NEMA	AS	1.000	$ 38,230.00	$ 38,230.00
0682 1113	ITS CCTV CAMERA, F&I, DOME PTZ ENCLOSURE PRESSURIZED, IP, HIGH DEFINITION	EA	1.000	$ 6,117.00	$ 6,117.00
0684 1 1	MANAGED FIELD ETHERNET SWITCH, F&I	EA	1.000	$ 3,693.00	$ 3,693.00
0685 1 11	UNINTERRUPTIBLE POWER SUPPLY, F&I, LINE INTERACTIVE	EA	1.000	$ 8,848.00	$ 8,848.00
0700 3202	SIGN PANEL, F&I, OVERHEAD MOUNT, 12 20 SF	EA	4.000	$ 1,112.00	$ 4,448.00
0715 1 12	LIGHTING CONDUCTORS, F&I, INSULATED, NO 8-6	LF	2,094.000	$ 2.00	$ 4,188.00
0715 5 31	LUMINAIRE & BRACKET ARM ALUMINUM, FURNISH & INSTALL NEW LUMINAIRE AND ARM ON NEW/EXISTING POLE	EA	4.000	$ 2,829.00	$ 11,316.00
				SUBTOTAL: SIGNALIZATION IMPROVEMENTS	**$ 513,821.35**

ROADWAY IMPROVEMENTS

Item	Description	Unit of Measure	Estimated Quantity	Unit Price	Extended Amount
101 1	MOBILIZATION (ROADWAY WORK ONLY)	LS	1.000	$ 118,600.00	$ 118,600.00
102 2	MAINTENANCE OF TRAFFIC (ROADWAY WORK ONLY)	LS	1.000	$ 80,500.00	$ 80,500.00
0104 12	STAKED TURBIDITY BARRIER- NYL REINF PVC	LF	360.000	$ 6.40	$ 2,304.00
0104 18	INLET PROTECTION SYSTEM	EA	6.000	$ 109.80	$ 658.80
0110 1 1	CLEARING & GRUBBING	AC	1.030	$ 15,875.00	$ 16,351.25
0110 4 10	REMOVAL OF EXIST CONC	SY	107.000	$ 260.70	$ 27,894.90
0120 6	EMBANKMENT	CY	390.000	$ 71.00	$ 27,690.00
0160 4	TYPE B STABILIZATION	SY	865.000	$ 37.40	$ 32,351.00
285709	OPTIONAL BASE,BASE GROUP 09	SY	863.000	$ 62.20	$ 53,678.60
0327 70 1	MILLING EXIST ASPH PAVT, 1" AVG DEPTH	SY	2,523.000	$ 3.60	$ 9,082.80

0334 1 13	SUPERPAVE ASPHALTIC CONC, TRAFFIC C	TN	296.000	$	168.55	$	49,890.80
0425 6	VALVE BOXES, ADJUST	EA	3.000	$	172.50	$	517.50
0515 1 42	PIPE HANDRAIL - GUIDERAIL, RELOCATE, ALUMINUM	LF	20.000	$	133.00	$	2,660.00
0520 1 7	CONCRETE CURB & GUTTER, TYPE E	LF	354.000	$	18.00	$	6,372.00
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF	68.000	$	16.50	$	1,122.00
0520 5 11	TRAF SEP CONC-TYPE I, 4' WIDE	LF	208.000	$	32.95	$	6,853.60
0522 2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	SY	116.000	$	44.20	$	5,127.20
0527 2	DETECTABLE WARNINGS	SF	91.000	$	26.00	$	2,366.00
0570 1 2	PERFORMANCE TURF, SOD	SY	348.000	$	3.50	$	1,218.00
0700 1 50	SINGLE POST SIGN, RELOCATE	AS	9.000	$	231.20	$	2,080.80
0700 1 60	SINGLE POST SIGN, REMOVE	AS	2.000	$	115.60	$	231.20
0711 11123	THERMOPLASTIC, STD, WHITE, SOLID, 12"	LF	808.000	$	2.65	$	2,141.20
0711 11125	THERMOPLASTIC, STD, WHITE, SOLID, 24"	LF	863.000	$	4.55	$	3,926.65
0711 11141	THERMOPLASTIC, STD, WHITE, DOT GUIDE, 6"	GM	0.020	$	3,468.00	$	69.36
0711 11170	THERMOPLASTIC, STD, WHITE, ARROW	EA	12.000	$	76.30	$	915.60
0711 11241	THERMOPLASTIC,STD,YELLOW, DOT / GUIDE, 6"	GM	0.070	$	3,468.00	$	242.76
0711 15101	THERMOPLASTIC, STD-OP, WHITE, SOLID, 6"	GM	0.140	$	4,855.00	$	679.70
0711 15201	THERMOPLASTIC, STD-OP,YELLOW, SOLID, 6"	GM	0.120	$	4,855.00	$	582.60
1050 15002	UTILITY PIPE, F&I, PVC, WATER/SEWER, 2-4.9"	LF	398.000	$	28.75	$	11,442.50
SPECIAL	LIGUSTRUM REMOVE AND REPLACE	EA	3.000	$	925.00	$	2,775.00
				SUBTOTAL: ROADWAY IMPROVEMENTS		**$**	**470,325.82**

BID SUMMARY

PROJECT TOTAL	**$984,147.17**

**Quantities are not guaranteed. Final payment will be based on actual quantities.

PROJECT TOTAL: Nine hundred eighty-four thousand, one hundred forty-seven dollars and seventeen cents

(Use Words to Write Total)

LEE COUNTY
SOUTHWEST FLORIDA

AFFIDAVIT CERTIFICATION IMMIGRATION LAWS

SOLICITATION NO.: **B210113DWJ** SOLICITATION NAME: **Corkscrew Road and Puente Lane Intersection Stabilization**

LEE COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) {SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

LEE COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. **SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY LEE COUNTY.**

BIDDER/PROPOSER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: Ajax Paving Industries of Florida, LLC

Christie Alvaro

Signature

E. Christie Alvaro, Asst. Corp. Sec.
Title

March 8, 2021
Date

STATE OF Florida
COUNTY OF Sarasota

The foregoing instrument was signed and acknowledged before me this 8th day of March 2021, by Christie Alvaro who has produced
(Print or Type Name)

The foregoing instrument was signed and acknowledged before me, by means of ☑ physical presence or ☐ online notarization, this 8th day of March 2021, by Christie Alvaro who has produced
(Print or Type Name)

n/a - (personally known) as identification.
(Type of Identification and Number)

Taylor Nicole Shaner
Notary Public Signature

Printed Name of Notary Public

Notary Commission Number/Expiration

TAYLOR NICOLE SHANER
Notary Public - State of Florida
Commission # HH 005670
My Comm. Expires Jun 1, 2024
Bonded through National Notary Assn.

The signee of this Affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. ***LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.***

Version -7-13-2020

Form 4 -Negligence or Breach of Contract Disclosure Form

REVISED 09/12/2016

LEE COUNTY
SOUTHWEST FLORIDA

ALLEGED NEGLIGENCE OR BREACH OF CONTRACT DISCLOSURE FORM

Please fill in the form below. Provide each incident in regard to alleged negligence or breach of contract that has occurred over the past 10 years. Please compete in chronological order with the most recent incident on starting on page 1.

Company Name: Ajax Paving Industries of Florida, LLC

Type of Incident *Alleged Negligence or Breach of Contract*	**Incident Date And Date Filed**	**Plaintiff** *(Who took action against your company)*	**Case Number**	**Court** *County/State*	**Project**	**Claim Reason** *(initial circumstances)*	**Final Outcome** *(who prevailed)*
N/A							

Make as many copies of this sheet as necessary in order to **provide a ten (10) year history** of the requested information. If there is no action pending or action taken in the last ten (10) years, complete the **company name and write "NONE" in the first "Type of Incident" box** of this page and return with your submission package. This form should also include the primary partners listed in your submission. Do not include litigation with your company as the plaintiff. Final outcome should include who prevailed and what method of settlement was made. If a monetary settlement was made, the amount may remain anonymous. **Please do not modify this form (expansion of spacing allowed) or submit your own variation.**

Page Number: 1 Of 1 Total pages

Update the page number to reflect the current page and the total number of pages. Example: Page 3, of 5 total submitted pages of this form.

LEE COUNTY
SOUTHWEST FLORIDA

AFFIDAVIT PRINCIPAL PLACE OF BUSINESS

Instructions: Please complete all information that is applicable to your firm.

Company Name: Ajax Paving Industries of Florida, LLC

Christie Alvaro
Printed name of authorized signer

Asst. Corp. Secretary
Title

⇒ Christie Alvaro
Authorized Signature

March 8, 2021
Date

AJAX PAVING INDUSTRIES OF FLORIDA, LLC CORPORATE SEAL 2008

The signee of this affidavit guarantees, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. ***LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.***

The foregoing instrument was signed and acknowledged before me, by means of ☑ physical presence or ☐ online notarization, this 8th day of March 20__, by Christie Alvaro (Print or Type Name) who has produced n/a - (personally known) as identification.
(Type of Identification and Number)

TAYLOR NICOLE SHANER
Notary Public - State of Florida
Commission # HH 005670
My Comm. Expires Jun 1, 2024
Bonded through National Notary Assn.

Notary:
State of
County of

⇒ Taylor Nicole Shaner
Notary Public Signature

Notary Commission Number and expiration

1. Principal place of business is located within the boundaries of: ✓ Lee County / Collier County / Non-Local

   Local Business Tax License # 0902547

2. Address of Principal Place of Business: 13350 Richenbacker Parkway, Fort Myers, FL 33913

3. Number of years at this location: 20 years
4. Have you provided goods or services to Lee County on a regular basis within the past 3 consecutive years: X Yes* / No — *If yes, attach contractual history for past 3 consecutive years
5. Number of available employees for this Contract: 450
6. Does your company have a Drug Free Workplace Policy: X Yes / No

Work Performed for Lee County Board of Commissioners in last 3 years

Contract		Status	Start Mont	Customer	
236818-	Pondella Rd-B170265/ANB Alternative Paving Methods	Final	4/1/2018	47098	Lee County Bd of Commissioners
242318-	Corkscrew Rd Turn Lane Improvements	Final	10/1/2018	47098	Lee County Bd of Commissioners
244018-	Estero Blvd Repair	Final	12/1/2018	47098	Lee County Bd of Commissioners
245619-	Oak Creek Road Resurfacing-Lee County B180007ANB	Final	3/1/2019	47098	Lee County Bd of Commissioners
245919-	Spanish Wells And Bonita Beach Road INT Improvements	Final	4/1/2019	47098	Lee County Bd of Commissioners
247719-	Burgundy Farms Road Paving	Final	6/1/2019	47098	Lee County Bd of Commissioners
247019-	B190119MRH Del Prado Blvd. Rd Resurfacing & ADA Improvements	Final	7/1/2019	47098	Lee County Bd of Commissioners
249619-	Solid Waste Buckingham Campus	Final	9/1/2019	47098	Lee County Bd of Commissioners
250619-	Lee Hendry Landfill Asphalt Repair (Felda)	Final	12/1/2019	47098	Lee County Bd of Commissioners
252019-	Labelle Transfer Station Asphalt Repair (Forestry Divsion)	Final	12/1/2019	47098	Lee County Bd of Commissioners
252419-	Concrete Flume Build/Restoration	Final	12/1/2019	47098	Lee County Bd of Commissioners

VER 7-13-2020

Form 6-Sub-contractor/consultant List

LEE COUNTY
SOUTHWEST FLORIDA

SUB-CONTRACTOR/CONSULTANT LIST

Sub-Contractor/Consultant Company Name	Area Of Work	Point Of Contact Or Project Supervisor	Contact Info Phone or Email	Qualified DBE, MBE, WBE, VBE or Similar	Amount or Percentage of Total
American Infrastructure Services	Signalization	Doug McIntyre	239-961-2004	N/A	$437,811.25
Others to be determined					

Please include sub-contractor/consultant name, area of work (i.e. mechanical, electrical, etc.) and a **valid** phone number and/or email. Also include the dollar value or percentage that the sub-contractor/consultant will be performing. If sub-contractor/consultant qualifies as a current certificate Florida Certified Business Enterprise such as MBE, WBE, DBE, VBE or similar please indicate such above and provide proof of certification.

Public Entity Crime Form

This form must be signed and sworn to in the presence of a notary public or other officer authorized to administer oaths.

1. This sworn statement is submitted to Lee County BOCC
(*Print name of the public entity*)

by Christie Alvaro, Asst. Corp. Sec.
(*Print individual's name and title*)

for Ajax Paving Industries of Florida, LLC
(*Print name of entity submitting sworn statement*)

whose business address is One Ajax Drive, North Venice FL 34275

(If applicable) its Federal Employer Identification Number (FEIN) is 26-1871966

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: On the attached sheet.) Required as per IRS Form W-9.

2. I understand that a "public entity crime" as defined in Section 287.133(1) (g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, a bid or contract for goods or services to be provided to any public entity or agency or political subdivision or any other state or of the Unites States, and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Section 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "affiliate" as defined in Section 287.133(1)(a), Florida Statutes, means:
   1. A predecessor or successor of a person convicted of a public entity crime:
   or:
   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those offices, directors, executives, partners, shareholders, employees, members and agents who are active in the management of the affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not fair market value under an arm's length Agreement/Contract, shall be a facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

5. I understand that a "person" as defined in Section 287.133(1) (c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of the entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting those sworn statement. (*Please indicate which statement applies*)

X Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity nor affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearing and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Christie Alvarez SEAL

(*Signature*) Christie Alvarez, Asst. Corp. Sec.

March 8, 2021

(*Date*)

STATE OF Florida

COUNTY OF Sarasota

Sworn to (or affirmed) and subscribed before me, by means of ☑ physical presence or ☐ online notarization, this 8th day of March 20___, by _____ who has produced

(Print or Type Name)

n/a - (personally known) as identification.

(Type of Identification and Number)

Taylor Nicole Shaner

Notary Public Signature

TAYLOR NICOLE SHANER
Notary Public - State of Florida
Commission # HH 005670
My Comm. Expires Jun 1, 2024
Bonded through National Notary Assn.

_____

Printed Name of Notary Public

_____

Notary Commission Number/Expiration

TRENCH SAFETY

Contractor/vendor acknowledges that included in the appropriate Solicitation items of the Solicitation and in the total Solicitation price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990. The contractor/vendor further identifies the costs of such compliance to be summarized below:

	Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
A.	N/A				
B.					
C.					
D.					

TOTAL $_____

If applicable, the contractor/vendor certifies that all trench excavation done within its control in excess of five feet (5') in depth shall be in accordance with the Florida Department of Transportation's Special Provisions Article 125-1 and Sub-article 125-4.1 (TRENCH EXCAVATION SAFETY SYSTEM AND SHORING, SPECIAL-TRENCH EXCAVATION).

Failure to complete the above may result in the Solicitation being declared non-responsive.

Christie Alvaro
(*Signature*) Christie Alvaro, Asst. Corp. Sec.
Ajax Paving Industries of Florida, LLC
(*Company Name*)

AJAX PAVING INDUSTRIES OF FLORIDA, LLC CORPORATE SEAL 2008

STATE OF Florida
COUNTY OF Sarasota

The foregoing instrument was signed and acknowledged before me, by means of ☐ physical presence or ☐ online notarization, this 8th day of March 2021, by Christie Alvaro, Asst. Corp. Sec. who has produced

(Print or Type Name)

n/a - (personally known) as identification.
(Type of Identification and Number)

Taylor Nicole Shaner
(NOTARY PUBLIC)

My Commission Expires: _____

TAYLOR NICOLE SHANER
Notary Public - State of Florida
Commission # HH 005670
My Comm. Expires Jun 1, 2024
Bonded through National Notary Assn.

BID BOND

Complete EITHER Lee County Paper Bid Bond OR provide cashier's check

KNOW ALL MEN BY THESE PRESENTS, that we

Ajax Paving Industries of Florida, LLC. as Principal, and
(BIDDER'S Name)
Liberty Mutual Insurance Company a corporation licensed to do
(Surety's Name)
business under the laws of the State of Florida as a Surety, are held and firmly bound unto LEE COUNTY BOARD OF COUNTY COMMISSIONERS, LEE COUNTY, FLORIDA, a political subdivision of the State of Florida,
in the SUM OF Five Percent of the Amount of Bid----------(5%)
for the payment whereof, well and truly to be made, we bind ourselves, our heirs, successors, personal representatives and assigns, jointly and severally, firmly, by these presents.

SIGNED AND SEALED this 10th day of March, 2021

WHEREAS, said Principal is herewith submitting a Bid/Proposal for the project know as:

B210113DWJ - Corkscrew Road and Puente Lane Intersection Improvements

NOW, THEREFORE, the condition of the above obligation is such that if said Principal shall be Awarded the Contract upon said Bid/Proposal within the specified time and shall enter into a written Contract, satisfactory in form, provide an acceptable Public Performance and Payment Bond from a Surety acceptable to the County and provide other insurance as may be required to the County within seven (7) calendar days after the written Notice of Intent to Award date, or within such extended period as the County may grant, then this obligation shall be null and void; otherwise said Principal and Surety shall pay to said County in money the difference between the amount of the Bid of said Principal and the amount for which said County may legally contract with another party to perform said Work, if the latter amount be in excess of the former, together with any expenses and reasonable attorney's fees incurred by said County if suit be brought hereon, but in no event shall said Surety's liability exceed the penal sum hereof plus such expenses and attorney's fees. For purposes of unsuccessful bid protests filed by the Principal herein, this obligation shall bind the Surety to pay costs and damages associated with the bid protest or delays to the project upon a finding from the Board of County Commissioners for Lee County that the bid protest was frivolous and/or lacked merit. The liability of the Surety shall not exceed the penal sum of the bid bond.

Witness as to Principal:

(By)

Ajax Paving Industries of Florida, LLC (SEAL)
(Principal)
By:
Printed Name

Witness as to Surety:

Nick Ashburn

Liberty Mutual Insurance Company (SEAL)
(Surety's Name)
By:
(By-As Attorney-in-Fact, Surety)
Holly Nichols

Affix Corporate Seals and attach proper Power of Attorney for Surety.

Liberty Mutual. SURETY

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8198086-013068

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Anne Barick; Holly Nichols; Jason Rogers; Mark Madden; Michael D. Lechner; Nicholas Ashburn; Paul M. Hurley; Richard S. McGregor; Robert D. Heuer

all of the city of Rochester Hills state of MI each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 30th day of November, 2018.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: _____
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 30th day of November, 2018 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 28, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.
Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 10th day of March, 2021.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.

FDOT

Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAULT, P.E.
SECRETARY

February 5, 2021

AJAX PAVING INDUSTRIES OF FLORIDA LLC
ONE AJAX DRIVE
NORTH VENICE, FLORIDA 34275-3624

REVISED
RE: CERTIFICATE OF QUALIFICATION

Dear Sir/Madam:

The Department of Transportation has qualified your company for the type of work indicated below. Unless your company is notified otherwise, this Certificate of Qualification will expire 6/30/2021. However, the new application is due **4/30/2021**.

In accordance with S.337.14 (1) F.S. your next application must be filed within (4) months of the ending date of the applicant's audited annual financial statements.

If your company's maximum capacity has been revised, you can access it by logging into the Contractor Prequalification Application System via the following link: HTTPS://fdotwp1.dot.state.fl.us/ContractorPreQualification/

Once logged in, select "View" for the most recently approved application, and then click the "Manage" and "Application Summary" tabs.

FDOT APPROVED WORK CLASSES:
DRAINAGE, ELECTRICAL WORK, FLEXIBLE PAVING, GRADING, GRASSING, SEEDING AND SODDING, GUARDRAIL, HOT PLANT-MIXED BITUM. COURSES, INTERMEDIATE BRIDGES, MINOR BRIDGES, PORTLAND CEMENT CONCRETE ROADWAY PAVING, ROADWAY SIGNING, SIDEWALK, TRAFFIC SIGNAL, MILLING, UNDERGROUND UTILITIES (WATER & SEWER).

You may apply for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.0041(3), Florida Administrative Code (F.A.C.), by accessing your most recently approved application as shown above and choosing "Update" instead of "View." If certification in additional classes of work is desired, documentation is needed to show that your company has done such work with your own forces and equipment or that experience was gained with another contractor and that you have the necessary equipment for each additional class of work requested.

All prequalified contractors are required by Section 14-22.006(3), F.A.C., to certify their work underway monthly in order to adjust maximum bidding capacity to available bidding capacity. You can find the link to this report at the website shown above.

Sincerely,

Darlene Anderson, for

Alan Autry, Manager
Contracts Administration Office

AA:cg

Ron DeSantis, Governor

Halsey Beshears, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

HORAN, MICHAEL ALAN

AJAX PAVING INDUSTRIES OF FLORIDA LLC
ONE AJAX DRIVE
NORTH VENICE FL 34275

LICENSE NUMBER: CGC1516738

EXPIRATION DATE: AUGUST 31, 2022

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ajax Paving
Industries of Florida, LLC

An Equal Opportunity Employer

One Ajax Drive • North Venice, FL 34275
Main: 941.486.3600 • Fax: 941.486.3500

RESOLUTION OF THE BOARD OF DIRECTORS OF

AJAX PAVING INDUSTRIES OF FLORIDA, LLC

Resolved, that the following individuals are authorized to enter into contracts and sign bonds with all governmental agencies, municipalities, private developers, and contractors for work performed on behalf of **AJAX Paving Industries of Florida, LLC**. In addition, resolved, that the following individuals have written authorization to acknowledge receipt of payment by signature on an appropriate Partial, Conditional or Final Waiver, process the filling of a Claim of Lien, Notice of Non-Payment or Satisfaction of Lien according to the Mechanics Lien Law, or process the recovery of outstanding monies due, through the means of Small Claims Court on behalf of **AJAX Paving Industries of Florida, LLC**, authorized to transact business in the State of Florida in the following manner:

Michael A. Horan
Chief Executive Officer/Manager

Vince Hafeli
President

Scott Pittman
Vice President of Operations North Region

Andre DeCraene
Vice President of Operations South Region

David Reid
GM of Business Development

Joseph Minich
Area Manager Tampa

Felipe Jaramillo
Alternative Contracting Project Manager

Steve Ayers
Alternative Contracting Project Manager

Matt Desotell
Area Manager Ft. Myers

Matt Horan
Area Manager Sarasota

Natalie Woody
Secretary/Treasurer

Christie Alvaro
Assistant Secretary

Jamie Simmons
Assistant Secretary

Ryan Pulmer
Director of Finance

GUY HURLEY
INSURANCE & SURETY SERVICES

August 3, 2020

TO WHOM IT MAY CONCERN:

RE: Ajax Paving Industries of Florida, LLC

The purpose of this letter is to advise you of the surety bond capacity and reputation of Ajax Paving Industries of Florida, LLC. We have had the continuing privilege of providing surety bonds for this company for more than 30 years.

We write bonds for Ajax Paving Industries of Florida, LLC through Liberty Mutual Insurance Company and extend to them a surety line in excess of $200,000,000.00 per single project and $500,000,000.00 in aggregate. Liberty Mutual Insurance Company is licensed to business in all states and has an A.M. Best Rating of "A" with a financial size of Class "XV". Liberty Mutual Insurance Company's Treasury Listing is $1,289,139,000.00.

Ajax Paving Industries of Florida, LLC is a professionally managed organization with an excellent reputation. They have an experienced organization and are well financed. We recommend Ajax Paving Industries of Florida, LLC to you without reservation.

Upon the request of Ajax Paving Industries of Florida, LLC, we will be pleased to execute Performance and Payment Bonds. This letter is not an assumption of liability, nor is it a bid or performance bond. The surety reserves the right to review the file and contract terms and conditions for acceptance prior to the authorization or execution of any performance and payment bonds.

Sincerely,

LIBERTY MUTUAL INSURANCE COMPANY

Holly Nichols, Attorney-in-fact

DIRECT 248 519 1400 | FAX 248 519 1401 | 989 E. South Boulevard, Suite 200 | Rochester Hills, MI 48307

CORPORATE SUBSTANCE ABUSE PROGRAM

STATEMENT OF POLICY

This Company has a legal responsibility to comply with the **United States Department of Transportation's (US DOT)** regulations regarding the testing of Company employees. To accomplish that end, the Company cannot condone and will not tolerate any of the following behaviors by its employees:

A. Use of illicit drugs.
B. Abuse of legal drugs (prescription or over-the-counter).
C. Abuse of alcohol.
D. Sale, purchase, transfer or use or possession of illegal drugs or prescription drugs obtained illegally.
E. Arrival for work under the influence of drugs or alcohol.

Should any of the above mentioned behaviors be detected, the Company will terminate the employee.

The testing of an employee's urine for drugs is an effective means to identify those in need of treatment or disciplinary action. However, the urine testing program is intended to supplement, not replace, other means of drug or alcohol detection.

Michael A. Horan
President

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

▶ Go to *www.irs.gov/FormW9* for instructions and the latest information.

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.

Ajax Paving Industries of FL, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

☑ Individual/sole proprietor or single-member LLC ☐ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ P

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.

One Ajax Drive

6 City, state, and ZIP code

North Venice, FL 34275

Requester's name and address (optional)

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN,* later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

			–			–				

or

Employer identification number

2	6	–	1	8	7	1	9	6	6

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here | **Signature of U.S. person** ▶ [signature] **Date** ▶ 2/16/21

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to *www.irs.gov/FormW9.*

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 5/15/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Linda Weal	
Guy Hurley, LLC 989 E. South Boulevard Suite 200 Rochester Hills MI 48307	PHONE (A/C, No, Ext): (248)519-1429	FAX (A/C, No): (248)519-1401
	E-MAIL ADDRESS: lweal@ghbh.com	

INSURED	INSURER(S) AFFORDING COVERAGE		NAIC #
Ajax Paving Industries of Florida, LLC One Ajax Drive North Venice FL 34275	INSURER A: The Travelers Indemnity Co.	A+XV	25658
	INSURER B: XL Insurance America Inc.	A+XV	24554
	INSURER C: ACIG Insurance Company	A VIII	19984
	INSURER D: Travelers Prop Casualty Co.	A+XV	25674
	INSURER E:		
	INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** 20-21 Dan **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR X XCU Coverage Included X Contractual Liability GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:			VTC2KC08A097342	6/1/2020	6/1/2021	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 300,000 $ 5,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS X HIRED AUTOS [X] NON-OWNED AUTOS			VTC2KCAP8A097354	6/1/2020	6/1/2021	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 2,000,000 $ $ $ $
B	X UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $			US00091416LI	6/1/2020	6/1/2021	EACH OCCURRENCE AGGREGATE $	$ 5,000,000 $ 5,000,000 $
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WCA000004620	6/1/2020	6/1/2021	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D	Inland Marine			QT6308A099255	6/1/2020	6/1/2021	Leased/Rented	$550,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

EVIDENCE OF COVERAGE

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Richard McGregor/WEAL

AJAX PAVING INDUSTRIES OF FLORIDA, LLC.

CONSTRUCTION EXPERIENCE OF PRINCIPAL SUPERVISORY PERSONNEL

INDIVIDUAL'S NAME	POSITION/OFFICE	TYPE OF WORK	YEARS EXPERIENCE	CAPACITY
Michael A. Horan, P.E.	Chief Executive Officer, Manager	5,6,7,8,9,10	43	Civil Engineer/Manager
Vince Hafeli	President	5,6,7,8,9,10	34	Engineer/Manager
Natalie Woody, P.E.	Secretary/Treasurer	5,6,7,8,9,10	12	Enginner/Secretary/Treasurer
Scott Pittman, P.E.	VP of Operations - North Region	5,6,7,8,9,10	21	Civil Engineer/Manager
Andre DeCraene	VP of Operations - South Region	5,6,7,8,9,10	21	Engineer/Manager
Tom Daquanna	Construction Manager - Tampa	5,6,7,8,9,10	34	Engineer/Manager
Matt Horan	Area Manager - Sarasota	5,6,7,8,9,10	10	Civil Engineer/Project Manager
Matthew Desotell	Area Manager - Fort Myers	5,6,7,8,9,10	8	Civil Engineer/Project Manager
Joe Minich	Area Manager - Tampa	5,6,7,8,9,10	20	Civil Engineer/Estimator
Mike Woody	TPR Coordinator	5,6,7,8,9,10	6	Project Engineer
Mike Curle	Quality Control Manager - Asphalt	5,6,7,8,9,10	23	Quality Control Manager
John Savage	Project Manager	5,6,7,8,9,10	20	Quality Control Manager
Rusty Reynolds	Asphalt Plant Operations Manager	5,6,7,8,9,10	35	Asphalt Plant Operations Manager
Mickey Cox	General Manager - Plants and Materials	5,6,7,8,9,10	28	Asphalt Plant Operations Manager
Jim Price, P.E.	Project Manager	5,6,7,8,9,10	23	Civil Engineer/Project Manager
Dale Purcell	Construction Manager	5,6,7,8,9,10	24	Construction Manager
Jayson Brown, P.E.	Project Manager	5,6,7,8,9,10	12	Civil Engineer/Project Manager
Jason Prokopetz, P.E.	Project Manager	5,6,7,8,9,10	20	Civil Engineer/Project Manager
Mike Morgan, P.E.	Project Manager	5,6,7,8,9,10	34	Civil Engineer/Project Manager
Linda Bailey	EEO Officer	5,6,7,8,9,10	12	EEO Officer
Mandy Kustra	Safety Director	5,6,7,8,9,10	19	Safety Director
Eric Green	Safety Manager	5,6,7,8,9,10	14	Safety Manager
Bob Kern	Safety Manager	5,6,7,8,9,10	2	Safety Manager
Steve Ayers	Design Build Project Director	5,6,7,8,9,10	45	Engineer/Manager
Felipe Jaramillo, P.E.	Alternative Contracting Project Manager	5,6,7,8,9,10	17	Civil Engineer/Project Manager
Jerry Hunt	Construction Manager	5,6,7,8,9,10	42	Construction Manager
Garrett Fons	Construction Manager	5,6,7,8,9,10	21	Construction Manager
Roger Owens	Project Manager	5,6,7,8,9,10	35	Project Engineer
Nathan Hassler, P.E.	Project Manager	5,6,7,8,9,10	11	Project Engineer
Clayton Cross	Project Manager	5,6,7,8,9,10	18	Project Engineer
Chris Stewart	Project Superintendent	5,6,7,8,9,10	28	Foreman/Superintendent
Wally Cabral	Project Superintendent	5,6,7,8,9,10	40	Foreman/Superintendent
Ralph Bridger	Project Superintendent	5,6,7,8,9,10	43	Foreman/Superintendent
Joseph Dutton	Project Superintendent	5,6,7,8,9,10	29	Foreman/Superintendent
Brian Pittman	Asphalt Paving Superintendent	5,6,7,8,9,10	15	Foreman/Superintendent
Christie Alvaro, P.E.	Senior Estimator	5,6,7,8,9,10	22	Civil Engineer/Senior Estimator
Dave Reid	Senior Estimator	5,6,7,8,9,10	26	Senior Estimator

Type of Work:

5 Grading (Includes Clearing and Grubbing, Excavation and Embankment
6 Drainage (All Storm Drains, Pipe Culverts, Culverts, etc.)
7 Flexible Paving (Includes Limerock, Shell Base and other Optional Base Courses, Soil-Cemented Base, Mixed-in-Place Bituminous Surface Treatments, and Stabilizing)
8 Portland Cement Concrete Paving
9 Hot Plant-Mixed Bituminous Structural and Surface Courses
10 Milling

Ajax Paving Industries of Florida, LLC

An Equal Opportunity Employer

One Ajax Drive • North Venice, FL 34275
Main: 941.486.3600 • Fax: 941.486.3500

NAME OF FIRM: **AJAX PAVING INDUSTRIES OF FLORIDA, LLC.** **Established 1981**
Federal ID #26-1871966

One Ajax Drive
North Venice, FL 34275
Phone No. (941) 486-3600 Fax No. (941) 486-3500

Michael A. Horan, Chief Executive Officer
Vince Hafeli, President
Scott Pittman, Vice President, Tampa
Andre DeCraene, Vice President
Jason Wescoat, Controller
Ginger Johnson, Assistant Controller
Steve Ayers, Area Manager, North Venice
Matthew Horan, Assistant Area Manager, North Venice
Matthew Desotell, Area Manager, Fort Myers

BANK REFERENCE:

KeyBank National Association
127 Public Square
Cleveland, OH 44114
Email: national_credit_inquiry@keybank.com
Bank reference requests – fax directly to:
KeyBank Credit Inquire 1-330-489-5691
Account No. XXXXXXXX6883

CREDIT REFERENCES:

JASON'S HAULING, INC.
1306 E. 4th Avenue
Tampa, FL 33605
(813) 872-8440
Fax (813) 875-7202
Contact: Isabel Morris
imorris@jasonshauling.com

MARATHON PETROLEUM CO., LLC
1000 Ashland Drive, Suite 201
Ashland, Kentucky 41101
(606) 326-2527 Kathy Crawford
Fax (606) 326-2549
Contact: Shei Hammer
slhammer@marathonpetroleum.com
Contact: Krisann Pardee
kdpardee@marathonpetroleum.com

G.S. EQUIPMENT COMPANY
1023 S. 50th Street
Tampa, FL 33619
1-800-229-4971 Fax (813) 247-3397
(813) 248-4971
Contact: Ray Ferwerda
doriw@gsequipment.net

MARTIN MARIETTA AGGREGATES
3019 Riverwatch Pkwy
Augusta, GA 30907
(706)) 854-6340
Fax (706) 868-6846
Contact: Lisa Cayruth
southeastdivision.credit@martinmarietta.com

E-Verify
Employment Eligibility Verification

Welcome Ingrid Delaney | User ID | Last Login 01:31 PM - 01/11/2016 | Log Out

Click any ? for help

Home
My Cases
New Case
View Cases
Search Cases
My Profile
Edit Profile
Change Password
Change Security Questions
My Company
Edit Company Profile
Add New User
View Existing Users
Close Company Account
My Reports
View Reports
My Resources
View Essential Resources
Take Tutorial
View User Manual
Share Ideas
Contact Us

Company Information

Company Name:	Ajax Paving Industries of Florida, LLC	View / Edit
Company ID Number:	390402	
Doing Business As (DBA) Name:		
DUNS Number:	032436479	

Physical Location:		**Mailing Address:**
Address 1:	One Ajax Drive	**Address 1:**
Address 2:		**Address 2:**
City:	North Venice	**City:**
State:	FL	**State:**
Zip Code:	34275	**Zip Code:**
County:	SARASOTA	

Additional Information:

Employer Identification Number: 261871966
Total Number of Employees: 100 to 499
Parent Organization:
Administrator:

Organization Designation:

Employer Category: None of these categories apply

NAICS Code:	237 - HEAVY AND CIVIL ENGINEERING CONSTRUCTION	View / Edit
Total Hiring Sites:	2	View / Edit
Total Points of Contact:	2	View / Edit

[redacted]

Completed Contracts

AJAX PAVING INDUSTRIES OF FLORIDA LLC

Contract Amount	Year Completed	Project Name City/County	Name & Address of Official to Whom You Refer
$223,889.69	2020	95th Ave North Public Utility Renewal Naples, FL	Douglas N Higgins 4485 Entyerprise Avenue Naples, FL 34104
$3,063,188.08	2020	West Villages Parkway Intersection Improvements North Port, FL	West Villages Improvement District 19503 S West Villages Parkway Venice, FL 34293
$1,967,473.21	2020	FPN 439432 (T1753) Mill & Resurface US 301 (Man) Manatee County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$106,350.99	2020	Labelle Airport - Construct Access Road - Rodeo Drive Hendry County, FL	Owen-Ames-Kimball Company 11941 Fairway Lakes Dr. Fort Myers, FL 33913
$127,671.54	2020	City Of Moore Haven Mill And Pave Repairs City of Moore Haven, FL	City of Moore Haven PO Box 399, Moore Haven, FL 33471
$514,684.51	2020	E. Interlake Boulevard Resurfacing Highlands County, FL	Highlands County BOCC 600 South Commerce Ave Sebring, FL 33870
$119,350.00	2020	Palm CT And 25th Street Level And Overlay Glades County, FL	Glades County BOCC P.O. Box 1527 Moore Haven, Florida 33471
$78,250.00	2020	Whidden Rd. (County Line Rd.) Level And Overlay Glades County, FL	Glades County BOCC P.O. Box 1527 Moore Haven, Florida 33471
$4,649,829.70	2020	T1602 SR 31 431959 Charlotte County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$5,074,685.46	2020	T1628 SR 78 (Bayshore Rd) Lee 430119 Lee County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$7,480,998.88	2019	FPN 436586 (T1706) Mill/Resurface SR 35 And SR 64 Hardee County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$1,056,302.78	2019	FPN 438378 (T1739) Mill/Resurface SR 776 Charlotte County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$49,658.98	2019	Michigan/Kentucky St Mill And Pave 2019 Lee County B180007ANB Lee County, FL	City of Bonita Springs 9101 Bonita Beach Road Bonita Springs, FL 34135
$355,379.78	2019	Intersection Improvements, Cortez Road At 43rd Manatee County, FL	Manatee County 1112 Manatee Avenue Wst Bradenton, FL 34205
$59,387,878.17	2019	E1Q29 SR 82 Lee 425841 Lee County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$766,434.05	2019	Preto Blvd., West Villages Improvement District Sarasota County, FL	Frederick Derr & Company, Inc. 3801 North Orange Avenue Sarasota, FL 34230
$297,426.30	2019	Fort Hamer Road Extension Phase I Owner: Manatee County	Fieldstone Community Development District 5800 Lakewood Ranch Boulevard Sarasota, FL 34240
$1,364,638.44	2019	Piper Road North Extension	Wright Construction Group, Inc.

		Owner: Charlotte County BOCC	5811 Youngquist Road Fort Myers, FL 33912
$987,144.65	2019	Mill/Resurface/Widen US 41 (E1P91) Sarasota County (FPN 422710) Owner: FDOT - District 1	Russell Engineering Inc. 2530 SE 36th Street Fort Lauderdale, FL 33312
$29,407,974.11	2018	T1687 SR 93 (I-75) 413042 Charlotte County, FL	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$727,464.16	2018	6th Street & Avenue R Glades County	City of Moore Haven 299 Riverside Drive
$1,137,118.80	2018	Del Prado Boulevard Resurfacing Lee County	Lee County Board of County Commissioners 1500 Monroe Street Fort Myers, FL 33901
$2,208,084.62	2018	Aspen Boulevard and Birchwood Parkway in Port LaBelle Resurfacing Glades County	Glades County Board of County Commissioners 500 Avenue J S.W. Moore Haven, FL 33471
$3,241,868.83	2018	Mill/Resurface/Widen SR 29 (E1Q75) Hendry County (FPN 436598	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$5,990,569.99	2018	Mill and Resurface SR 35 (US 17) (E1P89) DeSoto County (FPN 436920)	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$1,824,909.10	2018	Placida Sidewalk and Utility Construction Owner: Charlotte County BOCC	Guymann Construction 5686 Youngquist Road Fort Myers, FL 33912
$4,543,201.16	2018	Venice Rehabilitation of Public Use Aircraft Parking Aprons Sarasota County	City of Venice 401 West Venice Avenue Venice, FL 34285
$546,582.04	2018	F2013115/CONS-RESURF/1314 Owner: City of Punta Gorda	Wright Construction Group, Inc. 5811 Youngquist Road Fort Myers, FL 33912
$3,583,264.33	2018	Resurfacing FY 17, Area O & P Sarasota County	Sarasota County Board of County Commissioners 1660 Ringling Boulevard Sarasota, FL 34236
$3,691,649.44	2018	Mill and Resurface SR 758 (T1698) Sarasota County (FPN 436567)	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$630,045.30	2018	Lee County Tiger Grant - Corkscrew Rd. (University Loop Proj)	Owen-Ames-Kimball Company 11941 Fairway Lakes Dr. Fort Myers, FL 33913
$7,454,628.23	2018	T1572 SR45 (US 41) 429547/425132/429099	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$20,003,482.06	2017	Desing Build Golden Gate Boulevard 4-Lane, East of Wilson Boulevard Collier County	Collier County Board of County Commissioners 7400 Tamiami Trail, Suite 200 Naples, FL 34108
$2,305,273.76	2017	Mill and Resurface SR 31 (E1P93) Lee County (FPN 436638)	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$1,242,354.28	2017	Improvement to Estero Blvd. - Segmant 1	Chris-Tel Construction 2534 -A Edison Ave., Fort Myers, FL 33901
$26,233,899.56	2017	T1598 SR 93 (I-75) Charlotte & Sarasota 413044	Astaldi Construction Corp. 8220 SR 84 Davie, FL 33324
$9,186,876.99	2017	Rehabilitatin of Runway 5-23 & Associated Taxiways at Page Field	Owen-Ames-Kimball Company

		Lee County	11941 Fairway Lakes Dr. Fort Myers, FL 33913
$5,074,685.46	2017	T1628 SR 78 (Bayshore Rd.) Lee 430119	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$568,852.86	2017	Naples Airport-Taxiway D Extention	Owen-Ames-Kimball Company 11941 Fairway Lakes Dr. Fort Myers FL 33913
$802,321.13	2017	Helms Road Extension From SR 29 to SR 80 Ph 1 & Ph 2	Mitchell & Stark Construction Co. Inc. 6001 Shirley St. Naples, FL 34116
$2,329,939.85	2017	Boca Grande Roadway Resurfacing & Bike Path Widening Lee County	Lee County Board of County Commissioners 1500 Monroe Street Fort Myers, FL 33901
$2,431,258.45	2017	Mill and Resurface US 301 (E1O50) Manatee County (FPN 431212)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$18,494,639.13	2017	Road Bond 2015/2016 and Road Maintenance Project Sarasota County	City of North Port 4970 City Hall Boulevard North Port, FL 34286
$614,873.61	2017	Love's Travel Stop Glades County	Thompkin's Contracting, Inc. 3507 Lee Blvd., Suite 206A Lehigh Acres, FL 33971
$929,597.38	2016	SR881 (Colonial Blvd.) Interchange Access Modif F/B E1039	Florida Department of Transportation - Central 605 Suwannee St. Tallahassee, FL 32399-0450
$812,788.10	2016	Terminal Access Roadway Improvements Lee County	Wright Construction Corp. 5811 Younquist Road Fort Myers, FL 33916
$4,649,829.70	2016	Mill, Resurface and Widen SR 31 (T1602) Charlotte County (FPN 431959)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$5,863,384.62	2016	Mill and Resurface SR 45 (US 41) (E1O02) Charlotte County (FPN 431615)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$633,508.30	2016	White Boulevard & 23rd Street Intersection Improvements Collier County	Collier County Board of County Commissioners 7400 Tamiami Trail, Suite 200 Naples, FL 34108
$21,685,061.73	2016	Mill and Resurface SR 93 (I-75) (T1588) Charlotte County (FPN 413042)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$723,022.40	2016	Babcock Ranch - D-D Entrance Charlotte County	Kitson and Partners 17837 Murdock Circle, Unit B Port Charlotte, FL 33948
$503,588.56	2016	Walmart Neighborhood Market Lee County	McCleod Land Services 7405 28th Street Court East Sarasota, FL 34243
$2,413,203.83	2016	Gateway Roadways Rehabilitation Lee County	WCI Communities, Inc. 24301 Walden Center Drive Bonita Springs, FL 34134
$32,194,410.20	2016	Mill and Resurface SR 93 (I-75) (T1595) Collier County (FPN 406313)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$929,597.40	2016	SR 884 (Colonial Blvd) Interchange Access Modifications D/B (E1O39) Lee County	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$3,197,953.74	2016	FY2015 Major Road Paving Phase II	City of Cape Coral

		Lee County	1015 Cultural Park Boulevard Cape Coral, FL 33990
$713,682.25	2016	Mill and Resurface SR 82 (T1643) Lee County (FPN 434510)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$3,926,080.32	2015	LeeTran Lee County	Gilbane Building Company 8433 Enterprise Circle, Suite 200 Lakewood Ranch, FL 34202
$526,798.99	2015	Vineyards Resurfacing Collier County	Vineyards Community Association 75 Vineyards Boulevard Naples, FL 34119
$12,520,604.12	2015	Mill & Resurface SR 35 (US 17) (T1527) DeSoto County (FPN 417876)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$31,422,340.33	2015	Mill/Resurace/Add Lanes SR 93 (I-75) (T1414) Lee County (FPN 411042)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$1,032,748.46	2015	Mill & Resurface SR 80 East Hendry (T1506) Hendry County (FPN 408286)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$4,182,043.22	2015	Mill & Resurface SR 80 West Hendry (T1501) Hendry County (FPN 408286)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$448,936.25	2015	The Oaks Bayside Sarasota County	The Oaks Bayside HOA 311 Osprey Point Drive Osprey, FL 34229
$263,680.34	2015	The Shoppes at University Center Manatee County	Benderson Development Company, LLC. 7978 Copper Creek Blvd. University Park, FL 34201
$3,198,970.49	2015	CR 39 (Hillsborough County Road Reconstruction Term Contract) Hillsborough County	Hillsborough County Board of County Commissioners 601 E. Kennedy Boulevard Tampa, FL 33602
$5,843,911.95	2015	I-75 at C.R. 41 Design Build (E7I30) Pasco County	Granite Construction 6215 E. Sligh Avenue Tampa, FL 33617
$9,306,401.58	2015	Mill & Resurface SR 45 (US 41) (T7334) Hillsborough County (FPN 424550)	Florida Department of Transportation - District 7 11201 N. McKinley Drive Tampa, FL 33612
$1,658,008.18	2015	Design/Build Selmon Greenway Project - Phase 1 Tampa Hillsborough County Expressway Authority Hillsborough County	Tampa Hillsborough Expressway Authority 1104 E. Twiggs Street Tampa, FL 33602
$406,493.86	2015	Sarasota County Technical Institute - Phase 3 Sarasota County	McLeod Land Services, Inc. 7405 28th St. Court E Sarasota, Florida 34243
$3,297,839.94	2015	Road Bond Phase 1 Road Rehabilitation Project Sarasota County	City of North Port 4970 City Hall Boulevard North Port, FL 34286
$2,137,730.72	2015	Resurfacing, Knights Trail, Laurel Road Area & Various Roads Sarasota County	Sarasota County Board of County Commissioners 1660 Ringling Boulevard Sarasota, FL 34236
$450,569.88	2015	Pinebrook Road Sarasota County	City of Venice 401 West Venice Avenue Venice, FL 34285
$409,169.21	2015	Venice Avenue West Sarasota County	City of Venice 401 West Venice Avenue Venice, FL 34285
$9,075,779.94	2015	Charlotte County Paving Program 2014	Charlotte County Board of County Commissioners

		Charlotte County	18500 Murdock Circle Port Charlotte, FL 33948-1094
$958,477.49	2015	CR 733 Roadway Improvements Glades County	Glades County Board of County Commissioners 500 Avenue J S.W. Moore Haven, FL 33471
$17,386,844.09	2014	Mill and Resurface SR 93 (I-75) (T1509) Lee County (FPN 413041)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$7,454,628.23	2014	Mill and Resurface SR 45 (US 41) (T1572) Lee County (FPN 429547)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$749,734.78	2014	Naples Manor Sidewalk Improvements (Phase II) Collier County	Collier County Board of County Commissioners 7400 Tamiami Trail, Suite 200 Naples, FL 34108
$8,208,594.00	2014	Mill & Resurface SR 78 (Pine Island Rd.) (T1536) Lee County (FPN 413695)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$2,096,764.73	2014	Mill & Resurface SR 78 (T1555) Glades County (FPN 429100)	Lawrence Lynch Corporation, Inc. P.O. Box 1994 Okeechobee, FL 34973
$588,136.34	2014	Mill & Resurface SR 78 (T1568) Glades County	Lawrence Lynch Corporation, Inc. P.O. Box 1994 Okeechobee, FL 34973
$1,406,438.76	2014	County-Wide Resurfacing Roadway Improvements Contract - FY 14 Lee County	Lee County Board of County Commissioners 1500 Monroe Street Fort Myers, FL 33901
$1,220,679.38	2014	Mill/Resurface/Add Lanes SR 84 (Davis Blvd.) (T1477) Collier County (FPN 195416)	Guymann Construction 305 S.W. 3rd Street Cape Coral, FL 33991
$767,683.96	2014	County-Wide Resurfacing Roadway Improvement Contract - FY 13 Lee County	Lee County Board of County Commissioners 1500 Monroe Street Fort Myers, FL 33901
$588,136.34	2014	Mill & Resurface SR 78 (T1568) Highlands County (FPN 429102)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$693,627.70	2014	Hunter's Green Drive, Hunter's Lake Drive, & Hunter's Oak Court Hillsborough County	Hunter's Green Community Association 9456 Highland Oaks Drive Tampa, FL 33647
$605,274.75	2014	Gordon Food Service Drive Roadway Reconstruction Hillsborough County	City of Plant City P.O. Box C Plant City, FL 33564
$937,539.60	2014	Spring Hill Subdivision Area 3A - Roadway Resurfacing Project Hernando County	Hernando County BOCC 1525 E. Jefferson Street Brooksville, FL 34601
$1,590,000.00	2014	Mil & Resurface SR 64 (E1N97) Hardee County (FPN 431938	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830
$3,126,793.71	2014	Eagle's Nest District Roadway and Drainage Improvements Pinellas County	Town of Belleair 901 Ponce De Leon Boulevard Belleair, FL 33756
$8,662,208.86	2014	SR 574 (MLK Blvd) Mill/Resurface (T7310) Hillsborough County (FPN 427158)	Florida Department of Transportation - District 7 11201 N. McKinley Drive Tampa, FL 33612
$2,752,013.50	2014	Parnell Road (CR 671) and North Hammock Road Hardee County	Hardee County Board of County Commissioners 412 W. Orange Street, Room 103 Wauchula, FL 33873
$861,556.88	2014	Central County Landfill Re-Paving	Sarasota County Board of County Commissioners

		Sarasota County	1660 Ringling Boulevard Sarasota, FL 34236
$527,960.41	2014	Multi-County Asphalt Maintenance & Repair (E1K52-R0) District Wide (FPN 431417)	Florida Department of Transportation - District 1 801 North Broadway Avenue Bartow, FL 33830

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 10A- Asphalt Pavers		
101248	Paver 12 Roadtec RP-190	RP190x455
101249	Paver 12 Roadtec RP-190	RP190x456
101428	Paver 14 Roadtec RP-190	RP190EX3035
101518	Paver 15 Volvo PF4410 Track	PF4410-378058
101662	Paver 16 Roadtec RP-190E	RP190EX4064
101663	Paver 16 Roadtec RP-190E	RP190EX4065
101603	Paver 16 Volvo PF7170	P7170387067
101604	Paver 16 Volvo PF7170	P7170387071
101704	Paver 17 Roadtec RP-190E	RP-190EX4145
101755	Paver 17 Roadtec RP-190E	RP190EX4123
101737	Paver 17 Volvo PF2181	PF2181-376048
101746	Paver 17 Volvo PF7170	P7170-387083
101858	Paver 18 Roadtec RP-190E	RP-190E-4202
101859	Paver 18 Roadtec RP-190E	RP-190E-4203
101860	Paver 18 Roadtec RP-190E	RP-190E-4204
CATEGORY : 10B- Road Wideners		
100810	Paver Widener 08 Five Star Ind	1019
101372	Paver Widener 13 Weiler W530	W1149
CATEGORY : 10C- Curb Machine		
100461	Curb Machine 04 Gomaco GT-6200	903300096
100561	Curb Machine 05 Miller 650-8	J13160
101526	Screed 15 Terramite Steerable Roller	1501RSG02
CATEGORY : 14- RT Asphalt Rollers		
140413	Roller 7 Whl 04 Cat PS360B	CATPS360A9LS00315
140302	ROLLER 9WHL 03 BOMAG BW11RH	901A22202023
140303	ROLLER 9WHL 03 BOMAG BW11RH	901A22202032
140505	ROLLER 9WHL 05 BOMAG BW11RH	901A22202145
140511	ROLLER 9WHL 05 BOMAG BW11RH	901A22202143
140533	ROLLER 9WHL 05 BOMAG BW11RH	901A22202199
140660	Roller 9WHL 06 Bomag 530AH	901A22202243
140638	ROLLER 9WHL 06 BOMAG BW11RH	901A22202302
140639	ROLLER 9WHL 06 HYPAC C530AH	901A22202306
141743	Roller 9Whl 17 Cat CS16	CAT0CW16CTL500218
141751	Roller 9Whl 17 Cat CS16	CATOCW16ATL500259
141708	Roller 9Whl 17 Cat CW16	Cat0CW16CTL500260
141831	Roller 9Whl 18 Cat CW16	CAT0CW16TTL500267
141305	Roller 9WHL13 Bomag BW11RH	901A22231049
141306	Roller 9WHL13 Bomag BW11RH	901A22231095
141430	Roller 9WHL13 Bomag BW11RH	901A22231119
141572	Roller 9WHL15 Bomag BW11RH	901A22231159
141573	Roller 9WHL15 Bomag BW11RH	901A22231158
141715	Roller 9WHL17 Bomag BW11RH-5	861538721061
CATEGORY : 15A- Static 3/5 Asphalt Rollers		
150003	ROLLER 3/5 00 HYPAC C330B	9B15803617
150505	ROLLER 3/5 05 BOMAG BW5AS	901B15803864
150532	ROLLER 3/5 05 BOMAG BW5AS	901B15803829
150610	ROLLER 3/5 06 BOMAG BW5AS	901B15803871
150934	Roller 3/5 09 Bomag BW5AS	901B15811016
CATEGORY : 15B- Static 5/8 Asphalt Rollers		
150534	ROLLER 5/8 05 BOMAG BW9AS	901C14603428
150607	ROLLER 5/8 06 BOMAG BW9AS	901C14603453
150654	Roller 5/8 06 Hypac C340CW	14603454

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 15B- Static 5/8 Asphalt Rollers		
150718	ROLLER 5/8 07 BOMAG BW9AS	901C14603470
150719	ROLLER 5/8 07 BOMAG BW9AS	901C14603471
150721	ROLLER 5/8 07 BOMAG BW9AS	901C14603472
151669	Roller 5/8 16 Weiler C307	W1061
151671	Roller 5/8 16 Weiler C307	W1062
151707	Roller 5/8 17 Weiler C307	W1069
151747	Roller 5/8 17 Weiler C307	W1104
151754	Roller 5/8 17 Weiler C307	W1105
151760	Roller 5/8 17 Weiler C307	W1109
CATEGORY : 15C- Static 3 Whl Asphalt Rollers		
151632	Roller 3 Whl Steel Sakia R2H-4	1R7-70198
CATEGORY : 16A- Vibratory Asphalt Rollers		
161645	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50235
161646	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50238C
161647	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50240C
161653	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50239C
161674	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50205
161675	Roller DD Ocill 16 Sakia SW850 ND-II	4SW56-50207
161709	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50243
161710	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50244
161714	Roller DD Ocill 17 Sakia SW850 ND-II	4SWS56-50248
161715	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50249
161792	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50268
161793	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50253
161827	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50271
161828	Roller DD Ocill 17 Sakia SW850 ND-II	4SW56-50280
161128	Roller DD Vibo 11 Sakia SW850	4SW5650157C
161129	Roller DD Vibo 11 Sakia SW850	4SW5650156C
161324	Roller DD Vibo 13 Sakia SW850-II	4SW56-50191
161326	Roller DD Vibo 13 Sakia SW850-II	4SW56-50192
161328	Roller DD Vibo 13 Sakia SW850-II	4SW56-50193
161330	Roller DD Vibo 13 Sakia SW850-II	4SW56-50197
161418	Roller DD Vibo 14 Sakia SW850-II HF	4SW56-50163
161419	Roller DD Vibo 14 Sakia SW850-II HF	4SW56-50196
161516	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50208
161517	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50209
161518	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50210
161519	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50211
161562	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50232C
161563	Roller DD Vibo 15 Sakia SW850-II HF	4SW56-50233C
CATEGORY : 16B- Vibratory Pup Asphalt Rollers		
160160	Roller DD Vibo 01 cat CB224D	8RZ00543
160401	ROLLER DD VIBO 04 WACKER RD11A	5448311
160613	ROLLER DD VIBO 06 WACKER RD11A	5507889
160614	ROLLER DD VIBO 06 WACKER RD11A	5636351
161442	Roller DD Vibo 14 Sakia SW320-1	4SW50-40295
161537	Roller DD Vibo 15 Sakia 320-1	4SW50-40299C
161267	Roller DD Vibo Sakia HS66ST Walk Behind	VHS1-50179
CATEGORY : 16C- Vibratory Dirt Rollers		
160720	ROLLER DD VIBO 07 SAKIA SW850	VSW26-40199
CATEGORY : 20A- Field Loaders		
200204	LOADER 02 KAWASAKI 70ZV	70C4-5048

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 20A- Field Loaders		
200738	Loader 07 Cat 950H	K5K01419
200736	Loader 07 Komatsu WA380-6	A53276
200854	Loader 08 Komatsu WA250-5	72163
221104	Loader 11 Cat 980H	JMS06166
201124	Loader 11 J.D. 544K	1DW544KZJBD638606
201125	Loader 11 J.D. 544K	1DW544KZCBD638440
201122	Loader 11 Kawasaki 70ZV-2	70C5-5397
201237	Loader 12 Kawasaki 65ZV-2	65J4-5233
201325	Loader 13 Kawasaki 70ZV-2	70C5-5650
201327	Loader 13 Kawasaki 70ZV-2	70C5-5649
201329	Loader 13 Kawasaki 70ZV-2	70C5-5647
201344	Loader 13 Kawasaki 70ZV-2	70C5-5621
201811	Loader 15 Cat 950GC	CAT00950EM5T00377
201516	Loader 15 Cat 950M	CAT0950MVFTR00334
201420	Loader14 Kawasaki 70ZV-2	70C5-5652
201421	Loader14 Kawasaki 70ZV-2	70C5-5654
201648	Loader16 Cat 938M	CAT0938MHJ3R02266
201649	Loader16 Cat 938M	CAT0938MKJ3R02274
201637	Loader16 Kawasaki 70Z7	70C6-5586
201638	Loader16 Kawasaki 70Z7	70C6-5605
201609	Loader16 Volvo L90H	L90H623657
CATEGORY : 20B- Skid Loaders		
200627	SKID LDR 06 CAT 287B TRACK	OZSA03967
200811	Skid Ldr 08 ASV RCV Trk	RSG00411
200864	Skid Ldr 08 Bobcat A300B	A5GW20206
201041	Skid Ldr 09 Cat 287C C/A	0287CEMS01884
200924	Skid Ldr 09 Cat 287C C/A X	MAS01849
201240	Skid Ldr 09 Cat 289C2 C/A	0289CJRTD00630
201415	Skid Ldr 14 Kub SVL902HFC C/A	JKUC0902001S11847
201416	Skid Ldr 14 Kub SVL902HFC C/A	JKUC0902001S12746
201417	Skid Ldr 14 Kub SVL902HFC C/A	JKUC0902001S12772
201540	Skid Ldr 15 Bobcat T770	A3P814415
201522	Skid Ldr 15 Cat 299D DCA1	GTC01767
201610	Skid Ldr 16 Bobcat T770 T4	AT6311857
201611	Skid Ldr 16 Bobcat T770 T4	AT6311872
201668	Skid Ldr 16 Cat 299D2	FD200489
201744	Skid Ldr 17 Cat 299D2 CH2	CAT0299DPFD202387
201810	Skid Ldr 18 Cat 289D CH2	CAT0289DCTAW08844
201817	Skid Ldr 18 Cat 299D2 CH2	CAT0299DCFD203679
201818	Skid Ldr 18 Cat 299D2 CH2	CAT0299DEFD203681
201819	Skid Ldr 18 Cat 299D2 CH2	CAT0299DKFD203685
201831	Skid Ldr 18 Cat 299D2 CH2	CAT0299DEFD204362
201912	Skid Ldr 19 Cat 299D2 CH2	FD205886
201913	Skid Ldr 19 Cat 299D2 CH2	FD205892
201705	Skid Ldr17 Bobcat T770 T4	AT6313653
201729	Skid Ldr17 Bobcat T770 T4	AT6314096
201738	Skid Ldr17 Bobcat T770 T4	AT6314108
201785	Skid Ldr17 Bobcat T770 T4	AT6313167
201794	Skid Ldr17 Bobcat T770 T4	AT6315301
CATEGORY : 20C- Boxblade / Loaders		
200756	Boxblade/Loader 07 J.D. 210C	T0210LE888282
209887	Boxblade/Loader '98 Massey 9789 4x4	G16008
CATEGORY : 20D- Backhoe / Loaders		
200617	Backhoe/Loader 06 Case 580M2	N5C389919

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Equip#	Desciption	Serial#
CATEGORY : 20D- Backhoe / Loaders		
200618	Backhoe/Loader 06 Case 580M2	N5C390164
200616	Backhoe/Loader 06 Cat 420EXH	HLS00224
201228	Backhoe/Loader 12 J.D. 310J	1TO31OJXJBD212902
201229	Backhoe/Loader 12 J.D. 310J	1T0310JXKA0186466
CATEGORY : 20E- Excavators		
200501	Excavator 05 Cat 304CR	NDA03741
200703	Excavator 07 Komatsu PC228	40188
200858	Excavator 08 Cat 304C CR	FPK03787
201025	Excavator 10 Cat 304C CR	Cat0304CAFPK06419
201026	Excavator 10 Cat 304C CR	Cat0304CCFPK06420
201027	Excavator 10 Cat 304C CR	Cat0304CLFPK06387
201341	Excavator 13 J.D. 225DLC	1FF225DXHCD502288
201430	Excavator 14 Takeuchi TB260CR	126100359
201657	Excavator 15 Volvo EC350EL	C350E310200
201821	Excavator 18 Komatsu PC138USLC-11	52178
201829	Excavator 18 Komatsu PC138USLC-11	52177
201907	Excavator 19 Komatsu PC55MR-5	21216
201270	Excavator12 Volvo EC250 DL	210236
201525	Excavator15 Cat 328D LCR	CAT0328DARMX01076
201559	Excavator15 Volvo EC350EL	EC350EL310089
CATEGORY : 22A- Plant Loaders		
220909	Loader 09 Cat 966H	CAT0966HPA6D02331
221123	Loader 11 Kawasaki 90ZV-2	90C5-5304
221323	Loader 13 Kawasaki 95Z-7	97J1-5009
221658	Loader 16 Cat 982M	K1Y00648
221609	Loader 16 Komatsu WA500-7	A94431
221766	Loader 17 Cat 966M	CAT0966MKEJA01592
221784	Loader 17 Cat 966M	CAT0966MKKJP02559
221701	Loader 17 Kawasaki 95Z-7	97J1-5192
221856	Loader 18 Cat 982M	MK610195
CATEGORY : 22B- Plant Skid Loaders		
220334	SKID LDR 03 BOBCAT 753	515844964
220417	SKID LDR 04 BOBCAT S160	526711816
220648	SKID LDR 06 BOBCAT S160	529911673
220703	SKID LDR 07 BOBCAT S160	529912574
220932	Skid Ldr 09 Cat 246C	JAY03422
220933	Skid Ldr 09 Cat 246C	JAY03421
221787	Skid Ldr 17 J.D. 318G	1T0318GJPHJ315763
221788	Skid Ldr 17 J.D. 318G	1T0318GJCHJ314920
CATEGORY : 25A- Paving Service Trucks		
251227	Truck Service 12 Ford F750	3FRNW7FJ6CV304543
251401	Truck Service 14 Int'l 4300 SBA	3HAMMAAMXEL496699
251440	Truck Service 14 Int'l 4300 SBA	3HAMMAAM9EL785511
251636	Truck Service 16 Int'l 4300 SBA	3HAMMMMP4GL153395
251641	Truck Service 16 Int'l 4300 SBA	3HAMMMMM1GL153120
251797	Truck Service 17 Ford F650	1FDNW6DC8HDB11178
251798	Truck Service 17 Ford F650	1FDNW6DCXHDB11179
251731	Truck Service 17 Int'l 4300 SBA	1HTMMMMM9HH672214
251937	Truck Service 19 Ford F750	1FDNW7DC6KDF00558
251948	Truck Service 19 Ford F750	1FDWW7DX0KDF10574
CATEGORY : 25B- Grading Service Trucks		
250603	Truck Service 06 Ford F350 4x4	1FDWF35P36EB61207

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CATEGORY : 25B- Grading Service Trucks		
251237	Truck Service 12 Ford F350	1FT8X3A60CEB89033
251214	Truck Service 12 Ford F550 C/C	1FD0W5GT1CEC50880
251272	Truck Service 12 Int'l Terrastar	1HTJSSKK4CJ383645
251339	Truck Service 13 Ford F350	1FDRF3G67DEA81424
251503	Truck Service 15 Ford F350	1FDRF3G61FEA44436
251504	Truck Service 15 Ford F350	1FDRF3G64FEC47580
251640	Truck Service 16 Ford F350	1FT8W3DT6GEC01051
251713	Truck Service 17 Ford F350	1FT8W3DT2HEC06524
251765	Truck Service 17 Ford F550	1FD0W5HT5HEC38690
251816	Truck Service 18 Ford F350	1FDRF3G62JEC21648
251939	Truck Service 19 Ford F350	1FD8W3H63KEF79157
251934	Truck Service 19 Ford F550	1FD0W5HT8KEC00118
251946	Truck Service 19 Ford F550	1FD0W5HT4KEF35649
251947	Truck Service 19 Ford F550	1FD0W5HT2KEF35648
251949	Truck Service 19 Ford F550	1FD0W5HT3KEC63272
251953	Truck Service 19 Ford F550	1FD0W5HT5KEC63273
258914	Truck Service 89 Ford L8000	1FDXR82A1LVA17966
259812	Truck Service 98 Ford F600	1FDWK64PXKVA42241
CATEGORY : 25C- Mechanic Trucks		
251116	Truck 11 Ford F550	1FDUF5HT6BEC21101
251532	Truck 15 Ford F550	1FDUF5GT7FEA71944
250705	Truck Mech 07 Ford F-550	1FDAF57P57EA73571
250902	Truck Mech 09 Ford F350	1FDWF365X9EA47934
251207	Truck Mech 12 Ford F450	1FDUF4GT5CEA59071
251265	Truck Mech 12 Ford F550	1FDUF5GT6CEA67041
251531	Truck Mech 15 Ford F550	1FDUF5GTXFEA61778
251940	Truck Mech 19 Ford F550	1FDUF5HT9KEF35647
251941	Truck Mech 19 Ford F550	1FDUF5HT7KEF35646
251942	Truck Mech 19 Ford F550	1FDUF5HT5KEF35645
251943	Truck Mech 19 Ford F550	1FDUF5HT3KEF35644
251954	Truck Mech 19 Ford F550	1FDUF5HT1KEF35643
CATEGORY : 25D- Lube Trucks		
250436	Truck Lube 04 Ford F750XL	3FRXF75384V599125
250521	Truck Lube 05 Kenworth T300	2NKMHD7X75M101274
251538	Truck Lube 15 Ford F550	1FDUF5GT2FED19968
CATEGORY : 25E- MOT Trucks		
250814	Truck MOT 08 Ford F550	1FDAW57RX8EA20951
251535	Truck Mot 15 Ford F550	1FD0W5GT2FEC84203
251608	Truck Mot 16 Ford F450	1FD0W4GT9GEB33872
251621	Truck MOT 16 Ford F450	1FD0W4HT0GEC62596
251625	Truck Mot 16 Ford F450	1FD0W4HT4GEC26426
251677	Truck MOT 16 Ford F450	1FD0W4GT6GEC54570
251666	Truck Mot 16 Ford F550	1FD0W5GT5GEA40515
251667	Truck MOT 16 Ford F550	1FD0W5GT7GEB27204
251734	Truck MOT 17 Ford F550	1FD0W5HT2HEC67905
251817	Truck MOT 18 Ford F550	1FD0W5HT5JEC28201
251935	Truck MOT 19 Ford F550	1FD0W5HTXKEC00119
251936	Truck MOT 19 Ford F550	1FD0W5HT8KEC00121
251950	Truck MOT 19 Ford F550	1FD0W5HT7KEC63274
CATEGORY : 25F- Flat Bed Dump Trucks		
250570	Truck Flat Dump 05 Int'l 4300	1HTMMAAM05H111656
250614	Truck Flat Dump 06 Int'l 4200	1HTMPAFM56H351013
250720	Truck Flat Dump 07 Int'l 4200 VT365	1HTMMAAL37H363265

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CATEGORY : 25F- Flat Bed Dump Trucks		
250911	Truck Flat Dump 09 Frtl M2	1FAVCWDT29DAK5210
250926	Truck Flat Dump 09 Int'l 4300	1HTMMAAN59H693582
251017	Truck Flatbed 10 Ford F750	3FRXF7FC3AV234829
CATEGORY : 25G- Single Axle Dump Trucks		
250626	TRUCK DUMP SGL AX 06 Int'l 4200	1HTMPAFP86H344521
259802	TRUCK DUMP SGL AX '98 GMC 7500	1GDM7H1J4WJ509333
259803	TRUCK DUMP SGL AX '98 GMC 7500	1GDM7H1C1WJ516399
259825	TRUCK DUMP SGL AX '98 GMC 7500	1GDM7H1C3WJ516274
259826	TRUCK DUMP SGL AX '98 GMC 7500	1GDM7H1CXWJ516532
CATEGORY : 25H- Attenuator Trucks		
250450	Truck Attenuator 04 KW T300	2NKMHD6X14M061872
250451	Truck Attenuator 04 KW T300	2NKMHD6X54M061874
250704	Truck Attenuator 07 Frtl M2	1FVACWDC57HY37801
250756	Truck Attenuator 07 Frtl M2	1FVACWDC27HY75678
CATEGORY : 25I- Concrete Service Truck		
251242	Truck Service 12 Ford F450	1FDUF4GTXCEC60514
251219	Truck Service 12 Ford F550	1FD0W5HT7CEA30254
251404	Truck Service 14 Ford F350 C/C	1FD8W3G60EEB69969
251938	Truck Service 19 Ford F550	1FD0W5HT6KEC00120
251945	Truck Service 19 Ford F550	1FD0W5HT0KEF35650
CATEGORY : 30A- Lowboy Trailers		
300217	Trl Lowboy 02 TRBS 35 ton	4S0DK512331000949
300515	TRL LOWBOY 05 XL SPECIALIZED	4U3B053215L005318
300601	Trl Lowboy 06 Trl Kg TK110HDG	1FTJ053306B114139
300906	Trl Lowboy 09 Trail-Eze TE801	1DA72C07X9P019599
301331	Trl Lowboy 13 Kaufman 50T	5VGFR4232DL003986
301521	Trl Lowboy 15 Kaufman 50DP	5VGFR4238FL004806
CATEGORY : 30B- Lowboy Tag-Along Trailers		
300749	TRL LOWBOY 07 EAGER BEAVER TAG	112HBX3527L072410
301706	TRL LOWBOY 17 EAG BEAV 25XPL TRI-AX	112HBX392HL081550
301910	TRL LOWBOY 19 EAG BEAV 25XPL TRI-AX	112HBX391KL083748
309701	TRL LOWBOY '96 CROSLEY TAG	CTL926209TS007911
CATEGORY : 30C- Live Bottom Trailers		
300743	TRL 07 TRLKG LIVE BOT OLB326NG	1TKLC31367W129374
300745	TRL 07 TRLKG LIVE BOT OLB326NG	1TKLC313X7W129376
300857	TRL 08 TRLKG LIVE BOT OLB326NG	1TKLC313X8W092976
301302	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL0313XDW019707
301303	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03131DW019708
301304	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03133DW019709
301305	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL0313XDW019710
301306	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03131DW019711
301307	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03133DW019712
301318	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03133DW042000
301319	TRL 13 TRLKG LIVE BOT OLB26-102	1TKL03135DW042001
301450	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03733FW106200
301451	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03735FW106201
301452	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03737FW106202
301453	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03739FW106203
301454	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03730FW106204
301455	TRL 15 TRLKG LIVE BOT OLB26-102	1TKL03730FW106199
301642	Trl 16 Trlkg Live Bot OLB332NG	1TKL03735GW031162

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Equip#	Desciption	Serial#
CATEGORY : 30C- Live Bottom Trailers		
301643	Trl 16 Trlkg Live Bot OLB332NG	1TKL03737GW031163
301644	Trl 16 Trlkg Live Bot OLB332NG	1TKL03730GW031165
301650	Trl 16 Trlkg Live Bot OLB332NG	1TKL03739GW031164
301651	Trl 16 Trlkg Live Bot OLB332NG	1TKL03732GW031166
301652	Trl 16 Trlkg Live Bot OLB332NG	1TKL03734GW031167
301669	TRL 16 TRLKG LIVE BOT OLB332NG	1TKL03734GW078442
301676	TRL 16 TRLKG LIVE BOT OLB332NG2	1TKL03731GW031241
301877	Trl 18 Trlkg Live Bot OLB332NG2	1YKL03734JW075239
301878	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03730JW075240
301879	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03732JW075241
301880	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03734JW075242
301881	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03736JW075243
301882	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03738JW075244
301888	Trl 18 Trlkg Live Bot OLB332NG2	1TKL03739JW105707
302035	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03738LW071861
302036	Trl 20 Trlkg Live Bot OLB332NG2	1TKL0373XLW071862
302037	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03731LW071863
302038	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03733LW071864
302059	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03737LW092541
302060	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03735LW092540
302061	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03739LW092539
302062	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03737LW092538
302063	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03735LW092537
302064	Trl 20 Trlkg Live Bot OLB332NG2	1TKL03733LW092536
CATEGORY : 30D- MOT & SURVEY & TPR Trailers		
301736	TRL 17 Covered Wagon CW6X12SA	53FBE121XHF032839
301848	Trl Boat 18 Continental JB127	1ZJBB1218JM107837
300717	TRL MOT 07 GAUTIER FABRICATION	1G9GS16277V185237
300726	TRL MOT 07 GAUTIER FABRICATION	1G9GS16207V185239
300732	TRL MOT 07 GAUTIER FABRICATION	1G9GS16277V185240
300737	TRL MOT 07 GAUTIER FABRICATION	1G9GS16297V185241
300760	TRL MOT 07 GAUTIER FABRICATION	1G9GS16227V185243
301808	Trl TPR 18 Forest River	5NHUNSV24JU119153
301902	Trl Utility TPR 19 Cargo Craft Tandem 7x16	4D6BU1623KA005405
CATEGORY : 30E- Paving Service Trailers		
309202	TRL Joint Heater '92 TRAILKING TRI-AX	1TKU02035NM020437
300102	TRL SERV 01 TRAILKING TRI-AX	1TKU020341M026854
300103	TRL SERV 01 TRAILKING TRI-AX	1TKU020321M026853
300201	TRL SERV 02 TRAILKING TRI-AX	1TKU022382M050931
301286	Trl Serv 12 TrailKing TK20LP-242 Dual-AX	1TKC02423CM047582
301287	Trl Serv 12 TrailKing TK20LP-242 Dual-AX	1TKC02427CM047584
301667	TRL Serv 16 Trail King TK20LP Tri-Ax	1TKC02424GR037684
301801	Trl Serv 18 TrailKing TK20LP-242 Dual-AX	1TKC02923JR095673
301802	Trl Serv 18 TrailKing TK20LP-242 Dual-AX	1TKC02925JR095674
301899	Trl Serv 18 TrailKing TK20LP-242 Dual-AX	1TKC0292XJR095671
301906	Trl Serv 18 TrailKing TK20LP-242 Dual-AX	1TKC0292XKR129223
301905	Trl Serv 19 TrailKing TK20LP-242 Dual-AX	1TKC02928KR129222
301530	Trl Serv15 Kaufman TRI-AX	5VGFH2337FL005614
CATEGORY : 30F- Grading Service Trailers		
300301	TRL 03 BREWER DUAL AX 82"X16'	4EDUS16243T000522
300384	Trl 03 Core Drill	REPC000377
300520	TRL 05 BREWER TRI AX 8'X 22'	4EDUS22225T000002
300531	TRL 05 EZ DUMPER BASS-1814	5H2S181495W011489
300612	TRL 05 EZ DUMPER BASS-1814	5H2S181475W011491

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CATEGORY : 30F- Grading Service Trailers		
300618	Trl 06 JDBuilt 510ECG PrsrWshr	JDB1326
300701	TRL 07 ROLLS RITE 14KP20TE	1R9PT20247M356095
301716	Trl 17 Big Tex 22K 30+5 HDTS	16VGX3520H6059570
301789	Trl 17 Triple Crown 6 X 12 TA	1XNU612T1H1078328
308806	Trl '88 Homemade	249587399
309601	TRL '96 CORE DRILL	
301246	Trl Eq 12 Big Tex 14ET-20BK	16VEX2029C3346165
301338	Trl Eq 13 Big Tex 60CH-16	16VCX1628D3D90980
301427	Trl Eq 14 Caliber	57BAG652XE1019702
301429	Trl Eq 14 Triple Crown	1XNU6X124E1048036
301546	Trl Eq 15 Big Tex 12ET	16VEX1829F3005609
301645	Trl Eq 16 Kaufman	5VGFD1424GL001288
302085	Trl Eq 20 Triple Crown	1XNBU1221L1101006
300516	TRL EQ.UTILITY 05 FOREST RIVER	5NHUFE0195U316807
300627	TRL Eq.Utility 06 Pace	4P2FB10136U066744
301531	Trl Eq.Utility 15 Forest River	5NHUNS622FU109985
300893	Trl for Curb Forms 08 Aspt	FLT6013ZZ
300203	TRL SCRAP 01	AXI-SHOP BUILT
301678	Trl Serv 16 BigTex 7x20 TA	16VEX2020G2046025
301896	Trl Serv 18 PJ Trailers	4P5P8242XJ1280378
301800	Trl Serv 18 TrailKing TK20LP-242 Dual-AX	1TKC02921JR095672
302086	Trl Serv 20 BigTex 6.5 x16	16VNX1621L3061106
301566	Trl Serv15 Triple Crown 7x24TA	1XNC24141F1062341
309401	TRL TACK WAGON '94 LEEBOY L250	L250T378
301247	Trl Utility 12 Big Tex 45LA-10BK	16VNX1023C3C33874
301666	Trl Utility 16 Cargo Craft Sgl Axle	4D6EB1017GA037042
301723	Trl Utility 17 Cargo Craft tandem	4D6EB2628HA038935
CATEGORY : 30G- Concrete Service Trailer		
300019	Trl 00 Corn Pro UT-18H Equipment	4MJU81829YE024351
300228	Trl 02 Crosley Sgl Axle	1C9BU10192S769738
309494	Trl '94 8x10 (Curb Pins)	NOVIN000083054594
301641	Trl Utility 16 Cargo Craft tandem	4D6EB2224GA036619
CATEGORY : 35A- Prime Trucks		
351554	Trk Prime ETNY CEN-2000 15 Ford F750	3FRXF7FJ7FV720579
351704	Trk Prime ETNY CEN-2000 17 KW T370	2NKHHM7X6HM166154
351705	Trk Prime ETNY CEN-2000 17 KW T370	2NKHHM7X0HM160544
351845	Trk Prime ETNY CEN-2000 18 KW T370	2NKHHM7X3JM181944
351883	Trk Prime ETNY CEN-2000 18 KW T370	2NKHHM7X7JM192008
351803	Trk Prime ETNY CEN-2000 18 PTRBLT 337	2NP2HM7X8JM457552
351409	Trk Prime L.B.MaxII 14 Frtln M2106	1FVACXDT6EHFU3667
351411	Trk Prime L.B.MaxII 14 Frtln M2106	1FVACXDT4EHFU3666
351677	Trk Prime L.B.MaxII 15 Int'l	3HAWAMMN8GL020493
351570	Trk Prime L.B.MaxII 16 Frtln M2106	1FVACXDT0GHHL9798
351118	Truck Prime Etn 11 Ford F750	3FRXF7FJ4BV396436
CATEGORY : 35B- Water Trucks		
350639	Truck Water 06 Int'l 4200	1HTMPAFP06H325557
350727	Truck Water 07 Ford F650	3FRNF65E27V511046
350708	Truck Water 07 Ford F750	3FRXF75F57V512411
350752	Truck Water 07 Int'l	1HSWZSBN97J505079
350724	Truck Water 07 Int'l 4200	1HTMPAFP97H544793
350746	Truck Water 07 Kenworth	2NKMHD7X47M197464
350853	Truck Water 08 Peterbilt	2NPNHM6X08M759152
351532	Truck Water 15 Ford F750	3FRXF7FB2FV527958
351740	Truck Water 17 Kenworth T440	3BKBLJ0XXHF158738

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CATEGORY : 35B- Water Trucks		
351826	Truck Water 18 PTRBLT 337	2NP2HM7X5JM476933
358769	Truck Water '87 Ford L8000	1FDYW8OU3HVA35208
258901	TRUCK WATER '89 IHC S-1600	1HTLAZPM0KH638523
359802	TRUCK WATER '98 GMC C-7500	1GDM7H1J1WJ509158
358365	Truck Water Tanker '83 Mack DM492S	1M2B112C1DA002449
CATEGORY : 35C- Tri-Axle Dump Trucks		
350649	Truck Dump 06 Freightliner	1FVHC5CV66HV97748
350750	Truck Dump 07 Mack CV713	1M2AG11C67M050267
350751	Truck Dump 07 Mack CV713	1M2AG11C87M050271
351732	Truck Dump 17 Peterbilt 567	1NPCXPEX1HD408608
351733	Truck Dump 17 Peterbilt 567	1NPCXPEX3HD408609
351734	Truck Dump 17 Peterbiltl 567	1NPCXPEXXHD408610
351901	Truck Dump 19 Peterbiltl 567	1NPCXPEX3KD611863
352034	Truck Dump 20 Peterbilt 567	1NPCXPEX2LD705959
352056	Truck Dump 20 Peterbilt 567	1NPCXPEX9LD705960
352057	Truck Dump 20 Peterbilt 567	1NPCXPEX0LD705961
352058	Truck Dump 20 Peterbilt 567	1NPCXPEX2LD705962
CATEGORY : 35D- Sand Trucks		
358803	TRUCK SAND '88 INT'L	1HTLAZPM3JH608012
359301	TRUCK SAND '93 INT'L 4700	1HTSCPLM2PH508296
CATEGORY : 35F- Sweeper/Vac Trucks		
350648	Truck Vac 06 Sterling Elgin	49HAADBV46DW44649
CATEGORY : 50- Graders		
500009	Grader 00 Cat 140H	SZK05245
500001	GRADER 00 J.D.670CH	574903
500414	GRADER 04 CAT 12H	AMZ00453
500557	Grader 05 Cat 120H	CAF00500
501030	Grader 10 J.D.672GP	DW672GP627987
501242	Grader 12 J.D.672GP	1DW672GPCCE645382
501830	Grader 18 J.D.672G	1DW672GPTHF684257
501852	Grader 18 J.D.672GP	1DW672GPCHF684135
CATEGORY : 55- Grading Rollers		
551135	ROLLER SD VIB 11 SAKIA SV505D	VSV16-50685
551336	ROLLER SD VIB 13 SAKIA SV505D	VSV16-50737
550201	ROLLER SD VIBO 02 SAKIA SV510D	VSV13-20105
550630	ROLLER SD VIBO 06 SAKIA SV505D	VSV16-40259
551168	Roller SD Vibo 11 VRM SD100D	226103
551269	Roller SD Vibo 12 VRM SD100D	226144
CATEGORY : 60- Dozers		
600302	Dozer 03 Cat D5N LGP	AKD00354
600303	Dozer 03 Cat D5N LGP	AKD00298
600692	Dozer 06 Cat D3GL	BYR01843
600694	Dozer 06 Cat D3GL	BYR01515
600695	Dozer 06 Cat D3GL	BYR01514
600629	DOZER 06 JD 450JLGP	T0450JX131607
600953	Dozer 09 Cat D6K	DHA01004
601708	Dozer 17 Cat D5K2	KY203417
CATEGORY : 65A- Tractors Lowboy		
650621	Truck L/B Tractor 06 Peterbilt	1XP5DBEX76N641510
650637	Truck Tractor 06 Mack CHN613	1M1AJ06Y06N002745

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Equip#	Desciption	Serial#
CATEGORY : 65A- Tractors Lowboy		
650749	Truck Tractor 07 Int'L 9400	2HSCNSCR37C504024
651322	Truck Tractor 13 Ptrblt 388	1XPWP4EX5DD164926
651527	Truck Tractor 15 Peterbilt	2XPTP4EXXFM258333
651862	Truck Tractor 18 Peterbilt 389	1XPXD40X2JD433190
652055	Truck Tractor 20 Peterbilt 389	1XPXP4EX7LD711892
CATEGORY : 65B- Tractors Flowboy		
651501	Truck Tractor 15 Int'l Prostar	1HSDJAPR7FH737352
651502	Truck Tractor 15 Int'l Prostar	1HSDJAPR9FH737353
651557	Truck Tractor 15 Mack CXU613	1M1AW02Y0FM051585
651558	Truck Tractor 15 Mack CXU613	1M1AW02Y2FM051586
651559	Truck Tractor 15 Mack CXU613	1M1AW02Y4FM051587
651560	Truck Tractor 15 Mack CXU613	1M1AW02Y6FM051588
651561	Truck Tractor 15 Mack CXU613	1M1AW02Y8FM051589
651562	Truck Tractor 15 Mack CXU613	1M1AW02Y4FM051590
651658	Truck Tractor 16 Peterbilt 567	1XPCDP9X9GD358628
651659	Truck Tractor 16 Peterbilt 567	1XPCDP9X9GD358629
651718	Truck Tractor 17 Peterbilt 567	1XPCDP9X0HD408611
651719	Truck Tractor 17 Peterbilt 567	1XPCDP9X2HD408612
651720	Truck Tractor 17 Peterbilt 567	1XPCDP9X4HD408613
651721	Truck Tractor 17 Peterbilt 567	1XPCDP9X6HD408614
651722	Truck Tractor 17 Peterbilt 567	1XPCDP9X8HD408615
651723	Truck Tractor 17 Peterbilt 567	1XPCDP9XXHD408616
651724	Truck Tractor 17 Peterbilt 567	1XPCDP9X1HD408617
651725	Truck Tractor 17 Peterbilt 567	1XPCDP9X3HD408618
651726	Truck Tractor 17 Peterbilt 567	1XPCDP9X5HD408619
651727	Truck Tractor 17 Peterbilt 567	1XPCDP9X1HD408620
651779	Truck Tractor 17 Peterbilt 567	1XPCDP9X4HD448948
651780	Truck Tractor 17 Peterbilt 567	1XPCDP9X6HD448949
651781	Truck Tractor 17 Peterbilt 567	1XPCDP9X2HD448950
651782	Truck Tractor 17 Peterbilt 567	1XPCDP9X4HD448951
651783	Truck Tractor 17 Peterbilt 567	1XPCDP9X6HD448952
651784	Truck Tractor 17 Peterbilt 567	1XPCDP9X8HD448953
651868	Truck Tractor 18 Peterbilt 567	1XPCDP9X8JD465869
651869	Truck Tractor 18 Peterbilt 567	1XPCDP9X4JD465870
651870	Truck Tractor 18 Peterbilt 567	1XPCDP9X6JD465871
651871	Truck Tractor 18 Peterbilt 567	1XPCDP9X8JD465872
651872	Truck Tractor 18 Peterbilt 567	1XPCDP9XXJD465873
651873	Truck Tractor 18 Peterbilt 567	1XPCDP9X1JD465874
652066	Truck Tractor 20 Peterbilt 567	1XPCDP9X4LD713912
652067	Truck Tractor 20 Peterbilt 567	1XPCDP9X4LD713909
652068	Truck Tractor 20 Peterbilt 567	1XPCDP9X2LD713911
652069	Truck Tractor 20 Peterbilt 567	1XPCDP9X0LD713910
652070	Truck Tractor 20 Peterbilt 567	1XPCDP9X6LD713913
652071	Truck Tractor 20 Peterbilt 567	1XPCDP9X8LD713914
652072	Truck Tractor 20 Peterbilt 567	1XPCDP9X7LD710566
652073	Truck Tractor 20 Peterbilt 567	1XPCDP9X9LD710567
652074	Truck Tractor 20 Peterbilt 567	1XPCDP9X0LD710568
652075	Truck Tractor 20 Peterbilt 567	1XPCDP9X2LD710569
CATEGORY : 70A- Paving Brooms		
701649	Broom Tractor 16 Massey MF4607M	M46070GJM74605
701674	Broom Tractor 16 Massey MF4607M	M46070GJM72020
701803	Broom Trctr 18 Mssy MF4607M	M46070JJM71901
701804	Broom Trctr 18 Mssy MF4607M	M46070JJM71902
701818	Broom Trctr 18 Mssy MF4607M	M46070JJM70605
701822	Broom Trctr 18 Mssy MF4607M	M46070JJM70701

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 70A- Paving Brooms		
701823	Broom Trctr 18 Mssy MF4607M	M46070JJM70601
701824	Broom Trctr 18 Mssy MF4607M	M46070JJM70702
701833	Broom Trctr 18 Mssy MF4607M	M46070JJM70901
701854	Broom Trctr 18 Mssy MF4607M	M46070JJM72002
701855	Broom Trctr 18 Mssy MF4607M	M46070JJM72202
701667	Broom Trctr W/water 16 Massey MF4607M	M46070GJM72101
701675	Broom Trctr W/water 16 Mssy MF4607M	M46070GJM72035
701691	Broom Trctr W/water 16 Mssy MF4607M	M46070GJM74902
701701	Broom Trctr W/water 17 Mssy MF4607M	M46070HJM74101
701702	Broom Trctr W/water 17 Mssy MF4607M	M46070HJM74104
701707	Broom Trctr W/water 17 Mssy MF4607M	M46070HJM74001
701708	Broom Trctr W/water 17 Mssy MF4607M	M46070HJM74006
701795	Broom Trctr W/water 17 Mssy MF4607M	M46070HJM70101
CATEGORY : 70B- Grading Brooms		
701273	Broom Laymor 8C Sweepmaster	1DH31686
700907	Broom Tractor 09 Broce KR350	406325
701147	Broom Tractor 11 Broce Conv MK1	500125
701414	Broom Tractor 14 Massey MF4608	M46080DJK24511
701535	Broom Tractor 15 Massey MF4607M	M46070FJM74507
701536	Broom Tractor 15 Massey MF4607M	M46070FJM74607
701549	Broom Tractor 15 Massey MF4608	M46080EJK22823
701550	Broom Tractor 15 Massey MF4608	M46080FJK21213
701552	Broom Tractor 15 Massey MF4608	M46080FJK21331
701825	Broom Trctr W/water18 Mssy MF4607M	M46070JJM70903
CATEGORY : 70C- Boxblade Tractors		
701230	Boxbld Tracto 12 Kubota M6040HD-1 4x4	M6040D-85986
700204	BOXBLD TRACTOR 02 MASSEY 263-4	K12070
701288	Boxbld Tractor Massey Ferguson 30E	510252256 / 0634498
701285	Tractor Ford 260C Bush hog	BD13812
CATEGORY : 70D- Plant Brooms		
700715	BROOM TRACTOR 07 KUB L5240HSTC	30457
701226	Broom Tractor 12 KUB L5240HSTC-3	L5240D70975
701415	Broom Tractor 14 Massey MF4608	M46080DJK24820
701451	Broom Tractor 14 Massey MF4608	M46080EJK22732
701453	Broom Tractor 14 Massey MF4608	M46080EJK23138
700712	BROOM TRCTR 07 CHLNGR MT285B	JRB43807
701020	Broom Trctr Kub L5240HSTC-3	70230
CATEGORY : 72- Trailers		
729601	TRAILER 40' STEEL BOX	418525-5
729602	TRAILER 40' STEEL BOX	204150-0
728601	TRAILER '86 WILLIAM MOB OFFICE	CC-47886
728802	TRAILER '88 MOBILE OFC AREA	CC-98888-988
728801	TRAILER '88 MOBILE OFC LAB	CC-99088
729901	TRAILER '99 40X14 OFFICE	6064
728101	TRL OFFICE '81 KING 10X36	K09811632
728501	TRL OFFICE '85 WILLIAMS	CHO-781
729301	TRL STORAGE STROCK	SHOP BUILT
727001	TRL STORAGE '70 MILLER	U6536
727301	TRL STORAGE '73 STROCK	6U70657023
728001	TRL STORAGE '80 THURER	299584
728102	TRL STORAGE '81 GREAT DANE	43795
CATEGORY : 80A- Paving Foreman Pickup Trucks		

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 80A- Paving Foreman Pickup Trucks		
801544	Pickup 15 Ford F150	1FTEX1C8XFFB57193
801510	Pickup 15 Ford F250	1FT7X2A67FEC00183
801764	Pickup 17 Ford F250	1FT7W2AT6HED90358
801922	Pickup 19 Ford F150	1FTFW1E45KKD49463
801923	Pickup 19 Ford F150	1FTFW1E43KKD49462
801924	Pickup 19 Ford F150	1FTFW1E41KKD49461
801925	Pickup 19 Ford F150	1FTFW1E4XKKD49460
801926	Pickup 19 Ford F150	1FTFW1E49KKD49465
801933	Pickup 19 Ford F150	1FTFW1E47KKD49464
801914	Pickup 19 Ford F250	1FT7W2B63KEF17020
801919	Pickup 19 Ford F250	1FT7W2B62KEF17025
801943	Pickup 19 Ford F250	1FT7W2BT6KEC63261
801945	Pickup 19 Ford F250	1FT7W2BT8KEC63259
CATEGORY : 80B- Grading Foreman Pickup Trucks		
801778	Pickup 17 Ford F250	1FT7X2AT3HEC28636
801915	Pickup 19 Ford F250	1FT7W2B65KEF17021
801918	Pickup 19 Ford F250	1FT7W2B60KEF17024
801921	Pickup 19 Ford F250	1FT7W2B66KEF17027
801941	Pickup 19 Ford F250	1FT7W2BT6KEC63258
801942	Pickup 19 Ford F250	1FT7W2BT4KEC63260
CATEGORY : 80C- Quality Control Pickup Trucks		
801403	Pickup 14 Ford F250	1FT7X2A62EEB22409
801408	Pickup 14 Ford F250	1FT7X2A69EEB22410
801433	Pickup 14 Ford F250	1FT7X2A64EEB32343
801445	Pickup 14 Ford F250	1FT7X2A61EEB39458
801546	Pickup 15 Ford F250	1FT7X2A6XFEA99205
801602	Pickup 16 Ford F250	1FT7X2A65GEB29406
801639	Pickup 16 Ford F250	1FT7X2A63GEB61920
801758	Pickup 17 Ford F250	1FT7X2A66HEB88871
801763	Pickup 17 Ford F250	1FT7X2A66HEE12642
801928	Pickup 19 Ford F250	1FT7X2A65KEC39722
801929	Pickup 19 Ford F250	1FT7X2A67KEC39723
CATEGORY : 80D- Job Support Pickup Trucks		
801133	Pickup 11 Ford F150 XCab	1FTEX1CM2BFC85967
801216	Pickup 12 Ford F250	1FT7X2A60CEA95594
801222	Pickup 12 Ford F250	1FT7X2A66CEB72310
801361	Pickup 13 Ford F150	1FTEX1CM4DKF87268
801302	Pickup 13 Ford F250	1FTBF2A6XDEB55492
801463	Pickup 14 Ford F150	1FTEW1CM5EFC85842
801547	Pickup 15 Ford F150	1FTEX1EP9FKD75394
801564	Pickup 15 Ford F150	1FTEX1EP3FFC86624
801565	Pickup 15 Ford F150	1FTEX1EP6FFC87489
801571	Pickup 15 Ford F150	1FTEX1C88FKE81296
801576	Pickup 15 Ford F150	1FTEW1C87FFC70750
801511	Pickup 15 Ford F250	1FT7X2A69FEC00184
801513	Pickup 15 Ford F250	1FT7X2A69FEB75660
801529	Pickup 15 Ford F250	1FT7X2A63FEC31091
801628	Pickup 16 Ford F150	1FTEW1CP7GKD41414
801629	Pickup 16 Ford F150	1FTEW1C85GFA08968
801633	Pickup 16 Ford F150	1FTEW1CF7GFA87901
801650	Pickup 16 Ford F250	1FT7X2A60GEC40963
801654	Pickup 16 Ford F250	1FT7X2AT7GEC49441
801712	Pickup 17 Ford F250	1FT7X2A69HEC51462
801846	Pickup 18 Ford F150	1FTEX1EP1JKF99719

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 80D- Job Support Pickup Trucks		
801851	Pickup 18 Ford F150	1FTEX1CP2JFE59626
801820	Pickup 18 Ford F250	1FT7X2A69JEC36742
801916	Pickup 19 Ford F250	1FT7W2B67KEF17022
801917	Pickup 19 Ford F250	1FT7W2B69KEF17023
801920	Pickup 19 Ford F250	1FT7W2B64KEF17026
801927	Pickup 19 Ford F250	1FD7W2B60KEF53209
801944	Pickup 19 Ford F250	1FT7W2BT8KEC63262
CATEGORY : 85- Passenger Cars		
851528	SUV 15 Ford Expedition	1FMJK1KT7FEF29951
851505	SUV 15 FORD EXPLORER	1FM5K7D85FGB47094
851907	SUV 19 Ford Expedition	1FMJK1KT9KEA14928
851371	Van 13 Ford E350	1FBNE3BL7DDA27800
851622	Van 16 Ford	1FBZX2ZM6GKA37528
851719	Van 17 Ford Transit Wagon	1FBZX2ZM2HKA20663
CATEGORY : 95- Miscellaneous		
951110	100' x 24" TCI Stacking Conveyor	310156
951101	2010 12" Hydraulic Pump, John Deere 6068T Die	
951105	6" Centrifugal Pump w/1.5 HP Primer Pump, 40 H	
951104	6" Centrifugal Pump, 40 HP WEG Electric Motor	
950402	AIRPORT RUNWAY CONTROL MARKER	991635
950403	AIRPORT RUNWAY CONTROL MARKER	991639
951740	Arrowboard 17 ProLine Traffic System	4NPU40815H5112303
951741	Arrowboard 17 ProLine Traffic System	4NPU40818H5112313
951742	Arrowboard 17 ProLine Traffic System	4NPU40811H5112363
950101	ASPHALT HEATER 01 MARATHON	MODEL HEPR-36
950003	ATTENUATOR 00 TMA 8290	
951655	Attenuator Trl 16 Vorteq TMA	1E9TC2310GA363172
951847	Boat 18 Tracker BUJ	BUJ42452F718
201239-a	Boom Attachment	WA320-3MCC4571
951815	Bulk Feeder 18 McEwen	N/A
951360	Compressor Trl 13 Sullair Cat 185DPQ	201312280028
951660	CONCRETE BUGGY 16 IHI SC-75	7302323
951532	CONVEYOR 15 KPI 50'	414736
959801	CONVEYOR '98 Superior 36X50	2930
959803	CONVEYOR '98 TRUCK UNLOADER	2865
950432	Forklift 04 Lull 644/42	18919
951176	Forklift 11 MCF P5000LP	AT3531969
951832	Forklift 18 Doosan G25N-7	FGA14-290-01398
958819	FORKLIFT '88 CLARK GPS25MC	GP138MC0007-6826FA
959506	Forklift '95 Toyota 2FG205	12284
951344	Forklift Mitsubishi AF14C	30006
950709	GANTRY 07 HARRINGTON 5 TON	PTF2050
950803	Gantry 08 Harrington 5 ton	Model PTF2050
959101	GANTRY '91 STRAD-L-LOAD	M382
950507	Genset 05 MQ DCA125USJ on trl	8500242
950923	Genset 09 Cat D100-6S on trl	D4B00808
951271	Genset 12 Cat 100KW on Trailer	E5A01078
950543	GOLF CART 05 E-Z-GO TXT	2264417
951405	GOLF CART 14 E-Z-GO RXV	5321330
951534	Impactor Trk Mt 15 KPI FT4250OC	414749
951237	LIGHT PLANT 12 DOOSAN	445688UHWE06
951238	LIGHT PLANT 12 DOOSAN	445689UHWE06
951240	LIGHT PLANT 12 DOOSAN	443267UGWE06
951241	LIGHT PLANT 12 DOOSAN	444277UGWE06
951506	LIGHT PLANT 15 WACKER LTN6L	24227140

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#
CATEGORY : 95- Miscellaneous		
951507	LIGHT PLANT 15 WACKER LTN6L	24227141
951508	LIGHT PLANT 15 WACKER LTN6L	24227143
951656	LIGHT PLANT 16 WACKER LTN6L	24315705
951657	LIGHT PLANT 16 WACKER LTN6L	24315707
951612	LIGHT PLANT 16 WACKER NEUSON	5xfln0512gn000140
951613	LIGHT PLANT 16 WACKER NEUSON	5xfln0514gn000141
951066	Manlift 10 Genie S65	S65-22973
951268	Manlift 12 Genie S65	S65-22973
951269	Manlift 12 Genie S65	S65-22981
951365	Manlift 13 Genie S85	S85-10107
951367	Manlift 13 Genie S85	S8513-9746
951370	Manlift 13 Genie S85	S85-9771
951420	Manlift 14 Genie S65	S6014A-28349
951431	Manlift 14 Genie S85	S85-11359
950401	MANLIFT GENIE S-40 44FT BOOM	S40-929
951115	Mettler Toledo 100 Ton Electronic Scales	
959740	Mixer Soil Stabilizer '97 Bomag MPH100S	86189
951408	MULCHER 14 FECON BH74SS	00BH07010784
951773	MULE CART 17 KAWASAKI	JKBAFSD18HB504058
950742	PAVER HOPPER INSERT 07 ROADTEC	
950005	PUGMILL	
950944	Reclaimer09 Terex CMI RS350C	RS350211
951108	Roadrunner 133 x 115 Portable Impact Crusher	BEM01920
951533	Screen Plant Trk Mt 15 Astec GT205S	133721
950521	SPREADER CONIBEAR TAILGATE MNT	122040
951109	Titan 1800 Portable Tracked Power Screen	12101450
950320	Trl 03 Migh (for Genset)	4AGGU15264C035984
950618	Trl 06 Portable Silo	2011DEP1D002
950926	Trl 09 JRSF (for genset)	1J9TF16239F402037
951211	Trl 12 (for genset)	16MPF1128CD064313
950004	TRL MOBILE PRESSURE WASHER 00	27505010090002486
951735	UTILITY CART 17 J.D. TX PR15 4X2	1M04X2XDTHM120031
951857	UTILITY CART 18 J.D. TX PR15 4X2	1M04X2XDCKM140141
950103	WELDER ON TRAILER	R82425S191707B
CATEGORY : 95A- Quality Control Straight Edges		
950102	ROLLING STRAIGHT EDGE	
950104	ROLLING STRAIGHT EDGE	
950303	ROLLING STRAIGHT EDGE 03	11003
950304	ROLLING STRAIGHT EDGE 03	3403
950372	Rolling Straight Edge 03 Cline	REPC000379
950761	ROLLING STRAIGHT EDGE 07	NOVIN0200652245
950808	Rolling Straight Edge 08	NOVIN0200752506
950809	Rolling Straight Edge 08	NOVIN0200752524
951672	Rolling Straight Edge 16	NOVIN0201216743
951752	Rolling Straight Edge 17	NOVIN0201216744
951753	Rolling Straight Edge 17	NOVIN0201216745
951759	Rolling Straight Edge 17	NOVIN0201186568
958902	ROLLING STRAIGHTEDGE '89 CLINE	8909
CATEGORY : 95B- MTV		
951321	MTV 13 ROADTEC MTV-1000D	MTV-1000DX162
951605	MTV 16 Weiler E1250A	1152
951668	MTV 16 Weiler E1250A	W1159
951748	MTV 17 Roadtec MTV-1100E	MTV-1100EX4004
951790	MTV 17 Roadtec MTV-1100E	MTV-1100EX4006
951830	MTV 18 Weiler E1250B	1213

Equipment Pre Qualified

Active Equipment Only

Equip#	Desciption	Serial#

Ajax Paving Industries of Florida, LLC

NORTH VENICE OFFICE
One Ajax Drive
North Venice, FL 34275
941.486.3600
941.486.3500 Fax

FORT MYERS OFFICE
13350 Rickenbacker Pkwy
Fort Myers, FL 33913
239.936.9444
239.936.9445 Fax

TAMPA OFFICE
5100 West Lemon Street, Suite 106
Tampa, FL 33609
813.769.1990
813.769.1991 Fax

ASPHALT PLANTS & AJAX MATERIALS

NORTH VENICE PLANT 1
One Ajax Dr
North Venice, FL 34275
941.486.3420 Tower
941.486.8771 Fax

PUNTA GORDA PLANT 2
40851 Cook Brown Road
Punta Gorda, FL 33982
239.543.4544 Tower
239.543.1105 Fax

PORT MANATEE PLANT 3
12165 U.S. 41 North
Palmetto, FL 34221
941.845.1138 Tower
941.721.3155 Fax

FORT MYERS PLANT 4
7121 Pennsylvania Street
Fort Myers, FL 33912
239.489.3320 Tower
239.489.9973 Fax

ODESSA PLANT 5
11603 S.R. 54
Odessa, FL 33556
727.375.5780 Tower
727.375.5750

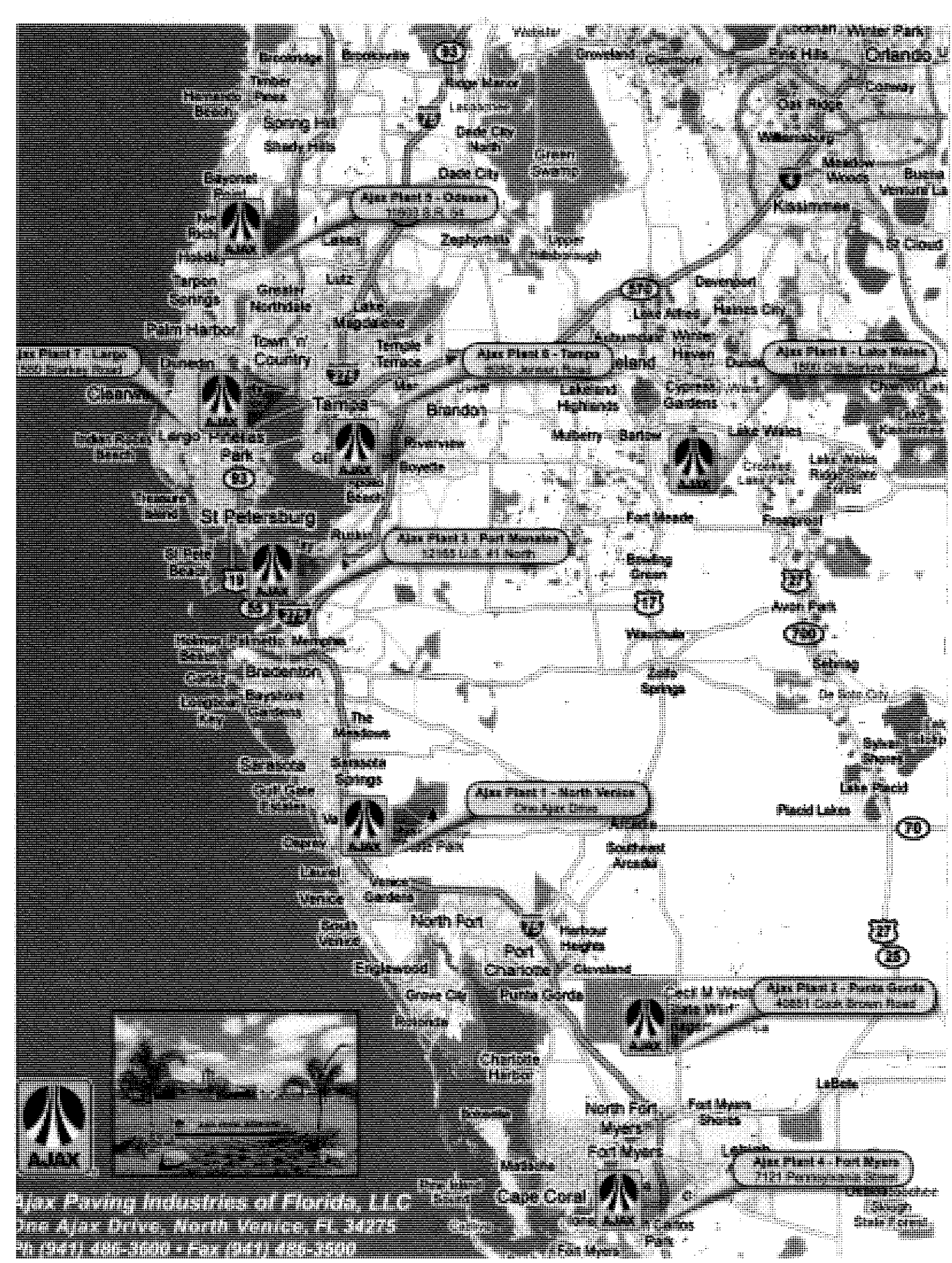
TAMPA PLANT 6
6050 Jensen Road
Tampa, FL 33619
813.574.8331 Tower
813.574.8334 Fax

LARGO PLANT 7
1550 Starkey Road
Largo, FL 33771
727.499.2168 Tower
727.499.2169 Fax

LAKE WALES PLANT 8
1800 Old Bartow Road
Lake Wales, FL 33859

AJAX MATERIALS
500 Gene Green Road
Nokomis, FL 34275
941.485.5301 Office
941.485.5264 Fax

www.ajaxpaving.com


Alex Plant 3 - Oneco
Alex Plant 5 - Tampa
Alex Plant 6 - Lake Wales
Alex Plant 1 - North Venice
Alex Plant 2 - Punta Gorda
Alex Plant 4 - Fort Myers
Ajax Powder Industries of Florida, LLC
One Ajax Drive - North Venice, FL 34275
PHONE (941) 497-1000 FAX (941) 497-1010

Lee County
Southwest Florida

BOARD OF COUNTY COMMISSIONERS

(239) 533-8881

March 16, 2021

Mr. Chris Brockmeier
Stantec Consulting Services Inc
3800 Colonial Blvd., Suite 100
Fort Myers, FL 33966

SUBJECT: CN200224JJB Miscellaneous Professional Services Contract – C-8891

ENCLOSURE: Supplemental Task Authorization

Dear Mr. Brockmeier,

Enclosed is your executed copy of Supplemental Task Authorization No. 1 for the project known as "Corkscrew Road and Puente Lane Intersection Improvements."

This letter will serve as your notice to proceed effective 3/17/2021. The Supplemental Task Authorization will run for a term of 150 days and will remain in effect until one year after construction is complete.

If you should have any questions, please give me a call.

Sincerely,

Jennifer Brewer-Dano

Jennifer Brewer-Dano
Contracts Analyst
Procurement Management

C: FinanceOnBase@leeclerk.org
Rob Price
Eileen Webster
Terri Fila
Michael Nevarez
Project File

Lee County Professional Service
Change Order/Supplemental Task Authorization

Date Feb 19, 2021

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

A Change Order or Supplemental Task Authorization requires approval by the Department Director for expenditures under $50,000 or approval by the County Manager for expenditures between $50,000.01 and $100,000 or approval by the Board of County Commissioners for expenditures over $100,000

Primary Contact: Chris E. Brockmeier, P.E.

Contract Name: Miscellaneous Professional Services

Project Name:

Corkscrew Road and Puente Lane Intersection Improvements

CONSULTANT: Stantec Project #: _____

Solicitation #: CN200224JJB Contract #: 8891

Lee County Project Manager: Robert Price, P.E. CPM Request Date: Feb 19, 2021

Fiscal Staff: Eileen Webster/Terri Fila Account #: 20066930700

Upon the completion and execution of this Change Order or Supplemental task Authorization by both parties the CONSULTANT is authorized to and shall proceed with the following exhibits as applicable:

☒ **CO-STA Exhibit A** - SCOPE OF PROFESSIONAL SERVICE

☒ **CO-STA Exhibit B** - COMPENSATION & METHOD OF PAYMENT

☒ **CO-STA Exhibit C** - TIME & SCHEDULE OF PERFORMANCE

☐ **CO-STA Exhibit D** - CONSULTANTS ASSOCIATED SUB-CONSULTANTS/SUB-CONTRACTORS

It is understood and agreed that the acceptance of this modification by the CONSULTANT constitutes an accord and satisfaction.

Consultant Signature (Print & Sign Name)
CHRIS E. BROCKMEIER, P.E.

25 FEB 2021
Date Signed

Chris.Brockmeier@Stantec.com
Contact E-mail Address

239-220-1460
Contact Phone Number

Lee County Board of County Commissioners - Procurement Management
2115 Second Street - 1st Floor - Fort Myers, FL 33901
PO Box 398 - Fort Myers, FL 33902-0398
Phone: (239) 533-8881

Rev. 02/2020

CO-STA Exhibit A
Scope of Professional Services

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

Scope of Professional Services for:

Corkscrew Road and Puente Lane Intersection Improvements

Section 1.00 Changes to Professional Services

The 'Scope of Professional Services' as set forth in Exhibit 'A' of the Professional Services Agreement referred to hereinbefore is hereby supplemented, changed or authorized, so that the CONSULTANT shall provide and perform the following professional services, tasks, or work as a supplement to, change to, the scope of services previously agreed to and authorized.

CONSULTANT shall perform the following scope of services outlined in the CONSULTANT's proposal labeled ATTACHMENT 1 TO EXHIBIT "A".

FINAL - 01/21/2021

ATTACHMENT 1 TO EXHIBIT "A"

CONSTRUCTION ENGINEERING AND INSPECTION/ENGINEER OF RECORD SCOPE OF SERVICES

FOR

Project Description:

Corkscrew Road & Puente Lane

Traffic Signal Installation

Financial Project ID(s):

N/A

Federal Project No.:
N/A

SCOPE OF SERVICES
CONSTRUCTION ENGINEERING AND INSPECTION

1.0 PURPOSE:

This scope of services describes and defines the Construction Engineering and Inspection (CEI) and Engineer of Record services which are required for contract administration, inspection, and materials sampling and testing for the construction projects listed below.

2.0 SCOPE:

CONSULTANT shall provide services as defined in this Scope of Services, the referenced COUNTY manuals, and procedures.

The projects for which the services are required are:

Financial Project IDs: N/A
Descriptions: CEI & EOR services for Corkscrew Road & Puente Lane Intersection Improvements in The Village of Estero
County: Lee County, FL

CONSULTANT shall exercise independent professional judgment in performing obligations and responsibilities under this Agreement. Pursuant to Section 4.1.5 of the Construction Project Administration Manual (CPAM), the authority of the CONSULTANT's lead person, such as the Senior Project Engineer, and the CONSULTANT's Project Administrator shall be identical to the COUNTY'S Resident Engineer and Project Administrator respectively and shall be interpreted as such.

Services provided by the CONSULTANT shall comply with COUNTY manuals, procedures, and memorandums.

On a single Construction Contract, it is a conflict of interest for a professional firm to receive compensation from both the COUNTY and the Contractor either directly or indirectly.

3.0 LENGTH OF SERVICE:

The services for each Construction Contract shall begin upon written notification to proceed by the COUNTY.

COUNTY will track the execution of the Construction Contract such that the CONSULTANT is given timely authorization to begin work. While no personnel shall be assigned until written notification by the COUNTY has been issued, the CONSULTANT shall be ready to assign personnel within two weeks of notification. For the duration of the project, CONSULTANT shall coordinate closely with the COUNTY and Contractor to minimize rescheduling of CONSULTANT activities due to construction delays or changes in scheduling of Contractor activities.

For estimating purposes, the CONSULTANT shall be allowed an accumulation of thirty (30) calendar days to perform preliminary administrative services prior to the issuance of the

Contractor's notice to proceed on the first project and thirty (30) calendar days to demobilize after final acceptance of the last Construction Contract. Inspection may be intermittent provided major items of work are fully inspected.

The letting schedule and construction times for the projects are still to be determined. The CONSULTANT estimates the field efforts to take approximately 90 days. Office efforts will involve the time during the field efforts plus 30 days prior and 30 days after field efforts.

4.0 ITEMS TO BE FURNISHED BY THE COUNTY TO THE CONSULTANT:

A. The COUNTY, on an as needed basis, will furnish the following Construction Contract documents for each project. These documents may be provided in either paper or electronic format.

1. Construction Plans,
2. Specification Package,
3. Copy of the Executed Construction Contract,
4. Utility Agency's Approved Material List (if applicable) and,
5. Utility Adjustment Agreements

5.0 ITEMS FURNISHED BY THE CONSULTANT:

5.1 Documents:

Lee County Forms shall supersede FDOT forms, but where FDOT forms are used, all applicable FDOT documents referenced herein shall be a condition of this Agreement. All FDOT documents, directives, procedures, and standard forms are available through the FDOT's Internet website. Most items can be purchased through the following address. All others can be acquired through the District Office or on-line at the website below.

Florida Department of Transportation
Maps and Publication Sales
605 Suwannee Street, MS 12
Tallahassee, Florida 32399-0450
Telephone No. (850) 414-4050

http://www.fdot.gov/construction/

5.2 Office Automation:

Provide all software and hardware necessary to efficiently and effectively carry out the responsibilities under this Agreement.

Provide each inspection staff with a laptop computer (or tablet) for documentation of work efforts on COUNTY forms.

Ownership and possession of computer equipment and related software, which is provided by the CONSULTANT, shall remain at all times with the CONSULTANT. The CONSULTANT shall retain responsibility for risk of loss or damage to said equipment during performance of this Agreement. Field office equipment should be maintained and operational at all times.

5.3 Field Office:

N/A

5.4 Vehicles:

Vehicles will be equipped with appropriate safety equipment and must be able to effectively carry out requirements of this Agreement. Vehicles shall have the name and phone number of the consulting firm visibly displayed on both sides of the vehicle.

5.5 Field Equipment:

Supply equipment essential to perform services under this Agreement; such equipment includes non-consumable and non-expendable items.

Hard hats shall have the name of the consulting firm visibly displayed.

Equipment described herein and expendable materials under this Agreement will remain the property of the CONSULTANT and shall be removed at completion of the work.

Handling of nuclear density gauges shall be in compliance with CONSULTANT'S license.

Retain responsibility for risk of loss or damage to said equipment during performance of this Agreement. Field office equipment shall be maintained and in operational condition at all times.

5.6 Licensing for Equipment Operations:

Obtain proper licenses for equipment and personnel operating equipment when licenses are required. The license and supporting documents shall be available for verification by the COUNTY, upon request.

6.0 LIAISON RESPONSIBILITY OF THE CONSULTANT:

For the duration of the Agreement, CONSULTANT shall keep the COUNTY's Construction Project Manager in Responsible Charge informed of all significant activities, decisions, correspondence, reports, and other communications related to its responsibilities under this Agreement.

Facilitate communications between all parties (i.e. architectural, mechanical, materials,

landscaping, local agencies, etc.) ensuring responses and resolutions are provided in a timely manner. Maintain accurate records to document the communication process.

Inform the designated COUNTY project personnel of any design defects, reported by the contractor or observed by the CONSULTANT.

Submit all administrative items relating to Invoice Approval, Personnel Approval, User IDs, Time Extensions, and Supplemental Amendments to the Construction Project Manager for review and approval.

7.1 PERFORMANCE OF THE CONSULTANT:

During the term of this Agreement and all Supplemental Amendments thereof, the COUNTY will review various phases of CONSULTANT operations, such as construction inspection, materials sampling and testing, and administrative activities, to determine compliance with this Agreement. Cooperate and assist COUNTY representatives in conducting the reviews. If deficiencies are indicated, remedial action shall be implemented immediately. COUNTY recommendations and CONSULTANT responses/actions are to be properly documented by the CONSULTANT. No additional compensation shall be allowed for remedial action taken by the CONSULTANT to correct deficiencies. Remedial actions and required response times may include but are not necessarily limited to the following:

A. Further subdivide assigned inspection responsibilities, reassign inspection personnel, or assign additional inspection personnel, within one week of notification. Notwithstanding this, however, the COUNTY would like to have continuity with the inspection team unless the changes are related to the type of construction activity.

B. Immediately replace personnel whose performance has been determined by the CONSULTANT and/or the COUNTY to be inadequate.

C. Immediately increase the frequency of monitoring and inspection activities in phases of work that are the CONSULTANT's responsibility.

D. Increase the scope and frequency of training of the CONSULTANT personnel.

8.0 REQUIREMENTS OF THE CONSULTANT:

8.1 General:

It shall be the responsibility of the CONSULTANT to administer, monitor, and inspect the Construction Contract such that the project is constructed in reasonable conformity with the plans, specifications, and special provisions for the Construction Contract.

Observe the Contractor's work to determine the progress and quality of work. Identify discrepancies, report significant discrepancies to the COUNTY, and direct the Contractor to correct such observed discrepancies.

Inform the designated COUNTY project personnel of any significant omissions, substitutions, defects, and deficiencies noted in the work of the Contractor and the corrective action that has been directed to be performed by the Contractor.

8.2 Survey Control:

Understood that due to the nature of the project these services will be provided by the CONTRACTOR.

8.3 On-site Inspection:

Monitor the Contractor's on-site construction activities and inspect materials entering into the work in accordance with the plans, specifications, and special provisions for the Construction Contract to determine that the projects are constructed in reasonable conformity with such documents. Maintain detailed accurate records of the Contractor's daily operations and of significant events that affect the work. The COUNTY will monitor off-site activities and fabrication unless otherwise stipulated by this Agreement.

Monitor and inspect Contractor's Work Zone Traffic Control Plan and review modifications to the Work Zone Traffic Control Plan, including Alternate Work Zone Traffic Control Plan, in accordance with the COUNTY's procedures. CONSULTANT employees performing such services shall be qualified in accordance with the COUNTY's procedures.

8.4 Sampling and Testing:

It is CONSULTANTS understanding that all sampling and testing of component materials will be completed by the CONTRACTOR. CONSULTANT will review such sampling reports for compliance with the Construction Contract documents and the sampling frequencies set out in the COUNTY's Materials Sampling, Testing and Reporting Guide. CONSULTANT will provide daily surveillance of the Contractor's Quality Control activities and completed work items for verification and acceptance.

Determine the acceptability of all materials and completed work items on the basis of either test results or verification of a certification, certified mill analysis, DOT label, DOT stamp, etc.

8.5 Engineering Services:

Coordinate the Construction Contract administration activities of all parties other than the

Contractor involved in completing the construction project. Notwithstanding the above, the CONSULTANT is not liable to the COUNTY for failure of such parties to follow written direction issued by the CONSULTANT.

Services shall include maintaining the required level of surveillance of Contractor activities, interpreting plans, specifications, and special provisions for the Intersection Improvements Construction Contract. Maintain complete, accurate records of all activities and events relating to the project and properly document all project changes. CONSULTANT shall perform the following services:

(1) Attend run and provide meeting minutes for the construction kickoff meeting.

(2) Verify that the Contractor is conducting inspections, preparing reports and monitoring all storm water pollution prevention measures associated with the project. For each project that requires the use of the NPDES General Permit, provide at least one inspector who has successfully completed the "Florida Stormwater, Erosion, and Sedimentation Control Training and Certification Program for Inspectors and Contractors". The CONSULTANT's inspector will be familiar with the requirements set forth in the FEDERAL REGISTER, Vol. 57, No. 187, Friday, September 5, 1992, pages 4412 to 4435 "Final NPDES General Permits for Storm Water Discharges from Construction Sites" and the COUNTY's guidelines.

(3) Analyze the Contractor's schedule(s) (i.e. baseline(s), revised baseline(s), updates, as-built, etc.) for compliance with the contract documents. Elements including, but not limited to, completeness, logic, durations, activity, flow, milestone dates, concurrency, resource allotment, and delays will be reviewed. Verify the schedule conforms with the construction phasing and MOT sequences, including all contract modifications. Provide a written review of the schedule identifying significant omissions, improbable or unreasonable activity durations, errors in logic, and any other concerns as detailed in CPAM.

(4) Analyze problems that arise on the project and proposals submitted by the Contractor; work to resolve such issues and process the necessary paperwork.

(5) Monitor, inspect, and document utility relocation self-performed by the contractor for conformance with Utility Agency's Standards and the Utility Agency's Approved Materials List. Document utility construction progress to be performed by Utility Agencies. Facilitate coordination and communication between Utility Agency's representatives, COUNTY's staff and Contractors executing the work. Identify potential utility conflicts and assist in the resolution of utility issues including COUNTY and Local Government owned facilities.

Identify, review, and track progress of Joint Project Agreement with Lee County Irrigation. Address work progress, track reimbursement activities, and address betterment and salvage determination. Prepare all necessary documentation to support reimbursement activities and betterment and salvage determination.

(6) Daily surveillance of Contractor activities (18-hour average per week over the twelve-week work period, drilled shaft hours not included under this task), interpreting plans and specifications. Produce reports verify quantity calculations

and field measure for payment purposes as needed to prevent delays in Contractor operations and to facilitate prompt processing of such information in order for the COUNTY to make timely payment to the Contractor.

(7) Receive and review for completeness as-built information from the contractor and submit a final PDF of Project record drawings.

(8) Prepare and submit to the COUNTY Project Manager, a monthly status report, in a format to be provided by the COUNTY.

(9) Video the pre-construction conditions throughout the project limits. Provide a digital photo log or video of project activities, with heavy emphasis on potential claim items/issues and on areas of real/potential public controversy. Provide a digital camera for photographic documentation of pre-construction state and of noteworthy incidents or events during construction. These photographs will be filed and maintained on the CONSULTANT's computer using a digital photo management system. Photographs shall be taken the day prior to the start of construction and continue as needed throughout the project. Photographs shall be taken the days of Conditional, Partial and Final Acceptance.

8.6 Drilled Shaft Services:

Become familiar with the existing site conditions and the contract documents. Observe and record the progress and quality of foundation work to determine that the foundations are constructed at the correct locations and elevations, identify discrepancies, and direct the Contractor to correct such observed discrepancies. Attend the Preconstruction Conference and/or special geotechnical meeting for the Construction Contract. All services under this section will be performed in accordance with FDOT Specification Section 455. Inspect and verify that the Contractor has performed the foundation work in accordance with applicable FDOT Specification Section 455 and other contract documents. Provide qualified inspectors in Drilled Shaft inspection, relevant to the foundation type(s) required in the plans. Schedule meetings and facilitate communications between the Contractor, Specialty Contractors, the CEI, and the Geotechnical Consultant if needed. Observe and verify that all work is performed in accordance with the contract documents. Assure that any specialty work is completed as necessary to accomplish its intent.

The following engineering services shall be performed:

1) Drilled Shafts:

- Process and review the Drilled Shaft Installation Plan in accordance with CPAM.
- Schedule a pre-drilled shaft installation meeting to review and discuss the drilled shaft installation procedures. Make sure that the Contractor's field superintendent, CEI's drilled shaft inspector, and the COUNTY are invited. Prepare and distribute meeting minutes to the attendees.
- Inspect installation of test holes (methods shafts), load test shafts, and production shafts and ensure they are constructed in accordance with the plans, specifications, and special provisions for the Construction Contract. Report to the COUNTY any problems observed during the installation of the test holes,

deviations from the Drilled Shaft Installation Plan or contract documents, and construction quality issues associated with the Contractor's methods.

- If there are pilot holes in the project, advise the COUNTY on the pilot hole schedule. Verify the pilot hole locations. Inspect the performance of the pilot holes and complete the proper FDOT inspection form, describing accurately the soils/rocks encountered and corresponding depths, the results of field testing performed (Standard Penetration Test blow counts, Cone Penetration Tests, or other, if applicable) and the results of the rock coring performed (coring time, recovery and RQD).
- Inspect the bottom of the shafts for cleanliness using manual soundings or shaft inspection device as required in the contract documents.
- Complete all necessary drilled shaft inspection forms and keep a log of all inspections made of the shafts. Observe the performance of any load tests and verify that the details are implemented as planned.
- Provide completed drilled shaft inspection forms for all production and test shaft installations to the COUNTY upon completion of the drilled shaft installation.
- When conditions occur, which are different from those indicated on the plans, immediately report them to the Geotechnical Engineer of Record and the COUNTY.
- Review the drilled shaft logs and the concrete placement logs to identify possible shaft integrity problems and potential causes. Communicate identified issues to the COUNTY.

9.0 PERSONNEL:

9.1 General Requirements:

All certifications and requirements contained herein shall be requirements in the contract document.

Provide prequalified personnel necessary to efficiently and effectively carry out its responsibilities under this Agreement. Method of compensation for personnel assigned to this project is outlined in Exhibit "B." Compensation shall be fixed fee for the services outlined in the proposal.

Unless otherwise agreed to by the COUNTY, the COUNTY will not compensate straight overtime or premium overtime for the positions of Senior Project Engineer, Project Administrator/Project Engineer, Contract Support Specialist and Assistant or Associate to any of these positions.

9.2 Personnel Qualifications:

Provide competent personnel qualified by experience and education. Submit to the Construction Project Manager the names of personnel proposed for assignment to the project, including a detailed resume for each containing education and experience. The CONSULTANT Action Request form for personnel approval shall be submitted to the Construction Project Manager at least two weeks prior to the date an individual is to report to work.

Personnel identified in the CONSULTANT technical proposal are to be assigned as proposed and are committed to performing services under this Agreement. Staff that has been removed shall be replaced by the CONSULTANT within one week.

Qualifications for the CONSULTANT personnel are set forth as follows. Exceptions to these minimum qualifications will be considered on an individual basis. However, a Project Administrator working under the supervision and direction of a Senior Project Engineer or an Inspector working under the supervision and direction of a Senior Inspector shall have six months from the date of hire to obtain the necessary qualifications/certifications provided all other requirements for such positions are met and the CONSULTANT submits a training plan detailing when such qualifications/certifications and other training relative to the COUNTY's procedures, Specifications and Standard Plans will be obtained.

SENIOR PROJECT ENGINEER - A Civil Engineering degree and registered in the State of Florida as a Professional Engineer (or if registered in another state, the ability to obtain registration in the State of Florida within six months) and six (6) years of engineering experience. Qualifications include the ability to communicate effectively in English (verbally and in writing); direct construction engineering administration and inspection program; plans and organizes the work of subordinate and staff members; develops and/or reviews policies, methods, practices, and procedures; and reviews programs for conformance with COUNTY standards.

CEI PROJECT ADMINISTRATOR/PROJECT ENGINEER - A Civil Engineering degree plus two (2) years of engineering experience in construction of roadways for non-degreed personnel six (6) years of responsible and related engineering experience, two (2) years with construction project experience for which CEI services are being provided by this scope.

Receives general instructions regarding assignments and is expected to exercise initiative and independent judgment in the solution of work problems. Directs and assigns specific tasks to inspectors and assists in all phases of the construction project. Will be responsible for the progress and final estimates throughout the construction project duration.

CEI SENIOR INSPECTOR/SENIOR ENGINEER INTERN – High school graduate or equivalent plus four (4) years of experience in construction inspection, two (2) years of which shall have been in roadway construction inspection or a Civil Engineering degree and one (1) year of road & bridge CEI experience with the ability to earn additional required qualifications within one year. (Note: Senior Engineer Intern classification requires one (1) year experience as an Engineer Intern.)

Must have the following as required by the scope of work for the project:

CERTIFICATIONS:
FDOT Concrete Field Inspector with ACI
FDOT Asphalt Roadway Level II
FDOT Level II Earth Works
FDOT Drilled Shaft Inspection (required for inspection of all drilled shafts including miscellaneous structures such as sign structures, lighting structures, and traffic signal structures)
IMSA Traffic Signal Inspector Level I
FDOT Intermediate MOT
Florida Stormwater, Erosion, and Sedimentation Control Training and Certification Program for Inspectors and Contractors
CPII Certified Professional Infrastructure

CEI INSPECTOR/ENGINEER INTERN - High school graduate or equivalent plus two (2) years experience in construction inspection, one (1) year of which shall have been in bridge and/or roadway construction inspection, or an Engineer Intern with a Civil Engineering degree (requires certificate) having the ability to earn the required qualifications and certifications within one year, plus demonstrated knowledge in the following:

Must have the following as required by the scope of work of the project:

CERTIFICATIONS:
FDOT Intermediate MOT
Florida Stormwater, Erosion, and Sedimentation Control Training and Certification Program for Inspectors and Contractors

Responsible for performing assignments in assisting Senior Inspector in the performance of their duties. Receive general supervision from the Senior Inspector who reviews work while in progress.

CEI SECRETARY/CLERK TYPIST- High school graduate or equivalent plus two (2) years of secretarial and/or clerical experience. Experienced in the use of standard word processing software. Should exercise independent initiative to help relieve the supervisor of clerical detail. Work under general supervision of the Senior Project Engineer and staff.

9.3 Staffing:

Once authorized, the CONSULTANT shall establish and maintain appropriate staffing throughout the duration of construction and project completion. Responsible personnel, thoroughly familiar with all aspects of construction and final measurements of the various pay items, shall be available to resolve disputed final pay quantities until the COUNTY has received a regular acceptance letter.

Construction engineering and inspection forces will be required of the CONSULTANT while the Contractor is working. If Contractor operations are substantially reduced or suspended, the CONSULTANT shall reduce its staff appropriately.

In the event that the suspension of Contractor operations requires the removal of CONSULTANT forces from the project, the CONSULTANT shall be allowed ten (10) days maximum to demobilize, relocate, or terminate such forces.

10.0 QUALITY ASSURANCE (QA) PROGRAM:

Due to the short duration of the project this section has been modified to the items listed below.

A. Quality Assurance Reviews:

Detail the methods used to monitor and achieve organization compliance with Agreement requirements for services and products.

B. **Quality Assurance Records:**

Outline the types of records which will be generated and maintained during the execution of the QA review.

C. **Control of Subconsultants and Vendors:**

Detail the methods used to control subconsultant and vendor quality.

D. **Quality Assurance Certification:**

An officer of the CONSULTANT firm shall certify that the inspection and documentation was done in accordance with FDOT specifications, plans, standard indexes, and COUNTY procedures.

10.1 Quality Records:

Maintain adequate records of the quality assurance actions performed by the organization (including subcontractors and vendors) in providing services and products under this Agreement. All records shall indicate the nature and number of observations made, the number and type of deficiencies found, and the corrective actions taken. All records shall be available to the COUNTY, upon request, during the Agreement term. All records shall be kept at the primary job site and shall be subject to audit review.

11.0 CERTIFICATION OF FINAL ESTIMATES:

11.1 Final Estimate and As-Built Plans Submittal:

Prepare documentation and records in compliance with the Agreement, Statewide Quality Control (QC) Plan, or CONSULTANT's approved QC Plan and the COUNTY's Procedures as required by CPAM.

Submit the Final Estimate(s) and one (1) set of final "as-built plans" documenting the Contractor's work in accordance with CPAM.

Revisions to the Certified Final Estimate will be made at no additional cost to the COUNTY.

11.2 Certification:

CONSULTANT personnel preparing the Certified Final Estimate Package.

Duly authorized representative of the CONSULTANT firm shall provide a notarized certification on a form pursuant to COUNTY's procedures.

11.3 Offer of Final Payment:

Prepare the Offer of Final Payment package as outlined in CPAM. The package shall accompany the Certified Final Estimates Package submitted to the District Final Estimates Office for review. The CONSULTANT shall be responsible for forwarding the Offer of Final Payment Package to the Contractor.

12.0 Engineer of Record – Engineering Services

12.1 Requests for Information (RFI's): The CONSULTANT shall respond to requests of COUNTY for necessary clarifications and interpretations of the contract documents. The CONSULTANT shall act as initial interpreter of the requirements of the contract documents, and render evaluations of acceptability of the work there under. The compensation for the work in this paragraph is not intended to be applied as a remedy to any plan or document deficiencies that may become evident during the construction phase.

12.2 Construction Meetings: The CONSULTANT shall attend up to three (3) construction meetings as requested by COUNTY during the construction period. This includes the pre-construction meeti ng. The COUNTY will record the meeting activities and issue detailed minutes to all interested parties. Included in the progress meeting shall be a tour of the site for the purpose of evaluating t he work progress and solving problems associated with the construction if needed.

12.3 Shop Drawing: The CONSULTANT shall review, reject and/or approve shop drawings, which the contractor is required to submit, but only for conformance with the design concept of the project and compliance with the contract documents. Also determine the acceptability, subject to COUNTY approval, of substitute materials and equipment proposed by contractors. All this work shall be scheduled, transmitted and received by the CONSULTANT with and through COUNTY.

12.4 Site Visits: The CONSULTANT shall make periodic visits to the site at intervals appropriate to the various stages of construction to observe as an experienced and qualified design professional, the progress and quality of the executed work of contractor(s) and to determine if work is proceeding in substantial accordance with the contract documents. On the basis of such on-site observations CONSULTANT shall keep the COUNTY informed of the progress of the work and shall endeavor to notify the COUNTY of observed defects or deficiencies in the work or delays of the contractor. CONSULTANT shall, with COUNTY concurrence, have authority as the COUNTY's representative, to require special inspection or testing of the work, and shall receive and review certificates of inspections, testing and approvals required by laws, rules, regulations, ordinances, codes, orders. CONSULTANT shall perform up to six (6) site visits at the COUNTY's request. One (1) written report, via email in pdf format, shall be submitted to the COUNTY after each visit, which shall occur during the active construction period, by the CONSULTANT. The CONSULTANT shall not be responsible for construction means, methods, techniques, sequences, procedures, or for safety precautions and programs in connection with the work and shall not be responsible for the contractor's failure to carry out the work in accordance with the contract documents. CONSULTANT shall immediately report any problems or issues observed on-site to the COUNTY.

12.5 Substantial Completion Inspection with COUNTY, the CONSULTANT shall conduct an inspection with the COUNTY and issue recommendations in writing to the COUNTY regarding acceptability of the substantially completed facility and prepare a list of items (punch list) for the correction or completion.

12.6 Final Inspection with COUNTY, the CONSULTANT shall conduct final inspection with the COUNTY to verify that the "punch list" items are satisfactorily completed, and if appropriate, issue a certificate of completion which recommends final payment.

13.0 AGREEMENT MANAGEMENT:

13.1 General

(1) With each monthly invoice submittal, the CONSULTANT shall provide a Status Report for the Agreement. This report will provide the an accounting of the additional Agreement calendar days allowed to date, an estimate of the additional calendar days anticipated to be added to the original schedule time, an estimate of the Agreement completion date, and an estimate of the CONSULTANT funds expiration date per the Agreement schedule for the prime CONSULTANT and for each subconsultant. The CONSULTANT shall provide a printout from the Equal Opportunity Reporting System showing the previous month's payments made to subconsultants. Invoices not including this required information may be rejected.

(2) When the CONSULTANT identifies a condition that will require an amendment to the Agreement, the CONSULTANT shall communicate this need to the Construction Project Manager for acceptance. Upon acceptance, prepare and submit an Amendment Request (AR), and all accompanying documentation to the Construction Project Manager for approval and further processing. The AR is to be submitted at such time to allow the COUNTY 1 to 2 weeks to process, approve, and execute the AR. The content and format of the AR and accompanying documentation shall be in accordance with the instructions and

format to be provided by the COUNTY.

(3) The CONSULTANT is responsible for performing follow-up activities to determine the status of each Amendment Request submitted to the COUNTY.

14.0 OTHER SERVICES:

Upon written authorization by the COUNTY or designee, the CONSULTANT shall perform additional services in connection with the project not otherwise identified in this Agreement. The following items are not included as part of this Agreement but may be required by the COUNTY to supplement the CONSULTANT services under this Agreement and may be added via Change Order.

A. Geotechnical and Testing Services

B. Prepare and make presentations for meetings and hearings before the Dispute Review Boards in connection with the project covered by this Agreement.

C. Assist in preparing for arbitration hearings or litigation that occurs during the Agreement time in connection with the construction project covered by this Agreement.

D. Provide qualified engineering witnesses and exhibits for arbitration hearings or litigation in connection with the Agreement.

E. Provide inspection services in addition to those provided for in this Agreement.

F. Provide services determined necessary for the successful completion and closure of the Construction Contract.

G. Provide Agency Certifications: The CONSULTANT shall provide a signed and sealed written verification confirming grades and elevations of stormwater management berms and control structures necessary to make certification to SFWMD and any other permitting agencies. Verification is predicated on-site inspection and Contractor's as-built information confirming construction within regulatory agency tolerances for acceptance.

H. The COUNTY will provide Public Information Services.

15.0 POST CONSTRUCTION CLAIMS REVIEW:

In the event the Contractor submits a claim for additional compensation and/or time after the CONSULTANT has completed this Agreement, analyze the claim, engage in negotiations leading to settlement of the claim, and prepare and process the required documentation to close out the claim. Compensation for such services will be negotiated and effected through a Supplemental Amendment to this Agreement.

16.0 CONTRADICTIONS:

In the event of a contradiction between the provisions of this Scope of Services and the CONSULTANT's proposal as made a part of their Agreement, the provisions of the Scope of Services shall apply.

17.0 THIRD PARTY BENEFICIARY

It is specifically agreed between the parties executing this Agreement that it is not intended by any of the provisions of any part of the Agreement to create in the public or any member thereof, a third party beneficiary hereunder, or to authorize anyone not a party to this Agreement to maintain a claim, cause of action, lien or any other damages or any relief of any kind pursuant to the terms or provisions of this Agreement.

18.0 COUNTY AUTHORITY

The COUNTY shall be the final authority in considering modifications to the Construction Contract for time, money or any other consideration.

END OF SCOPE

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

Compensation and Method of Payment for:

Corkscrew Road and Puente Lane Intersection Improvements

Section 1.00 Changes in Compensation

The compensation the CONSULTANT shall be entitled to receive for providing and performing the supplemented or changed services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit 'CO/STA-A', attached hereto shall be as follows:

NOTE: A Lump Sum (LS) or Not-to-Exceed (NTE) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or subtask described and authorized in Exhibit 'CO/STA-A'.

Task Number	Task Name	LS or NTE	Compensation in Agreement or STA	Change Order Only		Total Compensation per Task
				Adjustment(s) by all previous CO(s)	Adjustment(s) due to this CO	
8.5.1	Construction Kickoff Meeting	NTE	2007			2007
8.5.2	NPDES Review	NTE	1549			1549
8.5.3	Schedule Review	NTE	828			828
8.5.4	Analyze Prob./develop Solutions	NTE	1976			1976
8.5.5	Utility Coordination	NTE	787			787
8.5.6	Daily Surveillance/Monthly QTYs	NTE	28140			28140
8.5.7	As-Built Review	NTE	1499			1499
8.5.8	Monthly Status Reports	NTE	1524			1524
8.5.9	Video/Photographic Records	NTE	1246			1246
8.6	Drilled Shaft Engineering	NTE	6918			6918
12.1	EOR - RFI's	NTE	4539			4539
12.2	EOR - Construction Meetings	NTE	1755			1755
12.3	EOR - Shop Drawing Review	NTE	2297			2297
-	Continued on Following Page					
	Project Total:		55065			55065

Total amount authorized by this CO or STA: 55,065

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

Compensation and Method of Payment for:

Corkscrew Road and Puente Lane Intersection Improvements

Section 1.00 Changes in Compensation

The compensation the CONSULTANT shall be entitled to receive for providing and performing the supplemented or changed services, tasks, or work as set forth and enumerated in the Scope of Services set forth in this CHANGE ORDER OR SUPPLEMENTAL TASK AUTHORIZATION AGREEMENT, Exhibit 'CO/STA-A', attached hereto shall be as follows:

NOTE: A Lump Sum (LS) or Not-to-Exceed (NTE) amount of compensation to be paid the CONSULTANT should be established and set forth below for each task or subtask described and authorized in Exhibit 'CO/STA-A'.

Task Number	Task Name	LS or NTE	Compensation in Agreement or STA	Change Order Only		Total Compensation per Task
				Adjustment(s) by all previous CO(s)	Adjustment(s) due to this CO	
-	Total From Previous Page	NTE	55065			55065
12.4	EOR - Site Visits	NTE	4396			4396
12.5	EOR - Substantial Const. Inspec.	NTE	1348			1348
12.6	EOR - Final Inspection	NTE	986			986
	Expenses	NTE	4183			4183
	Project Total:		65978			65978

Total amount authorized by this CO or STA: 65978

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

CONSULTANT'S Personnel Hourly Rate Schedule for:

Corkscrew Road and Puente Lane Intersection Improvements

CONSULTANT or Sub-Consultant Name: Stantec

(A separate Attachment #1 should be included for each Sub-Consultant)

1. Project Position or Classification (Function to be Performed)	2. Hourly Rate to be Charged
Senior Project Manager	$200.00
Senior Project Engineer	$181.00
CEI Project Admin./ Project Engineer	$172.00
CEI Senior Inspector/Senior Engineer Intern	$131.00
CEI Inspector/Engineer Intern	$123.00
Administrative Professional	$131.00

Reimbursable Item	Cost	Reimbursable Item	Cost

Receipts or in-house logs are required for all non-personnel reimbursable expenses unless exempt (such as meals).

Administrative Services Fees - Applicable only when specifically authorized by the County, for administering the procurement of special additional services, equipment, reimbursables, etc. not covered under the costs and/or changes established in the Agreement

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

Time & Schedule of Performance for:

Corkscrew Road and Puente Lane Intersection Improvements

Section 1.00 Changes for this Change Order or Supplemental Task Authorization Agreement

The time and schedule of completion for the various phases or tasks required to provide and perform the services, tasks or work set forth in this Change Order of Supplemental Task Authorization Agreement, Exhibit 'CO/STA-A', entitled 'Scope of Professional Services' attached hereto is as follows:

Task Number as Indicated in Exhibit A	Name/Title of Task	Previously Approved Number of Days per Task (CO Only)	Increase in Number of Calendar Days per Task (CO Only)	Cumulative Number of Calendar Days for Completion from Date of Notice to Proceed per Task (CO & STA)
8.5.1	Construction Kickoff Meeting			30
8.5.2	NPDES Review			30
8.5.3	Schedule Review			150
8.5.4	Analyze Prob./develop Solutions			84
8.5.5	Utility Coordination			84
8.5.6	Daily Surveillance/Monthly QTYs			84
8.5.7	As-Built Review			120
8.5.8	Monthly Status Reports			150
8.5.9	Video/Photography Records			84
8.6	Drilled Shaft Engineering			84
12.1	EOR - RFI's			120
12.2	EOR - Construction Meetings			84
	Continued on Following Page			

Total Number of Calendar Days for Completion of Project from Notice to Proceed: _____

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

Time & Schedule of Performance for:

Corkscrew Road and Puente Lane Intersection Improvements

Section 1.00 Changes for this Change Order or Supplemental Task Authorization Agreement

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Task Number as Indicated in Exhibit A	Name/Title of Task	Previously Approved Number of Days per Task (CO Only)	Increase in Number of Calendar Days per Task (CO Only)	Cumulative Number of Calendar Days for Completion from Date of Notice to Proceed per Task (CO & STA)
12.3	EOR - Shop Drawing Review			84
12.4	EOR - Site Visits			84
12.5	EOR - Substantial Const. Inspec.			120
12.6	EOR - Final Inspection			150
STA shall terminate 1 year after construction is complete				

Total Number of Calendar Days for Completion of Project from Notice to Proceed: 150

CONSULTANT'S Associated Sub-Consultant(s)/Subcontractor(s)

Print Form

☐ Change Order Agreement #: _____ ☒ Supplemental Task Authorization #: 1

CONSULTANT'S Associated Sub-Consultant(s) and Subcontractor(s) for:

Corkscrew Road and Puente Lane Intersection Improvements

CONSULTANT intends to engage the following sub-consultant(s) and/or sub-contractor(s) to assist the CONSULTANT in providing and performing the services, tasks, or work required under this Change Order, or Supplemental Task Authorization Agreement.

If none, enter the word 'none' in the space below.

Service/Work to be Provided/Performed	Name & Address of Individual or Firm	Disadvantaged, Minority or Women Business Enterprise
	NONE	Type
		Type
		Type
		Type
		Type
		Type
		Type
		Type

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Williams Road & Atlantic Gulf Blvd Intersection Improvements Budget Amendment

Resolution 2021-12 a resolution of the Village Council of the Village of Estero, Florida, Approving the third budget amendment for Fiscal Year 2020-2021 to approve use of additional Village funds and provide funding transfer for Williams Road & Atlantic Gulf Blvd Intersection Improvements; and providing an effective date.

Description:

To improve safety and traffic flow along Williams Road west of US 41, intersection improvements are required at Atlantic Gulf Blvd.

Village Council previously approved a concept design which includes closing the left turn out of Walgreens, extending the left turn lane at US 41 and installing a roundabout at the Estero Life Care Center entrance.

The Fiscal Year 2020-2021 Budget includes $300,000 for the design and permitting of the proposed intersection improvements.

It is estimated the design, permitting and project management for the project will cost approximately $575,500, requiring approximately $275,500 of additional funds.

Action Requested:

Adopt Resolution No. 2021-12 a resolution of the Village Council of the Village of Estero, Florida, Approving the second budget amendment for Fiscal Year 2020-2021 to approve use of additional Village funds and provide funding transfer for Williams Road & Atlantic Gulf Blvd Intersection Improvements; and providing an effective date.

Financial Impact:

Williams Road & Atlantic Gulf Blvd Intersection Improvements Fiscal Year 2020-2021 CIP budget will be increased by $275,500 for a total budgeted amount of $575,500 (this includes project design, permitting and project management cost, plus 10% Contingency).

Attachments:

1. Project Concept
2. Resolution 2021-12

VILLAGE OF ESTERO, FLORIDA

RESOLUTION NO. 2021 - 12

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF ESTERO, FLORIDA, APPROVING THE THIRD BUDGET AMENDMENT FOR FISCAL YEAR 2020-2021 TO APPROVE USE OF ADDITIONAL VILLAGE FUNDS AND PROVIDE A FUNDING TRANSFER FOR WILLIAMS ROAD & ATLANTIC GULF BOULEVARD INTERSECTION IMPROVEMENTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, Resolution No. 2020-21, adopted the 2020-2021 fiscal year budget which includes $300,000 for the Williams Road & Atlantic Gulf Boulevard Intersection Improvements; and

WHEREAS, the Village of Estero received contract proposal in the amount of $469,099 for the design/permitting of the proposed intersection improvements; and

WHEREAS, the Village of Estero received contract proposal in the amount of $54,000 for the project management of the proposed intersection improvements; and

WHEREAS, the total Fiscal Year 2020-2021 project cost is estimated to be $575,500, which includes a 10% contingency to cover unforeseen project costs; and

WHEREAS, as provided in the Village Charter Section 8(6)(d), the following transfer of unencumbered appropriations will be added to the 2020-2021 Budget.

NOW, THEREFORE, be it resolved by the Village Council of the Village of Estero, Florida:

Section 1. Approve funding transfer of $275,500 from General Fund unencumbered appropriations 001-000-5810300 into the Capital Projects line items fund 300-710-5416304 for Williams Road and Atlantic Gulf Blvd. Intersection Improvements.

Section 2. This Resolution shall take effect immediately upon adoption.

ADOPTED BY THE VILLAGE COUNCIL of the Village of Estero, Florida this 7th day of April, 2021.

Attest: **VILLAGE OF ESTERO, FLORIDA**

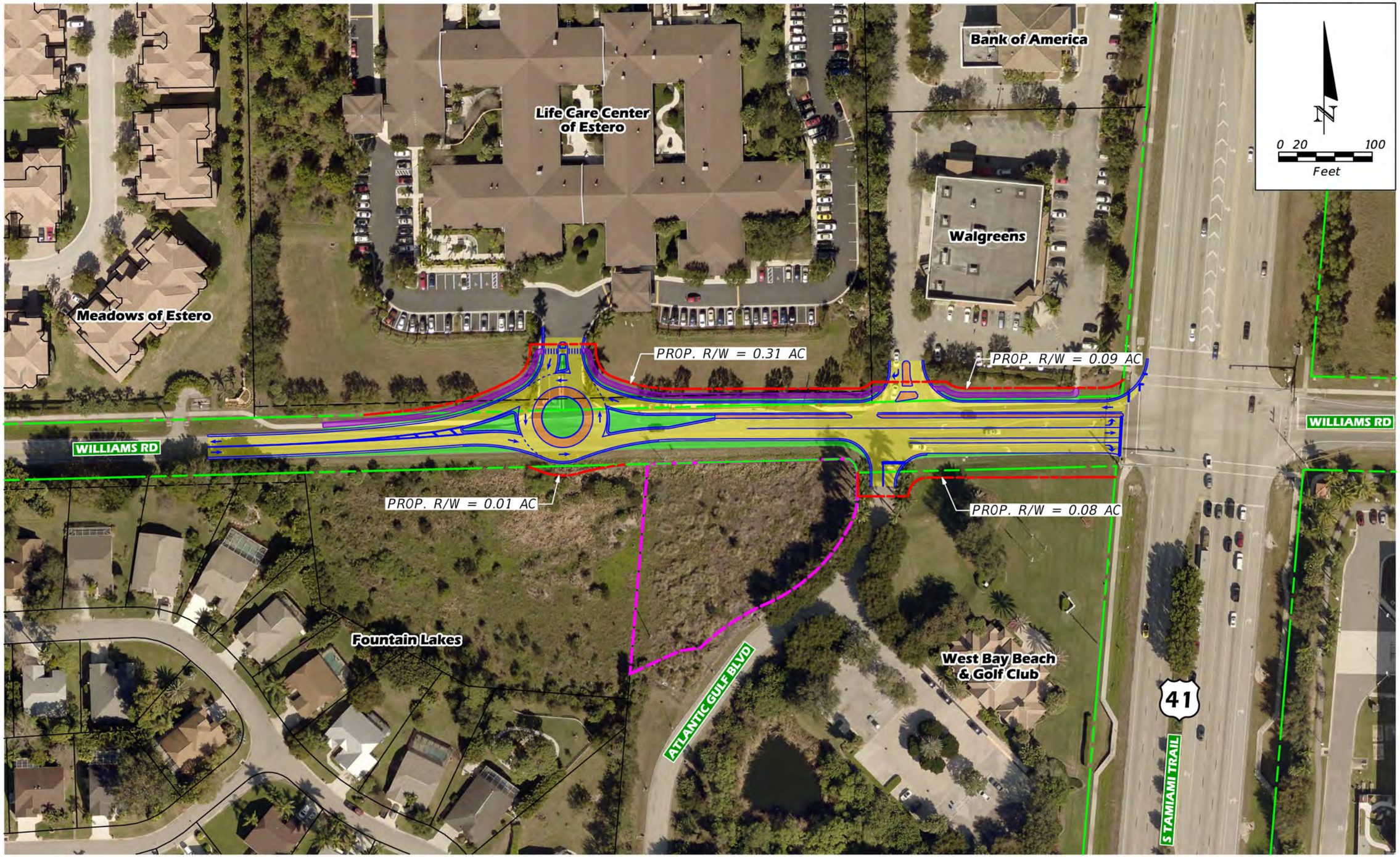
By: _____ By: _____
Carol Sacco, Village Clerk Katy Errington, Mayor

Reviewed for legal sufficiency:

By: _____
Burt Saunders, Esq., Village Attorney

PRELIMINARY

AERIAL FLIGHT DATE: 2017



OPTION 4A - ROUNDABOUT (95-FT INSCRIBED DIAMETER)

EXISTING PROPERTY LINE
EXISTING R/W LINE
EXISTING CONSERVATION EASEMENT
PROPOSED R/W LINE
PROPOSED ROADWAY
PROPOSED SIDEWALK
PROPOSED TRAFFIC SEPARATOR
PROPOSED SOD

AIM ENGINEERING & SURVEYING
3802 CORPOREX PARK DRIVE
SUITE 225
TAMPA, FL 33619

VILLAGE OF ESTERO		
ROAD NO.	COUNTY	CONTRACT No.
N/A	LEE	CN2018-02

WILLIAMS RD / ATLANTIC GULF BLVD INTERSECTION IMPROVEMENTS

CONCEPT PLAN

SHEET NO. 4A

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

US 41 Landscape Improvements RFB 2021-02

Description:

The State of Florida, Department of Transportation (FDOT) is providing funding for landscaping improvements for Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard. This project was competitively bid per the Village's Purchasing requirements as outlined in Ordinance No. 2015-06. Bids were received on March 18, 2021.

The proposed project includes installation of landscaping along the east and west sides of US 41 in two locations. The project locations are shows on the attached location map and the landscape details are included on the attached landscape plans.

The action requested completes the competitive bid process by approving award of the bid and accompanying contract to the lowest responsive and responsible bidder.

Staff has attached firm ownership disclosure of greater than 5% as recommended by the Village Attorney.

Action Requested:

Approve award of Request for Bids No. RFB 2021-02, US 41 Landscape Improvements Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard to P & T Lawn and Tractor Service, Inc. at a Grand Total Cost of $118,075.

Also approve a contingency fund amount of $11,800 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the contract and any other related ancillary documents on behalf of the Village of Estero Council.

Financial Impact:

$129,875 (Bid Cost of $118,075 plus $11,800 for Contingency.) This funding is below the available grand funds of approximately $134,000.

Attachments:

1. Location Map
2. Project Landscape Plans
3. Bid from P & T Lawn and Tractor Service, Inc.
4. Contract
5. Vendor Disclosure Form

US 41 North Location Map

Project Location (North)

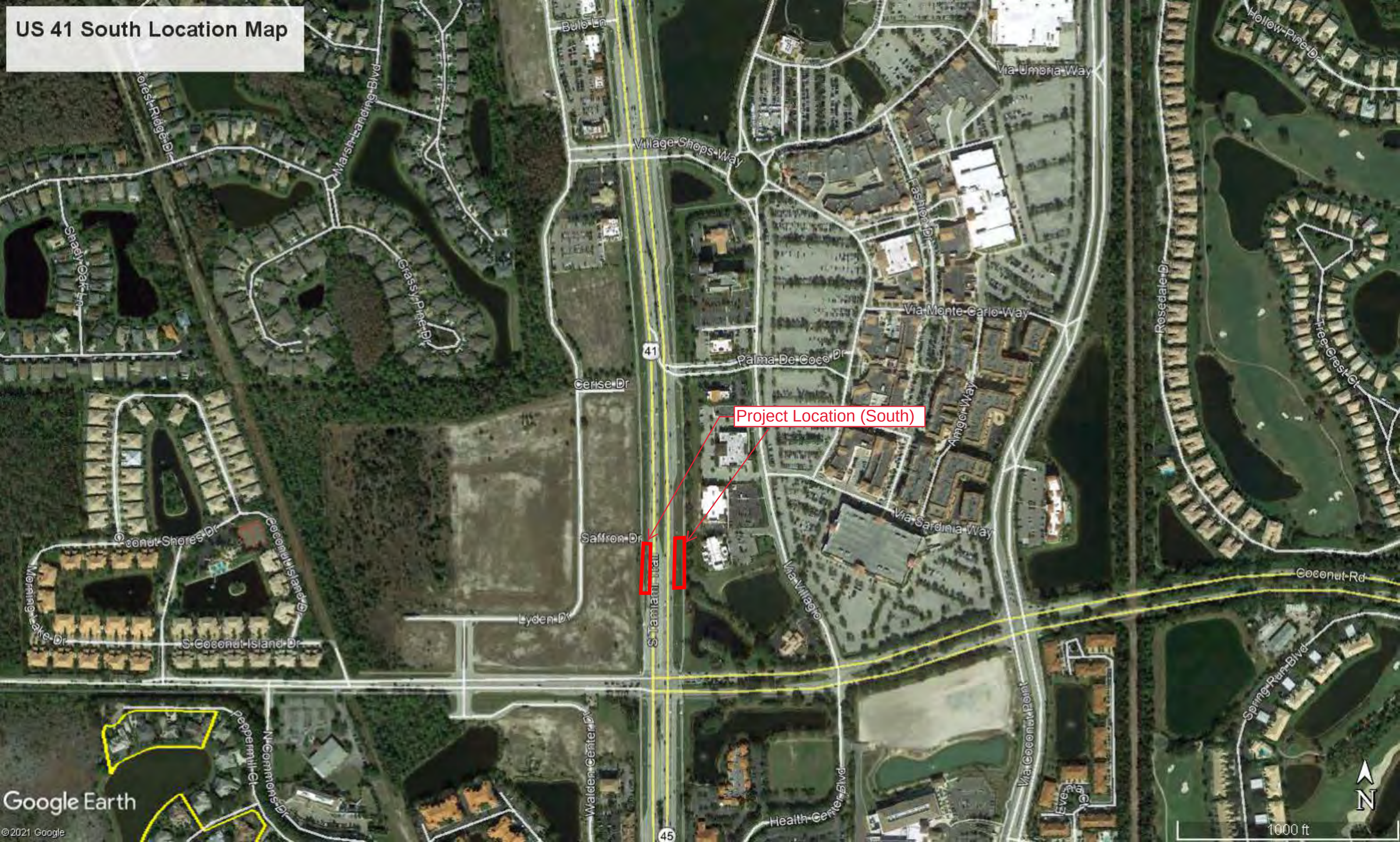
Palmetto Rd
Pine Rd
Adams Rd
Estero Verde Dr
Vintage Pkwy
Vintage Trace Cir
Kingbird Loop
Seponza Cir
La Serena Dr
Oasis Verde Way
Osprey
Nuthatch Ln
Estero Pkwy
Durango Ct
Dillon Ln
Jace Ct
Brookeridge Dr
Torene Dr
Bravada St
Pino Vista Way
Stansland-Haney Blvd
Trailside Dr
Park Ave
S Tamiami Trail
Cypress Bend Dr
Mulwood Dr
Covewood Dr
Pepperwood Dr
41
75

Google Earth
© 2021 Google

N

1000 ft

US 41 South Location Map



PLANT SYMBOL KEY

TREES	CODE	COMMON NAME
	BN	SILVER BISMARCK PALM
	IC	DAHOON HOLLY
	SP	CABBAGE PALMETTO
SHRUBS	**CODE**	**COMMON NAME**
	CA	`QUEEN EMMA` CRINUM LILY
	SR	SILVER SAW PALMETTO
	ZP	COONTIE
SHRUB AREAS	**CODE**	**COMMON NAME**
	MC	PINK MUHLY GRASS
GROUND COVERS	**CODE**	**COMMON NAME**
	NF	FIREBALL BROMELIAD
TURF GRASSES	**CODE**	**COMMON NAME**
	PN	BAHIA GRASS

1" = 30'

APPROXIMATE R/W LINE (TYP)
EXISTING SIDEWALK
50'-0" (TYP)
EXISTING WATER MAIN
TOP OF SWALE
℄ OF SWALE
EXISTING OVERHEAD ELECTRICAL
EXISTING POWER LINE POLE (TYP)
36 LF OF SEDIMENT BARRIER AROUND DRAINAGE STRUCTURE
IC 2
IC 3
BN 3
CA 3
SR 10
PN 73 SF
ZP 66
MC 248
NF 87
EXISTING MITERED END DRAINAGE STRUCTURE
CLEAR ZONE
EXISTING "ESTERO PARKWAY" SIGN
EXISTING MITERED END DRAINAGE STRUCTURE
17'-0"
24'-0"
EXISTING "TURN LANE" SIGN
EDGE OF TRAVEL LANE
EXISTING SHRUB AND GROUND COVER INSTALLED IN MEDIANS UNDER SEPARATE PROJECT SHOWN IN GREY (FPID 442085-1-54-01)
EXISTING "ONE WAY" SIGN
331
332
333
334
335
LIMIT OF CLEAR SIGHT (555')
EXISTING TYPE E CURB (TYP)
EXISTING TREES TO REMAIN
EDGE OF TRAVEL LANE
APPROXIMATE LOCATION OF SANITARY SEWER PIPE
24'-0"
CLEAR ZONE
EXISTING CONCRETE PAD BUS STOP LOCATION
NF 63
CA 3
MC 183
BN 3
ZP 31
EDGE OF AUXILIARY LANE
EXISTING "TURN LANE" SIGN
EXISTING LIGHT POLE (TYP)
14'-0"
OUTDOOR ADVERTISING VIEW ZONE (PERMIT BY279)
EXISTING MITERED END DRAINAGE STRUCTURES
28 LF OF SEDIMENT BARRIER
500' VIEW ZONE
PN 63 SF
NF 38
IC 3
IC 3
SR 9
EXISTING MITERED END DRAINAGE STRUCTURES
50'-0"
℄ OF SWALE
EXISTING SIDEWALK
PN 63 SF
BOTTOM OF SWALE
APPROXIMATE R/W LINE (TYP)
SP 4
MC 9
MC 21
PN 204 SF
TOP OF SWALE
215 LF OF SEDIMENT BARRIER AROUND DRAINAGE STRUCTURE AND SWALE

POSTED SPEED: 50 MPH
DESIGN SPEED: 50 MPH

CLEAR ZONE:
TRAVEL LANE: 24'
AUXILIARY LANE: 14'

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G10-11.011, F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

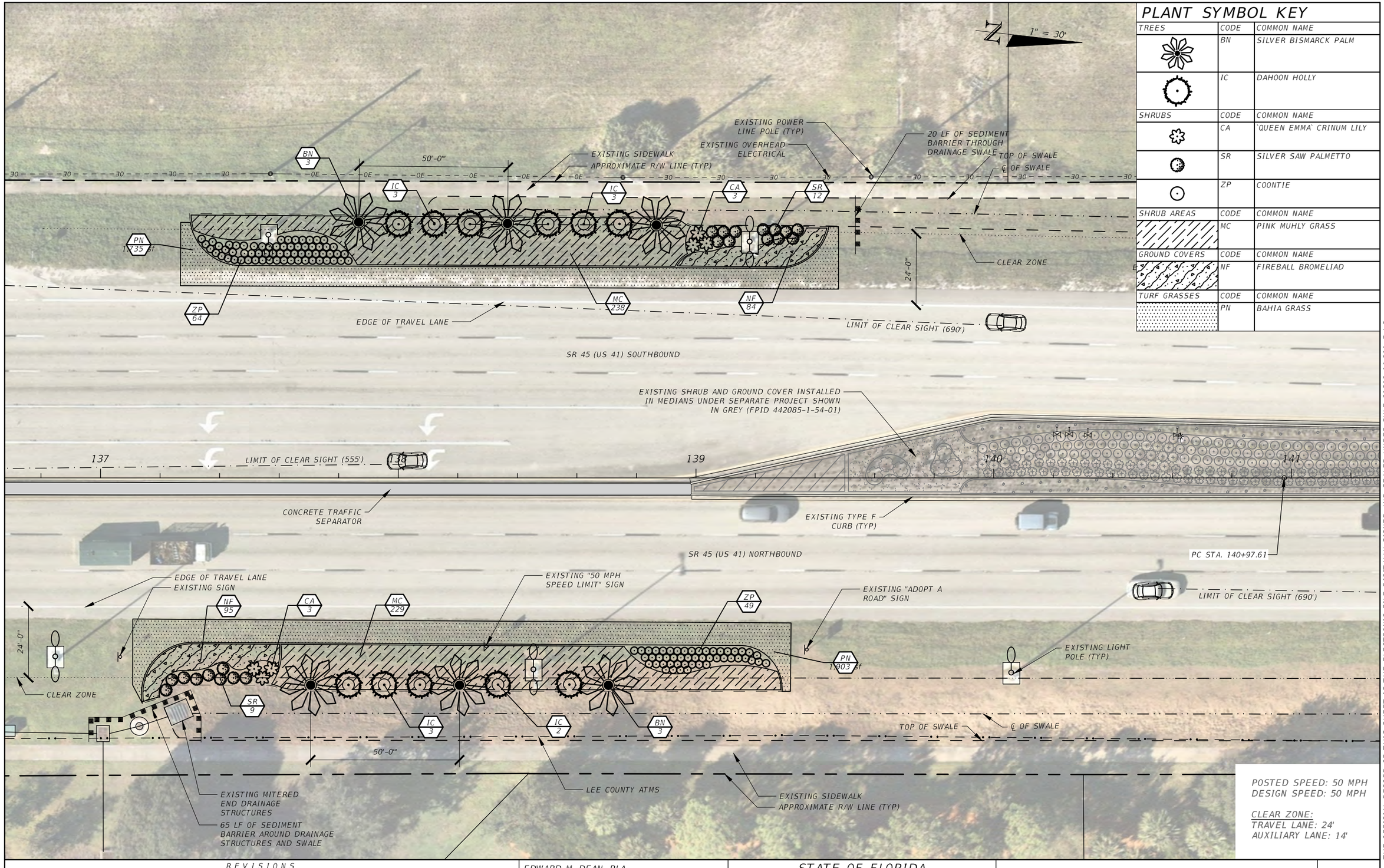
EDWARD M. DEAN, PLA
P.L.A. LICENSE NUMBER 6667269
KIMLEY-HORN AND ASSOCIATES
1777 MAIN STREET, SUITE 200
SARASOTA, FL 34236
CERTIFICATE OF AUTHORIZATION 00000696

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	446968-1-74-01

LANDSCAPE PLAN SHEET

SHEET NO.
LD-5



PLANT SYMBOL KEY

TREES	CODE	COMMON NAME
	BN	SILVER BISMARCK PALM
	IC	DAHOON HOLLY
SHRUBS	**CODE**	**COMMON NAME**
	CA	`QUEEN EMMA` CRINUM LILY
	SR	SILVER SAW PALMETTO
	ZP	COONTIE
SHRUB AREAS	**CODE**	**COMMON NAME**
	MC	PINK MUHLY GRASS
GROUND COVERS	**CODE**	**COMMON NAME**
	NF	FIREBALL BROMELIAD
TURF GRASSES	**CODE**	**COMMON NAME**
	PN	BAHIA GRASS

POSTED SPEED: 50 MPH
DESIGN SPEED: 50 MPH

CLEAR ZONE:
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SARASOTA, FL 34236
CERTIFICATE OF AUTHORIZATION 00000696

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 45	LEE	446965-1-74-01

LANDSCAPE PLAN SHEET

SHEET NO. LD-5

VILLAGE OF ESTERO, FLORIDA
PROPOSAL QUOTE FORM
FOR
US 41 LANDSCAPE IMPROVEMENTS
BROADWAY EAST TO VINTAGE PARKWAY
&
COCONUT ROAD TO FOUNTAIN LAKES BOULEVARD

DATE SUBMITTED: ~~March 1, 2021~~ March 18, 2021

VENDOR NAME: P & T Lawn and Tractor Service, Inc.

TO: The Village of Estero
Estero, Florida

Having carefully examined the "General Provisions", and the "Special Provisions", all of which are contained in the Contract Documents, the Undersigned proposes to furnish the following which meets these specifications:

NOTE REQUIREMENT: IT IS THE SOLE RESPONSIBILITY OF THE VENDOR TO CHECK THE VILLAGE OF ESTERO WEB SITE FOR ANY PROJECT ADDENDA ISSUED FOR THIS PROJECT. THE VILLAGE WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL NOT NOTIFY.

The undersigned acknowledges receipt of Addenda numbers: Addendum 1 (attached)

US 41 LANDSCAPE IMPROVEMENTS

BROADWAY EAST TO VINTAGE PARKWAY – TOTAL COST: $ 55,272.00

BROADWAY EAST TO VINTAGE PARKWAY – ONE (1) YEAR MAINTENANCE: $ 3,800.00

COCONUT ROAD TO FOUNTAIN LAKES BOULEVARD – TOTAL COST: $ 55,203.00

COCONUT ROAD TO FOUNTAIN LAKES BOULEVARD – ONE (1) YEAR MAINTENANCE: $ 3,800.00

GRAND TOTAL COST (BOTH LOCATIONS & MAINTENANCE): $ 118,075.00

ACQUISITION OF ALL REQUIRED MATERIALS SHALL BE ACHIEVED WITHIN 60 CALENDAR DAYS AFTER RECEIPT OF NOTICE TO PROCEED/COMMENCEMENT.

SUBSTANTIAL COMPLETION SHALL BE ACHIEVED WITHIN 90 CALENDAR DAYS AFTER RECEIPT OF NOTICE TO PROCEED/COMMENCEMENT.

FINAL COMPLETION SHALL BE ACHIEVED NOT LATER THAN 20 CALENDAR DAYS FOLLOWING SUBSTANTIAL COMPLETION.

Bidders should carefully read all the terms and conditions of the specifications. Any representation of deviation or modification to the bid may be grounds to reject the bid.

Are there any modifications to the bid or specifications:

YES ✓ NO_____

Failure to clearly identify any modifications in the space below or on a separate page may be grounds for the bidder being declared nonresponsive or to have the award of the bid rescinded by the Village.

MODIFICATIONS:

- Zamia Pumica (Coontie), will be 18"-24" and 7 gallon

The Village of Estero
9401 Corkscrew Palms Circle
Estero, FL 33928

(239) 319-2821
www.Estero-fl.gov

DATE: March 8, 2021
SOLICITATION NO.: RFB 2021-02

SUBJECT: ADDENDUM NUMBER: One (1)

REFERENCE: US 41 LANDSCAPE IMPROVEMENTS BROADWAY EAST TO VINTAGE PARKWAY & COCONUT ROAD TO FOUNTAIN LAKES BOULEVARD

The following changes/responses/clarifications shall become a part of the Bid Documents and shall be as binding as if contained therein:

1. The Bid Due Date for this this project has changed. It is now: **Thursday, March 18, 2021 at 2:00 p.m.**

2. The landscape and irrigation construction plans do not reference a cross street for us to determine where the work is to be performed in the Right of Ways. Please define by median location from a starting point or some other reference.

   Village Response: In reference to 446965-1-74-01, the median shown in the plans is the first median north of Coconut Road. In reference to 446968-1-74-01, the median shown in the plans is the first median north of Estero Parkway.

3. The irrigation plans call for a directional bore under US 41. What type of pipe is to be used? (HDPE SDR 11?). Confirm the size.

   Village Response: HDPE SDR 11 is acceptable. Minimum sleeve size for 1-1/4" mainline pipe size shall be a 3" sleeve.

4. Is the directional bore pipe to be used as the conveyance pipe or a sleeve?

   Village Response: Direction bore pipe to be used as a sleeve.

5. If a sleeve, what size is the main line that goes through the sleeve? Is the pipe through the sleeve Class 200 or Schedule 40? What color? Purple?

   Village Response: The mainline shall be a minimum of 1-1/4" pipe to provide service to the new valve. The mainline is to be Class 200, purple.

6. The areas indicated for maintenance are from Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard. There is a gap of roadway between these two sections. Are we to include the gap in the maintenance bid?

   Village Response: No, the area of maintenance is limited to the installed plant beds. Maintenance of landscaped areas such as medians and adjacent roadside turf are not the responsibility of the contractor.

7. Sheet LD6 states, "Maintain all landscaped medians located within the project limits in accordance with the activities below. Existing roadside landscape is not included within the maintenance area." Please explain the limits of maintenance:

Are we to maintain both the medians and Right of Ways on both sides of the roads?

Village Response: This is incorrectly stated in the plans. The maintenance area is defined by the limits of plant beds installed as part of this contract. Maintenance of landscaped areas such as medians and adjacent roadside turf are not the responsibility of the contractor.

Are we to maintain only the medians and not the Right of Ways on both sides of the road?

Village Response: Maintenance activities are limited to the landscape installed as part of the plans. Maintenance of landscaped areas such as medians and adjacent roadside turf are not the responsibility of the contractor.

Or, are we to maintain only the Right of Ways and not the medians?

Village Response: Maintenance activities are limited to the landscape installed as part of the plans. Maintenance of landscaped areas such as medians and adjacent roadside turf are not the responsibility of the contractor.

What are the limits of maintenance in the Right of Ways? Up to the sidewalks? Beyond the sidewalks? How far? Indicate the limits in feet?

Village Response: Maintenance activities are limited to the landscape installed as part of the plans. Maintenance of landscaped areas such as medians and adjacent roadside turf are not the responsibility of the contractor.

What is the sequence of maintenance services? How many services per year and define the number in each month.

Village Response: The contractor is responsible for maintaining the material in conformance with the performance specifications included in

the Technical Maintenance Plan included in the Plans. The required number of services should be defined by the contractor in order to maintain the project accordingly.

Who controls the watering schedule for the irrigation in the new construction areas?

Village Response: The new irrigation zones should be added to the existing controller and set in accordance with the contractor's watering recommendations.

Where is the irrigation controller? Are there enough zones on the existing controller for the new irrigation?

Village Response: In reference to 446965-1-74-01, the existing irrigation controller is located between the installation location and Corkscrew road on the east side of the road. It is within 100' of the installation location at approximately station 136+60. In reference to 446968-1-74-01, the existing controller is located south of Broadway Avenue on the west side of US 41 approximately 380' south of the intersection. Both controllers are expected to have additional capacity to accept the 2 new zones.

8. Can the Bid Forms be sent in a PDF?

Village Response: The Bid Forms, which may be downloaded from the Village's website, are in a PDF format. Here is the link to the site:

https://estero-fl.gov/for-businesses/rfprfq/

BIDDER IS ADVISED, YOU ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM WHEN SUBMITTING A BID. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE BIDDER BEING CONSIDERED NON-RESPONSIVE.

ALL OTHER TERMS AND CONDITIONS OF THE BIDDING DOCUMENTS ARE AND SHALL REMAIN THE SAME.

Bob Franceschini, C.P.M., CPPB
Purchasing Manager

Bid No.: RFB 2021-02

ANTI-COLLUSION STATEMENT

THE BELOW SIGNED VENDOR HAS NOT DIVULGED TO, DISCUSSED OR COMPARED HIS RESPONSE WITH OTHER VENDORS AND HAS NOT COLLUDED WITH ANY OTHER VENDOR OR PARTIES TO A RESPONSE WHATSOEVER. NOTE: NO PREMIUMS, REBATES OR GRATUITIES TO ANY EMPLOYEE OR AGENT ARE PERMITTED EITHER WITH, PRIOR TO, OR AFTER ANY DELIVERY OF MATERIALS.

FIRM NAME P & T Lawn and Tractor Service, Inc.

BY (Printed): Teena Zielinski

BY (Signature): Teena Zielinski

TITLE: President

FEDERAL ID # OR S.S.# 65-0249564

ADDRESS: 15980 Old Olga Road, Alva, FL 33920

PHONE NO.: 239-694-4848

FAX NO.: 239-672-4260

CELLULAR PHONE NO.: 239-707-4610

E-MAIL ADDRESS: TeenaZ@PandTLandscaping.com / JessicaZ@PandTLandscaping.com

VILLAGE OF ESTERO, FLORIDA
VENDOR DISCLOSURE FORM

Project No.: RFB 2021-02

Project Name: US 41Landscape Improvements: Broadway E to Vintage Pkwy and Coconut Rd to Fountain Lakes Blvd

Please check as appropriate:

✓ I am the sole proprietor/owner. The company is not publicly held.

_____ The company is not publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

_____ The company is publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

I do hereby certify that to the best of my knowledge and belief certify that the information above and attached is true and correct.

Signed: Teena Zielinski
Vendor

Printed Name Teena Zielinski

Company Name: P & T Lawn and Tractor Service, Inc.

Date: 3/11/2021

NAMES & ADDRESSES OF OWNERS

NOTE: Please list individuals; the listing of a corporation(s) is NOT acceptable.

1. Teena Zielinski, President

15980 Old Olga Road, Alva, FL 33920

2. Peter Zielinski, Vice President

14310 Bigelow Road, Fort Myers, FL 33905

AFFIDAVIT CERTIFICATION
IMMIGRATION LAWS

SOLICITATION NO.: RFB 2021-02 PROJECT NAME: US 41Landscape Improvements: Broadway E to Vintage Pkwy and Coconut Rd to Fountain Lakes Blvd

VILLAGE OF ESTERO WILL NOT INTENTIONALLY AWARD VILLAGE CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) {SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

VILLAGE OF ESTERO MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY VILLAGE OF ESTERO.

BIDDER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: P & T Lawn and Tractor Service, Inc.

Teena Zielinski, President 3/11/2021
Signature Title Date

STATE OF Florida
COUNTY OF Lee

The foregoing instrument was signed and acknowledged before me this 11th day of March 2021, by Teena Zielinski who has produced
(Print or Type Name)
personally known as identification.
(Type of Identification and Number)

Notary Public Signature

Antonio Alejandro
Printed Name of Notary Public

ANTONIO ALEJANDRO
MY COMMISSION # GG089334
EXPIRES April 02, 2021

Notary Commission Number/Expiration

The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made.

VILLAGE OF ESTERO, FLORIDA

MAJOR INSURANCE REQUIREMENTS

Minimum Insurance Requirements: *The Village of Estero in no way represents that the insurance required is sufficient or adequate to protect the vendors' interest or liabilities. The following are the required minimums the vendor must maintain throughout the duration of this contract. The Village reserves the right to request additional documentation regarding insurance provided*

a. Commercial General Liability - Coverage shall apply to premises and/or operations, products and completed operations, independent contractors, contractual liability exposures with minimum limits of:

   $1,000,000 per occurrence
   $2,000,000 general aggregate
   $1,000,000 products and completed operations
   $1,000,000 personal and advertising injury

b. Business Auto Liability - The following Automobile Liability will be required and coverage shall apply to all owned, hired and non-owned vehicles use with minimum limits of:

   $1,000,000 combined single limit (CSL)
   $500,000 bodily injury per person
   $1,000,000 bodily injury per accident
   $500,000 property damage per accident

c. Workers' Compensation - Statutory benefits as defined by FS 440 encompassing all operations contemplated by this contract or agreement to apply to all owners, officers, and employees regardless of the number of employees. Workers Compensation exemptions may be accepted with written proof of the State of Florida's approval of such exemption. Employers' liability will have minimum limits of:

   $500,000 per accident
   $500,000 disease limit
   $500,000 disease – policy limit

*The required minimum limit of liability shown in a. and b. may be provided in the form of "Excess Insurance" or "Commercial Umbrella Policies." In which case, a "Following Form Endorsement" will be required on the "Excess Insurance Policy" or "Commercial Umbrella Policy."

Verification of Coverage:

1. Coverage shall be in place prior to the commencement of any work and throughout the duration of the contract. A certificate of insurance will be provided to the Village Manager for review and approval. The certificate shall provide for the following:

   a. The certificate holder shall read as follows:
      The Village of Estero, Florida

      9401 Corkscrew Palms Circle

      Estero, Florida 33928

   b. "*The Village of Estero, Florida, its agents, employees, and public officials*" will be named as an "Additional Insured" on the General Liability policy, including Products and Completed Operations coverage.

Special Requirements:

1. An appropriate "Indemnification" clause shall be made a provision of the contract.

2. It is the responsibility of the general contractor to insure that all subcontractors comply with all insurance requirements.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 2/2/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Chapman Insurance Group, LLC
2455 Tamiami Trail
Port Charlotte FL 33952

CONTACT NAME: Mary Kay McKeand
PHONE (A/C, No, Ext): 941-979-8426 **FAX (A/C, No):** 888-559-6583
E-MAIL ADDRESS: commercial@cigflorida.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Southern-Owners	10190
INSURER B : Owners	32700
INSURER C :	
INSURER D :	
INSURER E :	
INSURER F :	

INSURED P&TLAWN-01
P&T LAWN & TRACTOR SERVICE, INC
AND P&T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA FL 33920

COVERAGES **CERTIFICATE NUMBER:** 268204641 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY		Y	20503122	10/5/2020	10/5/2021	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE [X] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
							MED EXP (Any one person)	$ 10,000
							PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY [X] PRO-JECT [ ] LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY	Y	Y	5050312201	10/5/2020	10/5/2021	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB [X] OCCUR			5050312200	10/5/2020	10/5/2021	EACH OCCURRENCE	$ 2,000,000
	EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$
	DED [X] RETENTION $ 10,000							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N						PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] N/A (Mandatory in NH)						E.L. EACH ACCIDENT	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$
							E.L. DISEASE - POLICY LIMIT	$
A	INLAND MARINE			20503122	10/5/2020	10/5/2021	RENTED EQUIPMENT	100,000
							SCHEDULED EQUIP.	237,911

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
AUTOMATIC ADDITIONAL INSURED STATUS AND AUTOMATIC WAIVER OF SUBROGATION APPLIES TO CERTIFICATE HOLDER WITH REGARD TO GENERAL LIABILITY AND AUTO. CERTIFICATE HOLDER IS ADDITIONAL INSURED ON A PRIMARY AND NONCONTRIBUTORY BASIS WITH REGARDS TO GENERAL LIABILITY AND AUTO.
RE: RFB 2021-02: US 41 Improvements Broadway East to Vintage Pkwy and Coconut Road to Fountain lakes Blvd

CERTIFICATE HOLDER
THE VILLAGE OF ESTERO, FLORIDA
9401 CORKSCREW PALMS CIR #101
ESTERO FL 33928

CANCELLATION
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Brian G Chapman

CERTIFICATE OF LIABILITY INSURANCE

Date: 2/2/2021

Producer: Plymouth Insurance Agency
2739 U.S. Highway 19 N.
Holiday, FL 34691
(727) 938-5562

This Certificate is issued as a matter of information only and confers no rights upon the Certificate Holder. This Certificate does not amend, extend or alter the coverage afforded by the policies below.

Insurers Affording Coverage		NAIC #
Insurer A:	Lion Insurance Company	11075
Insurer B:		
Insurer C:		
Insurer D:		
Insurer E:		

Insured: South East Personnel Leasing, Inc. & Subsidiaries
2739 U.S. Highway 19 N.
Holiday, FL 34691

Coverages

The policies of insurance listed below have been issued to the insured named above for the policy period indicated. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions, and conditions of such policies. Aggregate limits shown may have been reduced by paid claims.

INSR LTR	ADDL INSRD	Type of Insurance	Policy Number	Policy Effective Date (MM/DD/YY)	Policy Expiration Date (MM/DD/YY)	Limits	
		GENERAL LIABILITY Commercial General Liability Claims Made ☐ Occur ☐ General aggregate limit applies per: Policy ☐ Project ☐ LOC ☐				Each Occurrence	$
						Damage to rented premises (EA occurrence)	$
						Med Exp	$
						Personal Adv Injury	$
						General Aggregate	$
						Products - Comp/Op Agg	$
		AUTOMOBILE LIABILITY Any Auto All Owned Autos Scheduled Autos Hired Autos Non-Owned Autos				Combined Single Limit (EA Accident)	$
						Bodily Injury (Per Person)	$
						Bodily Injury (Per Accident)	$
						Property Damage (Per Accident)	$
		EXCESS/UMBRELLA LIABILITY Occur ☐ Claims Made ☐ Deductible				Each Occurrence	
						Aggregate	
A		**Workers Compensation and Employers' Liability** Any proprietor/partner/executive officer/member excluded? **NO** If Yes, describe under special provisions below.	WC 71949	01/01/2021	01/01/2022	X WC Statutory Limits ☐ OTHER	
						E.L. Each Accident	$1,000,000
						E.L. Disease - Ea Employee	$1,000,000
						E.L. Disease - Policy Limits	$1,000,000
	Other		**Lion Insurance Company is A.M. Best Company rated A (Excellent). AMB # 12616**				

Descriptions of Operations/Locations/Vehicles/Exclusions added by Endorsement/Special Provisions: Client ID: 90-67-744

Coverage only applies to active employee(s) of South East Personnel Leasing, Inc. & Subsidiaries that are leased to the following "Client Company":

P&T Lawn & Tractor Service,Inc

Coverage only applies to injuries incurred by South East Personnel Leasing, Inc. & Subsidiaries active employee(s), while working in: FL

Coverage does not apply to statutory employee(s) or independent contractor(s) of the Client Company or any other entity.

A list of the active employee(s) leased to the Client Company can be obtained by faxing a request to (727) 937-2138 or email certificates@lioninsurancecompany.com

Project Name: RFB 2021-02: US 41 Improvements Broadway East to Vintage Pkwy and Coconut Road to Fountain lakes Blvd

ISSUE 02-02-21(BP)

Begin Date: 6/12/2019

CERTIFICATE HOLDER

THE VILLAGE OF ESTERO

9401 CORKSCREW PALMS CIRCLE
ESTERO, FL 33928

CANCELLATION

Should any of the above described policies be cancelled before the expiration date thereof, the issuing insurer will endeavor to mail 30 days written notice to the certificate holder named to the left, but failure to do so shall impose no obligation or liability of any kind upon the insurer, its agents or representatives.

PUBLIC ENTITY CRIME FORM

This form must be signed and sworn to in the presence of a notary public or other officer authorized to administer oaths.

1. This sworn statement is submitted to The Village of Estero, Florida
(*Print name of the public entity*)

by Teena Zielinski
(*Print individual's name and title*)

for P & T Lawn and Tractor Service, Inc.
(*Print name of entity submitting sworn statement*)

whose business address is 15980 Old Olga Road, Alva, FL 33920

(If applicable) its Federal Employer Identification Number (FEIN) is 65-0249564

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: On the attached sheet.) Required as per IRS Form W-9.

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1) (g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, and bid or contract for goods or services to be provided to any public entity or agency or political subdivision or any other state or of the Unites States, and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understate that "convicted" or "conviction" as defined in Paragraph 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
    1. A predecessor or successor of a person convicted of a public entity crime:
    or:
    2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those offices, directors, executives, partners, shareholders, employees, members and agents who are active in the management of the affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not fair market value under an arm's length agreement, shall be a facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1) (c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of the entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting those sworn statement. (*Please indicate which statement applies.*)

✓ Neither the entity submitted this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity nor affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearing and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OR ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Teena Zielinski
(*Signature*)

2/2/2021
(*Date*)

STATE OF Florida
COUNTY OF Lee

PERSONALLY APPEARED BEFORE ME, the undersigned authority, Teena Zielinski
(*Name of individual signing*)
who, after first being sworn by me, affixed his/her signature in the space provided above on this 2nd day of February, 2021

(NOTARY PUBLIC)

My Commission Expires: _____

ANTONIO ALEJANDRO
MY COMMISSION # GG089334
EXPIRES April 02, 2021

TRENCH SAFETY

Contractor/Vendor acknowledges that included in the appropriate solicitation items of the solicitation and in the Total solicitation price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990. The contractor/vendor further identifies the costs of such compliance to be summarized below:

	Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
A.	Irrigation	LF	12" deep 20'x4"	15.00	$300.00
B.	Irrigation	LF	24" deep 20'x4"	16.00	$320.00
C.	Irrigation	LF	36" deep 20'x4"	18.00	$360.00
D.	Irrigation	LF	48" deep 20'x4"	20.00	$400.00

TOTAL $ 1380.00

If applicable, the contractor/vendor certifies that all trench excavation done within his control in excess of five (5') feet in depth shall be in accordance with the Florida Department of Transportation's Special Provisions Article 125-1 and Sub-article 125-4.1 (TRENCH EXCAVATION SAFETY SYSTEM AND SHORING, SPECIAL-TRENCH EXCAVATION).

Failure to complete the above may result in the solicitation being declared non-responsive.

Teena Zielinski
(*Signature*)
P&T Lawn and Tractor Service, Inc
(*Company Name*)

STATE OF Florida
COUNTY OF Lee
The foregoing instrument was acknowledged before me this 2nd day of February 2021 by Teena Zielinski (*name and title of corporate officer*) of P&T Lawn (*name of corporation*), a Florida (*state or place of incorporation*) corporation, on behalf of the corporation. He/she is personally known to me or has produced personally known to me (*type of identification*) as identification.

ANTONIO ALEJANDRO
MY COMMISSION # GG089334
EXPIRES April 02, 2021

(*signature line for notary public*)
Antonio Alejandro
(*name of notary typed, printed or stamped*)
notary / Irrigation tech
(*title or rank*)
N/A
(*serial number, if any*)

My commission expires:

BID BOND

Complete EITHER Village of Estero Paper Bid Bond OR provide Irrevocable Letter of Credit

KNOW ALL MEN BY THESE PRESENTS, that we

P & T Lawn & Tractor Services, Inc. as Principal, and
(BIDDER'S Name)

HARCO National Insurance Company a Corporation licensed to do
(Surety's Name)

business under the laws of the State of Florida as a Surety, are held and firmly bound unto THE VILLAGE OF ESTERO, FLORIDA, ESTERO, FLORIDA, a Municipal Corporation of the State of Florida,
in the SUM OF Five Percent (5%) of Contractors Bid
for the payment whereof, well and truly to be made, we bind ourselves, our heirs, successors, personal representatives and assigns, jointly and severally, firmly, by these presents.

SIGNED AND SEALED this 1st day of March, 2021

WHEREAS, said Principal is herewith submitting a Bid/Proposal for the construction of:

NOW, THEREFORE, the condition of the above obligation is such that if said Principal shall be awarded the Contract upon said Bid/Proposal within the specified time and shall enter into a written Contract, satisfactory in form, provide an acceptable Public Payment & Performance Bond from a Surety acceptable to the VILLAGE and provide other Insurance as may be required to the VILLAGE within seven (7) calendar days after the written Notice of Award date, or within such extended period as the VILLAGE may grant, then this obligation shall be null and void; otherwise said Principal and Surety shall pay to said VILLAGE in money the difference between the amount of the Bid of said Principal and the amount for which said VILLAGE may legally contract with another party to perform said work, if the latter amount be in excess of the former, together with any expenses and reasonable attorney's fees incurred by said VILLAGE if suit be brought here on, but in no event shall said Surety's liability exceed the penal sum hereof plus such expenses and attorney's fees. For purposes of unsuccessful bid protests filed by the Principal herein, this obligation shall bind the Surety to pay costs and damages associated with the bid protest or delays to the project upon a finding from the Village of Estero Council that the bid protest was frivolous and/or lacked merit. The liability of the Surety shall not exceed the penal sum of the bid bond.

Witness as to Principal:

(By) Patty Lamb

P&T Lawn & Tractor Services, Inc. (SEAL)
(Principal)

Printed Name Teena Zielinski, President

Witness as to Surety:

Heather A Paruta

HARCO National Insurance Company (SEAL)
(Surety's Name)

(By-As Attorney-in-Fact, Surety)
Matthew T Smith

Affix Corporate Seals and attach proper Power of Attorney for Surety.

POWER OF ATTORNEY

Bond # _____

HARCO NATIONAL INSURANCE COMPANY
INTERNATIONAL FIDELITY INSURANCE COMPANY

Member companies of IAT Insurance Group, Headquartered: 702 Oberlin Road, Raleigh, North Carolina 27605

KNOW ALL MEN BY THESE PRESENTS: That **HARCO NATIONAL INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of Illinois, and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, a corporation organized and existing under the laws of the State of New Jersey, and having their principal offices located respectively in the cities of Rolling Meadows, Illinois and Newark, New Jersey, do hereby constitute and appoint

JESSICA MARTIN, LORI A. SANDERS, HEATHER A. PARUTA, MATTHEW T. SMITH

Fort Myers, FL

their true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise, and the execution of such instrument(s) in pursuance of these presents, shall be as binding upon the said **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**, as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by their regularly elected officers at their principal offices.

This Power of Attorney is executed, and may be revoked, pursuant to and by authority of the By-Laws of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** and is granted under and by authority of the following resolution adopted by the Board of Directors of **INTERNATIONAL FIDELITY INSURANCE COMPANY** at a meeting duly held on the 13th day of December, 2018 and by the Board of Directors of **HARCO NATIONAL INSURANCE COMPANY** at a meeting held on the 13th day of December, 2018.

"**RESOLVED**, that (1) the Chief Executive Officer, President, Executive Vice President, Senior Vice President, Vice President, or Secretary of the Corporation shall have the power to appoint, and to revoke the appointments of, Attorneys-in-Fact or agents with power and authority as defined or limited in their respective powers of attorney, and to execute on behalf of the Corporation and affix the Corporation's seal thereto, bonds, undertakings, recognizances, contracts of indemnity and other written obligations in the nature thereof or related thereto; and (2) any such Officers of the Corporation may appoint and revoke the appointments of joint-control custodians, agents for acceptance of process, and Attorneys-in-fact with authority to execute waivers and consents on behalf of the Corporation; and (3) the signature of any such Officer of the Corporation and the Corporation's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seals when so used whether heretofore or hereafter, being hereby adopted by the Corporation as the original signature of such officer and the original seal of the Corporation, to be valid and binding upon the Corporation with the same force and effect as though manually affixed."

IN WITNESS WHEREOF, **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** have each executed and attested these presents on this 31st day of December, 2019

INTERNATIONAL FIDELITY INSURANCE COMPANY CORPORATE SEAL 1904 NEW JERSEY

STATE OF NEW JERSEY
County of Essex

STATE OF ILLINOIS
County of Cook

HARCO NATIONAL INSURANCE COMPANY CORPORATE SEAL 1964 ILLINOIS

Kenneth Chapman
Executive Vice President, Harco National Insurance Company
and International Fidelity Insurance Company

On this 31st day of December, 2019, before me came the individual who executed the preceding instrument, to me personally known, and, being by me duly sworn, said he is the therein described and authorized officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY**; that the seals affixed to said instrument are the Corporate Seals of said Companies; that the said Corporate Seals and his signature were duly affixed by order of the Boards of Directors of said Companies.

SHIRELLE A. OUTLEY My Comm. Exp. 04-04-2023 NOTARY PUBLIC No. 50079910 NEW JERSEY

IN TESTIMONY WHEREOF, I have hereunto set my hand affixed my Official Seal, at the City of Newark, New Jersey the day and year first above written.

Shirelle A. Outley

Shirelle A. Outley a Notary Public of New Jersey
My Commission Expires April 4, 2023

CERTIFICATION

I, the undersigned officer of **HARCO NATIONAL INSURANCE COMPANY** and **INTERNATIONAL FIDELITY INSURANCE COMPANY** do hereby certify that I have compared the foregoing copy of the Power of Attorney and affidavit, and the copy of the Sections of the By-Laws of said Companies as set forth in said Power of Attorney, with the originals on file in the home office of said companies, and that the same are correct transcripts thereof, and of the whole of the said originals, and that the said Power of Attorney has not been revoked and is now in full force and effect.

IN TESTIMONY WHEREOF, I have hereunto set my hand on this day, March 1, 2021

A01384

Irene Martins, Assistant Secretary

Scrutinized Companies Certification

1. This sworn statement is submitted with a bid, proposal, contract, or contract renewal RFB 2021-02 ___, for US 41Landscape Improvements: Broadway E to Vintage Pkwy and Coconut Rd to Fountain Lakes Blvd. **Project or contract number]** **[Project name]**

2. This sworn statement is submitted by P & T Lawn and Tractor Service, Inc. whose **[Name of entity submitting sworn statement]**

   business address is 15980 Old Olga Road, Alva, FL 33920

3. Federal Employer Identification Number (FEIN) is 65-0249564 (or if the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement).

4. My name is Teena Zielinski and my relationship to the above is: **[Please print name of individual signing]**

   President.

5. Based on information and belief, the certification, which I have marked below, is true in relation to the entity submitting this sworn statement as required by §287.135, Florida Statutes.

[ ] Scrutinized Companies that Boycott Israel List (bid, proposal or contract renewal for any amount)

[✓] The entity submitting this sworn statement is not on the Scrutinized Companies that Boycott Israel List nor is it engaged in a boycott of Israel.

[ ] The entity submitting this sworn statement is on the Scrutinized Companies that Boycott Israel List or is actively engaged in a boycott of Israel..

[ ] Scrutinized Companies with Activities in Sudan List (bid, proposal or contract renewal for $1 Million or more)

[✓] The entity submitting this sworn statement is not on the Scrutinized Companies with Activities in Sudan List.

[ ] The entity submitting this sworn statement is on the Scrutinized Companies with Activities in Sudan List.

[ ] Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List (bid, proposal or contract renewal for $1 Million or more)

[✓] The entity submitting this sworn statement is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

[ ] The entity submitting this sworn statement is on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

[ ] Business Operations in Cuba or Syria (bid, proposal or contract renewal for $1 Million or more)

[✓] The entity submitting this sworn statement does not have business operations in Cuba or Syria.

[ ] The entity submitting this sworn statement does have business operations in Cuba or Syria.

Pursuant to §287.135, Florida Statutes, if the Village determines the entity executing this Certification has been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel after this certification is executed, any associated contract with the Village may be subsequently terminated by the Village. Similarly, if the Village determines the entity is found to have submitted a false certification, is

later placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or has been engaged in business operations with Cuba or Syria, the Village may terminate any associated contracts with the entity.

Notwithstanding any other contract language to the contrary, the entity executing this Certification expressly assents to the termination provisions included herein as binding upon any contracts between it and the Village.

By the signature(s) below, I, the undersigned, as authorized signatory to commit the certifying entity, attest that the information as provided in this form is truthful and correct at the time of submission.

Teena Zielinski
AFFIANT

Teena Zielinski
Typed Name of AFFIANT

President
Title

STATE OF Florida COUNTY OF Lee

The foregoing instrument was executed before me this 2nd day of February, 2021, by Teena Zielinski as President of P&T Lawn and Tractor, who personally swore or affirmed that he/she is authorized to execute this document and thereby bind the Corporation, and who is personally known to me OR has produced personally known to me as identification.

ANTONIO ALEJANDRO
MY COMMISSION # GG089334
EXPIRES April 02, 2021
(stamp)

NOTARY PUBLIC, State of Florida

VILLAGE OF ESTERO - BIDDERS CHECK LIST

IMPORTANT: Please read carefully and return with your response package. Please check off each of the following items as the necessary action is completed:

✓ 1. The Solicitation has been signed and with corporate seal (if applicable).

✓ 2. The Solicitation prices offered have been reviewed (if applicable).

✓ 3. The price extensions and totals have been checked (if applicable).

✓ 4. Substantial and final completion days inserted (if applicable).

NA ✓ 5. The original (must be manually signed) and 1 hard copy original and others as specified of the Solicitation has been submitted.

NA ✓ 6. Two (2) identical sets of descriptive literature, brochures and/or data (if required) have been submitted under separate cover.

✓ 7. All modifications have been acknowledged in the space provided.

✓ 8. All addendums issued, if any, have been acknowledged in the space provided.

✓ 9. Licenses (if applicable) have been inserted.

✓ 10. Erasures or other changes made to the Solicitation document have been initialed by the person signing the Solicitation.

✓ 12. The following Forms completed/signed/notarized as required: Vendor Disclosure Form, Affidavit Certification Immigration Laws, Insurance Certificate, Public Entity Crime Form, Trench Safety Form, Bid Bond and/or Certified Check, Scrutinized Companies Certification.

✓ 13. Any Delivery information required is included.

NA ✓ 14. The mailing envelope has been addressed to:
Village of Estero
9401 Corkscrew Palms Circle #101
Estero, FL 33928

NA ✓ 15. The mailing envelope **MUST** be sealed and marked with:
Solicitation Number
Opening Date and/or Receiving Date

✓ 16. The Solicitation will be mailed or delivered in time to be received no later than the specified opening date and time. (Otherwise Solicitation cannot be considered or accepted.)

NA ✓ 17. If submitting a "NO BID" please write Solicitation number here _____
and check one of the following:
_____ Do not offer this product _____ Insufficient time to respond.
_____ Unable to meet specifications (why)
_____ Unable to meet bond or insurance requirement.
Other: _____

Company Name and Address:

_____

_____

Certifications & Licenses

Certifications and Licensing

Our ample number of dedicated employees consists of certified arborists, landscape designers, certified irrigation personnel, and professional management trained in current Best Practices for our industry and Maintenance of Traffic. P & T is a State of Florida OSD and FDOT Certified DBE/MBE company, making us eligible to perform on any State or Federally funded project.

Certificate/ License Name	Licensee/Certificate Holder	Expiration Date
BMP	Antonio Alejandro	N/A
BMP	Mario H Canil Jr.	N/A
BMP	Yzael Colon Heavelin	N/A
BMP	Jose I. Cruz	N/A
BMP	Samuel De Leon	N/A
BMP	Bacilio Diego Pablo	N/A
BMP	Francisco Francisco	N/A
BMP	Mario Diego Nicolas	N/A
BMP	Kevin Diego Pablo	N/A
BMP	Angel M Garcia Martinez	N/A
BMP	Erijoel Garcia Martinez	N/A
BMP	Nicolas Juan Marcos	N/A
BMP	Juan Maldonado	N/A
BMP	Enrique Mate	N/A
BMP	Moises Rivera	N/A
BMP	Manuel J Robles Martinez	N/A
BMP	Rafael Rodriguez-Berrios	N/A
BMP	Guadalupe Rojop Ordonez	N/A
BMP	Victor Rosado	N/A
BMP	Jorge Torres Garcia	N/A
BMP	Robert Zielinski II	N/A
Certified Arborist	Pete Zielinski	06/30/2022
Certified Pest ID Card Holder	Jose Ivan Cruz	08/31/2021
Certified Pest Control Operator	Dan Lott	08/31/2021
Certified Pest Control Operator	Mark Stanley	08/31/2021
Certified Pest ID Card Holder	Rafael Rodriguez Berrios	08/31/2021
Certified Pest ID Card Holder	Peter J Zielinski	08/31/2021
Certified Pest ID Card Holder	Robert Anthony Zielinski II	08/31/2021
Certified Pest ID Card Holder	Teena M Zielinski	08/31/2021
Certificate of Completion: MOT	Antonio Alejandro	05/25/2023
Certificate of Completion: MOT	Mario Canil	04/27/2021
Certificate of Completion: MOT	Mario Canil Jr.	04/27/2021
Certificate of Completion: MOT	Angel Garcia Martinez	04/27/2021
Certificate of Completion: MOT	Erijoel Garcia Martinez	04/27/2021
Certificate of Completion: MOT	Juan Maldonado	04/27/2021
Certificate of Completion: MOT	Jonathan S. Miller	05/25/2023
Certificate of Completion: MOT	Moises Rivera	04/27/2021
Certificate of Completion: MOT	Robert Zielinski II	04/18/2023

Charlotte County Certificate of Competency: Landscaping	Pete Zielinski	09/30/2021
Charlotte County Certificate of Competency: Irrigation	Jessica Zielinski	09/30/2021
Charlotte County Certificate of Competency: Irrigation	Pete Zielinski	09/30/2021
Charlotte County Local Business Tax Receipt	P & T Lawn and Tractor Service, Inc., Pete & Teena Zielinski	09/30/2021
City of Cape Coral Certificate of Competency: Irrigation Sprinkler (Lawn)	Jessica Zielinski	09/30/2021
City of Punta Gorda Certification of Competency: Irrigation/Sprinkler Contractor	Jessica Zielinski	09/30/2021
Collier County Certificate of Competency: Irrigation Sprinkler Contractor	Peter Zielinski	9/30/2021
Collier County Certificate of Competency: Landscape Restricted Contractor	Mary Conway (Teena) Zielinski	9/30/2021
Commercial Applicator License	Pete Zielinski	09/30/2021
Commercial Applicator License	Robert Zielinski II	06/30/2021
Commercial Landscape Maintenance Holder	Teena Zielinski	04/30/2021
Florida Certificate of Nursery Registration	Pete & Teena Zielinski	09/19/2021
Florida Unified Certification Program	P & T Lawn and Tractor Service, Inc.	
Hendry County Business Tax Receipt	Teena Zielinski	09/30/2021
Lee County Certificate of Competency: Irrigation Sprinkler Contractor	Jessica Zielinski	09/30/2021
Lee County Certificate of Competency: Irrigation Sprinkler Contractor	Pete Zielinski	09/30/2021
Lee County Local Business Tax Receipt: Professional Landscape Company	P & T Lawn and Tractor Service, Inc., Pete Zielinski	09/30/2021
Lee County Local Business Tax Receipt: Irrigation/ Lawn Sprinkler Contractor	P & T Lawn and Tractor Service, Inc., Pete Zielinski	09/30/2021
Lee County Local Business Tax Receipt: Tractor Service	P & T Lawn and Tractor Service, Inc., Pete Zielinski	09/30/2021
LTD. Commercial Fertilizer Applicator License	Antonio Alejandro	03/24/2023
LTD. Commercial Fertilizer Applicator License	Francisco Francisco	03/17/2023
LTD. Commercial Fertilizer Applicator License	Mario Diego Nicolas	06/23/2023

LTD. Commercial Fertilizer Applicator License	Mario Canil	08/15/2022
LTD. Commercial Fertilizer Applicator License	Kevin Diego Pablo	08/15/2022
LTD. Commercial Fertilizer Applicator License	Angel M Garcia-Martinez	08/15/2022
LTD. Commercial Fertilizer Applicator License	Yzael Colon Heavelin	08/15/2022
LTD. Commercial Fertilizer Applicator License	Samuel DeLeon	08/15/2022
LTD. Commercial Fertilizer Applicator License	Bacilio Diego Pablo	08/15/2022
LTD. Commercial Fertilizer Applicator License	Nicolas Juan Marcos	08/15/2022
LTD. Commercial Fertilizer Applicator License	Juan Maldonado	08/15/2022
LTD. Commercial Fertilizer Applicator License	Moises Rivera	08/15/2022
LTD. Commercial Fertilizer Applicator License	Manuel J Robles-Martinez	08/14/2022
LTD. Commercial Fertilizer Applicator License	Rafael Rodriguez Berrios	08/14/2022
LTD. Commercial Fertilizer Applicator License	Enrique Mata	08/14/2022
LTD. Commercial Fertilizer Applicator License	Guadalupe Rojop Ordonez	08/14/2022
LTD. Commercial Fertilizer Applicator License	Victor Rosado	08/14/2022
LTD. Commercial Fertilizer Applicator License	Jorge Torres Garcia	08/14/2022
LTD. Commercial Fertilizer Applicator License	Robert Zielinski II	03/24/2023
Minority Business: Women Business Certification	P&T Lawn and Tractor Service, Inc.	05/14/2021
Tier 1 Illicit Discharge Detection & Elimination Training	Robert Zielinski II	N/A

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Francisco Francisco

GV3176-1 — Certificate #

GV3176 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Antonio B. Alejandro

GV22225-1 — Certificate #

GV22225 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Yzael Colon Heavelin

GV406760-1 — Certificate #

GV406760 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Mario H. Canil, Jr.

GV406758-1 — Certificate #

GV406758 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Bacilio Diego Pablo

GV406761-1 — Certificate #

GV406761 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Samuel De Leon

GV406763-1 — Certificate #

GV406763 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Angel M. Garcia Martinez

GV406766-1 — Certificate #

GV406766 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Kevin Diego Pablo

GV406762-1 — Certificate #

GV406762 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Juan Maldonado

GV406774-1 — Certificate #

GV406774 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Nicolás Juan Marcos

GV406771-1 — Certificate #

GV406771 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Moises Rivera

GV406783-1 — Certificate #

GV406783 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Enrique Mata

GV406776-1 — Certificate #

GV406776 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Manuel J. Robles Martinez

GV406784-1 — Certificate #

GV406784 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Rafael Rodriguez-Berrios

GV406785-1 — Certificate #

GV406785 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Victor Rosado

GV406787-1 — Certificate #

GV406787 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Guadalupe Rojop Ordonez

GV406786-1 — Certificate #

GV406786 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Jorge Torres Garcia

GV406788-1 — Certificate #

GV406788 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Mario Nicolas

GV3454-1 — Certificate #

GV3454 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Erijoel Garcia Martinez

GV400384-1 — Certificate #

GV400384 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Jose L Cruz

GV399900-1 — Certificate #

GV399900 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

State of Florida
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Francisco Francisco

GV3176-1 — Certificate #

GV3176 — Trainee ID #

GREEN INDUSTRIES BEST MANAGEMENT PRACTICES
TRAINING PROGRAM

UNIVERSITY OF FLORIDA
IFAS EXTENSION

Certificate of Training
Best Management Practices
Florida Green Industries

GV3454-1
Certificate #

GV3454
Trainee ID #

The undersigned hereby acknowledges that

Mario Nicolas

has successfully met all requirements necessary to be fully trained through the Green Industries Best Management Practices Program developed by the Florida Department of Environmental Protection with the University of Florida Institute of Food and Agricultural Sciences.

Dr. L.E. Trenholm	Mitchell	9/18/2008	
Issuer	Instructor	Date of Class	DEP Program Administrator

Not valid without seal

UNIVERSITY OF FLORIDA
IFAS EXTENSION

Certificate of Training
Best Management Practices
Florida Green Industries

GV4470-1
Certificate #

GV4470
Trainee ID #

The undersigned hereby acknowledges that

Robert Zielinski

has successfully met all requirements necessary to be fully trained through the Green Industries Best Management Practices Program developed by the Florida Department of Environmental Protection with the University of Florida Institute of Food and Agricultural Sciences.

Dr. L.E. Trenholm	Brown	3/17/2009	
Issuer	Instructor	Date of Class	DEP Program Administrator

Not valid without seal

UF IFAS
UNIVERSITY of FLORIDA

Certificate of Training
Best Management Practices
Florida Green Industries

GV8152-1

Certificate # GV8152

Trainee ID #

The undersigned hereby acknowledges that

William Melendez

has successfully met all requirements necessary to be fully trained through the Green Industries Best Management Practices Program developed by the Florida Department of Environmental Protection with the University of Florida Institute of Food and Agricultural Sciences.

Issuer	Instructor	Date of Class	Program Administrator
	T. Helin	1/13/2010	

Not valid without seal

INTERNATIONAL SOCIETY OF ARBORICULTURE

CERTIFIED ARBORIST™

Peter John Zielinski

Having successfully completed the requirements set by the International Society of Arboriculture, the above named is hereby recognized as an ISA Certified Arborist®

Luana Vargas
Director of Credentialing Services
International Society of Arboriculture

Caitlyn Pollihan
Executive Director
International Society of Arboriculture

FL-9147A	2 Mar 2016	30 Jun 2022
Certification Number	Certified Since	Expiration Date

ANSI ACCREDITED

#0847
ISO/IEC 17024
Personnel Certification Program
ISA Certified Arborist®

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
September 19, 2020	JF5429	June 1, 2021

THE **CERTIFIED PEST CONTROL OPERATOR** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE *PERIOD EXPIRING:* **June 1, 2021**

KENNETH DANIEL LOTT
5409 SKYLINE BLVD
CAPE CORAL, FL 33914

General Household Pest and Rodent Control
Lawn and Ornamental

nicole fried
NICOLE "NIKKI" FRIED, COMMISSIONER

Cut here

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

KENNETH DANIEL LOTT
CERTIFIED PEST CONTROL OPERATOR

JF5429

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING **June 1, 2021**

nicole fried Signature
COMMISSIONER

Wallet Card
Wallet Card - Fold Here

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	JB261093	August 31, 2021

THE **PEST CONTROL COMPANY FIRM** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **August 31, 2021**

AT

1971 PINE AVE
ALVA, FL 33920

P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

General Household Pest and Rodent Control
Lawn and Ornamental

nicole fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

P & T PEST MANAGEMENT
1971 PINE AVE
PEST CONTROL COMPANY FIRM

JB261093

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING **August 31, 2021**

Nicole Fried Signature
COMMISSIONER

Wallet Card - Fold Here

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	**JE262356**	**August 31, 2021**

THE **ID CARD HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
August 31, 2021

AT

P & T PEST MANAGEMENT
ALVA, FL 33920

Regular

ROBERT ANTHONY ZIELINSKI II
P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	**JE262357**	**August 31, 2021**

THE **ID CARD HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
August 31, 2021

AT

P & T PEST MANAGEMENT
ALVA, FL 33920

Regular

TEENA M ZIELINSKI
P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	JE262355	August 31, 2021

THE **ID CARD HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
August 31, 2021

AT

P & T PEST MANAGEMENT
ALVA, FL 33920

Regular

PETE J ZIELINSKI
P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	JE225638	August 31, 2021

THE **ID CARD HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
August 31, 2021

AT

P & T PEST MANAGEMENT
ALVA, FL 33920

Regular

JOSE IVAN CRUZ
P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
July 16, 2020	JE255943	August 31, 2021

THE **ID CARD HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING:
August 31, 2021

AT

P & T PEST MANAGEMENT
ALVA, FL 33920

Regular

MARK A STANLEY
P & T PEST MANAGEMENT
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

Certificate of Completion

Antonio B. Alejandro

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

05/25/2023	209	Michael Stone	51729
Date Expires	FDOT Provider #	Instructor	Certificate #

Southwest Florida Safety Council
1714 Evans Avenue
Fort Myers, FL 33901
www.swflsc.com
samantha@swflsc.com

For more information about Temporary Traffic Control (TTC) or to verify this certificate
www.motadmin.com

Certificate of Completion

[illegible]

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

[illegible]	[illegible]	[illegible]	[illegible]
Date Expires	FDOT Provider #	Instructor	Certificate #

UF University of Florida Transportation Institute

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville
T2ctt.ce.ufl.edu
dkpape@ufl.edu

FDOT

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

[redacted]

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

[redacted]	[redacted]	[redacted]	[redacted]
Date Expires	FDOT Provider #	Instructor	Certificate #

UF University of Florida Transportation Institute

UNIVERSITY of FLORIDA

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville
T2ctt.ce.ufl.edu
dpage@ufl.edu

FDOT

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

Angel M. Garcia

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

Date Expires	FDOT Provider #	Instructor	Certificate #
[illegible]	[illegible]	[illegible]	[illegible]

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville,
T2ctl.ce.ufl.edu
dkpage@ufl.edu

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

Date Expires	FDOT Provider #	Instructor	Certificate #

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville
T2ctl.ce.ufl.edu
dkpape@ufl.edu

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

Juan J. Maldonado

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

04/27/2021	36	Michael Chodakowsky	28507
Date Expires	FDOT Provider #	Instructor	Certificate #

UF University of Florida Transportation Institute
UNIVERSITY of FLORIDA

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville,
T2ctl.ce.ufl.edu
dkpage@ufl.edu

FDOT

For more information about Temporary Traffic Control (TTC) or to verify this certificate
www.motadmin.com

Certificate of Completion

Jonathan S. Miller

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

05/25/2023	209	Michael Stone	51730
Date Expires	FDOT Provider #	Instructor	Certificate #

Southwest Florida Safety Council
1714 Evans Avenue
Fort Myers, FL 33901
www.swflsc.com
samantha@swflsc.com

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

Moises E. Rivera

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate Course.

04/27/2021	36	Michael Chodakowsky	28503
Date Expires	FDOT Provider #	Instructor	Certificate #

T2 Center/University of Florida
2100 NE Waldo Road
Gainesville,
T2ctt.ce.ufl.edu
dkpage@ufl.edu

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

Certificate of Completion

Robert A. Zielinski

Has Completed a Florida Department of Transportation Approved Temporary Traffic Control (TTC) Intermediate (Refresher)

04/18/2023	36	Michael Chodakowsky	50439
Date Expires	FDOT Provider #	Instructor	Certificate #

UF University of Florida Transportation Institute
Florida Technology Transfer (T2) Center
UNIVERSITY of FLORIDA

T2 Centers University of Florida
2100 NE Waldo Road
Gainesville, FL 32609
techtransfer.ce.ufl.edu
j.masciocchi@ufl.edu

FDOT

For more information about Temporary Traffic Control (TTC) or to verify this certificate

www.motadmin.com

CHARLOTTE COUNTY LICENSING
CERTIFICATE OF COMPETENCY
NOT VALID AFTER 09/30/2021

Lic Type: L LANDSCAPE COM
DBA : P&T LAWN & TRACTOR SERVICE INC
Lic. Nbr: AAA-10-00010
PETER ZIELINSKI
15980 OLD OLGA ROAD
ALVA FLORIDA 33920

CHARLOTTE COUNTY LICENSING
CERTIFICATE OF COMPETENCY
NOT VALID AFTER 09/30/2021

Lic. Type: L LAWN IRRIG
DBA : P & T LAWN AND TRACTOR SERVICE INC
Lic. Nbr: AAA-18-00031
PETER ZIELINSKI
15980 OLD OLGA ROAD
ALVA FL 33920

CHARLOTTE COUNTY LICENSING
CERTIFICATE OF COMPETENCY
NOT VALID AFTER 09/30/2021

Lic Type: L LAWN IRRIG
DBA P & T LAWN AND TRACTOR SERVICE INC
Lic. Nbr: AAA-18-00030
JESSICA ZIELINSKI
15980 OLD OLGA ROAD
ALVA FL 33920

2020 / 2021 CHARLOTTE COUNTY
LOCAL BUSINESS TAX RECEIPT

MUST BE DISPLAYED IN A CONSPICUOUS PLACE

ACCOUNT 8700

EXPIRES SEPTEMBER 30, 2021

TYPE OF BUSINESS 236115 New Single-Family Housing Construction (Except For-Sale Builders) (LAWN IRRIGATI

RENEWAL

BUSINESS ADDRESS VARIOUS LOCATIONS
CHARLOTTE COUNTY, FL 00000

BUSINESS NAME P & T LAWN & TRACTOR SERVICE, INC

OWNER P & T TRACTOR SERVICE, INC TEENA & JOHN ZIELI

MAILING ADDRESS 15980 OLD OLGA RD
ALVA, FL 33920

AMOUNT	35.00
PENALTY	0.00
TOTAL	35.00

THIS FORM BECOMES A RECEIPT ONLY WHEN VALIDATED

Paid 07/03/2020 Receipt # INT-00037855 35.00

2020 / 2021 CHARLOTTE COUNTY
LOCAL BUSINESS TAX RECEIPT

MUST BE DISPLAYED IN A CONSPICUOUS PLACE

ACCOUNT 8700

EXPIRES SEPTEMBER 30, 2021

TYPE OF BUSINESS 236115 New Single-Family Housing Construction (Except For-Sale Builders) (LAWN IRRIGATI

RENEWAL

BUSINESS ADDRESS VARIOUS LOCATIONS
CHARLOTTE COUNTY, FL 00000

BUSINESS NAME P & T LAWN & TRACTOR SERVICE, INC

OWNER P & T TRACTOR SERVICE, INC TEENA & JOHN ZIELI

MAILING ADDRESS 15980 OLD OLGA RD
ALVA, FL 33920

AMOUNT	35.00
PENALTY	0.00
TOTAL	35.00

THIS FORM BECOMES A RECEIPT ONLY WHEN VALIDATED

Paid 07/03/2020 Receipt # INT-00037855 35.00

Dear Business Owner:

Your 2020 - 2021 Charlotte County Local Business Tax Receipt is attached above. Please detach the receipt and display it in a place that is visible to the public and available for inspection.

The Charlotte County Local Business Tax Receipt is in addition to any other license or certificate that may be required by law and does not signify compliance with zoning, health, or regulatory requirements. The Charlotte County Local Business Tax Receipt is non-regulatory and is not an endorsement of work quality.

Your 2020 - 2021 Local Business Tax Receipt is valid from October 01, 2020 through September 30, 2021 . Annual account notices are mailed in June to the address of record at that time. Any Changes to your Local Business Tax Account due to change of Business Name, Ownership, Physical Address or you are Closing your Business please contact our office at 941-743-1350 .

VICKIE L. POTTS

Charlotte County Tax Collector

City of Cape Coral
Certificate of Competency

65583
IRRIGATION SPRINKLER (LAWN)
Date Issued:05/14/2020

ZIELINSKI JESSICA
P & T LAWN & TRACTOR SERVICE INC
Expiration Date: 09/30/2022

Detach and post bottom portion

CITY OF CAPE CORAL CERTIFICATE OF COMPETENCY

City of Cape Coral -- 1015 Cultural Park Blvd -- Cape Coral Florida 33990 -- (239) 574-0430
This Certificate expires September 30, 2022 Visit Our Website at www.capecoral.net

Certificate #: 65583

Location: 1598 OLD OLGA RD
Business Phone: (239) 694-4848
State License:

Classification:
SPECIALTY
IRRIGATION SPRINKLER (LAWN)

ZIELINSKI JESSICA
P & T LAWN & TRACTOR SERVICE INC
1598 OLD OLGA RD
ALVA. FL 33920

Date Issued: 05/14/2020

Amount: 150.00

CITY OF PUNTA GORDA

BUILDING DEPARTMENT
326 WEST MARION AVENUE
PUNTA GORDA, FL 33950
(941) 575-3324
BuildingDept@CityofPuntaGordaFL.com

JESSICA ZIELINSKI
P & T LAWN AND TRACTOR SERVICE, INC.
15980 OLD OLGA RD

ALVA FL 339200

Certificate of Competency

CERT.# 20-00018610
TYPE: IRRIGATION/SPRINKLER CONTRACTOR
NOT VALID AFTER: September 30, 2020

http://www.CityofPuntaGordaFL.com/government/building
Expired or cancelled insurance automatically inactivates a license.

Collier County
Board of County Commissioners
Certificate of Competency

Collier County * City of Marco * City of Naples * City of Everglades

Issued Date: 09/30/2020

Company:	**P&T LAWN & TRACTOR SERVICE, INC.**
Address:	**15980 OLD OLGA ROAD**
	ALVA, FL 33920
Telephone:	**(239) 694-4848**
Qualifier:	**<NO CONTACT NAME AVAILABLE>**
License #:	**C29277**
Issuance #:	**201700000545**
Classification:	**IRRIGATION SPRINKLER CONTR.**
Valid Thru:	**09/30/2021**
State License #:	
State Valid Thru:	

It is the Qualifier's responsibility to keep current all records with Collier County.

This shall include insurance certificates and/or contact information.

Always verify licenses online at www.CVPortal.CollierGov.Net

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Collier County * City of Marco * City of Naples
* City of Everglades * Contractor Licensing

IRRIGATION SPRINKLER CONTR.

Cert Nbr:	Exp:	Issuance Nbr:
C29277	09/30/2021	201700000545
State Nbr:	State Exp:	

P&T LAWN & TRACTOR SERVICE, INC.

15980 OLD OLGA ROAD
ALVA, FL 33920
Signed: _____

Collier County
Board of County Commissioners
Certificate of Competency

Collier County * City of Marco * City of Naples * City of Everglades

Issued Date: 09/30/2020

Company:	**P&T LAWN & TRACTOR SERVICE, INC.**
Address:	**15980 OLD OLGA ROAD**
	ALVA, FL 33920
Telephone:	**(239) 694-4848**
Qualifier:	**MARY CONWAY (TEENA) ZIELINSKI**
License #:	**C29277**
Issuance #:	**29277**
Classification:	**LANDSCAPING RESTRICTED CONTR.**
Valid Thru:	**09/30/2021**
State License #:	
State Valid Thru:	

It is the Qualifier's responsibility to keep current all records with Collier County.

This shall include insurance certificates and/or contact information.

Always verify licenses online at www.CVPortal.CollierGov.Net

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Collier County * City of Marco * City of Naples
* City of Everglades * Contractor Licensing

LANDSCAPING RESTRICTED CONTR.

Cert Nbr:	Exp:	Issuance Nbr:
C29277	09/30/2021	29277

State Nbr: State Exp:

P&T LAWN & TRACTOR SERVICE, INC.
MARY CONWAY (TEENA) ZIELINSKI
15980 OLD OLGA ROAD
ALVA, FL 33920
Signed: _____

Florida Department of Agriculture and Consumer Services **Pesticide Certification Office**

This card is your license. It authorizes you, the license holder, to purchase and apply Restricted Use Pesticides (RUPs). Please sign your card and keep it with you when applying or purchasing RUPs.

Florida Department of Agriculture and Consumer Services
Pesticide Certification Office

Commercial Applicator License

License # CM20022

ZIELINSKI, PETE JOHN
15980 OLD OLGA RD
ALVA, FL 33920

Categories
3, 6

Issued: September 19, 2017 Expires: September 30, 2021

Signature of Licensee

ADAM H. PUTNAM, COMMISSIONER

The above individual is licensed under the provisions of Chapter 487, F.S. to purchase and apply restricted use pesticides.

Florida Department of Agriculture and Consumer Services **Pesticide Certification Office**

This card is your license. It authorizes you, the license holder, to purchase and apply Restricted Use Pesticides (RUPs). Please sign your card and keep it with you when applying or purchasing RUPs.

Florida Department of Agriculture and Consumer Services
Pesticide Certification Office

Commercial Applicator License

License # CM24994

ZIELINSKI II, ROBERT A
2280 BROWN RD
ALVA, FL 33920

Categories
6, 3

Issued: June 27, 2017 **Expires: June 30, 2021**

Signature of Licensee

ADAM H. PUTNAM, COMMISSIONER

The above individual is licensed under the provisions of Chapter 487, F.S. to purchase and apply restricted use pesticides.

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
April 8, 2020	**LC108359**	**April 30, 2021**

THE **COMMERCIAL LANDSCAPE MAINT. HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **April 30, 2021**

TEENA M ZIELINSKI
15980 OLD OLGA ROAD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

TEENA M ZIELINSKI
COMMERCIAL LANDSCAPE MAINT. HOLDER

LC108359

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING **April 30, 2021**

Nicole Fried **Signature**
COMMISSIONER

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

2020-21

HENDRY COUNTY BUSINESS TAX RECEIPT

Issued by: Patrick B. Langford, HENDRY COUNTY TAX COLLECTOR

RECEIPT EXPIRES 09/30/2021

RECEIPT NUMBER:
2006258474292

MACHINES	ROOMS	SEATS	EMPLOYEES
			48

BUSINESS TYPE: 471458 LAWN/TRACTOR SERVICE

P & T LAWN & TRACTOR SERVICE, INC
ZIELINSKI TEENA
15980 OLD OLGA RD
ALVA FL 33920

LOCATION ADDRESS: 2581 BROWN RD
ALVA, FL 33920

SUPPLEMENTAL	
X RENEWAL	75.00
NEW RECEIPT	
TRANSFER	
PENALTY	0.00
TOTAL	75.00

X _____

SIGN [redacted]

I SWEAR THAT THIS APPLICATION FOR RECEIPT IS MADE FOR THE BUSINESS OR PROFESSION INDICATED HEREON AND IS TRUE AND CORRECT.

THE APPLICATION MUST COMPLY WITH STATE AND LOCAL ORDINANCE INCLUDING ZONING.

0000007500 0000007500 0000000000006868 1001 9

B97548

Florida Department of Agriculture and Consumer Services

CERTIFICATE OF NURSERY REGISTRATION

Section 581.131, F.S. and Rule 5B-2.002, F.A.C
1911 S.W. 34th St. P.O. Box 147100, Gainesville, FL 32614-7100 (352) 395-4700

NICOLE "NIKKI" FRIED
COMMISSIONER

ISSUED TO:

P & T LAWN & TRACTOR SERVICE, INC.
ZIELINSKI, PET & TEENA
15980 OLD OLGA RD
ALVA, FL 33920-3447

THIS CERTIFICATE EXPIRES: 09/19/2021

FEE PAID: $35.00

REGISTRATION NO.: 48015917

DATE ISSUED: 08/14/2020

THIS IS TO CERTIFY that the nursery stock on the premises of the nursery shown hereon has been inspected for plant pests and meets at least the minimum requirements of Section 581.131, Florida Statutes.

THIS CERTIFICATE OF REGISTRATION MUST BE DISPLAYED or in the immediate possession of any person engaged in the sale or distribution of nursery stock.

Nicole Fried

NICOLE "NIKKI" FRIED
Commissioner of Agriculture

FDACS-08002 Revised 05/05

Florida Unified Certification Program

Disadvantaged Business Enterprise (DBE) Certificate of Eligibility

P & T LAWN AND TRACTOR SERVICE INC

MEETS THE REQUIREMENTS OF 49 CFR, PART 26

APPROVED NAICS CODES:

561730

Samuel Febres

Samuel (Sammy) Febres

DBE & Small Business Development Manager

Florida Department of Transportation

Lee County
Southwest Florida

LIC2016-00931

jkzielinski26@gmail.com

License Holder Name: JESSICA KATHLEEN ZIELINSKI

Firm Name: P AND T LAWN AND TRACTOR SERVICE IN

Address: 15980 OLD OLGA RD

ALVA, FL 33920

Thank you for assisting Lee County Contractor Licensing in their effort to "Go Green" Please keep this document/file in a safe place as you will not be receiving any additional copies of your license from this office. Be sure to keep your email address current with us at all times.

Below please find your Lee County Certificate of Competency. This Certificate will need to be renewed yearly if you wish to perform work in Unincorporated Lee County. Renewal will begin in the middle of August of each calendar year. If you choose to place your license on inactive status please notify this office as soon as possible. Please keep yourself up to date with our departments information by periodically reviewing our website at www.lee-county.com/dcd/contractorlicensing.htm

In addition to this Certificate, it is your responsiblity to maintain your worker's compensation, general liability insurance and obtain a yearly business tax receipt from the Lee County Tax Collector while performing work in Unincorporated Lee County. You may email your certificates of insurance to ContractorLicensing@Leegov.com. Our phone number is 239-533-8895.

Please send e-mail address and/or telephone changes to ContractorLicensing@Leegov.com

IMPORTANT CHANGE PLEASE READ:

In an effort to reduce costs and "go green" we will no longer be mailing renewal reminders. If you wish to receive a renewal reminder via email please provide us with your email address along with your case number **LIC2016-00931** to ContractorLicensing@Leegov.com. Re: "renewal by email".

Cut Here

Conditions of Certificate

Renewal due for active and inactive certificate each year in September.

COMP. NO. shall appear on all advertisements including vehicles reflecting a business name.

Shall only contract in D/B/A name as it appears on certificate. Board of Approval required on business name changes.

LEE COUNTY
CERTIFICATE OF COMPETENCY
(239) 533-8895

NAME: JESSICA KATHLEEN ZIELINSKI
D/B/A P AND T LAWN AND TRACTOR SERVICE IN

LICENSED FOR: Irrigation Sprinkler Cntr

COMP. NO.: LS16-00931

NOT VALID AFTER: 09/30/2021

Signature of License Holder

Conditions of Certificate

Shall maintain required insurances on active certificates.

Shall inform the Contractor Licensing Office of any Address or telephone # change.

fcntrlocren2.rpt

Lee County Tax Collector
State of Florida

Local Business Tax Receipt

Dear Business Owner:

Your 2020-2021 Lee County Local Business Tax Receipt is attached below for account number **1001452.**

If there is a change in one of the following, refer to the instructions on the back of this receipt.

- Business name
- Ownership
- Physical location
- Business closed

This is not a bill. Detach the bottom portion and display in a public location.

I hope you have a successful year.

Sincerely,

Lay D. Hart

Lee County Tax Collector

2020 - 2021
LEE COUNTY LOCAL BUSINESS TAX RECEIPT

Account Number: 1001452

Account Expires: September 30, 2021

Location:
15980 OLD OLGA RD
ALVA FL 33920

P AND T LAWN & TRACTOR SERVICE INC
ZIELINSKI PETE J
15980 OLD OLGA RD
ALVA FL 33920

May engage in the business of:
IRRIGATION / LAWN SPRINKLER CONTRACTOR
THIS LOCAL BUSINESS TAX RECEIPT IS NON REGULATORY

Payment Information:		
PAID	559694-65-2	07/29/2020 11:20 AM
		$50.00

Lee County
Southwest Florida

LIC2008-00752

petezielinski@comcast.net

License Holder Name: PETE J ZIELINSKI
Firm Name: P AND T LAWN AND TRACTOR SERVICE IN
Address: 15980 OLD OLGA ROAD

ALVA, FL 33920

Thank you for assisting Lee County Contractor Licensing in their effort to "Go Green" Please keep this document/file in a safe place as you will not be receiving any additional copies of your license from this office. Be sure to keep your email address current with us at all times.

Below please find your Lee County Certificate of Competency. This Certificate will need to be renewed yearly if you wish to perform work in Unincorporated Lee County. Renewal will begin in the middle of August of each calendar year If you choose to place your license on inactive status please notify this office as soon as possible. Please keep yourself up to date with our departments information by periodically reviewing our website at www.lee-county.com/dcd/contractorlicensing.htm

In addition to this Certificate, it is your responsiblity to maintain your worker's compensation, general liability insurance and obtain a yearly business tax receipt from the Lee County Tax Collector while performing work in Unincorporated Lee County. You may email your certificates of insurance to ContractorLicensing@Leegov.com. Our phone number is 239-533-8895.

Please send e-mail address and/or telephone changes to ContractorLicensing@Leegov.com

IMPORTANT CHANGE PLEASE READ:

In an effort to reduce costs and "go green" we will no longer be mailing renewal reminders. If you wish to receive a renewal reminder via email please provide us with your email address along with your case number **LIC2008-00752** to ContractorLicensing@Leegov.com. Re: "renewal by email".

Cut Here

Conditions of Certificate

Renewal due for active and inactive certificate each year in September.

COMP. NO. shall appear on all advertisements including vehicles reflecting a business name.

Shall only contract in D/B/A name as it appears on certificate. Board of Approval required on business name changes.

LEE COUNTY
CERTIFICATE OF COMPETENCY
(239) 533-8895

NAME: PETE J ZIELINSKI
D/B/A P AND T LAWN AND TRACTOR SERVICE IN

LICENSED FOR: Irrigation Sprinkler Cntr

COMP. NO.: LS08-00752

NOT VALID AFTER: 09/30/2021

Signature of License Holder

Conditions of Certificate

Shall maintain required insurances on active certificates.

Shall inform the Contractor Licensing Office of any Address or telephone # change.

fcntriocren2.rpt

Lee County Tax Collector State of Florida

Local Business Tax Receipt

Dear Business Owner:

Your 2020-2021 Lee County Local Business Tax Receipt is attached below for account number **0905016.**

If there is a change in one of the following, refer to the instructions on the back of this receipt.

- Business name
- Ownership
- Physical location
- Business closed

This is not a bill. Detach the bottom portion and display in a public location.

I hope you have a successful year.

Sincerely,

Lay D. Hart

Lee County Tax Collector

2020 - 2021
LEE COUNTY LOCAL BUSINESS TAX RECEIPT

Account Number: 0905016

Account Expires: September 30, 2021

Location:
15980 OLD OLGA RD
ALVA FL 33920

P & T LAWN & TRACTOR SERVICE INC
ZIELINSKI PETE
15980 OLD OLGA RD
ALVA FL 33920

May engage in the business of:

PROFESSIONAL LANDSCAPING COMPANY

The business and qualifier on this Business Tax Receipt is "REGISTERED" in compliance with ordinance 08-08.

THIS LOCAL BUSINESS TAX RECEIPT IS NON REGULATORY

Payment Information:

PAID 559694-65-3 07/29/2020 11:20 AM

$50.00

Lee County Tax Collector State of Florida

Local Business Tax Receipt

Dear Business Owner:

Your 2020-2021 Lee County Local Business Tax Receipt is attached below for account number **8903963.**

If there is a change in one of the following, refer to the instructions on the back of this receipt.

- Business name
- Ownership
- Physical location
- Business closed

This is not a bill. Detach the bottom portion and display in a public location.

I hope you have a successful year.

Sincerely,

Lay D. Hart

Lee County Tax Collector

2020 - 2021
LEE COUNTY LOCAL BUSINESS TAX RECEIPT

Account Number: 8903963

Account Expires: September 30, 2021

Location:
15980 OLD OLGA ROAD
ALVA FL 33920

P & T TRACTOR SERVICE
ZIELINSKI PETE J
15980 OLD OLGA RD
ALVA FL 33920

May engage in the business of:
TRACTOR SERVICE
THIS LOCAL BUSINESS TAX RECEIPT IS NON REGULATORY

Payment Information:		
PAID	559694-65-1	07/29/2020 11:20 AM
		$50.00

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
February 19, 2019	LF231112	March 24, 2023

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: March 24, 2023

ANTONIO BARRERA ALEJANDRO
15980 OLD OLGA RD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
June 24, 2015	LF234226	June 23, 2019

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: June 23, 2019

MARIO NICOLAS
15980 OLD OLGE RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
March 18, 2015	LF230880	March 17, 2019

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: March 17, 2019

FRANCISCO FRANCISCO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275358	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

MARIO HUMBERTO CANIL
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275348	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

KEVIN DIEGO PABLO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275347	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

ANGEL M GARCIA-MARTINEZ
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 17, 2018	LF275350	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

YZAEL COLON HEAVELIN
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275359	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

SAMUEL DELEON
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 17, 2018	LF275349	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

BACILIO DIEGO PABLO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275346	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **August 15, 2022**

NICOLAS JUAN MARCOS
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 16, 2018	LF275345	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **August 15, 2022**

JUAN MALDONDO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275271	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **August 14, 2022**

MOISES RIVERA
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

The Florida Department of Transportation
presents this

Certificate of Completion

to

Robert Zielinski/P & T Lawn & Tractor Service, Inc.

for successfully completing the

Tier 1 Illicit Discharge Detection and Elimination Training
CBT

November 9, 2014
Date

FDOT

TRESS Number
BT-19-0048

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275271	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

MOISES RIVERA
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

MOISES RIVERA
LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER

LF275271

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING August 14, 2022

COMMISSIONER

Wallet Card - Fold Here

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275270	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

MANUEL J ROBLES-MARTINEZ
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

MANUEL J ROBLES-MARTINEZ
LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER

LF275270

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING August 14, 2022

COMMISSIONER Signature

Wallet Card - Fold Here

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275268	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

RAFAEL RODRIGUEZBERRIOS
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

RAFAEL RODRIGUEZBERRIOS
LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER

LF275268

HAS PAID THE FEE REQUIRED BY CHAPTER 482 FOR THE PERIOD EXPIRING August 14, 2022

COMMISSIONER Signature

Wallet Card - Fold Here

BUREAU OF LICENSING & ENFORCEMENT
3125 CONNER BLVD, BLDG. 8
TALLAHASSEE, FLORIDA 32399-1650

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275270	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

MANUEL J ROBLES-MARTINEZ
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275268	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

RAFAEL RODRIGUEZBERRIOS
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
April 9, 2019	LF230880	March 17, 2023

THE **LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **March 17, 2023**

FRANCISCO FRANCISCO
15980 OLD OLGA RD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
April 15, 2019	LF234226	June 23, 2023

THE **LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER** NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: **June 23, 2023**

MARIO NICOLAS
15980 OLD OLGA RD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275349	August 15, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 15, 2022

BACILIO DIEGO PABLO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275260	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

ENRIQUE MATA
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275266	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

GUADALUPE ROJOP ORDONEZ
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275267	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

VICTOR ROSADO
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
August 15, 2018	LF275263	August 14, 2022

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: August 14, 2022

JORGE TORRES GARCIA
15980 OLD OLGA RD
ALVA, FL 33920

ADAM H. PUTNAM, COMMISSIONER

STATE OF FLORIDA
Department of Agriculture and Consumer Services
BUREAU OF LICENSING AND ENFORCEMENT

Date	File No.	Expires
February 11, 2019	LF231111	March 24, 2023

THE LTD COMMERCIAL FERTILIZER APPLICATOR HOLDER NAMED BELOW HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 482 FOR THE PERIOD EXPIRING: March 24, 2023

ROBERT ANTHONY ZIELINSKI II
2280 BROWN RD
ALVA, FL 33920

Nicole Fried
NICOLE "NIKKI" FRIED, COMMISSIONER

State of Florida

Woman Business Certification

P & T Lawn & Tractor Service

Is certified under the provisions of
287 and 295.187, Florida Statutes, for a period from:

05/14/2019 to 05/14/2021

Jonathan R. Satter, Secretary
Florida Department of Management Services

office of supplier diversity

THIS AGREEMENT, is made and entered into this ___ day of _____20__ by and between the Village of Estero, a municipal corporation of the State of Florida, whose address is 9401 Corkscrew Palms Circle #101, Estero, Florida 33928, hereinafter referred to as the "Village," and P & T Lawn and Tractor Service, Inc. whose address is 15980 Old Olga Road, Alva, FL 33920, hereinafter referred to as the "Bidder."

WITNESSETH

WHEREAS, the Village has determined that it is necessary to retain the Bidder for the purpose of providing US 41 Landscape Improvements; and

WHEREAS, these services have been competitively bid in accordance with Ordinance 2015-06; and

WHEREAS, the Bidder is qualified, willing and able to provide and perform all such services in accordance with the terms and conditions of Village of Estero Bid No. RFB 2021-02; and

WHEREAS, the Bidder's proposal was reviewed and selected pursuant to Bid RFB 2021-02 on April 7, 2021 by the Village Council; and

WHEREAS, the Village, has determined that it would be in the best interest of the Village to award a contract to Bidder for the rendering of those services described in the Scope of Services.

NOW, THEREFORE, the Village and the Bidder, in consideration of the mutual covenants contained herein, do agree as follows:

ARTICLE 1.
RECITALS & INCORPORATION OF DOCUMENTS

1.1. The above-stated recitals are incorporated by this reference and made part of this Agreement.

1.2 Village Bid Package RFB 2021-02 US 41 Landscape Improvements Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard, consisting of pages 1 through and including 67 with one addenda and the Proposal submitted by Bidder dated March 18, 2021 are hereby specifically made part of this Agreement as if same had been set forth at length herein.

1.3 In the event of any conflict between the documents constituting this Agreement, the documents shall be given precedence in the following order:

1) Bid Package RFB 2021-02 US 41 Landscape Improvements Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard and any Exhibits or Addenda thereto;

2) This Agreement and any Exhibits or Amendments thereto;

3) The Proposal submitted by Bidder.

ARTICLE 2.
BIDDER'S SCOPE OF SERVICES

2.1. Bidder agrees to perform all the services and provide all the materials requested and described in the Scope of Work which is attached hereto as Exhibit A and incorporated herein by this reference, which are hereinafter collectively referred to as the "Scope of Services."

2.2. Bidder agrees to provide its services and materials in the times allowed for performance contained in the Scope of Services. The Bidder will make no claims for additional compensation or damages owing to suspensions, delays, or hindrances which arise during the performance of this Agreement. Such suspensions, delays or hindrances may only be compensated for by an extension of time as the Village may decide. However, such extension will not operate as a waiver of any other rights of the Village.

2.3. In the event that Village desires Bidder to perform any additional services related to tasks not specifically contained in the Scope of Services, the Village Manager is authorized to approve such services based on the costs contained in Exhibit B provided the total amounts expended to do not exceed the limitation of paragraph 3.1.

ARTICLE 3.
COMPENSATION AND PAYMENT OF BIDDER'S SERVICES

3.1. Village will pay Bidder for those tasks listed in the Scope of Services actually performed by Bidder. The total payment to Bidder will not exceed $118,075 (plus any contingency amount which may be approved) for Bidder's services under this Agreement, performed in accordance with the Scope of Services and this Agreement.

3.2. Payment for services rendered by Bidder will be made on a monthly basis for those tasks listed completed in the preceding month. Services completed will be subject to review and approval by the Village Manager or his designee.

3.3 Payment for tasks will be on a Grand Total basis as per Exhibit B attached hereto.

3.4. Bidder must submit all billings for payment of services rendered on a monthly basis to the Village Finance Department (please email all billing invoices to: accountspayable@estero-fl.gov) for processing. Billings will be detailed as to the nature of the services performed and must refer to the specific tasks listed in the Scope of Services that were actually performed by Bidder. When hourly billing is utilized, Bidder must report the number of hours on each task in 6-minute increments (tenths of an hour) in its invoices. Billings must include a summary of any amounts previously billed and any credits for amounts previously paid.

3.5. Bidder acknowledges that each billing must be reviewed and approved by the Village Manager or his designee. Should the Village Manager or his designee, determine that the billing is not commensurate with services performed, work accomplished or hours expended, Bidder must adjust billing accordingly. However, Bidder will be entitled to payment of any portion of a billing not in dispute.

3.6. Village will pay Bidder's monthly billings in accordance with Sections 218.70 through 218.80, Florida Statutes, known as the Local Government Prompt Payment Act.

3.7. It is expressly understood by the Village and the Bidder that funding for any successive fiscal years may be contingent upon appropriate of monies by the Village Council or other entities. In the event that funds are not available or appropriated, the Village reserve the right to terminate the Agreement without penalty or liability. Termination will occur (1) upon notice to the Bidder or automatically (2) on the last day of the then current fiscal year or (3) when the appropriation made for the then-current year or specific appropriation for the services covered by this Agreement is spent, whichever event occurs first.

ARTICLE 4.
BIDDER'S RESPONSIBILITIES

4.1. Bidder will perform or furnish consulting and related services to a level of technical skill, ability, and diligence customarily provided by an experienced professional in their field of expertise when rendering the same services, and in accordance with sound principles and practices generally acknowledged by professionals in their field of expertise, as represented to the Bidder, both orally and in writing, to be possessed by Bidder, all in accordance with the standards contained elsewhere in this Agreement and in accordance with generally accepted standards of professional consulting practice and with the laws, statutes, ordinances, codes, rules and regulations governing Bidder's profession. The same standards of care will be required of any subconsultant or subcontractor engaged by Bidder.

4.2. Bidder will be solely responsible for providing their own business equipment, including any vehicles necessary for the performance of their work, and for paying all expenses incurred while performing the services set forth in this Agreement. Expenses to be borne by Bidder include, but are not limited to, license fees, memberships, and dues; automobile and other travel expenses; meals and entertainment; and any applicable insurance premiums. Bidder will be reimbursed for certain allowable expenses upon submission to the Village, used in connection with the services performed pursuant to this Agreement.

4.3. Bidder will, without additional compensation, correct and revise any errors, omissions, or other deficiencies in its work product, services, or materials arising from the negligent act, error or omission of Bidder or any subconsultant or subcontractor engaged by Bidder for one year after the completion of Bidder's services under this Agreement. The foregoing shall be construed as an independent duty to correct rather than a waiver of the Village's rights under any applicable statute of limitations. Village review of, approval of, acceptance of, or payment for any of Bidder's work product, services, or materials shall not be construed to operate as a waiver of any of the Village's rights under this Agreement, or cause of action Village may have arising out of the performance of this Agreement.

4.4. Bidder will, without additional compensation, correct and revise any minor deficiencies in its work product identified that can be addressed in process, even if the deficiencies would not be deemed to arise from a negligent act, error or omission of the Bidder. Minor deficiencies include but are not limited to changes in Americans with Disability Act requirements.

4.5. Bidder will be responsible for notifying the Village promptly whenever a delay is anticipated or experienced, including a delay in approval by any governmental agency having jurisdiction over any work task. The Village shall allow the Bidder to extend response times for valid, documented delays. The Village shall be the sole determiner of the validity of the delays.

ARTICLE 5.
OWNERSHIP AND USE OF DOCUMENTS

5.1. All documents, data, studies, surveys, analyses, sketches, tracings, specifications, plans, designs, design calculations, details, computations, drawings, maps, models, photographs, reports, and other documents and plans resulting from Bidder's services under this Agreement will become the property of and shall be delivered to the Village without restriction or limitation as to use regardless of the format of the document (paper or electronic). However, any use subsequent to or other than for the specific project for which such items were created, shall be at sole risk of the Village.

5.2. Bidder agrees that any software, computer systems and databases used for providing the documents necessary to this Agreement will be compatible with existing Village software and systems. It is anticipated that any software utilized will be run on windows based PC's and will consist of Microsoft Office 2013 (or newer) and Adobe Acrobat DC (or newer).

ARTICLE 6.
VILLAGE'S RESPONSIBILITIES

6.1. The Village will perform the responsibilities contained in this Article 6 in a timely manner so as not to delay the services of Bidder.

6.2. The Village will furnish to Bidder, upon request of Bidder and at Village's expense, all existing studies, reports and other available data pertinent to the services to be performed under this Agreement which are within the Village's possession. However, Bidder will be required to evaluate all materials furnished hereunder using reasonable professional judgment before relying on such materials.

6.3. The Village will provide reasonable access and entry to all public property required by Bidder to perform the services described in this Agreement. All such access and entry shall be provided at the Village's expense. The Village will also use reasonable efforts to obtain permission for reasonable access and entry to any private property required by Bidder to perform the services described in this Agreement.

6.4. The Village will review all documents, plans, or other materials provided by Bidder in a timely manner so as to not delay the process of the Bidder.

ARTICLE 7.
TERM / TERMINATION

7.1. The term of this Agreement will begin on the date and year first written above and shall be continued until superseded by a subsequent Village agreement, the monetary limit in 3.1 is reached, or unless otherwise terminated in accordance herewith.

7.2. The Village will have the right at any time upon thirty (30) calendar days written notice to the Bidder to terminate the services of the Bidder and, in that event, the Bidder must cease work and will deliver to the Village all documents, (including reports, designs, specifications, and all other data) prepared or obtained by the Bidder in connection with its services. The Village will, upon receipt of the aforesaid documents, pay to the Bidder, and the Bidder will accept as full payment for its services, fees for all tasks completed in accordance with Scopes of Services.

7.3. In the event that the Bidder has abandoned performance under this Agreement, then the Village may terminate this Agreement upon three (3) calendar day's written notice to the Bidder indicating its intention to terminate. The written notice will state the evidence indicating the Bidder's abandonment. Payment for services performed prior to the Bidder's abandonment will be as stated in Section 3 above.

ARTICLE 8.
NOTICES

8.1. Any notice required or permitted to be sent herein shall be sent certified mail, return receipt requested to the parties at the addresses listed above to the designated contacts below:

Bidder: P & T Lawn and Tractor Service, Inc. Village: Steve Sarkozy

8.2. Each party shall immediately notify the other of any changes in address or designated contact.

ARTICLE 9.
ASSIGNMENT

9.1. This Agreement, or any interest herein, will not be assigned, transferred or otherwise encumbered, under any circumstances by Bidder without the prior written consent of the Village. Further, no portion of this Agreement may be performed by subcontractors or subconsultants without written notice to and approval of such action by the Village. The Village and Bidder each binds themselves, their agents, successors, assigns and legal representatives to the other party hereto, their agents, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in this Agreement any obligations incorporated herein.

ARTICLE 10.
EXTENT OF AGREEMENT / SEVERABILITY / MODIFICATION

10.1. This Agreement represents the entire and integrated agreement between the Village and Bidder and supersedes all prior negotiations, representations or agreements, either written or oral.

10.2. In the event any provision of this Agreement be held invalid and unenforceable, the remaining provisions will remain valid and binding upon the parties. One or more waivers by either party of any breach of any provision, term, condition or covenant will not be construed by the other party as a waiver of any subsequent breach.

10.3. No modification, amendment or alteration in the terms or conditions contained herein will be effective unless contained in a written document executed by both parties.

10.4. This is a nonexclusive contract. The Village has the right to enter into contracts with other providers providing similar services.

ARTICLE 11.
GOVERNING LAW / VENUE

11.1. This Agreement shall be governed and construed in accordance with Florida law. In the event any litigation arises between the parties in connection with this Agreement, venue for such litigation shall lie exclusively in Lee County, Florida.

ARTICLE 12.
INDEPENDENT CONTRACTOR STATUS

12.1. Bidder is an independent contractor and is not an employee, servant, agent, partner or joint venturer of the Village.

12.2. Neither the Village nor any of its employees will have any control over the conduct of Bidder or any of Bidder's employees, except as herein set forth, and Bidder expressly warrants not to represent at any time or in any manner that Bidder or any of Bidder's agents, servants or employees are in any manner agents, servants or employees of the Village. It is understood and agreed that Bidder is, and will remain at all times remain, a wholly independent contractor and that Bidder's obligations to the Village are solely as prescribed by this Agreement.

ARTICLE 13.
AUDIT AND RECORDS REQUIREMENTS

13.1. Bidder will maintain books, records, documents, and other evidence directly pertaining to or connected with the services under this Agreement which will be available and accessible at Bidder's local offices for the purpose of inspection, audit, and copying during normal business hours by the Village, or any of its authorized representatives. Such records must be retained for a minimum of five (5) years after completion of the

services. Prior to destruction of any records, the Bidder will notify the Village and deliver to the Village any records the Village requests. Bidder will require all subconsultants and subcontractors to comply with the provisions of this paragraph by insertion of the requirements hereof in a written contract agreement between Bidder and the subconsultant or subcontractor.

13.2 If the records are unavailable locally, it will be the Bidder's responsibility to insure that all required records are provided at the Bidder's expense including payment of travel and maintenance costs incurred by the Village's authorized representatives or designees in accessing records maintained out of the county. The direct costs of copying records, excluding any overhead cost, will be at the Village's expense.

13.3. Bidder must fully cooperate with all public records requests by providing the necessary records to the Village promptly upon notice unless the records are exempt from Section 24 (a) of Article I of the State Constitution and Chapter 119, Florida Statutes. Failure by Consultant to promptly respond to notices requesting records constitutes grounds for unilateral cancellation by the Village at any time, with no recourse available to Bidder. Records may be provided in the form or format in which they are kept including electronic files. Bidder's right to claim an exemption from disclosure will not be deemed failure to comply with this article.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE ESTERO VILLAGE CLERK (CUSTODIAN OF PUBLIC RECORDS) AT 239-221-5035, records@estero-fl.gov, OR VILLAGE HALL, 9401 CORKSCREW PALMS CIRCLE, ESTERO, FL 33928.

ARTICLE 14.
INDEMNIFICATION

14.1. For ten dollars ($10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Bidder will pay on behalf of or indemnify and hold harmless the Village, its officials, officers, employees, agents and volunteers from and against any and all claims, actions, damages, fees, fines, penalties, defense costs, including attorneys' fees and court costs (whether such fees and costs are incurred in negotiations, collection of attorneys' fees or at the trial level or on appeal), suits or liabilities, of whatever kind of nature, caused by any negligent or intentional act, error, omission, or default of Bidder or Bidder's officers, employees, agents, servants, volunteers or subcontractors or consultants, if any, caused by the performance or failure to perform under the terms of this Agreement.

14.2 Bidder must carry a commercial liability insurance policy in coverage amounts as determined by the Village Manager and naming the Village of Estero as additional insured.

PURSUANT TO FS 558.0035, EMPLOYEES OF CONSULTANT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR DAMAGES RESULTING FROM NEGLIGENCE UNDER THIS AGREEMENT.

ARTICLE 15.
EMPLOYEE RESTRICTIONS

15.1. The Village of Estero will not intentionally award publicly-funded contracts to any contractor who knowingly employs unauthorized alien workers, constituting a violation of the employment provisions contained in 8 U.S.C. Section 1324a(e) [Section 274A(e) of the Immigration and Nationality Act ("INA")]. The Village shall consider employment by any contractor or subconsultant or subcontractor of unauthorized aliens a violation of Section 274A(e) of the INA. Such violation by the Bidder of the employment provisions contained in Section 274A(e) of the INA will be grounds for termination of this Agreement by the Village.

15.2. If an owner (except a stockholder in a publicly traded corporation) or an employee of the Bidder has been convicted of any offenses requiring registration as a sexual offender or sexual predator, regardless of the location of conviction, the Bidder will ensure that the offender's or predator's work on the project is consistent with the terms of their probation and registry requirements.

15.3. The Bidder will incorporate the terms of paragraphs 15.1 and 15.2 into all contracts with any subconsultants or subcontractors.

ARTICLE 16.
NO CONTINGENT FEES

16.1. Bidder certifies that it has not employed or retained any company or person, other than a bona fide employee working solely for Bidder to solicit or secure this Agreement and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for Bidder any fee, commission, percentage, gift or other consideration contingent upon or resulting from the award or making of this Agreement. For the breach or violation of this provision, Village has the right to terminate the Agreement without liability at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

ARTICLE 17.
TRUTH-IN-NEGOTIATION CERTIFICATE

17.1. If applicable, in accordance with Section 287.055(4), Florida Statutes, signature of this Agreement by Bidder shall act as the execution of a truth-in-negotiation certificate stating that wage rates and other factual unit costs supporting the compensation of this Agreement are accurate, complete, and current at the time of contracting. The original contract price and any additions thereto shall be adjusted to

exclude any significant sums by which Village determines the contract price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such contract adjustments shall be made within one (1) year following the end of this Agreement.

IN WITNESS WHEREOF, the parties hereto have caused the execution of these premises as of the date and year first above written.

P & T Lawn and Tractor Service, Inc.

WITNESSES:

Signed By:_____

Print Name:_____

Date:_____

Signed By:_____

Print Name:_____

Date:_____

Signed by: _____

Print Name: _____

Title: _____

Date: _____

VILLAGE OF ESTERO

By:_____
Steve Sarkozy, Village Manager

Date: _____

ATTEST:

By:_____
Carol Sacco, Village Clerk

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

By:_____
Burt Saunders, Village Attorney

Exhibit List:
Exhibit A – Scope of Services
Exhibit B – Pricing Proposal
Exhibit C – FDOT Supplemental Conditions

EXHIBIT A

US 41 LANDSCAPE IMPROVEMENTS

STATEMENT OF WORK

A. PROJECT OVERVIEW
To provide landscape improvements to US 41 from Broadway East to Vintage Parkway and Coconut Road to Fountain Lakes Boulevard.

B. SCOPE OF SERVICES
Services shall include, but are not limited to those as specified with RFB 2021-02

C. SCHEDULE
As scheduled and requested.

D. COMPENSATION
Grand Total (see Exhibit B).

EXHIBIT B

PRICING PROPOSAL

Per pricing submitted in response to RFB 2021-02 – Grand Total: 118,075.

Exhibit C

FLORIDA DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL CONDITIONS

FDOT CONTRACT PROVISIONS

FLORIDA DEPARTMENT OF TRANSPORTATION CSFA 55.039

The supplemental conditions contained in this section are intended to cooperate with, to supplement, and to modify the general conditions and other specifications. In cases of disagreement with any other section of this contract, the Supplemental Conditions shall govern.

Contractor means an entity that receives a contract.

The services performed by the awarded Contractor shall be in compliance with all applicable grantor regulations/requirements, and additional requirements specified in this document. It shall be the awarded Contractor's responsibility to acquire and utilize the necessary manuals and guidelines that apply to the work required to complete this project. In general,

1) The contractor (including all subcontractors) must insert these contract provisions in each lower tier contracts (e.g. subcontract or sub-agreement);
2) The contractor (or subcontractor) must incorporate the applicable requirements of these contract provisions by reference for work done under any purchase orders, rental agreements and other agreements for supplies or services;
3) The prime contractor is responsible for compliance with these contract provisions by any subcontractor, lower-tier subcontractor or service provider.

CONTRACT PROVISIONS

Records Retention and Access

The contractor and all subcontractors shall maintain and retain sufficient records demonstrating its compliance with the terms of the Agreement for a period of at least five (5) years after final payment is made and shall allow the Village, the Florida Department of Transportation (FDOT), or its designee's access to such records upon request.

The contractor agrees to comply with 20.055(5) F.S. and incorporate in all its subcontractors the obligations to comply with 20.055(5) F.S. to cooperate with the inspector general in any investigation, audit, inspection, review, or hearing pursuant to this section.

Restrictions, Prohibitions, Controls and Labor Provisions

a. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with any public entity;

and may not transact business with any public entity in excess of the threshold amount provide in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

b. In accordance with Section 287.134, Florida Statutes, an entity or affiliate who has been placed on the Discriminatory Vendor List, kept by the Department of Management Services, may not submit a bid on a contract to provide goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor or consultant under a contract with any public entity; and may not transact business with any public entity.
c. Any entity or affiliate who has had its Certificate of Qualification suspended, revoked, denied or have further been determined by the FDOT to be a non-responsible contractor may not submit a bid or perform work for the construction or repair of a public building or public work on a contract with the Recipient.
d. No funds received pursuant to this Agreement may be expended for lobbying the Florida Legislature, judicial branch or any state agency, in accordance with Section 216.347, Florida Statutes.
e. The Department shall consider the employment by any contractor of unauthorized aliens a violation of Section 274A(e) of the Immigration and Nationality Act. If the contractor knowingly employs unauthorized aliens, such violation will be cause for unilateral cancellation of this Agreement.
f. The contractor shall:
    *Utilize the U.S. Department of Homeland Security E-Verify system to verify the employment eligibility of all new employees hired by the Recipient during the term of the contract; and
    *Expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.
g. The contractors and subcontractors to comply with all federal, state, and local laws and regulations applicable to this Project.

Indemnification

"To the fullest extent permitted by law, the Recipient's contractor/consultant shall indemnify and hold harmless the Recipient and the State of Florida, Department of Transportation, including the Department's officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the contractor or consultant and persons employed or utilized by the contractor or consultant in the performance of this Agreement.

This indemnification shall survive the termination of this Agreement. Nothing contained in this paragraph is intended to nor shall it constitute a waiver of the State of Florida or the Recipient's sovereign immunity."

VILLAGE OF ESTERO, FLORIDA
VENDOR DISCLOSURE FORM

Project No.: RFB 2021-02

Project Name: US 41Landscape Improvements: Broadway E to Vintage Pkwy and Coconut Rd to Fountain Lakes Blvd

Please check as appropriate:

✓ I am the sole proprietor/owner. The company is not publicly held.

_____ The company is not publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

_____ The company is publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

I do hereby certify that to the best of my knowledge and belief certify that the information above and attached is true and correct.

Signed: Teena Zielinski
Vendor

Printed Name Teena Zielinski

Company Name: P & T Lawn and Tractor Service, Inc.

Date: 3/11/2021

NAMES & ADDRESSES OF OWNERS

NOTE: Please list individuals; the listing of a corporation(s) is NOT acceptable.

1. Teena Zielinski, President

15980 Old Olga Road, Alva, FL 33920

2. Peter Zielinski, Vice President

14310 Bigelow Road, Fort Myers, FL 33905

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Williams Road & Atlantic Gulf Drive Intersection Improvement Design Contract - KCA

Description:

To improve safety and traffic flow along Williams Road west of US 41, intersection improvements are required at Atlantic Gulf Blvd.

Village Council previously approved a concept design (attached) which includes closing the left turn out of Walgreens, extending the left turn lane at US 41 and installing a roundabout at the Estero Life Care Center entrance.

Agenda item 6b Resolution 2020-12 will increase the Fiscal Year 2020-2021 Budget for the proposed intersection improvements to $575,500.

The Village of Estero requested qualifications from three firms (Cardno, DRMP, and KCA) on the Village's Misc. Professional Service contract. Two firms (DRMP & KCA) provided their qualifications. Cardno did not provide due to their current workload. Village Staff reviewed both firm's qualifications and ranked KCA one and DRMP two.

Staff worked with KCA on the attached contract to provide design and permitting services for the proposed improvements.

Action Requested:

Approve award of Supplemental Task Authorization (STA) – 02 Contract EC 2020-61 to KCA under the Village's Misc. Service Contract CN 2020-01 in the amount of $469,099.

Also approve a contingency fund amount of $47,000 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the STA and any other related ancillary documents on behalf of the Village of Estero Council.

Financial Impact:

Fiscal impact is $516,099 which included the contract amount of $469,099 plus a 10% contingency of $47,000.

The Fiscal Year 2020-2021 CIP budget for The Williams Road & Atlantic Gulf Blvd. intersection improvement is $300,000. The proposed Resolution 2021-12 will increase the funds available fund to $575,500.

Attachments:

1. KCA Contract
2. Vendor Disclosure
3. Williams Road Concept

KCA | KISINGER CAMPO & ASSOCIATES

March 26, 2021

Village of Estero
ATTN: Mr. David Willems, P.E.
Public Works Director
9401 Corkscrew Palms Circle
Estero, FL 33928

Re: CN 2020-01 Miscellaneous Professional Services
STA 3 - Williams Road/Atlantic Gulf Blvd. Intersection Design and Permitting

Dear Mr. Willems:

Kisinger Campo & Associates Corp. (CONSULTANT) is pleased to assist Village of Estero (VILLAGE) on the above referenced project. The scope of services for this task will consist of design, engineering, permitting, public outreach, and bidding services for preparation of construction plans, permits and specifications for the roadway and intersection improvements along Williams Road at Atlantic Gulf Boulevard directly west of US 41, in the Village of Estero, Florida.
This task will be completed under Contract CN 2020-01 Miscellaneous Professional Services as STA-3 (Williams Road/Atlantic Gulf Blvd. Intersection Design and Permitting). The Scope of Services for this Supplemental Task Authorization is attached as Exhibit A – Statement of Work and costs are attached as Exhibit B – Price Proposal.

The following subconsultants will provide project support services for the identified Tasks:

- Tasks 3.1–3.4: Survey - E.F. Gaines Surveying Services, Inc.
- Task 3.1: Subsurface Utility Excavation (SUE) - Earth View, LLC
- Task 4: Geotechnical – Forge Engineering Inc.
- Task 13: Landscape Analysis and Plans - David M. Jones, Jr. and Associates, Inc.

If you are in agreement with the proposal for STA-3 (Williams Road/Atlantic Gulf Blvd. Intersection Design and Permitting), please so indicate by signature of the Village Manager. If you have any questions or concerns, please call the KCA Project Manager, Jesse Gill (239-278-5999). We greatly appreciate the opportunity and look forward to working with you on this project.

Sincerely,

Thomas J. Shaw, P.E.
Senior Vice President/Director of Production

APPROVED AS SUBMITTED
VILLAGE OF ESTERO

By: _____
Steve Sarkozy, Village Manager

Date:

Exhibit List:
Exhibit A – Statement of Work
Exhibit B – Price Proposal

EXHIBIT A

CN 2020-01 MISCELLANEOUS PROFESSIONAL SERVICES
STA-3 WILLIAMS ROAD/ATLANTIC GULF BLVD. INTERSECTION DESIGN AND PERMITTING

STATEMENT OF WORK

I. PROJECT DESCRIPTION AND LIMITS

The purpose of this document is to describe the scope of services for the project and the responsibilities of Kisinger Campo & Associates (CONSULTANT) and the Village of Estero (VILLAGE) in connection with the design and preparation of a complete set of construction contract documents.

This project will provide design, engineering, permitting, public outreach, and bidding services for preparation of construction plans, permits and specifications for the roadway and intersection improvements along Williams Road at Atlantic Gulf Boulevard directly west of US 41, in the Village of Estero, Florida. Improvements within the US 41 intersection are not included in this scope of services.

The general objective is for the CONSULTANT to prepare a set of contract documents including plans, specifications, supporting engineering analysis, calculations, and other technical documents in accordance with VILLAGE policies, procedures, and requirements, as well as the State and Federal requirements. Furthermore, this project will require close collaboration and involvement with adjacent property owners along Williams Road, neighborhood associations, and other Village residents and stakeholders; all to build consensus. These Contract documents will be used by a contractor to build the project. These Contract documents will also be used by the VILLAGE and its Construction Engineering Inspection (CEI) representatives for inspection and final acceptance of the project. The CONSULTANT shall follow a systems engineering process to ensure that all required project components are included in the development of the Contract documents and the project can be built as designed and to specifications.

The CONSULTANT shall demonstrate good project management practices while working on this project. These include communication with the VILLAGE and others as necessary, management of time and resources, and documentation. The CONSULTANT shall provide qualified technical and professional personnel to perform to VILLAGE standards and procedures, the duties and responsibilities assigned under the terms of this agreement.

II. APPLICABLE STANDARDS

CONSULTANT shall perform necessary design services in accordance with guidelines established in the FHWA Manual of Uniform Traffic Control Devices (MUTCD), the FDOT Manual of Uniform Minimum Standards (MUMS aka "Florida Greenbook") and the American Association of State Highway and Transportation Officials (AASHTO) a Policy on Geometric Design of Highways and Streets (aka "AASHTO Greenbook"). Any deviations from the Florida and/or AASHTO Greenbooks shall require concurrence and approval from the VILLAGE as the owning, operating, and maintaining entity.

III. SCOPE OF SERVICES

The following Tasks are included as part of this project design:

TASK 1. PROJECT ADMINISTRATION

Project Management: CONSULTANT shall provide management services necessary to effectively administer the project including: coordination of disciplines and sub-consultants, contract, and invoice maintenance, and maintaining regular communication with the VILLAGE.

Project Scheduling: CONSULTANT will develop and deliver a schedule for the project which will include key milestones and note the dates of deliverables. The schedule will be updated monthly for the duration of the project.

Kickoff Meeting: A project kickoff meeting shall be held with the VILLAGE and the CONSULTANT and sub-consultants to introduce the design team, to review project objectives and standards for completing the work, and to present the project schedule.

Progress Meetings: Attendance of project coordination meetings, including preparation of meeting agendas, coordination with attendees, and preparation of meeting summaries. It is anticipated that the design phase duration will be approximately 16 months. 8 meetings are anticipated for this task.

Technical Stakeholder Meetings: Stakeholders shall include applicable VILLAGE Departments (Public Works, Community Development) and Florida Department of Transportation (FDOT). Any other interested party such as the Walgreens Co. property owners and others may participate in the public meetings to provide input on the project. Three (3) meetings are anticipated for this task.

Deliverables:

- *Project Schedule (with monthly updates)*
- *Progress Reports (monthly)*
- *Meeting Minutes*

TASK 2. PUBLIC INVOLVEMENT

The CONSULTANT, in partnership with VILLAGE staff, will assist in informing and soliciting input from members of the community, including, but not limited to, adjacent property owners, merchants, employees, customers, and residents. Public input will be sought at key points in the design process, particularly when conceptual plans are presented. With VILLAGE input, the CONSULTANT will lead the following public engagement activities:

Develop and maintain a mailing list of property owner/tenants in the project area. An email database with property owners/tenants, , agencies and interested parties will also be developed and maintained. This effort includes the development, preparation, and mailing of a Kick-Off newsletter/flyer.

Prepare press releases and provide public information officer support. Project updates will be prepared and included in social media announcements. This includes preparing materials, maps, flyers, and photo rendering/simulation.

Design Public Meetings: One (1) Public Meeting is proposed for this project. This meeting will occur early in the design analysis phase between concept development and 60% plans and will be for the purpose of presenting a refined design concept based on the recommended Improvement Concept identified by the Concept Development Summary Memorandum for the

Williams Road/Atlantic Gulf Boulevard Intersection Improvements dated April 2020. In consideration of the likely need for ongoing social distancing, the CONSULTANT shall conduct all meetings and public engagement activities remotely while maintaining accessible and equitable access opportunities for all community members that prefer to engage in-person. Careful consideration of methods of promoting online events; the need for accessible materials online; specific channels of receiving input (social media, text message, phone calls, online Q&A, etc.); and what actual and additional resources are required to successfully deliver such an engagement strategy will follow the latest emerging best practices in pursuing creative solutions to the challenge of maintaining equitable access to public process. CONSULTANT shall secure public meeting sites, but the VILLAGE will be responsible for any fees associated with securing the meeting site. Preparation for the public meeting consists of a newsletter/flyer, preparation of the press release, and preparation of the advertisement. Also, in preparation of each public meeting, the CONSULTANT shall develop meeting materials (sign-in sheets, name tags, handouts, display boards, etc.). This shall include preparation of renderings of the proposed design and/or alternatives to provide a conceptual visual representation of the proposed design. Set up and clean-up of the meeting site is included in the attendance and participation at the public meeting. A technical memorandum for the public meeting will also be prepared.

VILLAGE Council Presentations: Three (3) presentations to VILLAGE Council are proposed for this project. The first will be prior to the first Public Meeting, the second will be after the public meeting/before 60% submittal and the final will occur after 90% plan submittal.

Small Group Meetings: CONSULTANT shall schedule, prepare for, and attend in small group meetings with various public stakeholders (i.e., Life Care Center of Estero, and West Bay Golf, Fountain Lakes Community Association and Country Club) throughout the project. Three (3) small group meetings are anticipated.

Public Inquiries: CONSULTANT shall be responsible to responding to public inquires for the design phase of the project. This includes responding to various concerns/questions form the public and record requests. CONSULTANT will coordinate a response with the VILLAGE for more complicated inquiries, but most of this task is anticipated to be completed independently on behalf of the VILLAGE.

Deliverables:

- *Mailing List & E-mail database*
- *Public Involvement materials, i.e., maps, flyers, renderings, flythroughs, etc...*
- *Meeting Minutes & Documentation*

TASK 3.1 SURVEY

The CONSULTANT will provide ground survey services for the topography within the project limits as follows:

The limits of the project survey are defined as Williams Road, beginning approximately 20' west of the west property line of the Life Care Center property at 3850 Williams Road, and ending at the intersection of US 41. Survey will extend approximately 50' north and south of the existing right-of-way along Williams Road. Additional survey will be collected within the Life Care Center property at 3850 Williams Road between the R/W and parking lot edge-of-pavement including the driveway entrance and water management areas including, but not limited to the existing control structure (grate, invert, dimensions, pipe size, etc.), detention bottom elevations and berm elevations at 50' intervals. The VILLAGE shall provide any existing survey, R/W Maps, and development as-built survey available within the project area.

SURVEY SUPPORT - FIELD

- Set project control points.
    - Establish horizontal control using RTK GPS procedures. All horizontal data will be in the North American Datum of 1983 (2011 adjustment). Project control points not to exceed 500-foot intervals.
    - Level run through project control points based on published National Geodetic Survey benchmark control. All values will be in the North American Vertical Datum of 1988.
- Locate and verify right-of-way and/or centerline monumentation for use in preparing controlling lines for base mapping. This may include the location of right-of-way monuments, existing points in the centerline of the roadway, or public land survey corners.
- Cross-section data shall be collected at 50' intervals along the alignment and at major grade breaks. Cross-sections shall extend 50' outside the right-of-way on both sides and 100' outside the right-of-way into the Life Care Center property at 3850 Williams Road. In general, cross-sections and topographic data will extend 50 feet outside the right-of-way of Williams Road and an additional 50' (100' total) outside the right-of-way of Williams Road at intersecting streets and driveways.
- Existing visible above ground improvements, including utilities, shall be located with horizontal and vertical data. Visible evidence of underground utilities shall be located only to the extent that they exist within the project limits, but not a determination of their location underground. Data collection to extend approximately 50' beyond the existing right-of-way.
- Located improvements shall include pavement, driveways, intersecting streets, road signs, fences, drainage crossings, etc. Data collection to extend approximately 50' beyond the existing right-of-way.
- Horizontal and vertical data of visible drainage facilities and structures shall be collected within the right-of-way including type, size, invert, length, top, weir, crest, sump elevations, end treatments and extents of rip-rap. Data collection to extend approximately 50' beyond the existing right-of-way.
- Locate existing trees, with size greater than or equal to four inches diameter, include size (Diameter at Breast Height) and best identification of species. Tree locates to extend approximately fifty feet (50') beyond the right-of-way line (100' beyond the right-of-way at the Life Care Center property at 3850 Williams Road). Located trees shall be verified by Consultant's (Landscape Architect's) field review.
- Subsurface Utility Exploration (SUE).
    - The CONSULTANT will perform subsurface utility engineering services, horizontally marking (designating) the utilities in proximity to the intersection of Williams Road and the entrance to Life Care Centers of Estero. SUE will be performed between the north and south edge-of-pavement of Williams Road extending to the R/W, including existing 12' utility easement along the north R/W line. A total of 8 soft digs will also be performed to verify utilities at potential conflict locations adjacent to the proposed roundabout intersection improvements.
- Field Review
    - A field review will be conducted comparing final survey base map data to existing project conditions.
    - Map mark-ups will be created noting any changes or differences. Any missed items will be field collected at the time of field review.
- Obtain Geotechnical Boring Locations
    - Perform 3-dimensional (X, Y, Z) field dimension, or stakeout, of boring sites established by geotechnical engineer. Includes field edits, analysis, and processing of all collected data and/or reports.

- Obtain SUE Locations
    - Perform 3-dimensional (X, Y, Z) field dimension, or stakeout, of soft dig locations established by SUE locator. Includes field edits, analysis, and processing of all collected data and/or reports.

SURVEY SUPPORT - OFFICE

- Assemble record plats, deeds, maps, and other documents.
    - Identify corners for establishing approximate street rights-of-way.
- Research available horizontal & vertical control.
    - Make copies of nearest control for use on this design survey.
- Review assembled land records with field and office staff.
- Process control field notes.
    - Run closures on level runs. Balance and finalize project benchmark elevation.
    - Review GPS check on published control marks.
- Process property and right-of-way ties.
    - From field located corners, compute and establish approximate road rights-of-way and easements. Property lines will not be surveyed but shall be shown for informational purposes.
    - Calculate project base line and stationing.
- Process field collected data.
- Map features from field collected data.
    - Above ground features will be mapped up to the approximate right-of-way line.
    - Add symbols for all located utilities.
- Develop unified base map.
    - Map right-of-way and known easements.
    - Label parcel identification information.
- Generate DTM from field data.
    - Create DTM from elevation data and format for design engineer. Topographic points will be provided along corridor at maximum of 50-foot intervals.
    - Perform office Quality Assurance and Quality Control checks of mapping.
- Legal Sketches and Descriptions
    - Provide up to six (6) legal sketches and descriptions for use in fee simple property acquisition and/or temporary or permanent easement acquisition.
- Only easements found on recorded subdivision plats will be shown on the survey. Additional easements must be provided by the VILLAGE. Title searches and/or abstracts are not included in this scope of services. Title Work and/or certifications (if required) will be provided by the VILLAGE.

Deliverables:

- *Survey base map with located and measured features. This survey base map shall be provided in ".DWG" (ACAD format) and ".DGN" format, including a digital file of the surface in either ".XML" or ".TIN" format.*
- *Final Surveyor's Report to accompany digital files.*
- *Digitally signed and sealed PDF OF Topographic Survey*
- *Digitally signed and sealed PDF's of Legal Sketches and Descriptions*

SUPPLIMENTAL SURVEY (IF REQUESTED OR REQUIRED)

At the VILLAGE's option, the following services can be provided by the CONSULTANT upon written request from the VILLAGE.

TASK 3.2 SURVEY US 41 & WILLIAMS ROAD INTERSECTION

- Locate improvements within the intersection of US 41 and Williams Road right-of-way.
- Survey is limited to edge-of-pavement, curb, and existing pavement markings
- Collected data will be added to the survey base map
- Excludes manholes and other underground features within travel lanes

TASK 3.3 RIGHT-OF-WAY SURVEY

- Prepare a Right-of-Way Survey for Williams Road within the project limits

TASK 3.4 BOUNDARY SURVEYS (UP TO 6)

- Provide Boundary Surveys for up to six parcels of land as may be needed for R/W acquisition purposes. This task will includes finding or setting corners, locating improvements, and preparing digitally signed PDF copy of individual Boundary Surveys.

TASK 4. GEOTECHNICAL SERVICES

- Consultant will perform ten (10), five-foot deep hand auger borings along Williams Road spaced at 100' intervals, alternating from north to south sides of the road. Visual soils classification and sieve analysis from samples obtained from these borings will be provided. Consider some organic tests since there are some wetlands on the south side of the road.
- Obtain sufficient samples to provide a Limerock Bearing Ratio to be used for pavement design.
- Four (4) pavement cores will be obtained on Williams Road at no more than 500' Intervals alternating travel lanes and shoulder in efforts to determine the existing asphalt, base, and stabilization characteristics of the existing roadway.
- Seasonal High-Water Table: Review the encountered ground water levels and estimate seasonal high ground water levels based on available published documentation such as Lee County Wet Season High Water Table Map, soil staining, adjacent permitted development's seasonal high, etc. Estimate seasonal high ground water levels.
- Perform two (2) small test pit excavations with hand tools to identify modeling/stripping properties to aid in identifying the seasonal high-water table.
- Visually stratifying the borings by a geotechnical engineer.
- Completing laboratory moisture content, organic content, grain size, and percent fines testing on selected soil samples.
- Complete muck probing, if required.
- Coordinate and develop Temporary Traffic Control Plan (TTCP) for field work. All work zone traffic control will be performed in accordance with the FDOT's Standard Plans Index 102 series.
- Drilling Access Permits: Obtain drilling and right-of-way permits for performing geotechnical borings, if necessary.
- Property Clearances: Notify property tenants, in person or through written notification, of drilling and field activities, if applicable.

- Soil testing methods and procedures will be conducted in accordance with applicable ASTM and/or AASHTO soils standards. A written report will be prepared upon completion of the field and laboratory services. Provide geotechnical recommendations regarding the proposed roadway construction project including the following: description of the site/alignment, design recommendations and discussion of any special considerations. The report will present the following Information at a minimum:

    - A description of the site/alignment, design recommendations and discussion of any special considerations.
    - Evaluation of the site and the subsurface conditions as they relate to the site.
    - Construction criteria that may be used in the site preparation of the site prior to construction.
    - Suitability for use as construction material of the soils encountered in the borings.
    - Results from the pavement coring operations.

Deliverable: Geotechnical Report

TASK 5. UTILITY COORDINATION

The CONSULTANT shall coordinate design activities with the public and private utilities located within the project corridor. The utilities shall be notified via conceptual, 60% and 90% plan review stages. CONSULTANT scope shall be limited to coordination efforts/services only to determine conflicts (if any). This task shall include services of the CONSULTANT to include:

- Develop contact list of utilities affected within the project limits
- One (1) individual field meeting with affected utilities (if necessary)
- Collection and review as-built plans, data, and request for future expansions from affected utilities
- One (1) joint utility coordination meeting
- Coordination of adjustments, relocation, or removal of existing utility facilities in conflict with the proposed public works project
- Review and report regarding utility markups, work schedules and agreements
- Utility coordination at plan review stages and follow-up

Design of any required utility adjustments, drafting services or utility relocation plan production is not included in this scope of services. Should utility design be warranted, it would be considered a supplemental design task.

Deliverables:

- *Available as-built utility information from each utility provider located within the project boundaries*
- *Information and direction on potential utility expansion, adjustments that may be necessary, planning for expansion/adjustments, etc.*
- *Meeting Minutes & Documentation of Coordination*

TASK 6. TRAFFIC DATA AND ANALYSIS

CONSULTANT will evaluate the existing and future design year 2045 traffic operations as they relate to the proposed roadway intersection and access management improvements along Williams Road between the entrance to Life Care Center of Estero and US 41. Existing traffic counts will be provided by the VILLAGE and the evaluation will be developed based on the

previous *Concept Development Summary Memorandum for the Williams Road/Atlantic Gulf Boulevard Intersection Improvements dated April 2020*. Specifically, the evaluation will consider the following:

- Future design year 2045 traffic volume projections to account for the highest use, full build-out of the corridor including the following:
    - The West Bay Residential Community
    - The undeveloped single-family lots south of Williams Road between Tropicana Avenue and Kings Road
    - The consideration of Future Land Use (FLU) change to the O'Donnell Landscape (2040 FLU – Village Neighborhood 1) property
- Analysis of the existing year and design year 2045 peak hour operations.
- Evaluating operations on US 41 are not included in this scope of services
- Evaluate traffic operations and lane requirements for the roundabout in the design year 2045.
- Evaluate the need to extend turn lanes on eastbound Williams Road at the US 41 intersection. Evaluate the intersection of Williams Road at US 41 for additional turn lane needs in the design year 2045. Modifying or adding turn lanes on US 41 or modifying the signalization shall require approval from Village of Estro and FDOT prior to proceeding with design.
- Access management analysis and recommendations along Williams Road to/from Atlantic Gulf Boulevard and Paradise Shoppes of Estero (Walgreens)

The CONSULTANT shall develop a Micro-Simulation model using Synchro software for the existing signals and Sidra Software for the proposed roundabout. The model will include network coding, data file input creation (including one to two hours of volume data sets for a minimum one-hour period at 15-minute intervals for each peak period) and shall contain coding diagrams, tables, and other related data to ensure the existing year model is providing accurate results. Results of the analysis, including those items identified above shall be in the same format as the Micro-Simulation Manual.

Deliverable:

- *Technical Traffic Memorandum (TTM)*

TASK 7. ROADWAY & DRAINAGE DESIGN ANALYSIS

CONSULTANT shall perform general roadway and intersection analysis and design services in support of the plan production. Such services may include evaluation of drainage impacts, roadside safety issues, and conflicts with existing features and facilities. This task includes a continuation of development and evaluation of preliminary geometric design alternatives previously identified in the *Concept Development Summary Memorandum for the Williams Road/Atlantic Gulf Boulevard Intersection Improvements dated April 2020* to ensure operational and safety problems are addressed along with multimodal transportation recommendations in accordance with the VILLAGE's Bicycle and Pedestrian Master Plan are evaluated and incorporated into the final design.

CONSULTANT will provide a brief preliminary concept exhibit summary based upon the following:

- Exhibits for up to three (3) Alternative Concepts based on the previously recommended Option 4A (*Concept Development Summary Memorandum for the Williams Road/Atlantic*

Gulf Boulevard Intersection Improvements dated April 2020) addressing roundabout geometrics, access management, right-of-way encroachments and pedestrian/bicycle accommodations.

- Memorandum summarizing the above noted components for the project with recommendations to proceed with the 60% design phase of the project. Memorandum shall be used by the VILLAGE to provide Consultant direction to proceed with design services.

The CONSULTANT will coordinate with the VILLAGE during concept development to establish the appropriate design vehicle. Once the design vehicle is established, the CONSULTANT shall perform operational analysis of the roundabout (assumed 95' inscribed diameter based on Concept Development Summary Memo) to determine lane configurations, incorporate safety provisions and accommodate the design vehicle. Entry and exit roundabout geometry will be developed using the fastest path and swept path of the design vehicle and further evaluated using Transoft's AutoTURN software.

CONSULTANT shall perform a pavement analysis including evaluation of the existing pavement condition and determination, as appropriate, of proposed pavement section in accordance with the FDOT Flexible Pavement Design Manual. CONSULTANT shall also evaluate deficient areas within the existing roadway to determine if and where remedial actions are necessary and provide recommendations to the VILLAGE.

Maintenance of Traffic Plan - The Consultant shall develop plans for the maintenance of traffic during the construction on the intersection and assure access to properties adjoining the construction areas and pedestrian facilities. A Level Two complexity in accordance with FDOT guidelines is assumed. This effort will be coordinated with the VILLAGE and/or other appropriate sources such that construction phasing minimizes impacts to traffic operations. Coordination with FDOT will also be provided.

The CONSULTANT will review the existing drainage system within the Williams Road ROW and evaluate the drainage system requirements, in coordination with potential impacts to the existing Life Care Center (LCC) water management system. The design storm is defined as the 25-year, 3-day storm event by the water management district. The existing drainage system will be modified to accommodate the proposed roadway improvements and Life Care Center impacts, in accordance with applicable drainage manuals.

The CONSULTANT will evaluate the existing LCC water management system to determine whether additional capacity is available to accept the increased impervious area created by the proposed intersection improvements. To avoid inundation of the existing stormwater conveyance system within the R/W, the proposed design will attempt to maintain the same drainage area to the closed drainage system.

The CONSULTANT shall prepare a drainage design documentation report documenting the drainage design analysis and assumptions. This will be submitted to the VILLAGE for review and included in the SFWMD ERP Permit applications. SFWMD permit submittals are anticipated for both the changes within the Williams Road R/W with conveyance to Halfway Creek as well as modifications to the existing LCC water management system. The model for the project will include the 5-yr / 1-hr, 5-yr / 24-hr, and 25-yr/3-day events. The CONSULTANT understands all proposed pipe will be reinforced concrete pipe (RCP) and no optional pipe material analysis will be performed.

CONSULTANT shall calculate plan quantities and prepare an opinion of probable cost (OPC) to be submitted at the 60%, 90% and Final submittal stages. The OPC shall be based on the best

available unit cost data. Unit cost data may be taken from recent, local construction bids and/or the FDOT Unit Cost History.

Deliverables:

- *Roadway Design Documentation*
- *Drainage Design Report*
- *Milestone Opinion of Probable Cost*

TASK 8. ROADWAY & DRAINAGE PLAN PREPARATION

This task consists of the preparation of 11" x 17" construction drawings at a scale of 1" = 40'. One (1) PDF file will be provided for each submittal and will include, but not limited to, the following sheets:

- Key Sheet
- Signature Sheet
- Drainage Map
- Summary of Pay Items Sheet
- Typical Section Sheets
- General Notes /Pay Item Notes Sheet
- Summary of Quantities Sheet
- Survey Control Sheets
- Project Layout Sheets
- Plan and Profile Sheets
- Drainage Structures
- Cross Section Sheets
- Utility Adjustment Sheets
- Maintenance of Traffic Sheets
- Intersection/Driveway Details
- Erosion Control Sheets
- SWPPP Sheets

Plans will be submitted to the VILLAGE for their review and comments at 60%, 90% and 100% completion. Once the 100% plans are approved, the CONSULTANT will supply final signed and sealed plans for bidding purposes.

CONSULTANT shall provide a standard specifications package based upon the 2021 FDOT Roadway and Bridge Specifications. Technical specifications shall be provided as needed and may consist of other standard specifications utilized by the VILLAGE for items such as utilities and signing and marking. It is assumed the VILLAGE shall provide standard "front end" documents including, but not limited to, general conditions, special conditions, special provisions, etc. CONSULTANT shall assist the VILLAGE as necessary in modifying such documents to suit this project.

Deliverables:

- *60% plans*
- *90% plans*
- *100% plans*
- *Final plans (signed and sealed)*
- *Specifications Package in Word format*

TASK 9. ENVIRONMENTAL AND PERMITTING SERVICES

It is our understanding the project will require a General Permit (GP) under F.A.C. 62-330.447(g) from the South Florida Water Management District (SFWMD) due to anticipated wetland impacts immediately south of the proposed roundabout. The CONSULTANT will prepare a general permit submittal to the SFWMD. The CONSULTANT will compile the necessary forms and permit plans for the submittal package. The CONSULTANT will utilize ownership information provided by the VILLAGE in preparing the submittal package. In the event the roundabout can be shifted north to the extent it completely avoids wetland impacts, an application for exemption under F.A.C. 62-300.051(4c) will be pursued from the SFWMD in lieu of a General Permit.
CONSULTANT will conduct up to one meeting, if required, with VILLAGE and/or SFWMD staff to prepare the plans and calculations needed to complete the application. This task includes providing a response to two requests for additional information from SFWMD staff, if required, for each submittal.

The proposed project falls within the assumed Florida Department of Environmental Protection (FDEP) jurisdiction for state wetlands. As such, the CONSULTANT will prepare a 404 General Permit submittal to FDEP in accordance with F.A.C. 62-331.217(A) in the likely event that wetlands are impacted by the project.

A gopher tortoise survey and Florida bonneted bat roosting survey (no acoustic survey) will be conducted to determine presence or absence of these species. It is assumed that no gopher tortoises or their burrows will be impacted. CONSULTANT will conduct up to one meeting with the United States Fish and Wildlife Service to discuss protected species and any related surveys. A pre-application meeting with the Florida Fish and Wildlife Conservation Commission is not included.

Additionally, the CONSULTANT will conduct any required wetland delineations of wetlands within the project area and general wildlife surveys.

Any permitting fees required for the project will be the responsibility of the VILLAGE.

CONSULTANT will prepare a Type D Limited Review Development Order for roadway and drainage improvements within the Williams Road R/W in accordance with VILLAGE Community Development Standards. CONSULTANT will conduct up to one meeting, if required, with VILLAGE staff to prepare the plans and calculations needed to complete the application. This task includes providing a response to two requests for additional information from VILLAGE staff, if required. The Type D LDO includes an electronic copy and three (3) collated paper copies (incl. 24" x 36" Plan Sets) including component sets (signing and pavement marking, lighting, landscape, etc.) as applicable.

The eastern portion of the project abuts US 41 R/W. Based on preliminary review, the Williams Road R/W does not appear to convey stormwater into the FDOT R/W. The CONSULTANT shall coordinate with FDOT to review the existing and proposed conditions to confirm existing drainage patterns and avoid any increase of stormwater conveyance into the State's system. Regardless, we shall prepare, submit, and obtain FDOT Driveway and Drainage Connection Permits based on any potential impacts within the US 41 right-of-way or an exception from being required to obtain a FDOT drainage connection permit.

Permitting is a regulatory process over which the CONSULTANT has no control and cannot guarantee a permit. CONSULTANT shall respond to and address comments directly related to and precipitated from the above referenced permit application. However, the above scope, and corresponding fees, do not include consultation with the State Historic Preservation Officers

(SHPO). Should consultation with this agency or any additional permitting efforts become necessary during the project, this will be considered additional services to be negotiated at that time. This scope also does not include dewatering permitting efforts. Should a dewatering permit become necessary this can be made a stipulation of the construction plans as the contractor's responsibility.

Deliverables:

- *Completed SFWMD General Permit for Wetland Impacts (OR) Completed SFWMD Exemption*
- *Completed FDEP 404 General Permit*
- *Environmental technical memorandum*
- *Completed Village of Estero Type D LDO Submittal*
- *FDOT Drainage Connection Permit Application*

TASK 10. SIGNING & PAVEMENT MARKING ANALYSIS & PLANS

The CONSULTANT is responsible for the preparation and design of a complete set of signing and pavement marking plans in compliance with the latest FDOT Standards, the M.U.T.C.D., and the "Sign/Marking Standards for Older Road Users Program" for the project. These plans will be included as a component part of the contract plans set and shall include all necessary side street signing and pavement striping necessary for the safe and effective operation of vehicles and pedestrians on or crossing the roadway. The component plan set will consist of 11" x 17" construction drawings at a scale of 1" = 40'. One (1) PDF file will be provided for each submittal and will include, but not limited to, the following sheets:

- Key Sheet
- General Notes /Pay Item Notes Sheet
- Summary of Quantities Sheet
- Plan Sheets
- Typical Details
- Sign Panel Worksheets, if applicable

Phase submittals will be made to the VILLAGE for their review and comments at 60%, 90% and 100% completion. Once the 100% plans are approved, the CONSULTANT will supply final signed and sealed plans for bidding purposes.

Deliverables:

- *60% plans*
- *90% plans*
- *100% plans*
- *Final plans (signed and sealed)*

TASK 11. LIGHTING ANALYSIS & PLANS

This task involves analyzing and designing lighting concepts for the roadway improvements in accordance with the current editions of the FDOT Standard Plans, Florida Greenbook and VILLAGE standards. The CONSULTANT shall prepare a Lighting Justification Report (LJR) to document lighting needs for the corridor and the proposed roundabout. The CONSULTANT shall prepare a Lighting Design Analysis Report (LDAR). The LDAR shall provide analyses for the intersections, uncontrolled pedestrian crossings, and mainline lighting along Williams Road. Each lighting calculation shall be properly identified as to the area that it covers. The report shall include the Lighting Design Criteria that will be used for basis of design.

New LED lighting was installed by FDOT in 2017 along US 41 within the project limits including appropriate intersection lighting at the Williams Road intersections. The Consultant shall consider the newly installed illumination and provide new LED poles to cover only Williams Road and the new roundabout. Lighting for the intersection of Williams Road and US 41 is not included as part of this scope.

The component plan set will consist of 11" x 17" construction drawings at a scale of 1" = 40'. One (1) PDF file will be provided for each submittal and will include, but not limited to, the following sheets:

- Key Sheet
- General Notes /Pay Item Notes Sheet
- Summary of Quantities Sheet
- Pole Data, Legend & Criteria
- Service Point Details
- Plan Sheets
- Special Details

Plans will be submitted to the VILLAGE for their review and comments at 60%, 90% and 100% completion. Once the 100% plans are approved, the CONSULTANT will supply final signed and sealed plans for bidding purposes.

Deliverables:

- *Lighting Design Analysis Report (LDAR)*
- *60% plans*
- *90% plans*
- *100% plans*
- *Final plans (signed and sealed)*

TASK 12. SIGNALIZATION ANALYSIS & PLANS

This task involves analyzing and designing for the signalization at US 41 in accordance with the current editions of the FDOT Standard Plans, Florida Greenbook and VILLAGE standards. The scope of this task is limited to only relocating the signal pedestrian features and associated wirings that will be impacted by this project. Existing signal poles and heads are to remain unimpacted.

The component plan set will consist of 11" x 17" construction drawings at a scale of 1" = 40'. One (1) PDF file will be provided for each submittal and will include, but not limited to, the following sheets:

- Key Sheet
- General Notes /Pay Item Notes Sheet
- Summary of Quantities Sheet
- Signalization sheet
- Special Details

Plans will be submitted to the VILLAGE for their review and comments at 60%, 90% and 100% completion. Once the 100% plans are approved, the CONSULTANT will supply final signed and sealed plans for bidding purposes.

Deliverables:

- *Lighting Design Analysis Report (LDAR)*

- *60% plans*
- *90% plans*
- *100% plans*
- *Final plans (signed and sealed)*

TASK 13. LANDSCAPING ANALYSIS AND PLANS

The CONSULTANT shall analyze and provide Landscape Architecture services in accordance with all applicable manuals, guidelines, standards, handbooks, procedures, and current VILLAGE guidance. Includes identification of opportunities and constraints for the proposed landscape project based on existing site conditions. Identify available planting areas for nursery landscape material outside of clear zones. The CONSULTANT shall include a written plan for care and maintenance of the plants and beds, and irrigation system after the warranty period. The landscape maintenance plan will be developed in performance-based language and will be in coordination with the VILLAGE's staff that will assume maintenance obligation. The Consultant shall meet with the VILLAGE's maintenance /operational personnel to review the existing conditions, proposed geometry and planting and irrigation options or standards to be considered in the design.

Planting Design shall include a Conceptual Stage which provides delineation of all proposed planting types, scheme development and preliminary costs and reports and a Final Stage that provides identification of the species/type, size, location, spacing, and quality of all plants. Planting design is anticipated within the proposed roundabout center island, median islands (if applicable), those areas within the LLC property impacted by the proposed Williams Road improvements to ensure compliance with previously approved development order landscape. The consultant will also evaluate other planting opportunities within the project limits where landscape can be implemented.

Irrigation Design shall include a Conceptual Stage which provides analysis of methods, materials and operation costs associated with proposed irrigation system, including determination of water and power sources. Final Irrigation Design includes, but is not limited to, the locations and sizes of pumps, pump stations, mainlines, lateral lines, irrigation heads, valves, backflow, and control devices. This scope of services assumes that irrigation will be provided by existing 12" Lee County Reuse facility located within the project limits and a SFWMD well water use permit for irrigation will not be required. A water use permit will be submitted to the SFWMD for irrigation.

This task consists of the preparation of 11" x 17" construction drawings at a scale of 1" = 40'. One (1) PDF file will be provided for each submittal and will include, but not limited to, the following sheets:

- Key Sheet
- Tabulation of Quantities
- General Notes /Pay Item Notes Sheet
- Tree and Vegetation Inventory, Protection and Relocation Plans
- Planting Plans
- Planting Details and Notes
- Irrigation Plans
- Irrigation Details and Notes

Plans will be submitted to the VILLAGE for their review and comments at 60%, 90% and 100% completion. Once the 100% plans are approved, the CONSULTANT will supply final signed and sealed plans for bidding purposes, including technical specifications.

Deliverables:

- *60% plans*
- *90% plans*
- *100% plans*
- *Final plans (signed and sealed)*
- *Technical Specifications*
- *Completed SFWMD Water Use Permit Application*

TASK 14. BID PHASE SERVICES

CONSULTANT shall prepare and provide a bid form summarizing all pay items and associated quantities. CONSULTANT shall provide signed and sealed plans, in format and quantity as described herein, to be included in the bid set. CONSULTANT shall provide a copy of all permits acquired for the project including all associated general and special conditions to be included in the bid set.

CONSULTANT shall assist the VILLAGE in preparing for and attend one pre-bid conference. CONSULTANT shall provide a summary of the project including design, construction and permitting issues, and be available to answer questions from the prospective bidders. CONSULTANT shall respond to various questions that arise during bidding and assist the VILLAGE in preparation of any necessary addenda. CONSULTANT shall review the apparent low bid for consistency and responsiveness and provide input to the VILLAGE as necessary to award the contract.

Deliverables:

- *Bid Form in Excel format*
- *Signed & Sealed Plans*
- *Copies of Permits*

TASK 15. COST-TO-CURE SERVICES

At the VILLAGE's option, based on Concept Option 4A the CONSULTANT may be requested to provide cost-to-cure engineering design services to offset potential impacts to the parcel at 3850 Williams Rd (Life Care Center of Estero). If required, The CONSULTANT shall prepare engineered site plans and permits for impacted areas of the parcel to assist the VILLAGE with right-of-way acquisition and maintain compliance with state and local permits. The site plans are limited to "curing" the impacted areas and restoring the impacted areas in-kind. Anticipated impacts assume those related to landscape, driveway, parking, sidewalk, water management and onsite utilities. Other offsite improvements other than those areas necessary to offset directly impacted areas by the proposed intersection improvements are excluded. Building improvements are specifically excluded.

CONSULTANT will prepare a Type D Limited Review Development Order for site impacts to the Life Care Center Property in accordance with VILLAGE Community Development Standards. CONSULTANT will conduct up to one meeting, if required, with VILLAGE staff to prepare the plans and calculations needed to complete the application. This task includes providing a response to two requests for additional information from VILLAGE staff, if required. The Type D LDO includes

an electronic copy and three (3) collated paper copies (incl. 24" x 36" Plan Sets) including component sets (signing and pavement marking, lighting, landscape, etc.) as applicable.

In addition, due to anticipated impacts to the LCC water management system, a SFWMD ERP Permit application will also be submitted. CONSULTANT will conduct up to one meeting, if required, with VILLAGE and/or SFWMD staff to prepare the plans and calculations needed to complete the application. This task includes providing a response to two requests for additional information from SFWMD staff, if required, for each submittal.

Deliverables:

- Partial Site Plans
    - Cover Sheet
    - Aerial / Existing Conditions
    - Site Plan
    - Paving, Grading and Drainage Plan
    - Standard Details (if applicable)
    - Landscape Plans
    - Erosion Control
- Completed Stormwater Pollution Prevention Plan (SWPPP)
- Completed Village of Estero Limited Review Development Order (LDO)
- Completed SFWMD ERP Permit
- Engineers Construction Cost Opinion

TASK 16. POST DESIGN SERVICES

CONSULTANT shall respond to Requests for Information (RFI) from the Contractor within three (3) days of receipt. CONSULTANT shall review and approve or take other appropriate action in respect to shop drawings and samples, and other data which the CONTRACTOR is required to submit, but only for conformance with the information given in the contract documents and compatibility with the design concept of the completed project as a functioning whole as indicated in the contract documents. CONSULTANT shall respond to Shop Drawings within ten (10) days of receipt.

CONSULTANT shall provide interpretations and clarifications on the intent of the plans and contract documents to the Contractor and VILLAGE's Project Manager as necessary during construction. CONSULTANT shall evaluate and determine the acceptability of substitute or "or equal" materials, equipment, layout, dimensions, and elevations proposed by Contractor in accordance with the contract documents, but subject to the provisions of applicable standards of state or local government entities. CONSULTANT shall respond to requests for interpretations and clarifications within three (3) days of receipt.

CONSULTANT shall review the contractors signed and sealed Record Drawings reflecting the actual project construction and either approve said Record Drawings or provide the VILLAGE with a list of deficiencies for correction by the Contractor. The VILLAGE will review any deficiencies and request the Contractor make corrections to items that do not meet the required criteria within acceptable tolerances and prepare updated Record Drawings for review and approval by the CONSULTANT. Based on the results of the final observations of the site, test reports, record

drawings, and other documentation pertinent to the project, CONSULTANT shall prepare and submit to the SFWMD, the certificates of completion of construction.

IV. PROJECT SCHEDULE

The services identified within this Scope of Services will begin upon the CONSULTANT's receipt of a written Notice to Proceed (NTP) from the VILLAGE. Upon execution of this contract, the CONSULTANT shall submit to the VILLAGE a detailed project schedule within ten (10) working days from the approval of the Work Assignment. This schedule anticipates the VILLAGE will provide review comments of deliverables within 20 business days of submittal by the CONSULTANT. Services will begin upon the CONSULTANT's receipt of a written Notice to Proceed from the VILLAGE. This Professional Engineering Services contract shall be conducted in accordance with the project schedule, as detailed in the following table.

Project Schedule	
Milestone	Calendar Days from NTP
Notice to Proceed	0
Topographic Survey	41
Final Geotechnical Report	111
60% Plan Submittal	209
Permit Submittals	279
90% Plan Submittal	335
100% Plan Submittal	431
Final Project Design Package Submittal	431
Bidding Phase	TBD
Post Design Services	TBD

Should any of the above milestones occur on the Village of Estero non-business day (weekend, holiday, etc.) then the milestone submittal shall occur on the following business day.

V. COMPENSATION

Detailed staff hours and proposed fee are outlined in Exhibit B – Pricing Proposal.

EXHIBIT B

CN 2020-01 MISCELLANEOUS PROFESSIONAL SERVICES
STA-3 WILLIAMS ROAD/ATLANTIC GULF BLVD. INTERSECTION DESIGN AND PERMITTING

PRICING PROPOSAL

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Fee Estimate
WILLIAMS RD/ATLANTIC GULF BLVD INTERSECTION
DESIGN & PERMITTING
CN 2020-01 / STA 3

Task	Description	Fee Basis	Contract Amount
1	PROJECT ADMINISTRATION	NTE	$17,252
2	PUBLIC INVOLVEMENT	NTE	$28,637
3.1	SURVEY	NTE	$21,460
3.2	SURVEY US 41 & WILLIAMS ROAD INTERSECTION	NTE	$1,550
3.3	RIGHT-OF-WAY SURVEY	NTE	$13,950
3.4	BOUNDARY SURVEYS	NTE	$13,950
4	GEOTECHNICAL SERVICES	NTE	$9,920
5	UTILITY COORDINATION	NTE	$8,579
6	TRAFFIC DATA AND ANALYSIS	NTE	$54,454
7	ROADWAY & DRAINAGE DESIGN ANALYSIS	NTE	$87,813
8	ROADWAY & DRAINAGE PLANS	NTE	$49,428
9	ENVIRONMENTAL AND PERMITTING SERVICES	NTE	$41,149
10	S&PM ANALYSIS & PLANS	NTE	$22,295
11	LIGHTING ANALYSIS & PLANS	NTE	$25,247
12	SIGNALIZATION ANALYSIS & PLANS	NTE	$10,278
13	LANDSCAPE ANALYSIS & PLANS	NTE	$20,515
14	BID PHASE SERVICES	NTE	$5,449
15	COST-TO-CURE ENGINEERING SERVICES	NTE	$27,092
16	POST DESIGN SERVICES	NTE	$10,081
	TOTAL	NTE	$469,099

3/26/2021

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

SUMMARY
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Subconsultant Cost	Total Hours	Total Cost
Hourly Rates	$208.00	$265.00	$223.00	$192.93	$111.00	$95.00	$138.00	$87.00	$105.00	$101.00			
1. PROJECT ADMINISTRATION	31	0	0	56	0	0	0	0	0	0		87	$17,252
2. PUBLIC INVOLVEMENT	18	0	21	25	13	0	31	54	30	18		210	$28,637
3.1 SURVEY	E.F. Gaines Surveying Services, Inc. & Earth View, LLC. (see attached)										$21,460		$21,460
3.2 SURVEY US 41 & WILLIAMS ROAD INTERSECTION	E.F. Gaines Surveying Services, Inc. (see attached)										$1,550		$1,550
3.3 RIGHT-OF-WAY SURVEY	E.F. Gaines Surveying Services, Inc. (see attached)										$13,950		$13,950
3.4 BOUNDARY SURVEYS	E.F. Gaines Surveying Services, Inc. (see attached)										$13,950		$13,950
4. GEOTECHNICAL SERVICES	Forge Engineering (see attached)										$9,920		$9,920
5. UTILITY COORDINATION	0	0	6	22	27	0	0	0	0	0		55	$8,579
6. TRAFFIC DATA AND ANALYSIS	3	18	69	106	102	20	0	0	0	0		318	$54,454
7. ROADWAY & DRAINAGE DESIGN ANALYSIS	19	8	112	121	260	48	0	0	0	0		568	$87,813
8. ROADWAY & DRAINAGE PLANS	6	6	45	45	228	27	0	0	0	0		357	$49,428
9. ENVIRONMENTAL AND PERMITTING SERVICES	12	0	20	18	40	0	90	140	16	0		336	$41,149
10. S&PM ANALYSIS & PLANS	0	2	19	50	71	0	0	0	0	0		142	$22,295
11. LIGHTING ANALYSIS & PLANS	1	3	38	57	43	0	0	0	0	0		142	$25,247
12. SIGNALIZATION ANALYSIS & PLANS	0	2	12	24	22	0	0	0	0	0		60	$10,278
13. LANDSCAPING ANALYSIS AND PLANS	David M. Jones, Jr. and Associates, Inc. (see attached)										$20,515		$20,515
14. BID PHASE SERVICES	7	0	8	8	6	0	0	0	0	0		29	$5,449
15. COST-TO-CURE ENGINEERING SERVICES	6	0	24	26	87	13	10	32	4	0		202	$27,092
16. POST DESIGN SERVICES	8	0	13	24	8	0	0	0	0	0		53	$10,081
Total Hours	111	39	387	582	907	108	131	226	50	18		2559	
Total Staff Hour Cost	$23,088	$10,335	$86,301	$112,285	$100,677	$10,260	$18,078	$19,662	$5,250	$1,818	$81,345		$469,099

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

PROJECT ADMINISTRATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
PROJECT ADMINISTRATION											
Project Initiation	2			4							**6**
Project Administration (16 Months)	8			24							**32**
Kickoff Meeting	2			6							**8**
Progress Meetings (8 Meetings)	16			16							**32**
Stakeholder Meetings (3 meetings)	3			6							**9**
Subtotal	**31**	**0**	**0**	**56**	**0**	**0**	**0**	**0**	**0**	**0**	**87**
TOTAL ADMINISTRATION HOURS	**31**	**0**	**0**	**56**	**0**	**0**	**0**	**0**	**0**	**0**	**87**
TOTAL ADMINISTRATION COST	**$6,448**	**$0**	**$0**	**$10,804**	**$0**	**$0**	**$0**	**$0**	**$0**	**$0**	**$17,252**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

PUBLIC INVOLVEMENT
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
PUBLIC INVOLVEMENT											
General Activities											
Project Review and Coordination with Design Team							8	8			16
Develop and maintain mail/email list								4	4		8
Prepare materials, maps, flyers				1			2		6	2	11
Public Meetings (1)											
Advanced Notification Letter				1			1	2			4
Secure public meeting site							1	1			2
Develop, prep and email newsletter/flyer (1)				1			1	4	4	8	18
Preparation of press release							1	2		1	4
Preparation of advertisements							1	2	0	1	4
Prepare meeting materials (display boards, Power Point presentation, sign-in, name tags, handouts, comments sheets, etc.)			2	3	3		1	6	4	6	25
Setup and Attend Public Meeting	5		3				6	6	12		32
Documentation				1							1
Maintain Log and Respond to requests/concerns from public				4			3	16			23
Village Council Meetings (3)											0
Prepare meeting materials (display boards, Power Point presentation)			2	5	5						12
Attendence	6		6								12
Documentation				2							2
Small Group Meetings (3)											0
Prepare meeting materials (display boards, Power Point presentation)			2	5	5						12
Schedule and Attendence	6		6				6	3			21
Documentation				2							2
Communicate & coordinate onsite visits with affected parties	1										1
Subtotal	**18**	**0**	**21**	**25**	**13**	**0**	**31**	**54**	**30**	**18**	**210**
TOTAL PUBLIC INVOLVEMENT HOURS	**18**	**0**	**21**	**25**	**13**	**0**	**31**	**54**	**30**	**18**	**210**
TOTAL PUBLIC INVOLVEMENT COST	**$3,744**	**$0**	**$4,683**	**$4,823**	**$1,443**	**$0**	**$4,278**	**$4,698**	**$3,150**	**$1,818**	**$28,637**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

UTILITY COORDINATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
UTILITY COORDINATION											
Develop & Maintian Contacts List				2	8						10
Individual Field Meeting (1)			2	2							4
Collect and Review UAO as-builts, data, etc.				2	4						6
Joint Utility Coordination Meeting (1)			2	2							4
Coord. Adjustments, relocations, removal				2	8						10
Review Mark-ups, work schedules, agreements				2	4						6
Coordination / Follow-up				4	2						6
Review SUE Data			2	2	1						5
Meeting Minutes / Coordination Documentation				4							4
											0
Subtotal	**0**	**0**	**6**	**22**	**27**	**0**	**0**	**0**	**0**	**0**	**55**
TOTAL UTILITY COORDINATION HOURS	**0**	**0**	**6**	**22**	**27**	**0**	**0**	**0**	**0**	**0**	**55**
TOTAL UTILITY COORDINATION COST	**$0**	**$0**	**$1,338**	**$4,244**	**$2,997**	**$0**	**$0**	**$0**	**$0**	**$0**	**$8,579**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

TRAFFIC DATA & ANALYSIS
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
TRAFFIC DATA AND ANALYSIS											
Traffic Analysis											
Develop Traffic Analysis Methodology	2	3	6								11
Review Exist and Future Land Uses within Project Corridor		2	8								10
Project Design Year 2045 Future Traffic											0
Analyze Existing and Design Year Peak Hr Operations		2	6	8	12	20					48
Evaluate Roundabout Operations and Lane Requirements		2	6	12	12						32
Evaluate EB Turn Lanes on Williams Rd		1	4	8	8						21
Access Management Analysis and Recommendtions		1	2								3
Develop Micro-Simulation Model (Synchro/Sidra)				24	40						64
Review Simulationn Model Results				12	30						42
Draft Technical Traffic Memorandum		3	20	20							43
Final Technical Traffic Memorandum		2	10	15							27
Field Review			4	4							8
Quality Control	1	2	3	3							9
Subtotal	**3**	**18**	**69**	**106**	**102**	**20**	**0**	**0**	**0**	**0**	**318**
TOTAL TRAFFIC DATA & ANALYSIS HOURS	**3**	**18**	**69**	**106**	**102**	**20**	**0**	**0**	**0**	**0**	**318**
TOTAL TRAFFIC DATA & ANALYSIS COST	**$624**	**$4,770**	**$15,387**	**$20,451**	**$11,322**	**$1,900**	**$0**	**$0**	**$0**	**$0**	**$54,454**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

ROADWAY & DRAINAGE DESIGN ANALYSIS
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
GENERAL DESIGN ANALYSIS											
Drainage											
Data Collection & Field Reviews			4		4	4					12
Base Clearance Water Elevation			3		2						5
Drainage Design Documetation Report			12		12	12					36
Drainage Map Hydrology			2		6						8
Stormsewer Design			16		24	20					60
Design of Stormwater Management Facility			10		20	12					42
Cost Estimate (60%, 90%, 100% & Final)			4		4						8
Quality Control	2	2	10								14
Drainage Subtotal	**2**	**2**	**61**	**0**	**72**	**48**	**0**	**0**	**0**	**0**	**185**
Roadway											
Data Collection & Field Reviews	1			8	4						13
Design Criteria/Documentation Report				4	8						12
Pavement Design				4	6						10
Typical Section Analysis (2)	1			6	8						15
Roundabout/Intersection Analysis	2	2		12	24						40
Cross Section Design Files				7	20						27
Driveway Analysis (3)				2	4						6
Geometric Analysis	4	2	10	40	60						116
Alternative Concepts Exhibits (3)	2		2	8	18						30
Alternative Concepts Memo	1		1	12	6						20
MOT (Conceptual)	2			4	16						22
Quantities			8	8	14						30
Cost Estimate (60%, 90%, 100% & Final)	2		4	4							10
Quality Control	2	2	26	2							32
Roadway Subtotal	**17**	**6**	**51**	**121**	**188**	**0**	**0**	**0**	**0**	**0**	**383**
TOTAL ROADWAY DESIGN ANALYSIS HOURS	**19**	**8**	**112**	**121**	**260**	**48**	**0**	**0**	**0**	**0**	**568**
TOTAL ROADWAY DESIGN ANLAYSIS COST	**$3,952**	**$2,120**	**$24,976**	**$23,345**	**$28,860**	**$4,560**	**$0**	**$0**	**$0**	**$0**	**$87,813**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

ROADWAY & DRAINAGE PLAN PREPARATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
ROADWAY & DRAINAGE PLAN PREPARATION											
Roadway											
Cover Sheet (1)				1	7						8
Signature Sheet (1)				1	7						8
Summary of Pay Items Sheet (1)				2	10						12
Typical Section Sheet (3)				6	12						18
General Notes / Pay Item Notes (1)				2	8						10
Summary of Quantities				4	36						40
Survey Control Sheet				1	1						2
Project Layout Sheet				1	4						5
Plan Profile Sheet (2 sheets)				2	10						12
Cross Sections (10 sheets)				4	16						20
Utility Adjustment Sheets (2)				1	3						4
MOT Sheets (6 sheets - 3 Phases)				4	20						24
Intersection/Driveway Details (2 sheets)				4	20						24
Quality Control	2	2	16								20
Roadway Subtotal	**2**	**2**	**16**	**33**	**154**	**0**	**0**	**0**	**0**	**0**	207
Drainage											
Drainage Map			4		20	4					28
Summary of Drainage Structures (1)			2		10	8					20
Drainage Structure Sections (10+)			4		20	6					30
Drainage Structure Details (2)			2		12	2					16
Erosion Control Sheets (3)			1		6	3					10
SWPPP Sheets (2)			2		6	4					12
Quality Control	2	2	10								14
Drainage Subtotal	**2**	**2**	**25**	**0**	**74**	**27**	**0**	**0**	**0**	**0**	130
Specifications	**2**	**2**	**4**	**12**							20
TOTAL ROADWAY & DRAINAGE PLAN HOURS	**6**	**6**	**45**	**45**	**228**	**27**	**0**	**0**	**0**	**0**	**357**
TOTAL ROADWAY & DRAINAGE PLAN COST	**$1,248**	**$1,590**	**$10,035**	**$8,682**	**$25,308**	**$2,565**	**$0**	**$0**	**$0**	**$0**	**$49,428**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

ENVIRONMENTAL AND PERMITTING SERVICES
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rates	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
ENVIRONMENTAL											
Environmental Research							4	4			8
Establish Wetland Juristiction Lines and Assessments							10	10	2		22
Species Survey							20	20	2		42
Agency Verification of Wetland Data							8	8			16
Environmental Tech Memo							4	24	4		32
Compesatory Mitigation Plan							2	2			4
Mitigation Coordination and Meetings							2	2			4
Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**50**	**70**	**8**	**0**	**128**
PERMITTING											
Agency Meetings (4 meetings)	8		4				8	4			24
Prepare SFWMD General Permit Application			2	2			4	12	4		24
Prepare FDEP 404 Permit Application			2	2	8		4	20	4		40
Prepare VOE Type D LDO Application				4	12			2			18
Prepare FDOT Drainage Connection Permit Application			8	2	12						22
Permitting & RAI's (2 per permit)				8	8		8	32			56
Quality Control	4		4				16				24
Subtotal	**12**	**0**	**20**	**18**	**40**	**0**	**40**	**70**	**8**	**0**	**208**
TOTAL ENV. & PERMITTING HOURS	**12**	**0**	**20**	**18**	**40**	**0**	**90**	**140**	**16**	**0**	**208**
TOTAL ENV. & PERMITTING COST	**$2,496**	**$0**	**$4,460**	**$3,473**	**$4,440**	**$0**	**$12,420**	**$12,180**	**$1,680**	**$0**	**$41,149**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

S&PM DESIGN AND PLAN PREPARATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
S&PM DESIGN AND PLANS PREPARATION											
Data Collection & Field Reviews			1	4	4						9
Design Signing and Pavement Marking Analysis			8	20	24						52
Alternative Concepts Exhibits			1	8	6						15
Cover Sheet (1)				1	4						5
General Notes / PayItem Notes Sheet				2	3						5
Summary of Quantities Sheet				4	6						10
Signing and Marking Plan Sheets (2)			1	3	8						12
Typical Details			1	1	6						8
Guide Sign Worksheet(s)				2	4						6
Quantities				3	3						6
Construction Cost Estimate (60%, 90%, 100% & Final)			1	2	3						6
Quality Control		2	6								8
Field Review			4	4							
Subtotal	**0**	**2**	**19**	**50**	**71**	**0**	**0**	**0**	**0**	**0**	142
TOTAL S&PM DESIGN AND PLAN HOURS	**0**	**2**	**19**	**50**	**71**	**0**	**0**	**0**	**0**	**0**	**142**
TOTAL S&PM DESIGN AND PLAN COST	**$0**	**$530**	**$4,237**	**$9,647**	**$7,881**	**$0**	**$0**	**$0**	**$0**	**$0**	**$22,295**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

LIGHTING DESIGN AND PLAN PREPARATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
LIGHTING DESIGN & PLAN PREPARATION											
Data Collection & Field Reviews		1	2	2	2						7
Lighting Design Analysis Report			2	6	6						14
Lighting Segemnt and Intersection RA Analysis			4	4	4						
Voltage Drop Calculations			6	6							12
Design Analysis			2	4	4						10
Design Documentation			4	4							8
Cover Sheet (1)				4	2						6
General Notes / Pay Item Notes Sheet			1	4	2						7
Summary of Quantities			2	3	4						9
Pole Data, Legend and Criteria			1	2	4						7
Service Point Details				4	4						8
Lighting Plan Sheets (2)			2	4	4						10
Special Details			2	2	4						8
Quantities			1	2	2						5
Construction Cost Estimate (60%, 90%, 100% & Final)			1	2	1						4
Quality Control	1	2	4								7
Meeting Coordination with Power Company			4	4							
Subtotal	**1**	**3**	**38**	**57**	**43**	**0**	**0**	**0**	**0**	**0**	142
TOTAL LIGHTING DESIGN & PLAN HOURS	**1**	**3**	**38**	**57**	**43**	**0**	**0**	**0**	**0**	**0**	**142**
TOTAL LIGHTING DESIGN & PLAN COST	**$208**	**$795**	**$8,474**	**$10,997**	**$4,773**	**$0**	**$0**	**$0**	**$0**	**$0**	**$25,247**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

SIGNALIZATION ANALYSIS AND PLAN PREPARATION
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
SIGNALIZATION DESIGN & PLAN PREPARATION											
Data Collection & Field Reviews				1	2						3
Design Analysis			1	2							3
Design Documentation			1	2							3
Cover Sheet (1)				4	2						6
General Notes / Pay Item Notes			1	4	2						7
Summary of Quantities			2	3	4						9
Signalization Sheet (1)			2	4	4						10
Special Details			2	2	4						8
Quantities				1	2						3
Construction Cost Estimate (60%, 90%, 100% & Final)				1	2						3
Quality Control		2	3								5
Subtotal	**0**	**2**	**12**	**24**	**22**	**0**	**0**	**0**	**0**	**0**	60
TOTAL SIGNAL ANALYSIS & PLAN HOURS	**0**	**2**	**12**	**24**	**22**	**0**	**0**	**0**	**0**	**0**	**60**
TOTAL SIGNAL ANALYSIS & PLAN COST	**$0**	**$530**	**$2,676**	**$4,630**	**$2,442**	**$0**	**$0**	**$0**	**$0**	**$0**	**$10,278**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

BID PHASE SERVICES
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
BID PACKAGE											
Final Bid Documents	2		2	4	4						12
Pre-Bid Meeting	3		3								6
Bid Addenda	1		1	2	2						6
Bid Review/Recommendation	1		2	2							5
TOTAL BID PHASE SERVICES HOURS	**7**	**0**	**8**	**8**	**6**	**0**	**0**	**0**	**0**	**0**	**29**
TOTAL BID PHASE SERVICES COST	**$1,456**	**$0**	**$1,784**	**$1,543**	**$666**	**$0**	**$0**	**$0**	**$0**	**$0**	**$5,449**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

Cost-to-Cure
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
COST-TO-CURE ENGINEERING SERVICES											
Analysis, Research & Calculations			8	4	20						32
Partial Site Plans											
Cover Sheet				1	7						8
Aerial/Existing Conditions				1	7						8
Site Plan			2	4	8	2					16
Grading Paving, Drainage Plan			4	2	12	4					22
Standard Details				2	10						12
Landscape Plans (see Landscape Fee)											0
Erosion Control			1		6	3					
Stormwater Pollution Prevention Plan			1		3	2					6
Agency Meetings (2 meetings)	4		2				4	2			12
Prepare VOE Type D LDO Application				4	12			2			18
Prepare SFWMD ERP Permit Application			2	2			4	20	4		32
Engineers Cost Opinion	1		2	2							5
Permitting & RAI's (2 per permit)				2	2		2	8			14
Quality Control	1		2	2		2					7
TOTAL SITE PLAN SERVICES HOURS	**6**	**0**	**24**	**26**	**87**	**13**	**10**	**32**	**4**	**0**	**192**
TOTAL SITE PLAN SERVICES COST	**$1,248**	**$0**	**$5,352**	**$5,016**	**$9,657**	**$1,235**	**$1,380**	**$2,784**	**$420**	**$0**	**$27,092**

Kisinger Campo & Associates
Williams Rd/Atlantic Gulf Blvd Int.Design Engineering Services
Village of Estero CN No. 2020-01

POST DESIGN SERVICES
ESTIMATE OF WORK EFFORT
3/26/2021

	Project Mgr. 1	Chief Eng. 1	Senior Eng. 1	Eng. 2	Designer	Eng. Tech	Senior Env. Specialist	Env. Specialist	GIS Specialist	Visualization Tech	Total
Hourly Rate	$208	$265	$223	$193	$111	$95	$138	$87	$105	$101	
POST DESIGN SERVICES											
Pre-Construction Meeting	3		3								6
Interpretations and Clarifications			4	4							8
RFI's	1		6	6							13
Construction Meetings/Observations				4	4						8
Review Shop Drawings				4	4						8
Final Walk Through	4										4
Record Drawing Review				6							6
TOTAL POST DESIGN SERVICES HOURS	**8**	**0**	**13**	**24**	**8**	**0**	**0**	**0**	**0**	**0**	**53**
TOTAL POST DESIGN SERVICES COST	**$1,664**	**$0**	**$2,899**	**$4,630**	**$888**	**$0**	**$0**	**$0**	**$0**	**$0**	**$10,081**

KISINGER CAMPO & ASSOCIATES, CORP.

Village of Estero
Miscellaneous Professional Services / CN 2020-01
Supplemental Task Authorization #3

HOURLY BILLING RATE SCHEDULE

Job Classification	Billing Rates*
PROJECT MANAGER 1	$208.00
CHIEF ENGINEER 1	$265.00
SENIOR ENGINEER 1	$223.00
ENGINEER 2	$192.93
DESIGNER	$111.00
ENGINEERING TECHNICIAN	$95.00
SENIOR ENVIRONMENTAL SPECIALIST	$138.00
ENVIRONMENTAL SPECIALIST	$87.00
VIZUALIZATION TECHNICIAN	$101.00

*Billing rates include salary, audited overhead, audited expenses and operating margin.

E.F. Gaines Surveying Services, Inc.
Project Fee Summary
Project Name: Williams Road / Atlantic Gulf Blvd Intersection

Task No.	Task Title	Principal Surveyor 135.00	Project Surveyor 105.00	Survey Tech 80.00	Admin Assistant 45.00	Field Tech 1-man 110.00	Field Crew 2-man 140.00	Field Crew 3-man 165.00	Fee
1.01	**Research / Project Preparation / Communication:** Prepare field and office project files. Communicate with client throughout project duration via emails and telephone calls. No on-site or in-office meetings with client are anticipated.	3.00	2.00	3.00	1.00				$900.00
2.01	**Field Surveying - Control:** • Two project benchmarks will be set (and noted on the survey) for use during the construction phase of the project. Obtain horizontal coordinates with RTK GPS and elevations with digital level based on published NGS Benchmarks. • Locate existing monumentation (R/W, centerline, property corners, section corners)	2.00	4.00		1.00		16.00		$2,975.00
2.02	**Field Surveying - Data Collection:** • Locate existing improvements such as edge of roadway pavement, striping, sidewalks, curbing, driveways, parking lots, parking space stripes, flag poles, culvert pipes, catch basins, swales, retaining walls, retention areas, trees, hedges, signs, fences, power poles, guy anchors, and above ground and visible evidence of utilities. • Obtain elevations at fifty foot intervals along with additional elevations as needed to reflect the existing terrain. • Locate soil borings and S.U.E. markings as performed by others.	1.00	3.00		1.00	24.00			$3,135.00
2.03	**Field Surveying - Structures:** • Obtain invert elevations, pipe sizes and meterials for sanitary sewer manholes, catch basins, drainage manholes, weirs, control structures.	1.00	2.00		1.00			8.00	$1,710.00
2.04	**Field Surveying - Review:** • Conduct a field review of completed Topographic Survey map to compare mapped features with existing conditions. Collect survey data for any additional items.	1.00	1.00	2.00	1.00	4.00			$885.00
3.01	**CAD Base Map / Surveys:** Provide signed and sealed copies of the Topographic Survey along with an AutoCAD drawing file (Civil 3D version 2018 or 2021), DTM surface file and an ASCII text file of point numbers, northings, eastings, elevations and descriptions (PNEZD).	4.00	8.00	24.00	1.00				$3,345.00
3.02	**Legal Descriptions & Sketches:** Provide up to six digitally signed PDF copies of Legal Descriptions and Sketches for property acquisition and/or easement acquisition purposes. ($825.00 each)	6.00	12.00	36.00					$4,950.00
	TOTAL HOURS	18.00	32.00	65.00	6.00	28.00	16.00	8.00	**$17,900.00**

E.F. Gaines Surveying Services, Inc.
Project Fee Summary
Project Name: Williams Road / Atlantic Gulf Blvd Intersection - Additional Services

Task No.	Task Title	Principal Surveyor 135.00	Project Surveyor 105.00	Survey Tech 80.00	Admin Assistant 45.00	Field Tech 1-man 110.00	Field Crew 2-man 140.00	Field Crew 3-man 165.00	Fee
4.01	**U.S. 41 & Williams Road Intersection:** • Locate improvements within the area shown on the Client's Survey Limits Exhibit (excludes opening manholes in driving lanes). Add the collected data to the survey base map.	1.00	2.00	4.00	1.00		6.00		$1,550.00
4.02	**Right-of-Way Survey:** • Prepare a Right-of-Way Survey for Williams Road within the project limits	24.00	24.00	36.00	6.00		36.00		$13,950.00
4.03	**Boundary Surveys (up to six):** • Provide Boundary Surveys for up to six parcels of land as may be needed for R/W acquisition purposes. This task will includes finding or setting corners, locating improvements, prearing digitally signed PDF copy of individual Boundary Surveys.	24.00	24.00	36.00	6.00		36.00		$13,950.00
	TOTAL HOURS	49.00	50.00	76.00	13.00	0.00	78.00	0.00	**$29,450.00**

EARTHVIEW

3494 Shearwater St
Naples, FL 34117
Phone: (239) 434-5200
Fax: (239) 435-7202

Proposal Submitted To: Kisinger Campo & Associates Inc

Date (MM/DD/YYYY) 03/09/2021

Street Address 13461 Parker Commons Blvd.

City Fort Myers

State FL

Zip Code 33912

Job Name Williams Road/Atlantic Blvd Intersection Improvements

Phone #

Job Location Williams Road & the entrance to Life Care Centers of Estero

Fax #

Sales Representative Randy Gilbert

Sales Representative Phone # 239 300 8106

Attention : Jesse E. Gill, PE

Description :

Earth View (EV) will locate utilities using Ground Penetrating Radar (GPR) and Radio Detection. (Paint and flag findings). Locates will take an estimated 4 hours. EV will locate WM, FM, RM and gas main adjacent to the intersection located in the project area and provide additional soft digs for elevation. Soft digs will be performed utilizing vacuum excavation. Customer has requested 8 soft dig areas.

*Proposal does not include flowable fill, milling or overlay. Soft digs within pavement limited to asphalt removal and cold patch.

SERVICE	RATE	UNIT	TOTAL
Ground Penetrating Radar (GPR)	$190/hour	4 hours	$760
**4-hour minimum required*			
Vacuum Excavation	$350/hole	8 holes	$2,800
**4-hole minimum required*			
**Restoration is limited to cold patch*			
		Estimate	$3,560

Disclaimer

Locating underground utilities is not an exact science. Therefore, Earth View, LLC ("EV") expresses no guarantees that using one of any of the available technologies for identifying utilities/structures will identify all utilities/structures and/or meet the objective of each individual project. By authorizing, it is understood that limitations within the available technology, the complexity of site conditions and circumstances beyond the control of EV may limit the performance/results of the EV services. The services provided by EV shall be performed in accordance with generally accepted professional practices as related to nature of services performed. EV cannot guarantee that all utilities within any given survey area will be identified as a result of inherent limitations with the technology and existing site conditions. The Project Owner and any of its subcontractors shall hold harmless and indemnify EV against any and all losses as a result of inability to locate or mislocate due to limitations within the available technology, the complexity of site conditions and circumstances beyond its control Hand digging is required in all situations when excavating within 24" of Earth View LLC markings.

Customer Signature (Print)	*Customer Signature*	*Date*
Randy Gilbert	Randy Gilbert	03/09/2021
EV Signature (Print)	*EV Signature*	*Date*

March 26, 2021

KISINGER CAMPO & ASSOCIATES
Attn: Mr. Jesse E. Gill, P.E.
13461 Parker Commons Blvd, Suite 104
Ft. Myers, FL 33912
Office: 239.278.5999
Cell: 239.898.9440
Email: JGill@kcaeng.com

Subject: Re-Revised Proposal for Geotechnical Services
WILLIAM ROAD & ATLANTIC GULF BOULEVARD INTERSECTION DESIGN
Village of Estero, Lee County, Florida 33928
Forge Engineering Proposal Number 137-008.01PRR

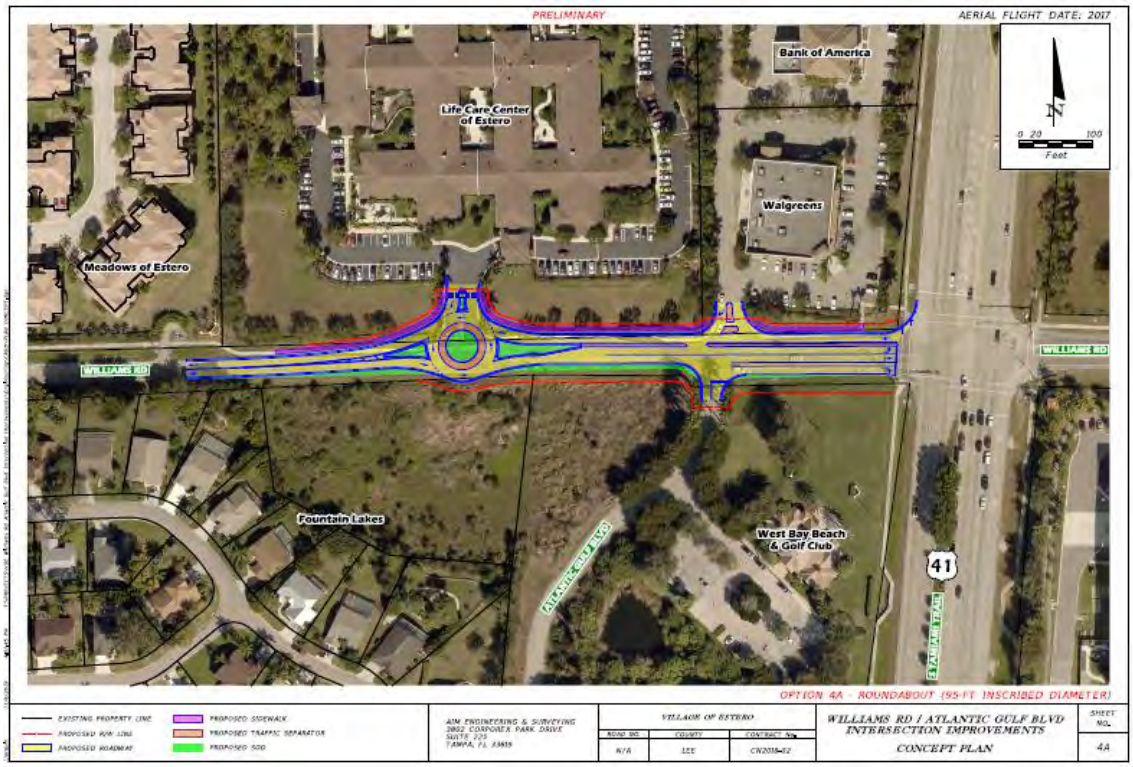
Forge Engineering Inc. (FORGE) is pleased to present this re-revised proposal as requested by you in email transmittals to Robert J. McGinnis, P.E., of our firm. Included in this proposal is the project information provided, the requested scope of services, our projected schedule, and our fee for these services.

Project Information

Our understanding of your needs on this project is based on the information provided by you which included the Village's project's scope of professional services, together with some assumptions that we have made based on our experience. We understand that part of your services includes improvements to the pavement section beginning at Tamiami Trail South and extending west approximately 0.18 miles along Williams Road to Atlantic Gulf Boulevard.

For the project, you have requested that FORGE provide a proposal to complete a geotechnical exploration for the proposed improvements to the existing roadway by completing shallow hand augers to gather site specific soil information. Additionally, to have requested Forge to complete four asphaltic concrete pavement cores.

We understand you would like pavement cores completed at 500-feet intervals in both the east and west bound lanes for a total of four (4) roadway pavement section cores. The shallow hand auger borings are at less than 100-foot intervals alternating between the north and south sides of the roadway for a total of 10 borings. Below is an aerial portraying the subject roadway and work area.



Proposed Scope of Services

Based on your request, we understand the following scope of service is requested of FORGE for this exploration.

<u>Geotechnical Exploration</u>

- Contacting Sunshine State One Call for utility locates as required by state law,
- Obtaining the required drilling permit and right of way permits, if required,
- Engaging a sub-contractor to provide the required MOT signage, as required,
- Drilling ten (10) hand auger soil borings to a maximum depth of five (5) feet,
- Obtain representative samples from soil borings,
- Obtaining an LBR sample,
- Completing muck probing, if required,
- Completing two small test pit excavations completed with hand tools to identify modeling/stripping properties to aid in identifying the seasonal high-water table,
- Visually stratifying the borings by a geotechnical engineer,
- Completing laboratory moisture content, organic content, grain size, and percent fines testing on selected soil samples,
- Analyzing the data,
- Writing an engineering report summarizing the findings and presenting our evaluation and recommendations for,
    - Boring logs representing the encountered subsurface material,
    - Boring location plan depicting the relative location of the tests,
    - Results of the laboratory testing, and LBR testing,
    - Description of the encountered soil/rock and groundwater, including estimated high season groundwater level,
    - Recommendations for monitoring and testing during construction.

PO Box 113040 ~ Naples, FL 34108 ~ 239.514.4100 ~ Fax 239.514.4161
www.ForgeEng.com

Asphaltic Concrete Pavement Cores

FORGE will provide subcontractor MOT services along with in house personnel and equipment necessary to complete soil borings and roadway cores. We will complete coring of the roadway section at four (4) separate locations split evenly between the eastbound and westbound lanes. This equates to one 6-inch diameter core at no more than 500-foot intervals on Williams Road. FORGE will extend the cores into the base and subbase material. The thickness of the asphalt pavement and limerock base will be measured and recorded by our field personnel.

Each of the core locations will be patched by tamping cold patch asphalt material in the core hole up to the top surface of the pavement. The core samples will be brought back to our laboratory at the end of our fieldwork for further analysis. Following completion of the fieldwork, we will compile the data gathered and present findings within our report of geotechnical exploration

Our fieldwork may result in some changes in the condition of the site. Although we will attempt to limit damage to the site, the costs of any restoration of the site or repair to utilities unknown to us will be invoiced to you in addition to the fee presented in this proposal.

The samples obtained during our study will be retained for a period of 120 days of the bid date, which is to be provided by you to FORGE. The scope of this work is for geotechnical services and not any form of environmental assessment. However, it will be our responsibility to notify you if we encounter soil or groundwater conditions that obviously appear to contain hazardous materials. It will be the responsibility of the owner to inform the appropriate regulatory authorities if hazardous materials are on the site.

Schedule

Based on our current schedule, we will initiate application of permit and underground utilities within five-working days of receiving and accepting your written authorization of this proposal and confirmation of the locations being surveyed. Once utility lines have been located and the required permits obtained, we will mobilize to the site within 10-working days. We anticipate the field work will be completed in five-working days.

We will issue a “draft” electronic copy of our written report to you within 20-working days following completion of our laboratory services. Our final report will subsequently be issued following your review and comment period. Please note that this proposal is only valid for a period of 60 days. Scheduling times and unit rates are subject to change beyond that period. ***Our schedule is subject to change based on directives of state and federal government in response to the declared national emergency.*** If this schedule does not meet your needs, please call us to discuss.

PO Box 113040 ~ Naples, FL 34108 ~ 239.514.4100 ~ Fax 239.514.4161
www.ForgeEng.com

Fee

Our services will be billed on a time and material basis. We will invoice you based on the following unit rates:

Hand Augers and Coring			
ITEM	**FEE**	**ESTIMATE**	**EXTENSION**
Coring Equipment	$150/day	1 days	$150
Asphalt Patch	$15/bag	2 bags	$30
MOT	$1,500/day	1 days	$1,500
MOT Permitting	$1,200	-	$1,200
Two-Man Coring/field Crew	$195/hour	12 hours	$2,340
LBR Test	$250/test	1/test	$250
Sieve Analysis with -200 wash	$125/test	4/tests	$500
Organic Test	$100/test	2/tests	$200
Staff Engineer	$125/hour	-	-
Project Engineer	$150/hour	4 hours	$600
		Subtotal	***$6,770***
Report Preparation			
ITEM	**FEE**	**UNITS**	**EXTENSION**
Staff Engineer	$125/hour	-	-
Project Engineer	$150/hour	16 hours	$2,400
Principal Engineer	$250/hour	3 hours	$750
		Subtotal	***$3,150***
		ESTIMATED TOTAL	**$9,920**

If additional services that not outlined above are requested, additional fees will be required. We will not exceed the subject amount without prior authorization from you.

We will submit an invoice monthly and/or at the completion of our scope of service. Each invoice is due within 10 days of receipt. Late payments will be invoiced at a rate of 1.5% per month, together with collection fees. We reserve the right to suspend services, as well as dispose of any documentation and/or samples that we have agreed to retain, in the event that your account becomes delinquent. In the event litigation is brought concerning this Agreement, to enforce the obligations under this Agreement, and/or to interpret the terms of this Agreement, the prevailing party in any such litigation shall be entitled to recover from the non-prevailing party its reasonable attorneys' fees, costs and expenses incurred in the litigation, including, but not limited to, attorneys' fees and costs incurred in litigating entitlement to attorneys' fees and costs and the amounts to be awarded, all through any level of appeal.

PO Box 113040 ~ Naples, FL 34108 ~ 239.514.4100 ~ Fax 239.514.4161
www.ForgeEng.com

Limit of Liability

We will maintain insurance coverage in effect during our scheduled duration of involvement with this project. All the services performed in this study will be governed by the applicable laws of the State of Florida. Forge Engineering Inc., its officers, directors, employees, partners, agents, and subconsultants' aggregate limit of liability on this project is $50,000 or our fee, whichever is greater. This limit applies to every legal theory or cause of action including negligence, errors, omissions, breach of contract, and warranty. This limit is enforceable to the fullest extent permitted by law. Should you desire to increase our limit of liability please contact us before signing this proposal.

PURSUANT TO FS SECTION 558.0035(1)(c) AN INDIVIDUAL EMPLOYEE OR AGENT OF FORGE MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Authorization

To authorize our services and to make this proposal the contract between us, please indicate your acceptance on the signature sheet of this proposal and return a copy to us for our files. We appreciate the chance to submit this proposal and look forward to working with you on the remainder of this project and future opportunity.

Sincerely,
FORGE ENGINEERING, INC.

Miguel Medrano
Miguel Medrano
Engineer Intern

Richard P. Lundberg
Richard P. Lundberg, P.E.
Senior Principal Engineer

Distribution: 1 – Addressee (via email)
1 – File

Proposal Accepted By:_____

Typed/Printed Name:_____

Firm Name:_____

Date:_____

PO Box 113040 ~ Naples, FL 34108 ~ 239.514.4100 ~ Fax 239.514.4161
www.ForgeEng.com

Task No	` RATES	Type	PLA	RATE x $140	SLA	RATE x $125	LA	RATE x $100	DES	RATE x $80	CADD	RATE x $65	ADM ASSIST	RATE x $50	Reimbur	TOTALS
1.00	Project Administration															**$2,440.00**
1.01	Kick off Meeting	NTE	2	$280.00		$0.00		$0.00		$0.00		$0.00	1	$50.00		$330.00
1.02	Progress Meetings (4)	NTE	8	$1,120.00		$0.00		$0.00		$0.00		$0.00	2	$100.00		$1,220.00
1.03	Stakeholders Meetings (3)	NTE	6	$840.00		$0.00		$0.00		$0.00		$0.00	1	$50.00		$890.00
2.0	PUBLIC INVOLVEMENT															**$2,940.00**
2.01	Design Public Meeting(1)	NTE	4	$560.00		$0.00		$0.00		$0.00		$0.00		$0.00		$560.00
2.02	Village Council Pres. (3)	NTE	9	$1,260.00		$0.00		$0.00		$0.00		$0.00		$0.00		$1,260.00
2.03	Small Group Meetings (3)	NTE	6	$840.00		$0.00		$0.00		$0.00		$0.00		$0.00		$840.00
2.04	Public Inquiries	NTE	2	$280.00		$0.00		$0.00		$0.00		$0.00		$0.00		$280.00
3.0	SURVEY															**$960.00**
	FIELD REVIEW	NTE	4	$560.00		$0.00	4	$400.00		$0.00		$0.00		$0.00		$960.00
9.0	ENVIRONMENTAL AND PERMITTING															**$1,000.00**
	TYPE D LDO	NTE	2	$280.00		$0.00	2	$200.00		$0.00	8	$520.00		$0.00		$1,000.00
12.0	Landscaping Analysis and Plans															**$6,980.00**
11.1	Landscape Analysis, Maintenance Report	NTE	1	$140.00		$0.00	6	$600.00		$0.00		$0.00	4	$200.00		$940.00
11.2	Staff Meeting	NTE	2	$280.00		$0.00		$0.00		$0.00		$0.00	1	$50.00		$330.00
11.3	Conceptual Design (60%)	NTE	2	$280.00	4	$500.00		$0.00		$0.00	4	$260.00		$0.00		$1,040.00
11.4	Irrigation Design (60%)	NTE	2	$280.00	2	$250.00		$0.00		$0.00	2	$130.00		$0.00		$660.00
11.5	Planting Design (90%) w/ details, notes, schedules	NTE	2	$280.00	4	$500.00		$0.00		$0.00	8	$520.00		$0.00		$1,300.00
11.6	Irrigation Design (90%)w/ details, notes, schedules	NTE	2	$280.00	4	$500.00		$0.00		$0.00	4	$260.00		$0.00		$1,040.00
11.7	Planting Design (100%)w/ details, notes, schedules	NTE	1	$140.00	1	$125.00		$0.00		$0.00	1	$65.00		$0.00		$330.00
11.8	Irrigation Design (100%)w/ details, notes, schedules	NTE	2	$280.00	1	$125.00		$0.00		$0.00	1	$65.00		$0.00		$470.00
11.9	Final Plans (signed Sealed)	NTE	2	$280.00		$0.00		$0.00		$0.00		$0.00		$0.00		$280.00
11.10	Specifications	NTE	1	$140.00	2	$250.00		$0.00		$0.00		$0.00	4	$200.00		$590.00
13.0	Bid Phase Services															**$1,195.00**
13.1	Bid Form Summaries & Pay Items	LS		$0.00	2	$250.00		$0.00		$0.00	2	$130.00		$0.00		$380.00
13.2	Pre Bid Conference	LS		$0.00	3	$375.00		$0.00		$0.00		$0.00	1	$50.00		$425.00
13.3	Addenda/Bid Review	NTE	1	$140.00	2	$250.00		$0.00		$0.00		$0.00		$0.00		$390.00
A/S	Water Use Permit															**$5,000.00**
	If applicable) Water Use Permit (DMJA To Sub)	NTE		$0.00		$0.00		$0.00		$0.00		$0.00		$0.00	$5,000.00	$5,000.00
	Totals		61	$8,540.00	25	$3,125.00	12	$1,200.00	0	$0.00	30	$1,950.00	14	$700.00	$0.00	**$20,515.00**

VILLAGE OF ESTERO, FLORIDA
VENDOR DISCLOSURE FORM

Project No.: CN 2020-01

Project Name: Miscellaneous Professional Services

Please check as appropriate:

_____ I am the sole proprietor/owner. The company is not publicly held.

X The company is not publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

_____ The company is publicly held.
The names and addresses of the owners having a greater than 5% interest is attached.

I do hereby certify that to the best of my knowledge and belief certify that the information above and attached is true and correct.

Signed: _____
Vendor

Printed Name Thomas J. Shaw, PE, Sr. VP/Director of Production

Company Name: Kisinger Campo & Associates, Corp.

Date: 5/22/20

NAMES & ADDRESSES OF OWNERS

NOTE: Please list individuals; the listing of a corporation(s) is **NOT** acceptable.

Michael Campo, PE; Sr. VP; PD&E Dept. Mgr.; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Nicole Campo, Sr. VP; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Paul Foley, PE; CEO/President; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Thomas Shaw, PE; Sr. VP/Director of Production; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

George (Dewey) Martin, PE; Senior Vice President; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Richard Harrison, PE; VP, Quality Engineering; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Patrick O'Grady, CBI; VP, Bridge Inspection; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Guillermo Madriz, PE; Structures Dept. Mgr.; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

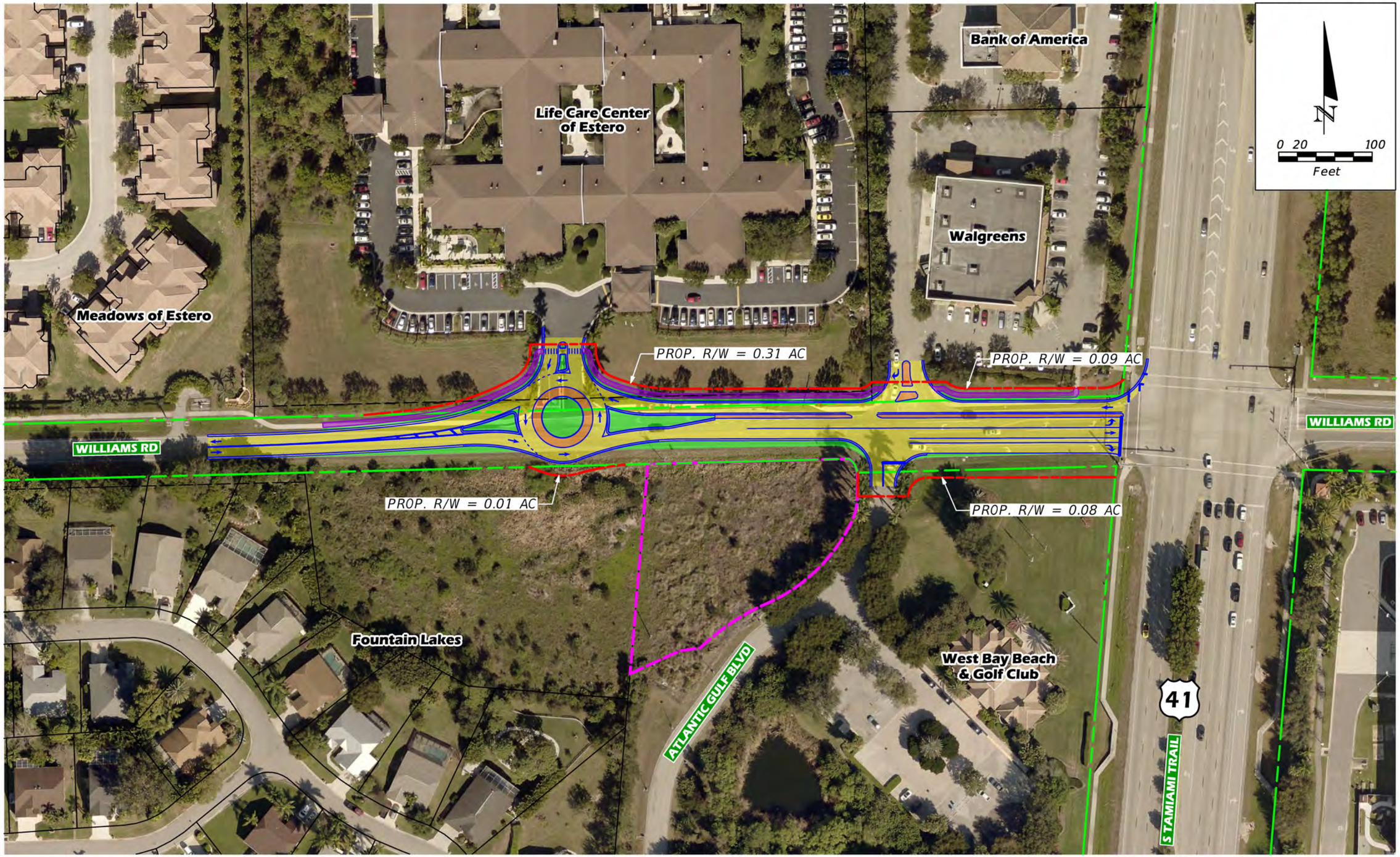
Thomas Presby, Roadway Dept. Mgr.; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

Sam Cullum, PE; NC Structures Department Manager; 301 Fayetteville Street, Suite 1500, Raleigh, NC 27601

Ronald Gott, Sr. VP/Secretary/Treasurer/CFO; 201 N. Franklin Street, Suite 400, Tampa, Florida 33602

PRELIMINARY

AERIAL FLIGHT DATE: 2017



OPTION 4A - ROUNDABOUT (95-FT INSCRIBED DIAMETER)

EXISTING PROPERTY LINE
EXISTING R/W LINE
EXISTING CONSERVATION EASEMENT
PROPOSED R/W LINE
PROPOSED ROADWAY
PROPOSED SIDEWALK
PROPOSED TRAFFIC SEPARATOR
PROPOSED SOD

AIM ENGINEERING & SURVEYING
3802 CORPOREX PARK DRIVE
SUITE 225
TAMPA, FL 33619

VILLAGE OF ESTERO		
ROAD NO.	COUNTY	CONTRACT No.
N/A	LEE	CN2018-02

WILLIAMS RD / ATLANTIC GULF BLVD INTERSECTION IMPROVEMENTS

CONCEPT PLAN

SHEET NO. 4A

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Williams Road & Atlantic Gulf Blvd. Intersection Improvement Project Management Contract – CW3.

Description:

To improve safety and traffic flow along Williams Road west of US 41, intersection improvements are required at Atlantic Gulf Blvd.

Village Council previously approved a concept design (attached) which includes closing the left turn out of Walgreens, extending the left turn lane at US 41 and installing a roundabout at the Estero Life Care Center entrance.

Agenda item 6b Resolution 2020-12 will increase the Fiscal Year 2020-2021 Budget for the proposed intersection improvements to $575,500.

CW3 Engineering provided project management services to the conceptual design of the intersection improvement. Village Staff is recommending the Village hire CW3 Engineering to also provide project management services for the design and permitting for the Williams Rd & Atlantic Gulf Blvd. Intersection Improvement project. Having CW3 manage this project will allow the public works director to focus on other projects.

Action Requested:

Approve award of Supplemental Task Authorization (STA) 06 to Contract EC 2020-48 to CW3 Engineering under the Village's Misc. Service Contract CN 2020-01 in the amount of $54,000.

Also approve a contingency fund amount of $5,400 (an amount equal to 10% of the total project cost) to cover unforeseen circumstances which may occur.

Authorize the Village Manager to execute the STA and any other related ancillary documents on behalf of the Village of Estero Council.

Financial Impact:

Fiscal impact is $59,400 which included the contract amount of $54,000 plus a 10% contingency of $5,400.

The Fiscal Year 2020-2021 CIP budget for The Williams Road & Atlantic Gulf Blvd. intersection improvement is $300,000. The proposed Resolution 2021-12 will increase the funds available fund to $575,500.

Attachments:

1. CW3 Engineering Contract
2. Vendor Disclosure
3. Williams Road Concept

EXHIBIT A - CN2020-01 Miscellaneous Professional Services
STA6 – Williams Rd./Atlantic Gulf Blvd. Intersection Improvements

Scope of Services
For
The Village of Estero
February 9, 2021

OBJECTIVE

The Village of Estero desires to hire a consultant to fill the role of Public Works Project Manager. The position will provide project management and engineering support services on the project.

SCOPE OF WORK

The consultant, **CW3 Engineering, Inc.**, will provide project management and engineering support services to the Village of Estero for the Williams Rd./Atlantic Gulf Blvd. Intersection Improvements project as assigned by the Public Works Director. Anticipated services could include, but are not limited to, those noted below.

1) *Project Management*
- a. Coordinate Scope, Negotiate Fees with Selected Design Consultant
- b. Coordinate and Manage Selected Design Consultant Through Design/Permitting
- c. Coordinate with the Public/Private Property Owners
- d. Review project plans, applications and reports
- e. Review/Maintain Project Schedule
- f. Review Bids

2) *Interim Design Services*
- a. Prepare design exhibit on aerial background for the installation of flexible stakes on Williams Rd. in attempt to further prohibit the left turning movements from southbound to eastbound Williams Road from the Walgreen's plaza.
- b. Prepare design exhibit on aerial background for sign installation of up to 9 signs to direct vehicles within the commercial property north of Williams Road to exit north of the 7-11 to access US41 or to head west on Williams Road.
- c. Conduct up to two site visits to review project site and existing conditions.
- d. Prepare Village of Estero LDO permit submittal. Application fees to be paid by the Village of Estero.

3) *Meetings (To be conducted at Village Offices)*
- a. Attend Project Design Kick-off Meeting
- b. Attend one meeting with VOE staff for Interim Design Improvements noted in Item 2.
- c. Attend monthly meetings with the selected design consultant (Assume 12 meetings)

d. Attend misc design updates with the Public Works Director (Assume 4 meetings)
e. Attend Village Council Meetings (Assume 2 meetings)
f. Attend Private Property Owner Meetings (Assume 12)
g. Site Visits/Existing Conditions Review/Plan Submittal Review (Assume 2 meetings)
h. Meet with Public Utilities (Assume 2 meetings)
i. Attend SFWMD/USACOE meetings (Assume 3 meetings)
j. Attend Public Information Meetings (Assume 1 meetings)
k. Attend FDOT Coordination Meeting (Assume 1 meeting)
l. Attend LCDOT (Signals) Meeting (Assume 1 meeting)
m. Attend Pre-Bid

CONTRACT DURATION

The consultant's contract duration will be for 18 months, beginning on the date of the issued Notice to Proceed from the Village of Estero.

COMPENSATION

Consultant will provide services on an hourly as needed basis. Contract amount is not to exceed $54,000.00. This includes all reimbursable expenses.

CW3 Engineering, Inc.

Signed by: _____

Printed Name: Clair Wright, III

Title: President

Date: _____

Village of Estero

Signed By: _____

Printed Name: Steve Sarkozy

Title: Village Manager

Date: _____

Williams Rd./Atlantic Gulf Blvd. Intersection Improvements
Man Hour Estimation per Task
Prepared by

CW3 Engineering, Inc.

		Unit	Qty.	Hours	Total Hours	Comments
Task I	**Project Management**					
Task I.A	Coordinate Scope/Fees w/ Design Consultant	LS	1	8	8	
Task I.B	Manage Design Consulant Design/Permitting	LS	1	96	96	2hrs/week/12mo
Task I.C	Coordinate with Public/Private Property Owners	LS	1	12	12	mtgs separate. See below.
Task I.D	Review Plans/Applications/Reports	LS	1	48	48	4 submittals x 8hrs each + 4rpts @ 3hrs + 4LDO review
Task I.E	Review/Maintain Project Schedule	LS	1	6	6	
Task I.F	Review Bids	LS	1	4	4	
				Project Management Sub-Total	**174**	
Task II	**Interim Design Services**					
Task II.A	Williams Rd. Flex Stakes Design Exhibit	LS	1	8	8	Use LC Survey (No Additional Survey Anticipated)
Task II.B	Sidestreet Sign(s) Design Exhibit	LS	1	12	12	
Task II.C	Site Visits	EA	2	4	8	
Task II.D	LDO Permit Preperation/Submittal	LS	1	24	24	
				Interim Design Services Sub-Total	**52**	
Task III	**Meetings**					
Task III.A	Design Kick-off Meeting	EA	1	3	3	Includes prep
Task III.B	Interim Design Meeting w/ VOE	EA	1	3	3	Includes prep
Task III.C	Monthly Status Meetings with Consultant	EA	12	2	24	
Task III.D	Public Works Director Misc Meetings	EA	4	2	8	
Task III.E	VOE Council Meetings	EA	2	4	8	
Task III.F	Private Property Owner meetings	EA	12	3	36	
Task III.G	Plan Submittal/Site Visits	EA	2	3	6	
Task III.H	Public Utilities Meetings	EA	2	2	4	
Task III.I	SFWMD/USACOE Meetings	EA	3	2	6	
Task III.J	Public Information Meetings	EA	1	10	10	
Task III.K	FDOT Coordination Meetings	EA	1	3	3	
Task III.L	LCDOT Signals Meeting	EA	1	3	3	
Task III.M	Pre-Bid	EA	1	2	2	
				Meetings Sub-Total	**116**	
	GRAND TOTAL			**342**	**Hours**	

Williams Rd./Atlantic Gulf Blvd. Intersection Improvements
Design Fee per Task
Prepared by

CW3 Engineering, Inc.

Task No.	Task Title	Principal Engineer $210.00	Project Manager $180.00	Senior Design Engineer $160.00	Design Engineer (PE) $145.00	Design Engineer $130.00	CAD Designer $130.00	CAD Technician $115.00	Total (Hours)	Total Consultant Fee
Task I	**Project Management**			174					174	$27,840.00
Task II	**Interim Design Services**			28			24		52	$7,600.00
Task III	**Meetings**			116					116	$18,560.00
Totals		0	0	318	0	0	24	0	342	$54,000.00

VILLAGE OF ESTERO, FLORIDA
VENDOR DISCLOSURE FORM

Project No.: CN 2020-01

Project Name: Miscellaneous Professional Services

Please check as appropriate:

X	I am the sole proprietor/owner. The company is not publicly held.
_____	The company is not publicly held. The names and addresses of the owners having a greater than 5% interest is attached.
_____	The company is publicly held. The names and addresses of the owners having a greater than 5% interest is attached.

I do hereby certify that to the best of my knowledge and belief certify that the information above and attached is true and correct.

Signed: _____
Vendor

Printed Name Clair Wright, III, P.E.

Company Name: CW3 Engineering, Inc.

Date: 05/28/2020

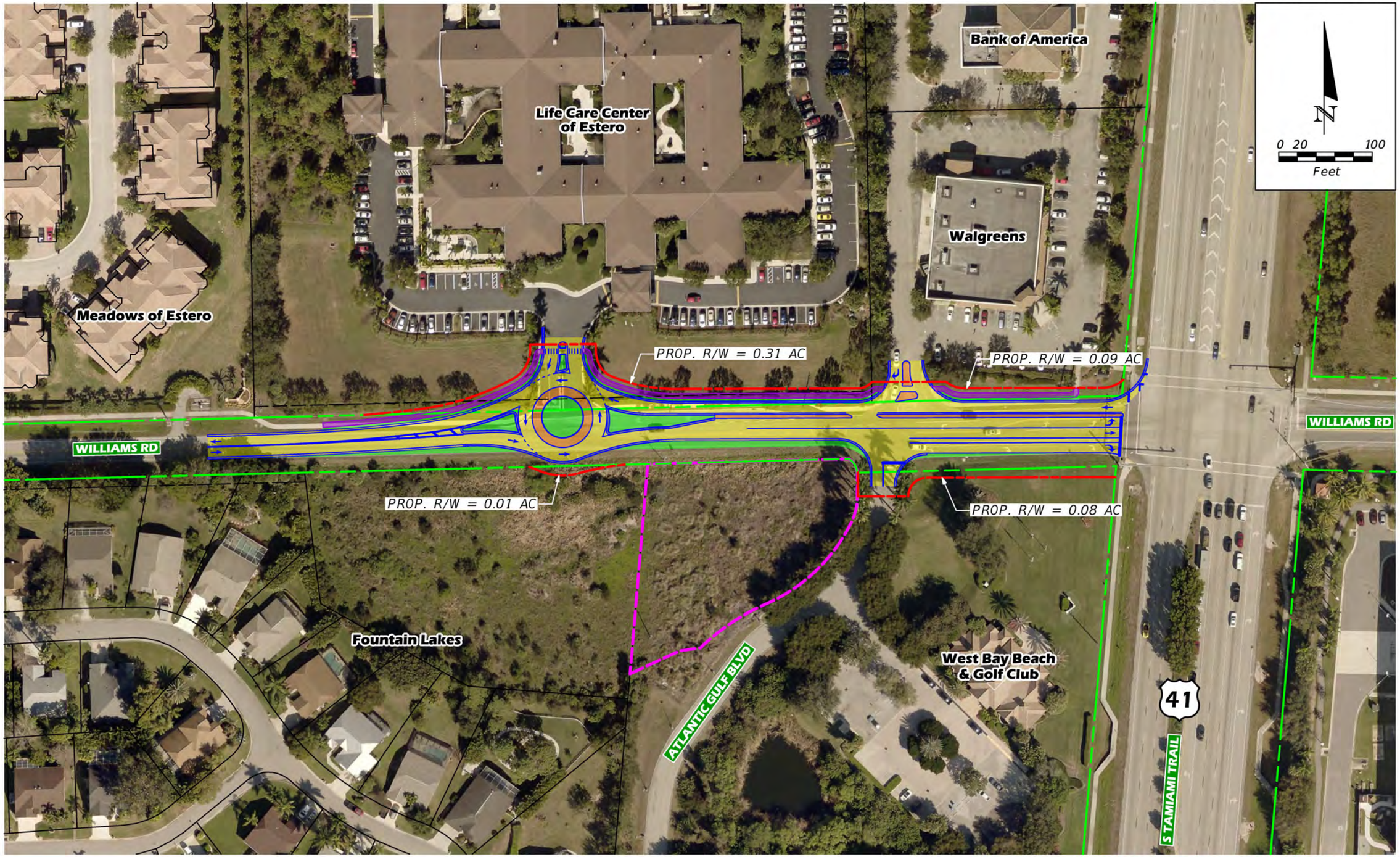
NAMES & ADDRESSES OF OWNERS

NOTE: Please list individuals; the listing of a corporation(s) is **NOT** acceptable.

Clair Wright, III, P.E. - 8500 Dosonte Lane, North Ft. Myers, FL 33917

PRELIMINARY

AERIAL FLIGHT DATE: 2017



OPTION 4A - ROUNDABOUT (95-FT INSCRIBED DIAMETER)

EXISTING PROPERTY LINE
EXISTING R/W LINE
EXISTING CONSERVATION EASEMENT
PROPOSED R/W LINE
PROPOSED ROADWAY
PROPOSED SIDEWALK
PROPOSED TRAFFIC SEPARATOR
PROPOSED SOD

AIM ENGINEERING & SURVEYING
3802 CORPOREX PARK DRIVE
SUITE 225
TAMPA, FL 33619

VILLAGE OF ESTERO		
ROAD NO.	COUNTY	CONTRACT No.
N/A	LEE	CN2018-02

WILLIAMS RD / ATLANTIC GULF BLVD INTERSECTION IMPROVEMENTS

CONCEPT PLAN

SHEET NO. 4A

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Fiscal Year 2020-2021 Water Monitoring Contract – Johnson Engineering

Description:

The Village's Stormwater Master Plan includes recommendations to obtain additional water monitoring data to better understand water levels and water quality around Estero and improve the accuracy of stormwater models.

The proposed contract with Johnson Engineering includes the following:

- Five Water Quality Monitoring Sites
- Four flow measurement sites
- Download data from seven surface water monitoring wells
- Download data from two United States Geological Survey
- Prepare Annual Monitoring Report

Action Requested:

Approve award of Supplemental Task Authorization 06 to Contract EC 2020-32 to Johnson Engineering to provide water monitoring services for The Village of Estero for $41,352.

Approve a 10% contingency for additional services that may be required to complete the project.

Authorize the Village Manger to sign the STA and other additional implementing documents within the scope of the STA on behalf of the Village of Estero Council.

Financial Impact:

The project's financial impact is $45,500 ($41,352 plus 10% contingency). This will be funded by the $130,000 included in the Village's Fiscal Year 2020-2021 Annual Budget for water level & water quality monitoring.

Attachments:

1. Contract (including location maps)
2. Ownership Disclosure Document

VILLAGE OF ESTERO

CN 2020-01 MISCELLANEOUS PROFESSIONAL SERVICES

SUPPLEMENTAL TASK AUTHORIZATION NO. 07

PROJECT NAME: WATER QUALITY MONITORING ASSISTANCE

CONSULTANT: JOHNSON ENGINEERING, INC.

In accordance with the Agreement between Village of Estero and Johnson Engineering, Inc., the parties agree as follows:

REQUESTED BY: Village of Estero

DATE OF REQUEST: February 25, 2021

Upon the completion and execution of this Supplemental Task Authorization by both parties, the Consultant is authorized to and shall proceed with the following:

EXHIBIT A: STATEMENT OF WORK
Attached hereto and made a part of this Supplemental Task Authorization.

EXHIBIT B: PRICING PROPOSAL
Attached hereto and made a part of this Supplemental Task Authorization.

VILLAGE OF ESTERO

By:_____
Steve Sarkozy, Village Manager

JOHNSON ENGINEERING, INC.

By:_____
Lonnie V. Howard, President

Date Approved_____

EXHIBIT A

CN 2020-01 MISCELLANEOUS PROFESSIONAL

SERVICES STATEMENT OF WORK

FOR: STA-07 – WATER MONITORING

A. PROJECT OVERVIEW

Johnson Engineering, Inc. ("CONSULTANT") shall provide water monitoring assistance to The Village of Estero (Village). The Village desires to implement a water resource monitoring program. The program will improve the Village's understanding of its water resources. The data can be used to help guide future actions/programs by the Village. The water quality parameters follow those measured by Lee County to allow direct comparisons.

B. SCOPE OF SERVICES

TASK 1: Monthly Water Quality and Flow Monitoring

CONSULTANT will conduct monthly surface water sampling at five (5) water quality monitoring locations shown on the attached Water Quality Monitoring Location Map from April 1, 2021 through September 30, 2021. The sampling will be conducted on the same day that Lee County will be sampling nearby locations. Sampling will be conducted at each location where water is at least a foot deep. One (1) field blank sample will also be collected each quarter. CONSULTANT will record field measurements of temperature, pH, specific conductance, dissolved oxygen, and turbidity at each location. CONSULTANT will collect the samples in accordance with proper Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP). CONSULTANT will prepare a Chain-Of-Custody (COC) for the samples and deliver them to a state certified laboratory following proper COC procedures in adherence to established hold times. The samples will be laboratory analyzed for bacteria, nutrients, metals, and other parameters. Velocity measurements will be recorded at each sample location where applicable. In addition, CONSULTANT will record surface water velocity, water depth, and channel area as needed to calculate flow at four (4) sites labeled on the attached Flow Monitoring Location Map. Velocity and depth at the HC@WR site will be recorded hourly by a Doppler flowmeter installed in a culvert below the bridge, which will be downloaded as part of this task.

TASK 2: Quarterly Surface Water Level Downloading

Each quarter, the CONSULTANT will download the seven (7) surface water monitor wells shown on the attached Water Level Monitoring Location map. CONSULTANT will also download the BaroTroll as part of this task. Flow data from two (2) United States Geological Society (USGS) sites shown on the Flow Monitoring Location Map will be downloaded from USGS. Water level, flow, and water quality data from Lee County sites in Village will be downloaded from Lee County. CONSULTANT will manage and prepare charts of the data in Excel.

TASK 3: Annual Water Monitoring Report

CONSULTANT will prepare a short monitoring report covering the data collection through September 2021. The report will summarize the data collected using tables and charts. It will also provide a comparison of the Village water quality data to the nearby Lee County water quality data.

C. SCHEDULE

Upon notice to proceed by Village, monitoring will be for the period beginning April 1, 2021 through September 30, 2021.

D. COMPENSATION

The fees for Task 1 through 3 will be Lump Sum and the Subconsultant will be billed on a Time & Materials basis. Total not to exceed $41,352.00 and based upon the Consultant's Hourly Rate Sheet incorporated into Exhibit B attached hereto.

For services provided and performed by CONSULTANT for providing and performing the Task(s) set forth and enumerated in Exhibit A entitled "Scope of Services", the OWNER shall compensate the CONSULTANT as follows:

TASK	**ITEM**	**AMOUNT** (Estimated if T&M)	**FEE TYPE** (LS; T&M)
1	Monthly Water Quality and Flow Monitoring (April 2021 through Sept 2021)*	$16,020.00	LS
2	Quarterly Surface Water Level Download (2 quarters)**	$ 3,880.00	LS
3	Annual Report (1 year)	$ 4,400.00	LS
TOTAL COMPENSATION FOR CONSULTANT'S SERVICES:		**$24,300.00**	**LS**

* to be billed at $2,670 per month

** to be billed at $1,940 per quarter

For services of CONSULTANT's Sub-Consultants engaged to perform or furnish services, the OWNER shall compensate the CONSULTANT as follows:

TASK	**SUB-CONSULTANT**	**AMOUNT** (Estimated if T&M)	**FEE TYPE** (LS; T&M)
SUB	Cost for lab analysis of the samples is estimated at $536 per sample x (5 samples for 6 monthly events + 1 field blank sample for 2 quarterly events.***	$17,052.00	T&M
TOTAL COMPENSATION FOR SUB-CONSULTANT'S SERVICES:		**$17,052.00**	T&M

*** Estimated at $2,842.00 per month

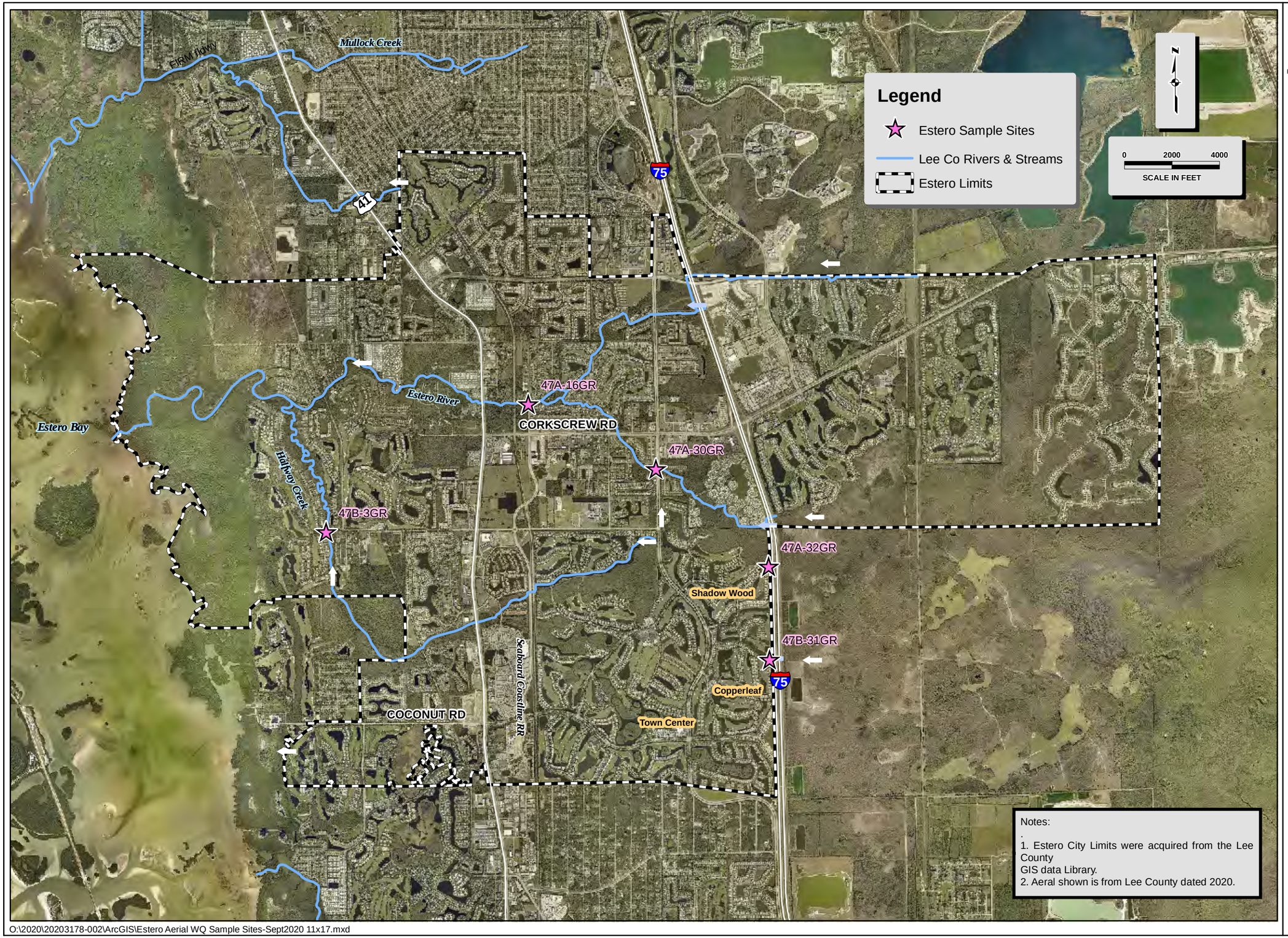
TOTAL COMPENSATION, INCLUDING SUB-CONSULTANTS:	**$41,352.00**	**LS; T&M**

JOHNSON ENGINEERING

Exhibit B
PROFESSIONAL SERVICES
HOURLY RATE SCHEDULE
November 1, 2017

Professional	
9	$230
8	$210
7	$190
6	$170
5	$150
4	$135
3	$125
2	$110
1	$100
Technician	
6	$140
5	$120
4	$100
3	$85
2	$70
1	$60
Administrative	
3	$80
2	$70
1	$60
Field Crew	
4-Person	$200
3-Person	$170
2-Person	$135
Equipment	
StarVac Truck	$120
Hydrographic Survey Equipment	$100
20' Skiff	$20
Jon Boat	$10
Other Equipment on Separate Schedule	
Expert Witness	$275
Reimbursable Expenses and Sub-Consultants	Cost + 10%

Construction Engineering and Inspection (CEI) Services	
CEI Services Manager	$160
CEI Senior Project Administrator	$140
CEI Project Administrator	$125
Contract Support Specialist	$110
Senior Inspector	$100
CEI Inspector III	$90
CEI Inspector II	$80
CEI Inspector I	$70
Compliance Specialist	$80
CEI Inspector's Aide	$60



O:\2020\20203178-002\ArcGIS\Estero Aerial WQ Sample Sites-Sept2020 11x17.mxd

JOHNSON ENGINEERING
JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
P.O. BOX 1550
FORT MYERS, FLORIDA 33902-1550
PHONE (239) 334-0046
FAX (239) 334-3661
E.B. #642 & L.B. #642

The Village of ESTERO

WATER QUALITY MONITORING
VILLAGE OF ESTERO

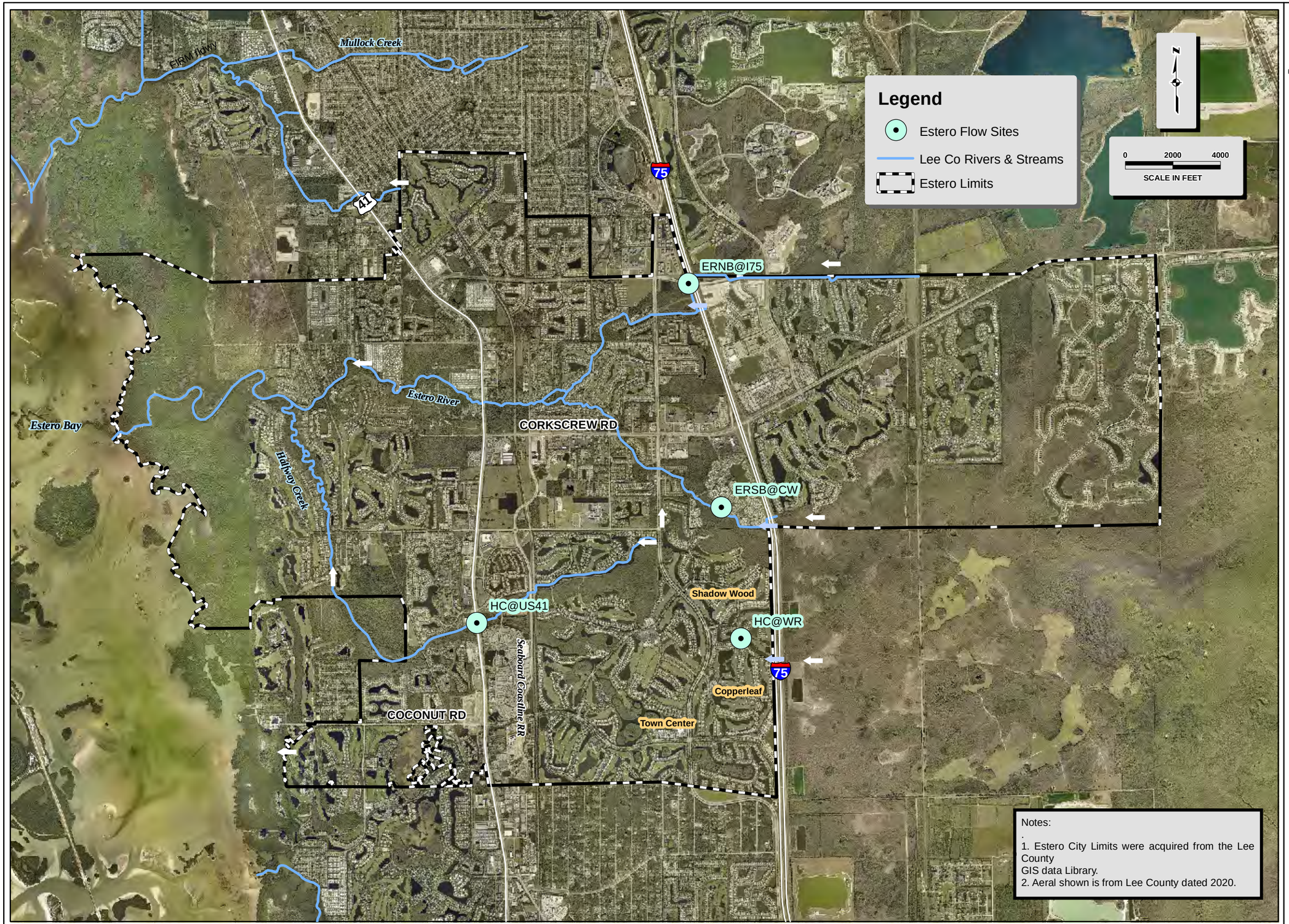
REVISIONS

NO.	DESCRIPTION	DATE

DATE:	September 2020
PROJECT NO.	20203178-002
FILE NO.	00-00-00
SCALE:	As Shown

WATER QUALITY MONITORING LOCATION MAP

SHEET NUMBER
1



Notes:
.
1. Estero City Limits were acquired from the Lee County
GIS data Library.
2. Aeral shown is from Lee County dated 2020.

O:\2020\20203178-002\ArcGIS\Estero Aerial Flows_Sept 2020 11x17.mxd

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E.B. #642 & L.B. #642

the Village of ESTERO

FLOW MONITORING
VILLAGE OF ESTERO

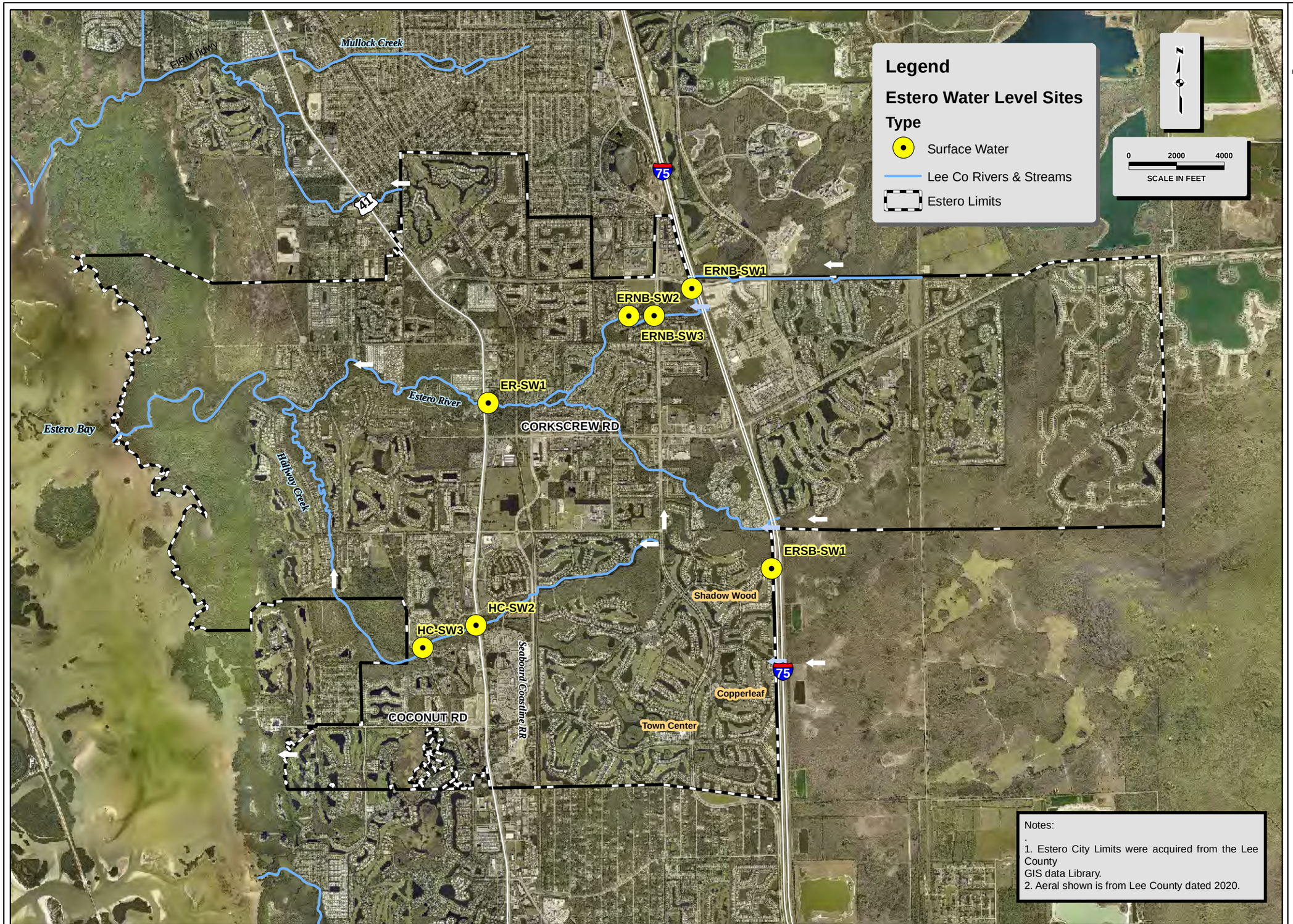
REVISIONS

NO.	DESCRIPTION	DATE

DATE:	September 2020
PROJECT NO.	20203178-002
FILE NO.	00-00-00
SCALE:	As Shown

FLOW MONITORING LOCATION MAP

SHEET NUMBER
3



Notes:
.
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2. Aeral shown is from Lee County dated 2020.

O:\2020\20203178-002\ArcGIS\Estero Aerial Water Levels-Sept2020 11x17.mxd

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FAX (239) 334-3661
E.B. #642 & L.B. #642

the Village of ESTERO

WATER LEVEL MONITORING
VILLAGE OF ESTERO

REVISIONS

NO.	DESCRIPTION	DATE

DATE:	September 2020
PROJECT NO.	20203178-002
FILE NO.	00-00-00
SCALE:	As Shown

WATER LEVEL MONITORING LOCATION MAP

SHEET NUMBER

2

VILLAGE OF ESTERO, FLORIDA
VENDOR DISCLOSURE FORM

Project No.: CN 2020-01

Project Name: Village of Estero Miscellaneous Professional Services

Please check as appropriate:

_____	I am the sole proprietor/owner. The company is not publicly held.
X	The company is not publicly held. The names and addresses of the owners having a greater than 5% interest is attached.
_____	The company is publicly held. The names and addresses of the owners having a greater than 5% interest is attached.

I do hereby certify that to the best of my knowledge and belief certify that the information above and attached is true and correct.

Signed: _____
Vendor

Printed Name: Michael Dickey, PE

Company Name: Johnson Engineering, Inc.

Date: May 28, 2020

NAMES & ADDRESSES OF OWNERS

NOTE: Please list individuals; the listing of a corporation(s) is **NOT** acceptable.

Andrew D. Tilton	14.9%	2122 Johnson Street, Fort Myers, FL 33901
Kevin M. Winter	14.7%	2122 Johnson Street, Fort Myers, FL 33901
Lonnie V. Howard	13.6%	2122 Johnson Street, Fort Myers, FL 33901
Michael S. Dickey	8.5%	2122 Johnson Street, Fort Myers, FL 33901
Ryan K. Bell	7.3%	2122 Johnson Street, Fort Myers, FL 33901
Dana L. Hume	7.3%	2122 Johnson Street, Fort Myers, FL 33901
Matthew M. Howard	5.9%	2122 Johnson Street, Fort Myers, FL 33901
Michael L. Lohr	3.2%	2122 Johnson Street, Fort Myers, FL 33901
Paul D. Persons	2.7%	2122 Johnson Street, Fort Myers, FL 33901
Kimberly K. Arnold	2.4%	2122 Johnson Street, Fort Myers, FL 33901
Christopher D. Beers	2.4%	2122 Johnson Street, Fort Myers, FL 33901
Laura B. Herrero	2.4%	2122 Johnson Street, Fort Myers, FL 33901
James V. Lofton	2.4%	2122 Johnson Street, Fort Myers, FL 33901
Debra L. Pendlebury	2.4%	2122 Johnson Street, Fort Myers, FL 33901
David B. Trouteaud	2.4%	2122 Johnson Street, Fort Myers, FL 33901
John O. Curtis	1.8%	2122 Johnson Street, Fort Myers, FL 33901
Laura S. DeJohn	1.8%	2122 Johnson Street, Fort Myers, FL 33901
Joshua J. Hildebrand	1.8%	2122 Johnson Street, Fort Myers, FL 33901
Erik L. Howard	1.8%	2122 Johnson Street, Fort Myers, FL 33901

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Resolution 2021-08 vacating a portion of a drainage easement in Shadow Wood at the Brooks adjacent to the clubhouse expansion.

Description:

Shadow Wood Country Club, Inc. has requested Council approval to vacate the public interest in a portion of a drainage easement located south of Oakwilde Blvd and west of Ciderberry Drive. The vacation is being requested to construct an expansion to the clubhouse. The existing drainage easement is for a storm sewer which has already been relocated outside the footprint of the club house expansion.

The vacation of easement has been reviewed by staff for technical requirements under the Land Development Code, and Florida Statutes, and has also been reviewed by the Village attorney. The vacation of easement complies with those requirements.

Action Requested:

Approve

Financial Impact:

none

Attachments:

1. Resolution
2. Staff report

VILLAGE OF ESTERO, FLORIDA

RESOLUTION NO. 2021 – 08

A RESOLUTION OF THE VILLAGE OF ESTERO, FLORIDA, VACATING A PORTION OF A DRAINAGE EASEMENT OF THAT PART OF THE PLAT FOR SHADOW WOOD AT THE BROOKS UNIT ONE, ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 61, PAGE 38, PUBLIC RECORDS OF LEE COUNTY, FLORIDA, LYING AND BEING IN SECTIONs 3 AND 10, TOWNSHIP 47 SOUTH, RANGE 25 EAST, VILLAGE OF ESTERO, LEE COUNTY, FLORIDA; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Shadow Wood Country Club, Inc., the owner of a drainage easement within the plat for Shadow Wood at the Brooks Unit One has requested the Village vacate that portion of the plat described herein (VAC2021-E001); and

WHEREAS, the easement is located adjacent to the original clubhouse and within a clubhouse expansion; and

WHEREAS, the storm sewer which was located in the easement has been removed and relocated to a nearby and more appropriate location in the subdivision; and

WHEREAS, the Village Council finds that the easement described herein no longer serves a public purpose, because there is an alternative location for the storm sewer, and this is a proper subject for vacation pursuant to Chapter 177, Florida Statutes; and

WHEREAS, the public notice of said application was published and evidence thereof given, as required by law; and

WHEREAS, the Village Attorney has reviewed the vacation and finds that it meets the technical requirements of the Florida Statutes; and

WHEREAS, the Village held a duly advertised public hearing prior to the adoption of this Resolution; and

NOW, THEREFORE, be it resolved by the Village Council of the Village of Estero:

Section 1. The above recitals are true and correct and are incorporated herein by this reference.

Section 2. The Village Council hereby vacates that portion of a drainage easement on the plat of Shadow Wood at the Brooks Unit One as described in Exhibit "A" attached hereto.

Section 3. This Resolution shall take effect immediately upon adoption.

ADOPTED BY THE VILLAGE COUNCIL of the Village of Estero, Florida this 7th day of April, 2021.

Attest: **VILLAGE OF ESTERO, FLORIDA**

By: _____
Carol Sacco, Village Clerk

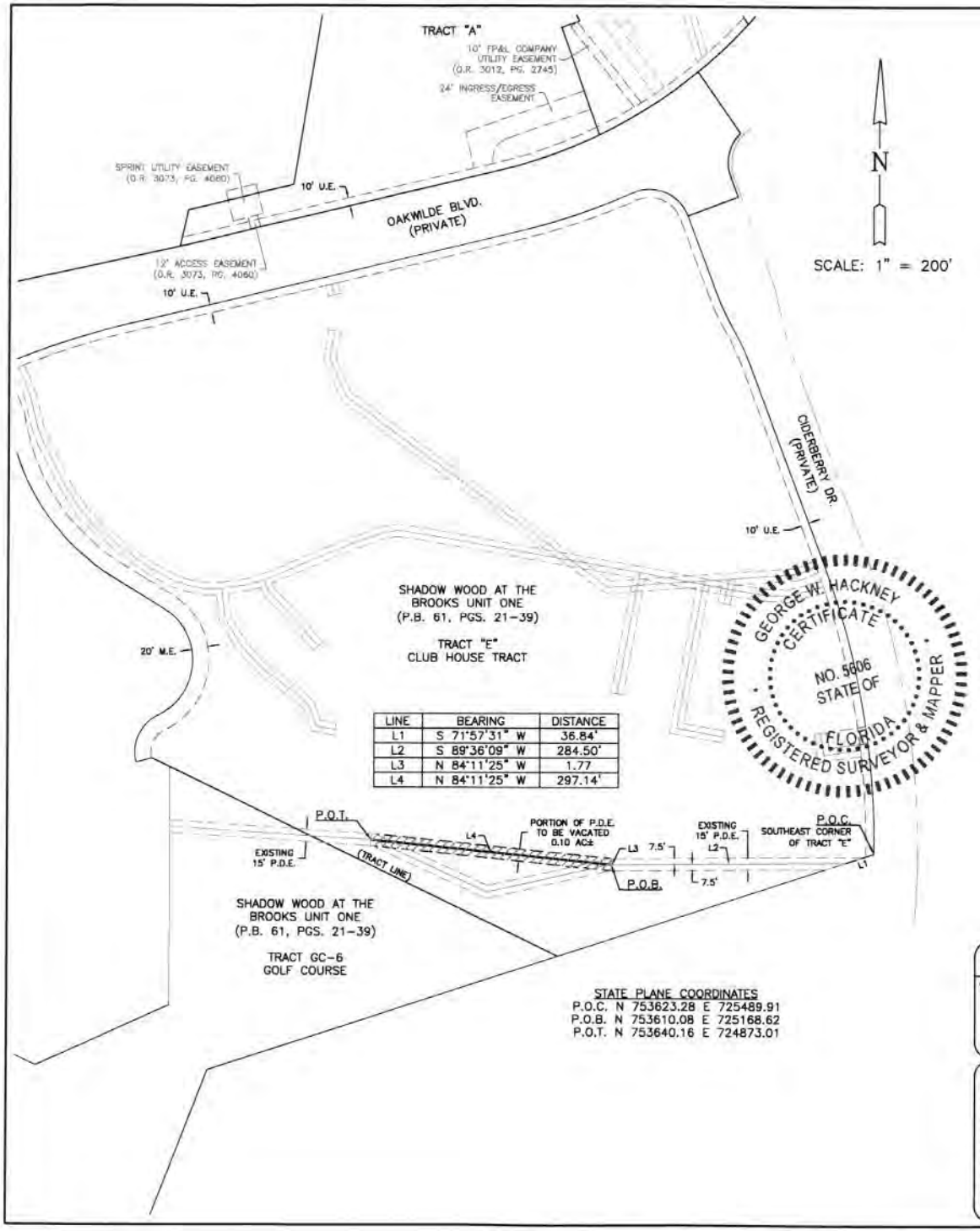
By: _____
Katy Errington, Mayor

Reviewed for legal sufficiency:

By: _____
Burt Saunders, Esq., Village Attorney

Exhibits:
A. Legal Description

EXHIBIT A



LINE	BEARING	DISTANCE
L1	S 71°57'31" W	36.84'
L2	S 89°36'09" W	284.50'
L3	N 84°11'25" W	1.77
L4	N 84°11'25" W	297.14'

STATE PLANE COORDINATES
P.O.C. N 753623.28 E 725489.91
P.O.B. N 753610.08 E 725168.62
P.O.T. N 753640.16 E 724873.01

LEGAL DESCRIPTION OF PORTION OF PRIMARY DRAINAGE EASEMENT TO BE VACATED

ALL THAT PART OF TRACT "E", SHADOW WOOD AT THE BROOKS UNIT ONE, AS RECORDED IN PLAT BOOK 61, PAGES 21-39, PUBLIC RECORDS OF LEE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID TRACT "E"; THENCE ALONG THE SOUTH LINE OF SAID TRACT "E" S 71°57'31" W A DISTANCE OF 36.84 FEET TO THE CENTERLINE OF THE 15.00 FOOT WIDE PRIMARY DRAINAGE EASEMENT OF SAID PLAT, SAID EASEMENT LYING 7.50 FEET ON EITHER SIDE OF SAID CENTERLINE; THENCE LEAVING SAID SOUTH LINE S 89°36'09" W ALONG SAID CENTERLINE A DISTANCE OF 284.50 FEET; THENCE CONTINUING ALONG SAID CENTERLINE N 84°11'25" W A DISTANCE OF 1.77 FEET TO THE POINT OF BEGINNING OF THE CENTERLINE OF THE PRIMARY DRAINAGE EASEMENT TO BE VACATED;

THENCE N 84°11'25" W ALONG SAID CENTERLINE A DISTANCE OF 297.14 FEET TO THE POINT OF TERMINUS OF THE CENTERLINE HEREIN DESCRIBED.

CONTAINING A TOTAL AREA OF APPROXIMATELY 0.10 ACRES.

GENERAL NOTES:

1. DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.

2. BEARINGS AND COORDINATES ARE BASED ON THE FLORIDA STATE PLANE GRID, EAST ZONE, 83/90 ADJUSTMENT.

3. P.O.C. = POINT OF COMMENCEMENT.
P.O.B. = POINT OF BEGINNING.
P.O.T. = POINT OF TERMINUS.
P.D.E. = PRIMARY DRAINAGE EASEMENT.
U.E. = UTILITY EASEMENT.

PREPARED FOR THE BENEFIT OF: SHADOW WOOD COUNTRY CLUB INC.

George W. Hackney

GEORGE W. HACKNEY, PSM 5606

NOT A SURVEY

for: SHADOW WOOD COUNTRY CLUB INC.

title: SKETCH AND DESCRIPTION OF PORTION OF PRIMARY DRAINAGE EASEMENT TO BE VACATED SHADOW WOOD AT THE BROOKS UNIT ONE (PLAT BOOK 61, PGS. 21-39) LEE COUNTY, FLORIDA

bk:	pg:	
		date: FEB. 3, 2021
		scale: 1" = 200'
		cogo #: 18-0075.CRD

AGNOLI BARBER & BRUNDAGE, INC.
Professional engineers, planners, surveyors & landscape architects
7400 Trail Blvd., Suite 200, Naples, FL 34108 Ph.: (239)597-3111 Fax: (239)566-2203
Certificate of Authorization Nos. LB 3664, EB 3664 and LC26000620

design:	
drawn:	JAN
checked:	GWH
acad #:	12637-SD1
view:	LIMITS
project #:	18-0075-2
sheet #:	1 of 1
file #:	12637

VILLAGE OF ESTERO
VACATION OF EASEMENT
STAFF REPORT

PROJECT NAME: **Shadow Wood Country Club**

CASE TYPE: **Drainage Easement Vacation**

CASE NUMBER: **VAC2021-E001**

COUNCIL DATE: **April 7th, 2021**

REQUEST

The applicant has requested Council approval for the partial vacation of a drainage easement located at 22801 Oakwilde Blvd., in the Shadow Wood at the Brooks Unit, Tract E, Club House Tract. The partial vacation is being requested to relocate the drainage easement for a storm sewer which has already been relocated outside the footprint of a club house expansion. That development consists of expansion of the club house for a new Proshop that is part of a pending Limited Development Order LDO2020-E048.

PROPERTY DESCRIPTION

The easement to be vacated is located in the southern corner of Tract "E" in the Shadow Wood at the Brooks Unit One and is shown in attached legal description and sketch.

FUTURE LAND USE DESIGNATION

Village Neighborhood 1

TAXES

A copy of the tax receipt from the Lee County Tax Collector's Website for the property that surrounds the easement to be vacated confirms that the taxes for the 2020 calendar year have been paid in full.

STAFF ANALYSIS

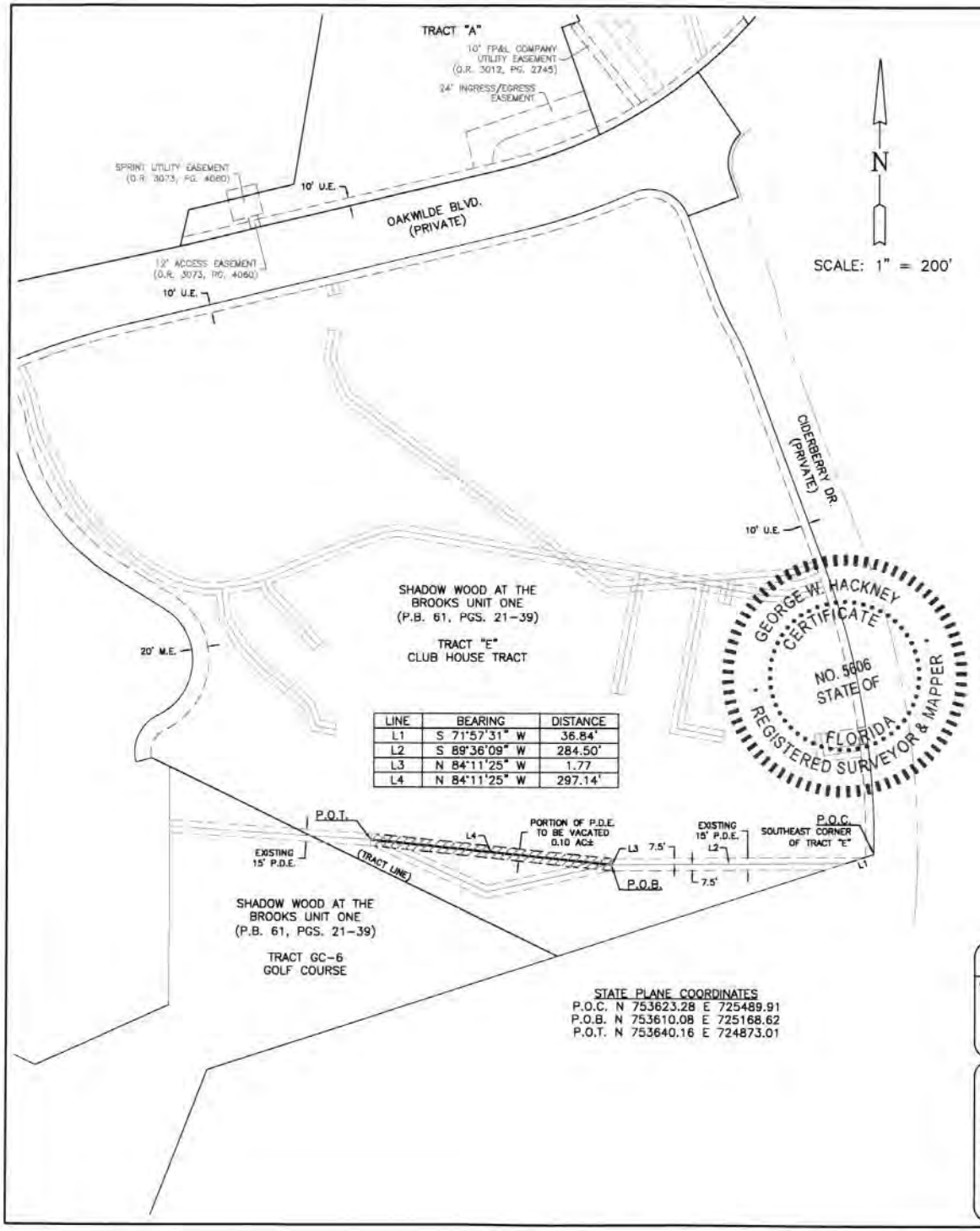
The completed Application for Vacation was submitted by Shadow Wood Country Club, Inc. Village Staff reviewed the proposed vacation for legal description and sketch, proof of ownership, and proof of paid taxes. Village Staff also reviewed the proposed vacation for conformance with the Florida Statutes and the Village of Estero Administrative Code 13-1. The Village Staff, and the Village Professional Surveyor and Mapper have deemed the vacation to be complete.

The Village Attorney and Staff confirm that the vacation meets the requirements of Chapter 177 of the Florida Statutes (Land Boundaries), and the requirements of the Village of Estero Administrative Code 13-1 (Vacation of Plats or Easements created through the platting process) for vacation of easement.

ATTACHMENTS

Exhibit A Legal Description Vacated
Exhibit B Legal Description Proposed
Exhibit C Aerial map

EXHIBIT A



LINE	BEARING	DISTANCE
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L3	N 84°11'25" W	1.77
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STATE PLANE COORDINATES
P.O.C. N 753623.28 E 725489.91
P.O.B. N 753610.08 E 725168.62
P.O.T. N 753640.16 E 724873.01

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ALL THAT PART OF TRACT "E", SHADOW WOOD AT THE BROOKS UNIT ONE, AS RECORDED IN PLAT BOOK 61, PAGES 21-39, PUBLIC RECORDS OF LEE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID TRACT "E"; THENCE ALONG THE SOUTH LINE OF SAID TRACT "E" S 71°57'31" W A DISTANCE OF 36.84 FEET TO THE CENTERLINE OF THE 15.00 FOOT WIDE PRIMARY DRAINAGE EASEMENT OF SAID PLAT, SAID EASEMENT LYING 7.50 FEET ON EITHER SIDE OF SAID CENTERLINE; THENCE LEAVING SAID SOUTH LINE S 89°36'09" W ALONG SAID CENTERLINE A DISTANCE OF 284.50 FEET; THENCE CONTINUING ALONG SAID CENTERLINE N 84°11'25" W A DISTANCE OF 1.77 FEET TO THE POINT OF BEGINNING OF THE CENTERLINE OF THE PRIMARY DRAINAGE EASEMENT TO BE VACATED;

THENCE N 84°11'25" W ALONG SAID CENTERLINE A DISTANCE OF 297.14 FEET TO THE POINT OF TERMINUS OF THE CENTERLINE HEREIN DESCRIBED.

CONTAINING A TOTAL AREA OF APPROXIMATELY 0.10 ACRES.

GENERAL NOTES:

1. DIMENSIONS ARE IN FEET AND DECIMALS THEREOF.

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PREPARED FOR THE BENEFIT OF: SHADOW WOOD COUNTRY CLUB INC.

George W. Hackney

GEORGE W. HACKNEY, PSM 5606

NOT A SURVEY

for: SHADOW WOOD COUNTRY CLUB INC.

title: SKETCH AND DESCRIPTION OF PORTION OF PRIMARY DRAINAGE EASEMENT TO BE VACATED SHADOW WOOD AT THE BROOKS UNIT ONE (PLAT BOOK 61, PGS. 21-39) LEE COUNTY, FLORIDA

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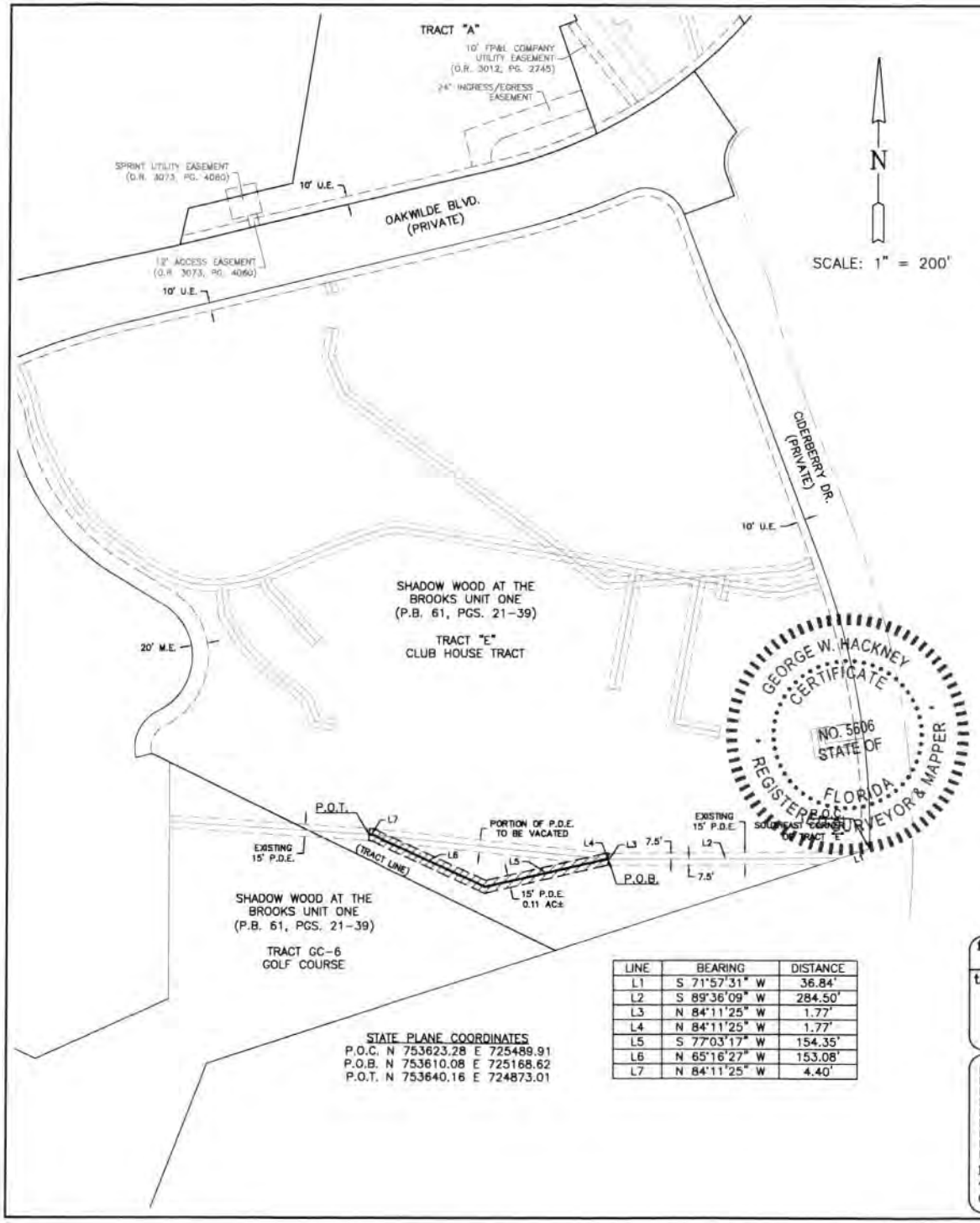
EXHIBIT B



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L4	N 84°11'25" W	1.77'
L5	S 77°03'17" W	154.35'
L6	N 65°16'27" W	153.08'
L7	N 84°11'25" W	4.40'

STATE PLANE COORDINATES
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P.O.B. N 753610.08 E 725168.62
P.O.T. N 753640.16 E 724873.01

LEGAL DESCRIPTION OF PROPOSED PRIMARY DRAINAGE EASEMENT

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THENCE N 84°11'25" W A DISTANCE OF 1.77 FEET;
THENCE S 77°03'17" W A DISTANCE OF 154.35 FEET;
THENCE N 65°16'27" W A DISTANCE OF 153.08 FEET;
THENCE N 84°11'25" W A DISTANCE OF 4.40 FEET TO THE POINT OF TERMINUS OF THE CENTERLINE HEREIN DESCRIBED.

CONTAINING A TOTAL AREA OF APPROXIMATELY 0.11 ACRES.

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PREPARED FOR THE BENEFIT OF: SHADOW WOOD COUNTRY CLUB INC.

George W. Hackney

GEORGE W. HACKNEY, PSM 5606

NOT A SURVEY

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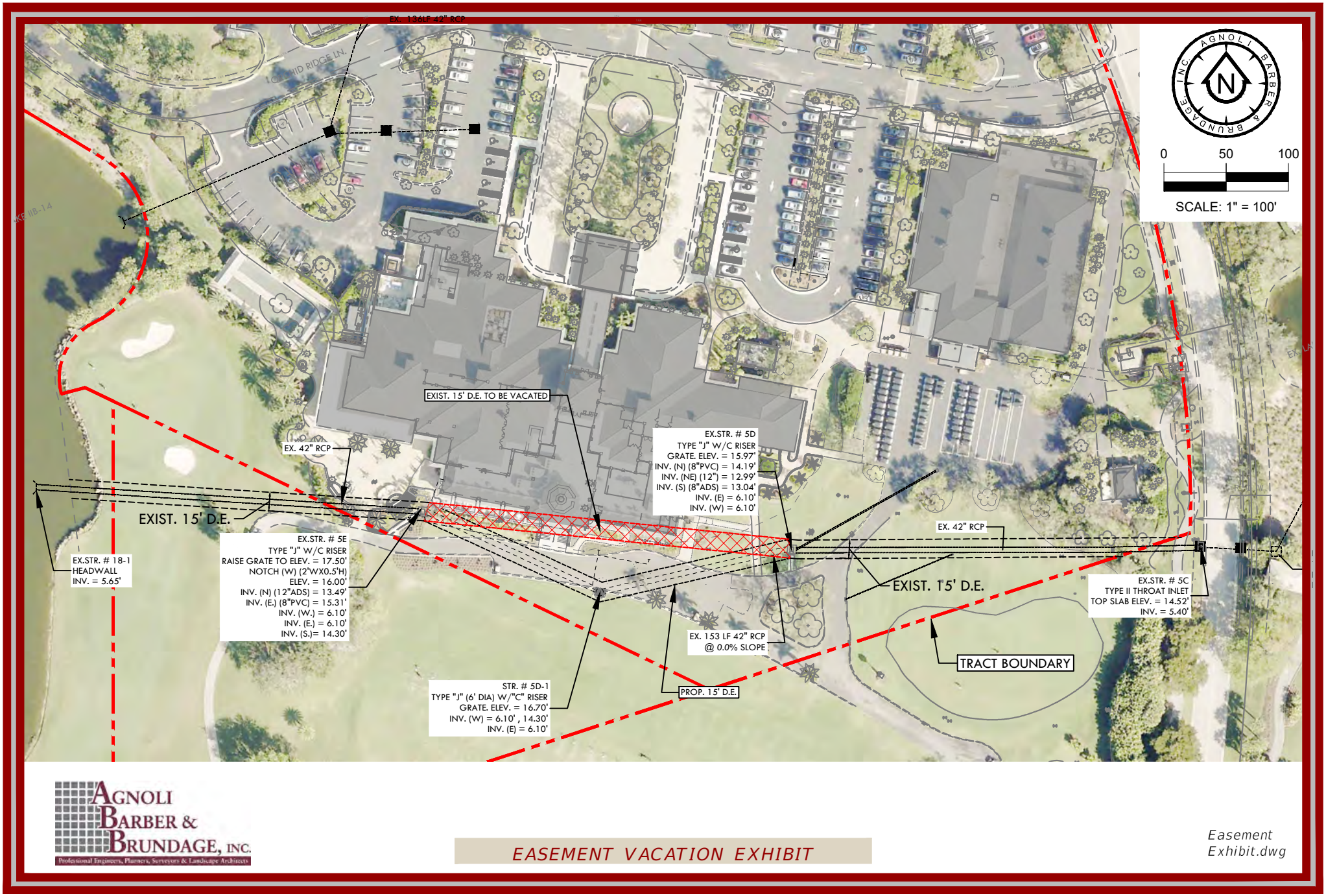
Certificate of Authorization Nos. LB 3664, EB 3664 and LC26000620

EXHIBIT C



AGNOLI BARBER & BRUNDAGE, INC.
Professional Engineers, Planners, Surveyors & Landscape Architects

EASEMENT VACATION EXHIBIT

Easement Exhibit.dwg

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Resolution 2021-09 vacating a portion of public utility and drainage easements on the Christ Community Ministries property on Highlands Ave.

Description:

Christ Community Ministries has requested Council approval for their church property on Highlands Ave to vacate the public interest in a portion of public utility and drainage easements located north of County Road. The property is being developed as a Church building expansion that is a part of a pending Development Order 2021-E001. There are existing platted easements which are located under the proposed building expansion that need to be vacated. The easements along the northern property boundary are not being vacated as the proposed building additions will not impact the northern boundary.

The vacation of easement has been reviewed by staff for technical requirements under the Land Development Code, and Florida Statutes, and has also been reviewed by the Village attorney. The vacation of easement complies with those requirements.

Action Requested:

Approve

Financial Impact:

none

Attachments:

1. Resolution
2. Staff report

VILLAGE OF ESTERO, FLORIDA

RESOLUTION NO. 2021 – 09

A RESOLUTION OF THE VILLAGE OF ESTERO, FLORIDA, VACATING A PORTION OF THE PUBLIC UTILITY EASEMENTS AND DRAINAGE EASEMENTS OF THAT PART OF THE PLAT OF LOTS 9 THROUGH 14, MARSHALL'S ESTERO RIVER GROVES, UNIT 1, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 12, PAGE 131, PUBLIC RECORDS OF LEE COUNTY, FLORIDA, LYING AND BEING IN SECTION 28, TOWNSHIP 46 SOUTH, RANGE 25 EAST, VILLAGE OF ESTERO, LEE COUNTY, FLORIDA; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, lots 9 through 14 within the Marshall's Estero River Groves, Unit 1 subdivision contains drainage and utility easements, and the owner has filed an application to vacate that portion of the plat described herein to expand the existing church building (VAC2021-E002); and

WHEREAS, the lots have been combined to form one lot, and the owner desires to expand the existing church structure over the proposed vacated easements; and

WHEREAS, the Village received letters of "No Objection" to the vacation of the proposed easements from Lee County Utilities, Lumen, Comcast, FPL, TECO, Lee County DOT, FDOT, and Lee County Division of Natural Resources; and

WHEREAS, the public notice of said application was published and evidence thereof given, as required by law; and

WHEREAS, the Village Council finds that the easements described herein no longer serve a public purpose, because the lots have been combined to form one lot, and the owner desires to expand the existing church structure over the proposed vacated easements, and this is a proper subject for vacation pursuant to Chapter 177, Florida Statutes; and

WHEREAS, the Village Attorney has reviewed the vacation and finds that it meets the technical requirements of the Florida Statutes; and

WHEREAS, the Village held a duly advertised public hearing prior to the adoption of this Resolution; and

NOW, THEREFORE, be it resolved by the Village Council of the Village of Estero:

Section 1. The above recitals are true and correct and are incorporated herein by reference.

Section 2. The Village Council hereby vacates that portion of the plat of the Marshall's Estero River Groves, Unit 1 subdivision as described in Exhibit A attached hereto.

Section 3. This Resolution shall take effect immediately upon adoption.

ADOPTED BY THE VILLAGE COUNCIL of the Village of Estero, Florida, this 7th day of April, 2021.

Attest:

VILLAGE OF ESTERO, FLORIDA

By: _____
Carol Sacco, Village Clerk

By: _____
Katy Errington, Mayor

Reviewed for legal sufficiency:

By: _____
Burt Saunders, Esq., Village Attorney

Exhibits:
A. Legal Description

CHRIST COMMUNITY MINISTRIES

"TO KNOW CHRIST AND TO MAKE HIM KNOWN"

EXHIBIT "A"- REVISED 2-9-2021

PG 1

All public utility easements and drainage easements, with the exception of the PUE/DE along the northern property line are requesting to be vacated within the boundaries of the below described property of 20810 Highlands Ave. STRAP # 28-46-25-E3-05033.0010.

Lots 9 through 14, Marshall's Estero River Groves, Unit 1, according to the plat thereof as recorded in Plat Book 12, Page 131, Public Records of Lee County, Florida, and that parcel South of Lots 11 and 12, Marshall's Estero River Groves, Unit 1, as recorded in Plat Book 12, Page 131, Public Records of Lee County, Florida, West of Highland Avenue, North of County Road and East of Estero Court, Lee County, Florida.
Also described as:
Beginning at Northwest corner of Lot 9 as shown on the record plat of Marshall's Estero River Groves, Unit 1, as recorded in Plat Book 12, Page 131, Public Records of Lee County, Florida, run North 89° 22' 51" East along the Northerly line of Lot 9 and Lot 14 jof said record plat for 240.00 feet to an intersection with the Westerly right of way line of Highlands Avenue; thence run South 00° 37' 09" East along said Westerly right of way line for 419.88 feet to an intersection with the Northerly right of way line of County Road (50 feet wide) as shown on said record plat; thence run South 88° 12' 14" West along said right of way line for 240.05 feet to an intersection with the Easterly right of way line of Estero Court (50 feet wide) as shown on said record plat; thence run North 00° 37' 09" West along said Easterly right of way line for 424.82 feet to the Point of Beginning.

Parcel Identification Number: 28-46-25-E3-05033.0010

P.O Box 1080 Estero, FL. 33928 p 239-498-4352 f 239-498-6773
www.CCMchurch.com

EXHIBIT A PG 2

REVISED 2-9-2021

RECEIVED 2-9-2021 - VOE

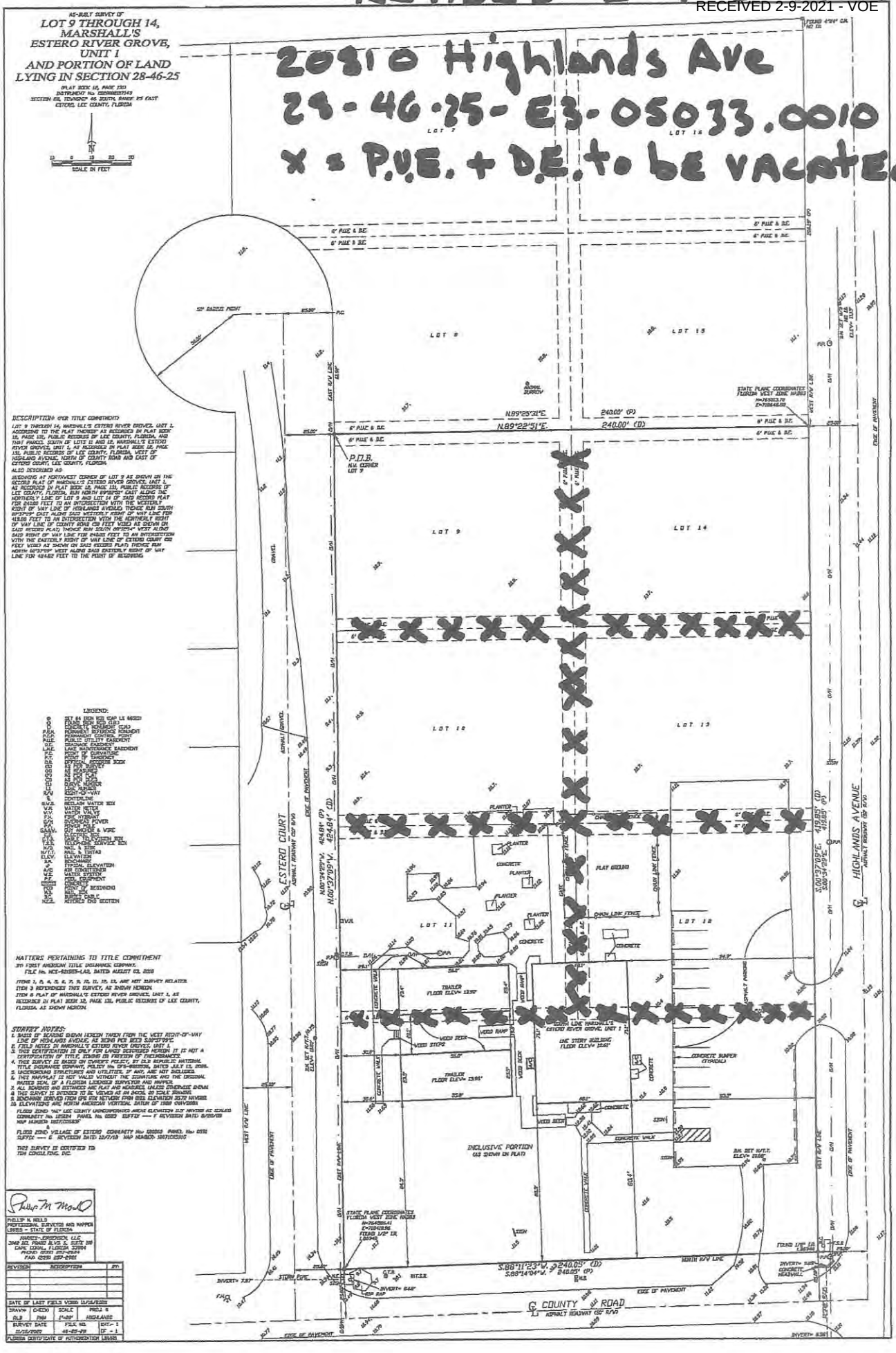


EXHIBIT A PG 3 REVISED 2-9-2021 RECEIVED 2-9-2021 - VOE

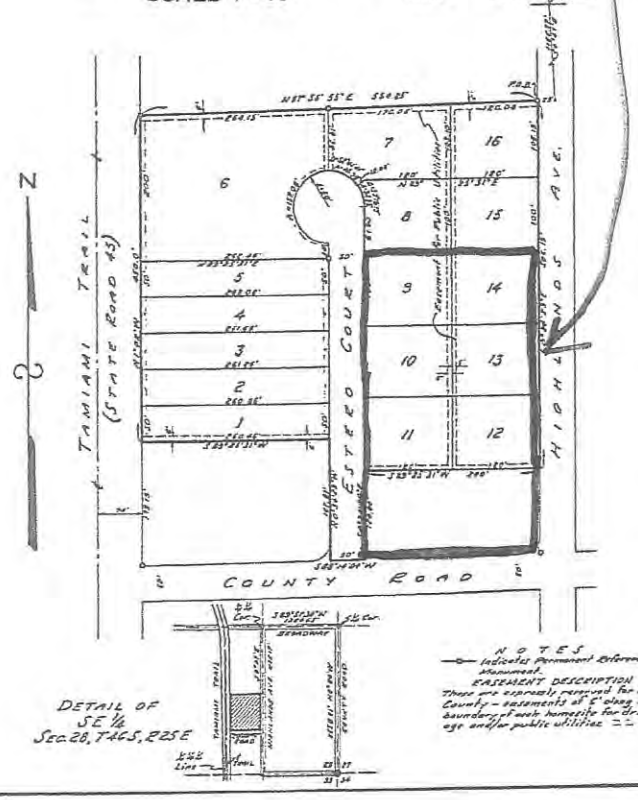
All Public Utility & Drainage EASEMENTS, except the PUE/DE along the North property line to be VACATED.

PLAT BOOK 12, PAGE 131

P/B 12, PGE. 131

MARSHALL'S ESTERO RIVER GROVES UNIT 1

A SUBDIVISION IN
SECTION 28, T46S, R25E
ESTERO, LEE COUNTY, FLORIDA
SCALE: 1" = 80' MAY 1960



DETAIL OF SE¼ Sec 28, T46S, R25E

NOTES
Indicates Permanent Reference Monument.
EASEMENT DESCRIPTION
There are expressly reserved for the County - easements of 5' along each boundary of each homesite for Drainage and/or public utilities

DESCRIPTION

From the SE corner of Section 28, Township 46 South, Range 25 East, run N 0°22'W along the east section line 1338.21' to the ¼ corner; thence S 89°51'30"W 1324.83' to a ¼ Corner; thence along the center line of Highlands Avenue S 0°42'E 1326.17'; thence S 87°56'53"W 25' to the P.O.B.; Thence S 0°42'E 506.13'; thence S 89°25'31"W 240'; thence N 0°42'W 124.64'; S 88°14'54"W 58.01'; thence N 0°56'52"W 161.81'; thence S 89° 25'31"W for 250.45'; thence N 1°06'W 450'; thence N 87°36'55"E 554.25' to the P.O.B.

DEDICATION

KNOW ALL MEN BY THESE PRESENTS that Fortiner-Brammeier Realty & Development Co., a corporation under the laws of Florida, the owner of the hereon described lands, have caused this plat of MARSHALL'S ESTERO RIVER GROVES UNIT 1 to be made and does hereby dedicate to the perpetual use of the public all courts, streets roads and/or avenues and easements shown hereon.
IN WITNESS WHEREOF Fortiner-Brammeier Realty and Development Co. has caused this dedication to be signed in its name by its president and its corporate seal to be affixed, attested by its secretary this ____ day of June, A.D. 1960.

FORTINER-BRAMMEIER REALTY & DEVELOPMENT CO.
By: James S. Fortiner, President
Attest: D. C. Grimm, Secretary

ACKNOWLEDGMENT

STATE OF FLORIDA
COUNTY OF LEE
I HEREBY CERTIFY that on this day, before me personally appeared James S. Fortiner and D. C. Grimm, respectively president and secretary of Fortiner-Brammeier Realty & Development Co., a corporation under the laws of Florida, to me known to be the persons described in and who executed the foregoing dedication and they acknowledged the execution thereof to be their free act and deed as such officers, for the uses and purposes therein mentioned, and that they affixed thereto the official seal of said corporation and that said dedication is the act and deed of said corporation.
WITNESS my hand and official seal of Fort Myers, said county and state, this 8th day of June, A.D. 1960.
James W. Simpkins
Notary Public, State of Florida at large
My Commission expires ____ 1962

APPROVALS

This plat approved this 8 day of June, A.D. 1960 in open meeting of the Board of County Commissioners of Lee County, Florida.
Approved: Chairman
D. D. Parker, Clerk

24057C

I HEREBY CERTIFY that this plat of MARSHALL'S ESTERO RIVER GROVES UNIT 1 has been examined by me and from my examination I find that said plat complies in form with the requirements of Chapter 10275, Laws of Florida, Acts of 1925.
I FURTHER CERTIFY that said plat was filed for record at 2:00 P.M. this 10 day of June, A.D. 1960 and duly recorded in Plat Book 12 on page 131 of the public records of Lee County, Florida.
D. D. Parker
Clerk of the Circuit Court in and for Lee County

I hereby certify that this plat of MARSHALL'S ESTERO RIVER GROVES UNIT 1 is a true and correct representation of a recent survey made and platted under my direction and that permanent reference monuments (P.R.M.'s) have been placed in accordance with the provisions of Section 7, Chapter 10275, Laws of Florida, Acts of 1925.
John A. Thompson, Reg. Land Surveyor, Fla. Certificate No. 1057
W. A. Thompson Co., Fort Myers, Florida
Wayne A. Bauer, County Road Superintendent
County Attorney

I CERTIFY THIS DOCUMENT TO BE A TRUE AND CORRECT COPY OF THE ORIGINAL ON FILE IN MY OFFICE
LINDA DOGGETT, CLERK OF CIRCUIT COURT, STATE OF FLORIDA, COUNTY OF LEE

☐ REDACTED COPY PER F.S.119.071

BY: Deputy Clerk
DATED: 7-Jan-21

VILLAGE OF ESTERO
VACATION OF EASEMENT
STAFF REPORT

PROJECT NAME: **Christ Community Ministries**

CASE TYPE: **Public Utility and Drainage Easements Vacations**

CASE NUMBER: **VAC2021-E002**

COUNCIL DATE: **April 7, 2021**

REQUEST

The applicant has requested Council approval to vacate the public interest in all public utility easements and drainage easements, with the exception of the easement along the northern property line within the boundaries of property located at 20810 Highlands Ave. The property is being developed as a Church expansion that is a part of a pending Development Order 2021-E001.

PROPERTY DESCRIPTION

The easements to be vacated are located within Lots 9 through 14, Marshall's Estero River Groves, Unit 1. shown in attached legal description and sketch.

FUTURE LAND USE DESIGNATION

Village Center

TAXES

A copy of the tax receipt from the Lee County Tax Collector's Website for the property that surrounds the easement to be vacated confirms that the taxes for the 2020 calendar year have been paid in full.

STAFF ANALYSIS

The completed Application for Vacation was submitted by Christ Community Ministries. Village Staff reviewed the proposed vacation for legal description and sketch, proof of ownership, and proof of paid taxes. Village Staff also reviewed the proposed vacation for conformance with the Florida Statutes and the Village of Estero Administrative Code 13-1. The Village received letters of "No Objection" from Lee County Utilities, Lumen, Comcast, FPL, TECO, Lee County DOT, FDOT, and Lee County Division of Natural Resources, . The Village does not object to the vacation of the drainage easements as they are internal to the property and do not affect the proper drainage of the property or the adjoining properties. The Village Staff, and the Village Professional Surveyor and Mapper have deemed the vacation to be complete.

The Village Attorney and Staff confirm that the vacation meets the requirements of Chapter 177 of the Florida Statutes (Land Boundaries), and the requirements of the Village of Estero Administrative Code 13-1 (Vacation of Plats or Easements created through the platting process) for vacation of public utility and drainage easements.

ATTACHMENTS

Exhibit A Legal Description
Exhibit B Application Cover Letter
Exhibit C Aerial map

CHRIST COMMUNITY MINISTRIES

"TO KNOW CHRIST AND TO MAKE HIM KNOWN"

EXHIBIT "A"- REVISED 2-9-2021

PG 1

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REVISED 2-9-2021

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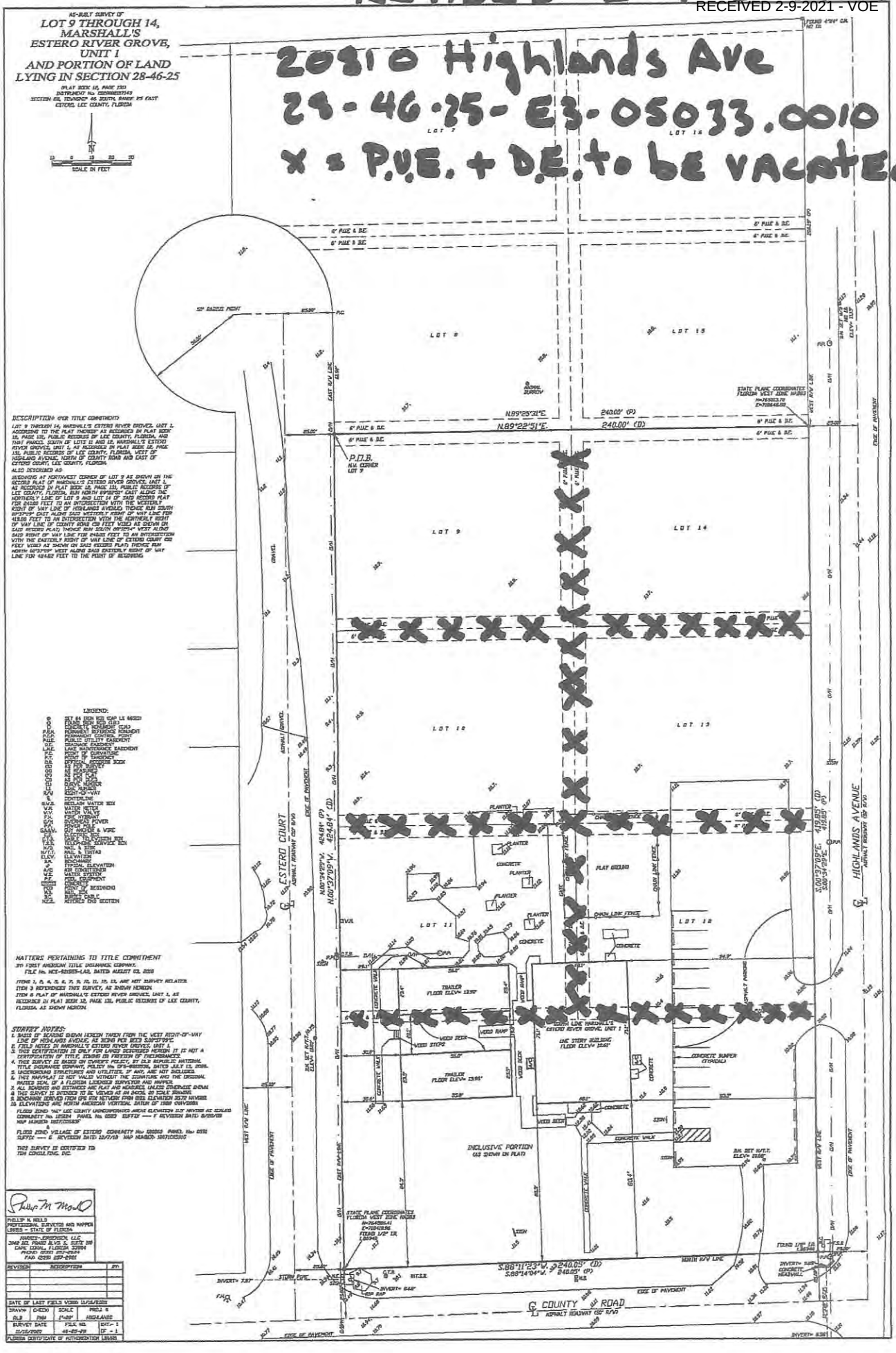

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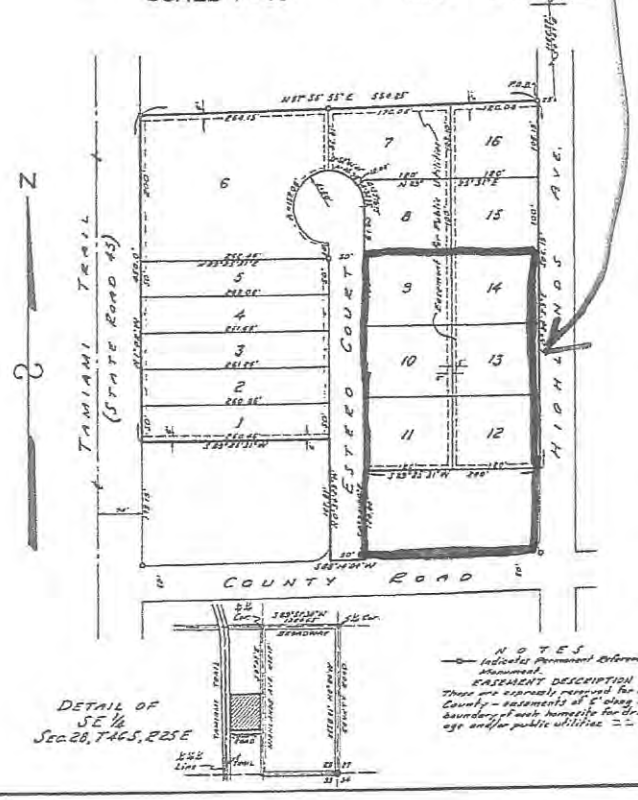

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FORTINER-BRAMMEIER REALTY & DEVELOPMENT CO.
By: James S. Fortiner, President
Attest: D. C. Grimm, Secretary

ACKNOWLEDGMENT

STATE OF FLORIDA
COUNTY OF LEE
I HEREBY CERTIFY that on this day, before me personally appeared James S. Fortiner and D. C. Grimm, respectively president and secretary of Fortiner-Brammeier Realty & Development Co., a corporation under the laws of Florida, to me known to be the persons described in and who executed the foregoing dedication and they acknowledged the execution thereof to be their free act and deed as such officers, for the uses and purposes therein mentioned, and that they affixed thereto the official seal of said corporation and that said dedication is the act and deed of said corporation.
WITNESS my hand and official seal of Fort Myers, said county and state, this 8th day of June, A.D. 1960.
James W. Simpkins
Notary Public, State of Florida at large
My Commission expires ____ 1962

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☐ REDACTED COPY PER F.S.119.071

BY: Deputy Clerk
DATED: 7-Jan-21

CHRIST COMMUNITY MINISTRIES

"TO KNOW CHRIST AND TO MAKE HIM KNOWN"

EXHIBIT "B"

1/8/2021

Village of Estero
Department of Community Development
9401 Corkscrew Palms Circle
Estero, FL 33928
Att: Mary Gibbs, Community Development Director

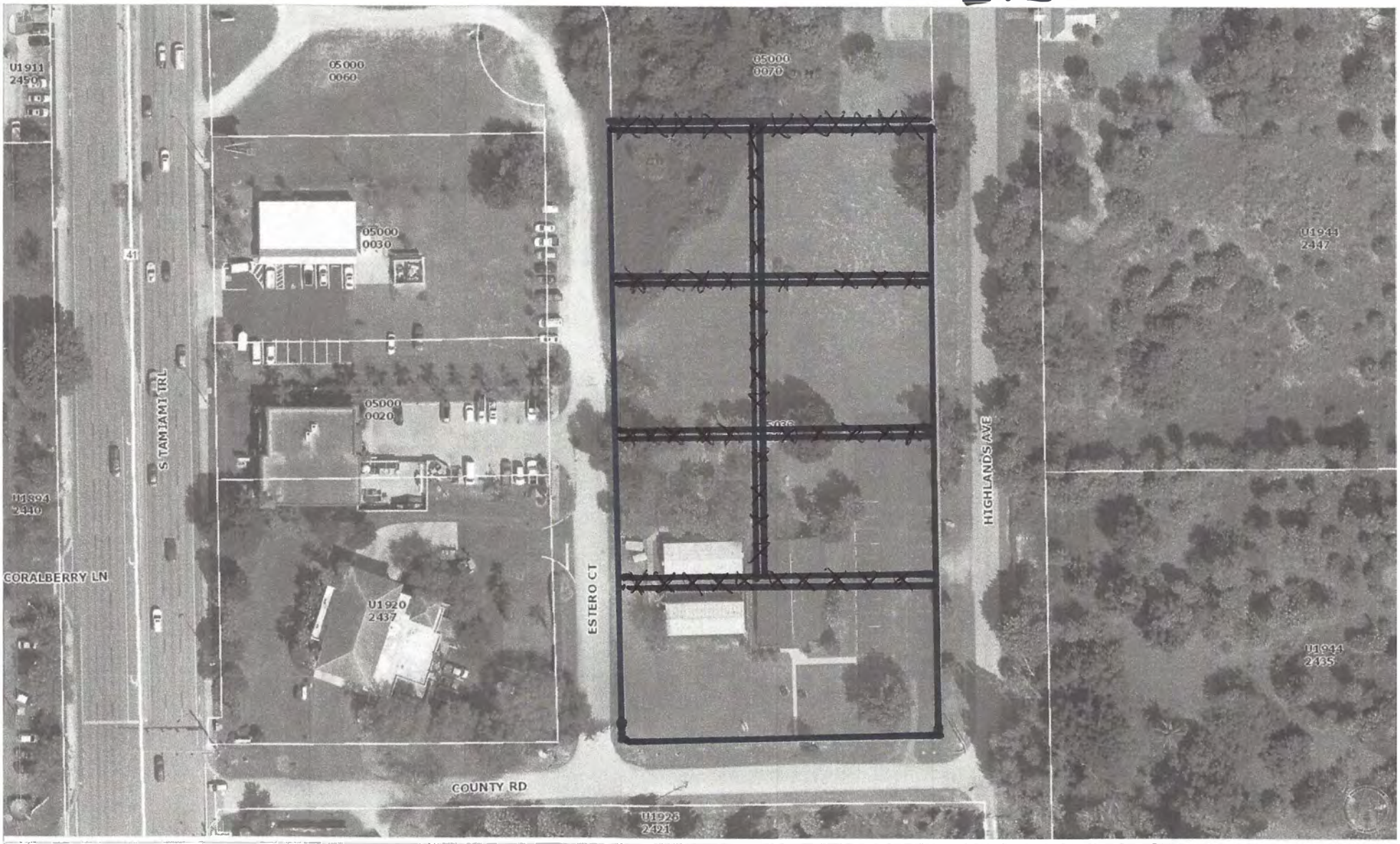
Dear Ms. Gibbs,

Christ Community Ministries, Inc. is submitting the appropriate application, documents and fee to vacate all the P.U.E.'s and D.E.'s on the property located at 20810 Highlands Ave. in order to allow us to move forward with the renovation and expansion of our church facility. Thank you for your consideration. Please advise if additional information is required.

Sincerely,

Mark Goodman, Pastor

P.O Box 1080 Estero, FL. 33928 p 239-498-4352 f 239-498-6773
www.CCMchurch.com



STRAP	Folio	Owner Name	Site Address	Last Trans. Date	Last Trans. Amt	Just Value	Taxable Value
28-46-25-E3-05033.0010	10273598	CHRIST COMMUNITY MINISTRIES IN	20810 HIGHLANDS AVE, ESTERO	1-2019	$ 24,562,500	$ 913,657	$ 0

Exhibit "C"

- EASEMENTS TO BE VACATED

AGENDA ITEM SUMMARY SHEET
VILLAGE COUNCIL
April 7, 2021

Agenda Item:

First reading of Ordinance 2021-03 to readopt and correct Ordinance 2021-01, Capital Improvements Element Schedule Update 2020.

Description:

Ordinance 2020-01 was approved by Council on January 20, 2021 to update the Comprehensive Plan Capital Improvements Element Schedule for the Village of Estero and the Lee County School District Capital Improvements Plans. However, two pages of the approved CIP were inadvertently not included in the attachment.

The sole change to the ordinance is to include two pages of the 2021 Village of Estero Fiscal Year 2021-2021 Capital Improvement Projects that were missing from Exhibit A. The proposed readoption and correction ordinance, Ordinance 2021-03, includes the missing pages in Exhibit A.

Action Requested:

Pass First Reading and set Second Reading for April 21, 2021 at 9:30 a.m.

Financial Impact:

Minor cost of newspaper advertisement.

Attachments:

1. Readoption and Correction Ordinance No. 2021-03

Village of Estero
Fiscal Year 2020-2021
Capital Improvement Projects

	Budgeted Total Projects	Fund Source	Estimated Expended To Date	**CIP Budget FY 20-21**	CIP Budget FY 21-22	CIP Budget FY 22-23	CIP Budget FY 23-24	CIP Budget FY 24-25	5 Year Total Projects	CIP Budget Thereafter	Total Project Cost
Debt Service & Debt Reduction											
Debt Service - General Fund		GF	3,422,590	**1,415,800**	1,415,800	1,415,800	1,415,800	1,415,800	7,079,000	4,247,400	14,748,990
Debt Reduction - General Fund		GF	4,100,000	**1,100,000**	1,100,000	1,100,000	1,100,000	1,100,000	5,500,000	2,304,500	11,904,500
Village Debt Service & Debt Reduction Total			7,522,590	**2,515,800**	2,515,800	2,515,800	2,515,800	2,515,800	12,579,000	6,551,900	26,653,490
Roadway Improvement Projects (700)											
Estero Parkway Improvements (US41-Three Oaks)	9,728,240	GF	6,448,070	**420,560**	93,610	-	-	-	514,170	-	6,962,240
		GT	-	**570,000**	-	-	-	-	570,000	-	570,000
		LDOT	-	**2,196,000**	-	-	-	-	2,196,000	-	2,196,000
Corkscrew Road Widening (East of Ben Hill)	49,044,560	Lee County	-	**23,590,770**	-	17,795,310	-	-	41,386,080	-	41,386,080
		Rd I	-	**300,000**	3,626,430	3,732,050	-	-	7,658,480	-	7,658,480
River Ranch Road Improvements (Drainage, Road, Bike/Ped)	2,769,250	GF	205,500	**-**	-	-	-	-	-	-	205,500
		Rd I	-	**310,000**	1,532,750	-	-	-	1,842,750	-	1,842,750
		GT	-	**-**	721,000	-	-	-	721,000	-	721,000
Broadway W. Ave Phase 1 Improvements (US 41-Breckenridge) (Drainage, Road, Bike/Ped)	1,550,440	GF		**-**	-	318,740	406,030	-	724,770	-	724,770
		GT	-	**-**	-	335,170	490,500	-	825,670	-	825,670
Broadway W. Ave Phase 2 Improvements	1,233,700	GT	-	**-**	-	-	-	-	-	1,233,700	1,233,700
Williams Road Widening (US41 - Via Coconut)	3,561,900	Rd I	-	**-**	-	-	-	840,000	840,000	2,721,900	3,561,900
Via Coconut Pt Street Lights	2,365,200	GF		**205,200**	-	83,210	-	-	288,410	2,076,790	2,365,200
Three Oaks Pwky Street Lights	700,900	GF		**-**	-	-	-	-	-	700,900	700,900
Corkscrew Road W.Street Lights (US 41-I-75)	1,673,200	GF		**-**	-	-	-	-	-	1,673,200	1,673,200
Coconut Road Street Lights	613,300	GF		**-**	-	56,500	44,360	-	100,860	512,440	613,300
Williams Road Street Lights (Via Coconut-Three Oaks)	657,000	GF		**57,000**	44,910	-	-	-	101,910	555,090	657,000
River Ranch Road Street Lights	350,500	GF		**30,500**	24,000	-	-	-	54,500	296,000	350,500
Broadway Avenue East Street Lights	148,400	GF		**12,900**	-	11,130	-	-	24,030	124,370	148,400
Broadway Avenue West Street Lights	671,710	GF		**-**	-	61,910	51,670	-	113,580	558,130	671,710
Sandy Lane Street Lights	328,600	GF		**28,600**	-	23,110	-	-	51,710	276,890	328,600
Via Coconut Point Extension (South)	2,249,000	Rd I	-	**-**	-	-	-	-	-	2,249,000	2,249,000
Roadway Improvement Projects (700)			6,653,570	**27,721,530**	6,042,700	22,417,130	992,560	840,000	58,013,920	12,978,410	77,645,900
Intersection Improvements Projects (710)											
Corkscrew Road-Estero Town Commons Signal	1,010,270	Developer	-	**842,600**	-	-	-	-	842,600	-	842,600
		GF	167,670	**-**	-	-	-	-	-	-	167,670
Corkscrew Road-Corkscrew Woodland Blvd. Intersection Improvements	57,200	Lee County	-	**57,200**	-	-	-	-	57,200	-	57,200
US41-Pelican Sound Intersection Improvements	700,560	Developer	-	**132,000**	568,560	-	-	-	700,560	-	700,560
Williams Road-Atlantic Gulf Drive Intersection (Walgreens)	3,190,880	Rd I	-	**300,000**	-	2,782,250	-	-	3,082,250	-	3,082,250
		GF	108,630	**-**	-	-	-	-	-	-	108,630

GT=Gas Tax, Rd I=Road Impact Fees, GF=General Fund, RPI=Regional Park Impact Fees, CPI=Community Park Impact Fees, PIF=Park Impact Fees, PL/BD=Public Land/Bonus Density, LDOT=Lee County Dept of Transportation, MPO=Metropolitan Planning Organization, and FDOT=Florida Dept of Transportation

Village of Estero
Fiscal Year 2020-2021
Capital Improvement Projects

	Budgeted Total Projects	Fund Source	Estimated Expended To Date	**CIP Budget FY 20-21**	CIP Budget FY 21-22	CIP Budget FY 22-23	CIP Budget FY 23-24	CIP Budget FY 24-25	5 Year Total Projects	CIP Budget Thereafter	Total Project Cost
Corkscrew Road-Three Oaks Pkwy. Intersection Improvements	443,110	Lee County	-	-	443,110	-	-	-	443,110	-	443,110
Coconut Road Intersection Study	117,000	GF		**117,000**	-	-	-	-	117,000	-	117,000
US-41-Coconut Road Intersection Improvements	574,100	Other Govmt	-	-					-	574,100	574,100
		GT	-	-	-	-	-	-	-	-	-
US41-Williams Rd Intersection Improvements	270,400	Rd I	-	-	-	-	-	-	-	270,400	270,400
Coconut Road - Coconut Shores Roundabout	1,057,190	Other Govmt	-	-	-	-	1,057,190	-	1,057,190	-	1,057,190
US41-Pelican Sound Intersection Improvements	854,400	Developer	-	-	-	-	-	-	-	854,400	854,400
Corkscrew-US 41 Intersection Improvements	392,500	LDOT & FDOT	-	-	-	-	-	-	-	392,500	392,500
Coconut Road - Meadowbrook Roundabout	1,086,290	Other Govmt	-	-	-	-	-	1,086,290	1,086,290	-	1,086,290
North Point Railroad Crossing	1,120,000	Rd I	-	-	-	-	-	1,120,000	1,120,000	-	1,120,000
Coconut Road - El Dorado Roundabout	969,900	Other Govmt	-	-	-	-	-	-	-	969,900	969,900
Intersection Improvements Projects (710)			276,300	**1,448,800**	1,011,670	2,782,250	1,057,190	2,206,290	8,506,200	3,061,300	11,843,800
Bicycle and Pedestrian Improvements Projects (720)											
Coconut Road Crosswalks	241,550	GF	91,550	**150,000**	-	-	-	-	150,000	-	241,550
Williams Road Bike-Ped Improvements (East of Via Coconut)	1,605,270	Rd I	258,000	**150,000**	1,197,270	-	-	-	1,347,270	-	1,605,270
Intersection Safety Improvement Study	110,000	GF	-	**110,000**	-	-	-	-	110,000	-	110,000
Sandy Lane Bike-Ped Improvements	1,922,270	Rd I	-	**438,780**	-	1,483,490	-	-	1,922,270	-	1,922,270
Broadway E Shared Use Path (US 41-Sandy)	1,999,260	Rd I	-	**245,700**	-	1,753,560	-	-	1,999,260	-	1,999,260
Corkscrew Road Shared Use Path (3 Oaks-Sandy)	4,239,600	GF	-	-	222,480	-	-	-	222,480	3,708,120	3,930,600
		Rd I	-	-	309,000	-	-	-	309,000	-	309,000
Coconut Road Sidewalk (Oakwild to Via Coconut)	963,460	Rd I	-	-	142,140	-	821,320	-	963,460	-	963,460
Corkscrew Palms Blvd. Sidewalks	103,400	Lee County	-	-	-	-	-	-	-	103,400	103,400
Via Coconut Point Roundabouts Improvements	512,090	Rd I	-	-	-	171,720	-	340,370	512,090	-	512,090
Corkscrew Rd Bike-Ped Improvements (E of US41)	11,308,600	GF	-	-	-	-	-	-	-	10,748,600	10,748,600
		Rd I	-	-	-	-	-	560,000	560,000	-	560,000
Coconut Rd Shared Use Path	1,336,210	Rd I	-	-	-	343,440	992,770	-	1,336,210	-	1,336,210
Corkscrew Rd W. Bike-Ped Improvements	1,339,170	Rd I	-	-	-	239,140	1,100,030	-	1,339,170	-	1,339,170
Williams Rd W. Bike-Ped Improvements (West of US41)	1,204,620	Rd I	-	-	-	-	274,680	929,940	1,204,620	-	1,204,620
Broadway E. Shared Use Path (Sandy Ln to Three Oaks & Estero Pkwy)	2,159,500	GF	-	-	-	-	-	-	-	2,159,500	2,159,500
SUN Trail Estero Parkway South	5,429,000	GF	-	-	-	-	-	-	-	5,429,000	5,429,000
SUN Trail Estero Parkway North	4,353,200	GF	-	-	-	-	-	-	-	4,353,200	4,353,200
FPL Shared Use Path (East I-75)	1,873,300	GF	-	-	-	-	-	-	-	1,873,300	1,873,300
Utility Shared Use Path (West US 41)	4,041,800	GF	-	-	-	-	-	-	-	4,041,800	4,041,800
Bicycle and Pedestrian Improvements Projects (720)			349,550	**1,094,480**	1,870,890	3,991,350	3,188,800	1,830,310	11,975,830	32,416,920	44,742,300

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Village of Estero
Fiscal Year 2020-2021
Capital Improvement Projects

	Budgeted Total Projects	Fund Source	Estimated Expended To Date	**CIP Budget FY 20-21**	CIP Budget FY 21-22	CIP Budget FY 22-23	CIP Budget FY 23-24	CIP Budget FY 24-25	5 Year Total Projects	CIP Budget Thereafter	Total Project Cost
Landscaping & Beautification Projects (730)											
US41 Median Landscaping	1,504,100	FDOT	766,000	-	-	-	-	-	-	-	766,000
		GF	508,520	**114,790**	114,790	-	-	-	229,580	-	738,100
US 41 FDOT Landscape Grant	199,600	FDOT	-	**134,490**	-	-	-	-	134,490	-	134,490
		GF	-	**65,110**	-	-	-	-	65,110	-	65,110
US-41 Monument Signs	156,000	GF	-	**156,000**	-	-	-	-	156,000	-	156,000
I-75 Monument Signs	222,480	GF	-	-	222,480	-	-	-	222,480	-	222,480
Three Oaks Parkway Monument Signs	156,000	GF	-	**156,000**	-	-	-	-	156,000	-	156,000
Ben Hill Griffin Monument Sign	80,340	GF	-	-	80,340	-	-	-	80,340	-	80,340
Corkscrew Road Monument Sign	80,340	GF	-	-	80,340	-	-	-	80,340	-	80,340
Via Coconut Point Landscape Improvements (Williams-Coconut)	2,999,400	GF	63,750	**276,000**	-	2,659,650	-	-	2,935,650	-	2,999,400
Ben Hill Griffin Pkwy Landscape Improvements	2,346,360	GF	-	**130,000**	-	2,216,360	-	-	2,346,360	-	2,346,360
I-75 Interchange Landscaping	1,701,000	FDOT	-	-	-	-	-	980,000	980,000	-	980,000
		GF	-	**60,000**	61,800	-	-	599,200	721,000	-	721,000
US41 Shoulder Landscaping	3,737,200	GF	-	-	-	-	-	-	-	3,737,200	3,737,200
Three Oaks Parkway Landscape Improvements (Excluding Brooks)	5,552,200	GF	-	-	-	-	-	-	-	5,552,200	5,552,200
Corkscrew Road Landscape Improvements (US-41 to I-75)	4,064,300	GF	-	-	-	-	-	-	-	4,064,300	4,064,300
Williams Road Landscape Improvements	1,524,950	GF	-	**143,000**	1,381,950	-	-	-	1,524,950	-	1,524,950
	Landscaping & Beautification Projects (730)		1,338,270	**1,235,390**	1,941,700	4,876,010	-	1,579,200	9,632,300	13,353,700	24,324,270
Parks & Recreation Projects (740)											
Estero on the River Master Plan	252,000	GF	-	**252,000**	-	-	-	-	252,000	-	252,000
Estero Community Park Expansion Master Plan	150,000	GF	-	**150,000**	-	-	-	-	150,000	-	150,000
Estero Community Park Expansion	11,317,790	CPI	-	**118,700**	-	-	-	-	118,700	-	118,700
		PIF	-	**581,300**	309,000	318,000	-	-	1,208,300	-	1,208,300
		Rd I	-	-	387,280	349,800	-	-	737,080	-	737,080
		GF	-	**38,000**	4,132,160	5,083,550	-	-	9,253,710	-	9,253,710
Estero on the River	4,729,080	GF	-	-	2,060,000	2,669,080	-	-	4,729,080	-	4,729,080
		PIF	-	-	-	-	-	-	-	-	-
	Parks & Recreation Projects (740)		-	**1,140,000**	6,888,440	8,420,430	-	-	16,448,870	-	16,448,870

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Village of Estero
Fiscal Year 2020-2021
Capital Improvement Projects

	Budgeted Total Projects	Fund Source	Estimated Expended To Date	**CIP Budget FY 20-21**	CIP Budget FY 21-22	CIP Budget FY 22-23	CIP Budget FY 23-24	CIP Budget FY 24-25	5 Year Total Projects	CIP Budget Thereafter	Total Project Cost
Stormwater Projects (750)											
Villages of Country Creek Bypass Swale Improvements	708,650	GF	-	**192,000**	516,650	-	-	-	708,650	-	708,650
Dry Creek Bed Sediment Removal	440,460	GF	-	**150,000**	290,460	-	-	-	440,460	-	440,460
Estero River Sediment Removal (Railroad to Sandy Ln)	807,950	GF	-	-	166,860	641,090	-	-	807,950	-	807,950
Estero River Sediment Removal (West of US 41)	2,549,010	GF	-	**30,000**	37,080	-	2,481,930	-	2,549,010	-	2,549,010
Trailside Drainage Improvements	1,187,900	GF	-	-	-	-	-	-	-	1,187,900	1,187,900
Villagio-Estero Pkwy Drainage Improvements	1,624,200	Estero/Lee County	-	-	-	-	-	-	-	1,624,200	1,624,200
US-41 Drainage Improvements Design (Williams-Corkscrew)	72,000	FDOT	-	-	-	-	-	-	-	72,000	72,000
		Stormwater Projects (750)	-	**372,000**	1,011,050	641,090	2,481,930	-	4,506,070	2,884,100	7,390,170
Building Projects (760)											
Public Works Storage Facility	354,000	GF	-	-	-	-	-	-	-	354,000	354,000
Village Hall	4,914,000	GF	-	-	-	-	-	-	-	4,914,000	4,914,000
Performing Arts Center	20,000,000	GF	-	-	-	-	-	-	-	20,000,000	20,000,000
		Building Projects (760)	-	-	-	-	-	-	-	25,268,000	25,268,000
Land Acquisitions (770)											
Christ Community Ministries (Williams Road)	3,000,000	PL/BD	280,000	-	-	-	-	-	-	-	280,000
		CPI	857,551	-	-	-	-	-	-	-	857,551
		Sale Proceeds	1,000,000	-	-	-	-	-	-	-	1,000,000
		RPI	862,449	-	-	-	-	-	-	-	862,449
School District of Lee County Property (Block Lane)	4,480,000	GF	-	-	-	-	-	3,718,400	3,718,400	-	3,718,400
		PIF	-	-	-	-	-	761,600	761,600	-	761,600
Driving Range Property (Williams Road)	3,500,000	GF	-	-	-	-	-	-	-	2,800,000	2,800,000
		PIF	-	-	-	-	-	-	-	700,000	700,000
River Oaks Preserve	900,000	PL/BD	-	-	**900,000**	-	-	-	900,000	-	900,000
SUN Trail	30,000,000	GF	-	-	-	-	-	-	-	30,000,000	30,000,000
		Land Acquisitions (770)	3,000,000	-	900,000	-	-	4,480,000	5,380,000	33,500,000	41,880,000
Projects Total	249,543,310		11,617,690	**33,012,200**	19,666,450	43,128,260	7,720,480	10,935,800	114,463,190	123,462,430	249,543,310
Less Lee County and Florida Dept of Transportation Projects			-	**23,647,970**	443,110	17,795,310	1,057,190	1,086,290	44,029,870	3,736,100	47,765,970
			11,617,690	**9,364,230**	19,223,340	25,332,950	6,663,290	9,849,510	70,433,320	119,726,330	201,777,340
Less Other Governmental Entity Participation on Village Projects			766,000	**2,330,490**	-	-	-	980,000	3,310,490	-	4,076,490
Less Developer Contributions			-	**974,600**	568,560	-	-	-	1,543,160	854,400	2,397,560
		Total Capital Projects	10,851,690	**6,059,140**	18,654,780	25,332,950	6,663,290	8,869,510	65,579,670	118,871,930	195,303,290

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Village of Estero
Fiscal Year 2020-2021
Capital Improvement Projects

	Fund Source	Estimated Expended To Date	**CIP Budget FY 20-21**	CIP Budget FY 21-22	CIP Budget FY 22-23	CIP Budget FY 23-24	CIP Budget FY 24-25	5 Year Total Projects	CIP Budget Thereafter	Total Project Cost
Capital Projects By Funding Source										
General Fund	GF=	7,593,690	3,044,660	9,529,910	13,824,330	2,983,990	4,317,600	33,700,490	111,696,930	152,991,110
Gas Tax Funds	GT=	-	**570,000**	721,000	335,170	490,500	-	2,116,670	1,233,700	3,350,370
Road Impact Fees	Rd I=	258,000	**1,744,480**	7,194,870	10,855,450	3,188,800	3,790,310	26,773,910	5,241,300	32,273,210
Community Park Impact Fees	CPI=	857,551	**118,700**	-	-	-	-	118,700	-	976,251
Regional Park Impact Fees	RPI=	862,449	-	-	-	-	-	-	-	862,449
Park Impact Fees	PIF=	-	**581,300**	309,000	318,000	-	761,600	1,969,900	700,000	2,669,900
Sale of Surplus Property Proceeds	Sale Proceeds=	1,000,000	-	-	-	-	-	-	-	1,000,000
Public Land/Bonus Density	PL/BD	280,000	-	900,000	-	-	-	900,000	-	1,180,000
	Total Capital Projects	10,851,690	**6,059,140**	18,654,780	25,332,950	6,663,290	8,869,510	65,579,670	118,871,930	195,303,290
Cumulative Allocation to Reserves			**5,922,300**							
Number of months of operating expenditures accumulated			**12.0**							

2020/21 Five-Year Capital Plan Summary Budget					
Project Year	**FY2020/21**	**FY 2021/22**	**FY 2022/23**	**FY 2023/24**	**FY 2024/25**
Project Status	Funded	Project Scoping & Schedule		Project Identification	
Revenues					
Unallocated Fund Balance	300,907,538	205,590,659	210,611,295	255,814,014	135,478,290
Estimate Revenues	225,418,054	231,881,649	241,107,890	251,506,488	263,838,296
Debt Proceeds	-	108,000,000	241,000,000	-	-
Total Revenues and Begin Fund Balance	526,325,592	545,472,308	692,719,186	507,320,502	399,316,586
Department Appropriations & Payments					
Transfers & Debt Service	104,808,549	147,650,615	142,338,820	142,256,539	143,550,414
Charter School Payments	196,028	7,162,900	7,377,800	7,599,150	7,827,100
Operations Funds	25,867,314	30,305,523	21,025,523	25,858,523	22,546,523
Technology Funds	34,131,000	17,995,000	7,405,000	7,105,000	7,620,000
Equipment/Personnel Funds	11,815,310	10,955,000	11,044,000	11,138,000	11,236,000
Total Recurring Appropriations	176,818,201	214,069,038	189,191,143	193,957,212	192,780,037
Capital Projects					
Bonita Springs ES Cafeteria Restroom	-	100,000	300,000	-	-
Cape HS Tower Restroom	330,000	-	-	-	-
Cypress Lake HS Science Wing Remodel	-	-	-	3,000,000	-
Cypress Lake MS Rebuild	-	4,000,000	28,000,000	28,000,000	-
District Annual Small Projects	211,500	-	-	-	-
District Atlas Refresh	10,526,000	12,100,000	11,445,000	200,000	200,000
District Electrical Panel Projects	1,181,609	241,080	-	-	-
District HVAC Projects	10,905,844	8,700,000	24,575,000	12,900,000	23,500,000
District Window Replacement Projects					
District Property Purchase	945,000	2,200,000	300,000	5,100,000	300,000
District Roof Projects	15,020,162	6,700,000	-	5,450,000	-
District School Technology Refresh	11,521,100	18,317,770	17,760,905	12,835,000	19,394,516
East Elementary JNew School	-	2,000,000	25,500,000	25,500,000	-
East Innovation PreK-8 New School	-	5,000,000	35,000,000	35,000,000	-
Franklin Park ES Rebuild	-	3,000,000	25,000,000	25,000,000	-
FMMA Cafeteria Remodel	300,000	-	-	-	-
FMTC Refresh	3,000,000	3,000,000	4,000,000	-	-
Gateway HS New School	48,042,925	-	-	-	-
James Stephens Pre-K Center Remodel	1,870,284	-	-	-	-
LAMS New Campus	30,575,000	-	-	-	-
NFMHS Science Wing Remodel	-	-	-	3,000,000	-
Patriot ES Classroom Remodel	300,000	-	-	-	-
Property - Taylor Lane	255,000	-	-	-	-
Riverdale HS Refresh	3,200,000	-	12,650,000	12,650,000	12,650,000
South ES K New School	1,960,214	20,413,249	20,413,249	-	-
South MS K New School	2,542,095	31,269,875	31,269,875	-	-
Tice ES New Elevator	600,000	-	-	-	-
VLMS Sidewalk Expansion	230,000	-	-	-	-
Veteran's Park K-8 Campus Expansion	400,000	2,250,000	2,250,000	-	-
Veteran's Park K-8 New PAC	-	-	-	-	650,000
West HS Expansion	-	1,500,000	9,250,000	9,250,000	-
Total Capital Projects	143,916,733	120,791,974	247,714,029	177,885,000	56,694,516

CIP Projects Summary

In October of 2019, School District of Lee County kicked-off a new CIP project selection process through which school and district administrators proposed projects for their facilities. Approximately 360 project requests were submitted; a summary of these requests is as follows:

- **20** school or grant funded projects that didn't require District funding;
- **81** small capital projects requesting District support of $250,000 or less;
- **56** large capital projects requesting District support of more than $250,000; and
- **203** maintenance projects that will be incorporated in the District's rotational work plan schedule.

The 28 large and seven small capital projects that were selected for the Capital Improvement Plan were chosen by an interdepartmental team of 25 staff members from the Operations, Business Services, Academic Services, and Information Systems Divisions. The team selected the projects that best met the District's capital planning priorities, values, and goals. As a result, the capital projects included in this year's five-year capital plan highlight and address some of the ongoing needs throughout the District.

WORKSHOP ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Florida Gulf Coast University (FGCU) Estero River Report

Description:

The Florida Department of Environmental Protection has identified the Estero River as impaired for bacteria. This means the amount of bacteria found in the river exceed the state's water quality standard.

The Village of Estero would like to better understand the potential sources that could be leading to the bacteria impairment. To help, the Village of Estero funded a yearlong effort by FGCU to identify potential sources of bacteria in the Estero River watershed. FGCU recently completed the report, which is attached.

Professor, Dr. Donald Duke will provide Village Council a summary of their work including their findings.

Financial Impact:

There is no direct financial impact related to the completed report. However, funding will be required to remove sources that could be contributing to the Estero River's bacteria impairment.

Attachments:

1. Estero River Bacteria-Nutrient Source Identification Project Final Report

Florida Gulf Coast University

The Water School

Estero River Bacteria-Nutrient Source Identification Project
Contract EC 2019-29

Final Report to Village of Estero

March 15, 2021

Principal Investigators:

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CONTENTS

1.0 Executive summary

This project consisted of a monitoring program, laboratory analysis, and data analysis for bacteria and related water quality parameters within the Estero River by FGCU personnel under contract with the Village of Estero. The primary objectives of the study were to gather information about temporal and spatial distribution of two types of fecal bacteria associated with human origins (*Enterococcus* and *Escherichia coli*, commonly called *E. coli*) in and near the Estero River, a tidal waterbody located in Lee County, Florida; and reach any possible preliminary findings about the locations of sources of those two species of bacteria. These species and others are used for regulatory purposes to indicate the presence or absence of human fecal matter, which may pose a health threat by carrying pathogens that could reach human hosts through contact with the waterbody. These organisms collectively are referred to as fecal indicator bacteria (FIB).

The study is intended to give preliminary information about distribution and potential sources in the river, as well as to begin to characterize other watershed factors that might affect the temporal and spatial distribution of the bacteria in a way that could interfere with identifying relationships between sources and measured concentration in the environment.

The results document that sampling and analyses of this type can detect cases where waterbodies do on some occasions, and in some locations, experience high or very high concentrations of FIB. The results do not, however, pinpoint particular activities or land uses that are demonstrably sources of FIB, and did demonstrate that FIB are a problem not of a limited location, a limited time, or a specific set of conditions, but that high and varying concentrations may recur at unpredictable times and locations on the target waterbodies.

The data lead to the following findings:

- Concentration of FIB was identified to be very high at some locations in the Estero River during nearly all of the seven 4-hour-long sampling events conducted across 13 months. On all but one sampling event, one or the other of the two target FIB was present in at least one location on the river at concentration at or above the laboratory detection limit of about 2400 MPN/100mL. On no occasions were those conditions sustained throughout the 5-mile sampled reach of the Estero River.

- Concentration of FIB varies very much on relatively short time frames and spatial scales. The known extreme variation of FIB transport and survival in the natural environment, along with the extreme variation in the kinds of human activities and presence of non-human organisms, compounded by the fact that many kinds of everyday activities can produce short-term, highly-localized, high-concentration conditions, severely confounds the ability of snapshot sampling such as this to

identify locations of sources. But the data do persuasively document the recurring presence of extremely high concentrations of FIB in the Estero River.

- Historical data from the period 2015 through 2020 indicates that samples with high concentrations of FIB are found in increasing frequency moving downstream in the river, though highly variable over time. This is persuasive evidence that some portion of the FIBs originate with urban / human activities, because as the river flows downstream it increases its potential encounters with short-term, episodic source events, so the probability of high-concentration samples increases. Multiple lines of evidence suggest that FIB source events are highly episodic: temporary, short-term, and varying in intensity in time and place.

- The effect of several suspected source activities (small wastewater treatment facilities, septic systems, residential lawns used by pets extending directly to river's edge, and others) on surface water in the Estero River could not be reliably differentiated from other land uses, as there were no locations where persistent high concentrations were co-located with any of the suspected sources. The findings are consistent with all those sources, and more, contributing to the periodically very-high FIB concentrations on the Estero River.

- The high-concentration conditions in the Estero River do not correspond in any obvious way with known high-precipitation events, seasonal changes in population, season-long changes in rainfall or water table changes, or identifiable tidal conditions. It is clear that multiple sources to the river affect those high bacteria concentrations, possibly including but not necessarily limited to: the neighborhood-maintained wastewater treatment facilities; densely-clustered or improperly-maintained septic systems; and runoff from community lawns.

- Groundwater sampling revealed routinely low concentrations of FIB in samples collected from surficial groundwater 1m to 2m below the surface. That was true even though several groundwater sampling sites showed high concentration of sucralose, which indicates presence of either treated or untreated human wastewater. This suggests that, when human wastes in those vicinities are transported with groundwater flowing slowly through the soils, those wastes are being effectively biodegraded by treatment systems and/or microbes in the soils, and that sub-surface groundwater flows may not be contributing FIB to environmental systems such as Estero River, if these two locations are typical of other locations in the watershed.

- On the other hand, two small surface flows, believed to convey mostly groundwater from two neighborhoods, both were extremely high in FIB, and sucralose studies showed them to be strongly affected by human wastewater. One ditch drains a neighborhood, Charing Cross Circle, that is served by septic systems; the other

drains a neighborhood, Estero Bay Village (formerly Tahiti), that is served by a small 'package' wastewater treatment plant. It is believed that in both cases, the two ditches carry groundwater that has 'short-circuited' the intended mechanisms, i.e. the wastes do not have a sufficiently long residence time in the soils for microbes to biodegrade FIB, and presumably also do not break down any pathogens that may be in those wastes. It is not clear whether these two very small flows are sufficient to affect FIB in the Estero River, but it is conceivable that, if many such flows exist along the River, in aggregate they could be a substantial source of the high FIB that are detected in some locations at some times in the Estero River.

- This "short circuiting" of the wastewater's movement through the soil has produced a condition where FIB enter the Estero River, which in turn indicates the potential presence of other potentially harmful substances originating with human wastes.
- It was expected that FIB concentration patterns would be different between wet-weather and dry-weather seasons. Instead, concentration patterns varied substantially among sampling events in each season, and no discernible pattern shows more variability between seasons than within seasons. Those effects may be present, but they do not influence the concentration at a given site or a given time to a discernible extent.
- Data support numerous previous researchers in documenting decoupled variation between different species of FIB: *E.coli* and enterococci varied independently of one another in nearly all samples.
- Genetic sequencing analysis of the samples indicates presence of bacteria known to populate the human enteric system, and other bacteria identified as markers of non-human animals. The genetic data definitively indicate presence of waste originating from both human and non-human species, but are not capable of quantifying the extent to which FIB and other bacteria originate with human vs. non-human species.

2.0 Introduction

2.1 Purpose and design of this project

This research consisted of a monitoring program for bacteria and related water quality parameters within the Estero River by FGCU personnel under contract with the Village of Estero. The research analyzed data collected for this purpose by the FGCU research team, and compared those results with historical data collected at two sampling stations by Lee County Natural Resources, focusing on the period from 2015 through 2019.

The sampling period was designed to span both wet and dry seasons, with field sampling beginning August 2019 and concluding in August 2020. Water samples were collected, tested in the field for some basic water quality constituents, and delivered to FGCU's laboratory for chemical testing to determine the concentration of the two target bacteria species and some related water quality constituents. The monitoring program consisted of five groundwater sampling locations along the Estero River; two locations in very small tributaries, also considered to be groundwater because their flow clearly originates with subsurface discharge; and "length-of-the-river" monitoring with samples collected by watercraft at about 10 sites on a single day, conducted seven times in total on the target waterbody between August 2019 and August 2020.

The project period encompassed 18 months, with the research consisting of a field sampling and laboratory analysis period of about 13 months (August 19, 2019 – September 15, 2020) and a period of data analysis, report preparation, review, and revision from April 1, 2020 through January 15, 2021.

2.2 Objectives

The primary objective of the research was to gather preliminary information about temporal and spatial distribution of two types of fecal bacteria associated with human origins (*Enterococcus* and *Escherichia coli*) in and near the Estero River, a tidal waterbody located in Lee County, Florida. The research is intended to give preliminary information about distribution and potential sources in the river, as well as to begin to characterize other watershed factors that might affect the temporal and spatial distribution of the bacteria in a way that could interfere with identifying relationships between sources and measured concentration in the environment. Those factors might include origins with non-human species (evaluated in this report); tidal conditions; precipitation volume, intensity, and timing; activities in the waterbodies such as boating; mobilization of bacteria deposits in benthic and riparian sediments; and others. The purpose of that analysis is ultimately to distinguish the influence of those environmental factors from the signature of source activities in the two watersheds. The ultimate goal is to use this information, and additional research, to identify the sources of these bacteria and consequently develop a course of

action that would control source activities and reduce the amount of bacteria in the environment.

2.3 Analyses

The analyses in this report are described in terms of "frequency of high-concentration events" at particular locations, and for the most part the report does not compute averages over time or location. Samples found to have high concentration of FIBs are termed "high-concentration occurrences," defined purely for the purposes of this report as greater than about 800 MPN/100 mL. That is not related to any regulatory standard but derives entirely from the data we are observing. The report also occasionally refers to "very high-concentration occurrences" which we define as greater than the maximum quantitation limit of the lab method applied, which is about 2,420 MPN/100mL.

The frequency of high-concentration occurrences is more meaningful to this analysis. Averages are not meaningful because a) FIB appear to originate with highly localized, episodic, short-term sources or events; b) FIB's transport in the river does not thoroughly mix them into the environmental system, but instead they are found in samples in localized patches of varying magnitude, location, and event (or species) of origin; and c) the ways in which humans may experience negative health effects do not result from long-term, average conditions but short-term exposure to pathogens, which is governed by the presence or absence of bacteria in high amounts at any one time, not the average conditions in time or place. (Negative effects of course are not experienced by all humans who happen to contact FIB at any one time, but some statistically variable proportion of exposed persons.)

3.0 Current State of Knowledge about Fecal Indicator Bacteria Sampling, Variability, and Source Identification

3.1 Fecal Indicator Bacteria (FIB)

Potential for illness from human fecal contamination of recreational waters is commonly approximated by measuring the presence of fecal indicator bacteria (FIB) found in surface water (USEPA, 2012). The effectiveness of FIB is categorized by their relationship to the presence of illness-causing pathogens, an imperfect and incomplete comparison but an implementable method in place of the impracticality of testing for hundreds or thousands of bacteria species that could be harmful to humans. Fleisher (1996) identifies gastroenteritis and nasal/respiratory illnesses as directly linked to human sewage contamination to recreational waters, and finds that gastroenteritis is the single disease of which there is a direct mathematical correlation between exposure to increasing bacterial content related to sewage pollution and risk of subsequent illness.

Analyses published in a 1986 report (USEPA 1986) identified two bacteria, enterococci and *E. coli*, as the most useful FIB, documenting a better relationship than other species with epidemiological evidence of negative effects on humans and therefore presumably with human pathogens in general. Therefore, in the US these two are most widely used as the basis for water quality criteria. Both enterococci and *E. coli* are considered useful indicators in freshwater systems, but enterococci is the only FIB that yielded a good correlation to the illness-causing pathogens in marine systems (USEPA 1986), largely because they are shown to survive better in saline conditions than *E. coli* (Borrego et al 2002; Geldreich 2002). Due to the tidal influences and brackish environment in most reaches of the Estero River suspected to potentially be contaminated by human fecal bacteria, enterococci are expected to be the target of Florida state standards for those waters.

3.2 Effectively Determining Sources: Human Sources

The ultimate purpose of this project, and ongoing studies, is to identify sources of FIB and therefore of potential fecal bacteria in the two target waterbodies. The near-term goal is to characterize variability in time and space of the FIB in the waterbodies, with the intent of using that variability to help identify locations and times of greatest FIB presence and thus deduce potential sources of FIB in the waters.

Scientists have identified and quantified fecal and sewage contamination as existing in both soil and water (Luna et al. 2016; He et al. 2017). Luna et al. (2016) state that there are many anthropogenic pollutants in aquatic sediments and the pollutants come from a variety of sources. Further, Luna et al. (2016) asserts that aquatic soil contamination is highest in urban areas and reduces to the point of being nearly non-existent as sampling moves towards the open ocean.

Lipp et al. (2001) reported results that indicate that the greatest risk of human enteric pathogens and fecal pollution is in the areas that are proximal to the areas with high densities of onsite sewage disposal systems, i.e. individual or community septic systems. Lipp et al. (2001) also cite Griffin et al. (1999) who state that groundwater is at significant risk for microbial fecal contamination in concentrated areas of septic systems. Additionally, Griffin et al. (1999) discussed research from the Florida Keys which indicates widespread contamination in surface waters that are proximal to septic systems.

3.3 Confounding Factors and Reasons Sources are Not Always Discernible: Non-Human Sources

One of the limitations of the two widely used FIB is that they originate in the colons of any warm-blooded animal, and the traditional laboratory methods have been unable to distinguish bacteria of human origin – which would be effective indicators of presence of human waste – from bacteria originating in other warm-blooded species (Borrego et al.

2002; Geldreich 2002). It has been widely assumed that human fecal bacteria are the primary, or only, sources of negative health effects, though the current EPA guidance recognizes that some negative health effects may originate with the wastes of non-human sources and those potential impacts should not be overlooked (USEPA, 2002). It should be noted that the kinds of potential health effects do not include the most virulent pathogens, those that wastewater treatment is designed to eliminate, but other risks are less well understood and vary widely from the health effects known to be possible when recreational waters have been contaminated with human sources (USEPA, 2012). At present, the analysis of FIB continues to be focused on identifying potential sources of fecal bacteria of human origin, so the potential presence of bacteria originating with non-human organisms is an important confounder.

It is valuable to be able to distinguish human and non-human sources, and Microbial source tracking (MST) has the potential to be a useful tool in helping to understand potential sources of fecal contamination in recreational waters.

Ahmed et al. (2015) discuss how microbial source tracking methods are able to differentiate between human and non-human sources of fecal pollution within environmental waters and even identify specific hosts. Ahmed et al. (2015) cite Unno et al. (2010) as having created a method for identifying sources of fecal pollution within South Korean waterways and specifically differentiate between human and bovine fecal sources.

One method of source tracking that has been proposed and tested is species differentiation within *Enterococcus* using multiplex PCR methods (Layton et al. 2010). This method uses several fecal samples from various sources, human, dog, gull, etc. and amplified targeted *Enterococcus* species to examine which species of *Enterococcus* are present in the different samples. This method effectively created species fingerprints, however there is variability with this as the samples are regionally based and as environmental variability can affect the ability of certain species of *Enterococcus* to be amplified. Another detail to consider is that almost all species targeted appeared in the samples from each type of host, making it impossible to name one single species of *Enterococcus* as an effective way to track human sources (Layton et al. 2010). The method can identify presence or absence of human-originating FIB among the multiple species of sources in a given environmental system, but when other species are also present, the method typically cannot determine the relative amounts of waste originating with each species.

3.4 Confounding Factors and Reasons Sources are Not Always Discernible: Variability in the Environment

Identifying sources is complicated by the known high variability of concentrations of FIB in the environment. A study of near-shore waters at bathing beaches by Boehm

(2007) determined that concentration of enterococci can change hourly, including changing within one hour from concentration less than the recommended Federal criterion of 130 cfu/100 ml to well in exceedance of that criterion. Other studies including Clemente (2018) document that nearshore marine waters are highly variable because they are subject to mechanical mixing by tides, rip currents, wave action, varying runoff, varying wildlife activity, and others - including the potential for wave and tidal action to resuspend bacteria in sand, soils, and sediments, so the complex causes for variation have not been fully understood or modeled.

Flowing streams appear to have similar variability, as described by Crosby et al (2019), to an extent that appears comparable to the variation in beach waters. The tidal riverine and estuarine systems of southwest Florida experience some of these same factors, complicated further by changing tides in the constricted channels, resuspension of sediments by human recreational and boating uses, and varying activities such as lawn care, pet activities, and wildlife on the riverbanks. These too are not fully understood, not predictable with information that agencies are in a position to collect, and not readily subject to detailed models that can quantify their effects on the number of bacteria observed at a given moment in a grab sample from the aquatic environment. Therefore the results of this analysis are necessarily highly approximate and subject to unforeseen variability, though they would be sufficient to identify any powerful, sustained sources, and are useful to develop a general idea of the long-term conditions in various reaches of the waters.

3.4.1 Sediments

Luna et al. (2016) pointed out that "sediments are environmental reservoirs of fecal bacteria" and that is necessary to use the more modern methods in order to ensure that bacteria are related and traceable to a current pollution source, rather than being of a persistent nature in the soil (2016). Yamahara et al (2007) described presence of FIB in beach sands and identify those sediments as diffuse sources of bacteria to coastal waters. Ahmed et al. (2015) discussed using a variety of methods to determine the source and viability of the bacterial population.

3.4.2 Weather and Tidal Influences in Coastal Waters

Weather and natural factors' influences on coastal water bacteria levels from tidal cycles and other weathering conditions have been a concern for varying levels of FIB. Storm surges and runoff are known contributors to FIB in coastal waters. Tidal influences on bacteria have shown mixed results in previous studies and have been analyzed in a number of different ways. Tides modulate water with land and can potentially mix polluted land surfaces with natural waters. A study conducted in tropical waters in California showed a tidal influence on only half of their sampling stations, where they identified FIB in higher abundance during low tide (Santoro and Boehm, 2007). Other studies conducted in

tidally muted areas, like wetlands controlled by flow gates that would only have tidal changes during storm surges, also showed diminished concentrations of FIB during high tide as the wetlands act as a natural sink for bacteria (Johnston et al., 2015). Past studies have shown statistical correlation of FIB and tidal associated process, dilution and salinity having a significant effect on rainfall and temperature impacts on bacteria concentrations. Tides have the ability to change the properties of a water body like salinity and dilution which can affect FIB concentrations. Evaluating FIB in tidal estuary systems can be very complicated due to the mixing of marine and freshwater and the effects that each has on FIB concentrations (Johnston et al, 2015).

3.5 Estimating Sources using Multiple Lines of Evidence

Analyzing FIB is a well-established method, available to most environmental laboratories, and less costly per sample than other methods in the attempt to determine the potential presence of human waste in recreational waters. But that approach can be improved. The best currently available means is to consider multiple lines of evidence, that is, FIB in combination with one or more of three emerging methods: microbial source tracking (MST); chemical tracers; and stable isotopes of nitrogen. These are further explained below. None of these by itself is definitive, but the three taken together can give reasonable confidence in an assessment of presence or absence of human waste in a target environmental system. A recent study conducted for the Caloosahatchee River and small tributaries at North Fort Myers demonstrated assessment using multiple lines of evidence. (Lapointe et al., 2018). The approach used in the current study was to rely primarily on FIB analysis, quantifying FIB at as many times and places as fuinding allowed, then adding a limited number of combined approaches to increase confidence in our assessment of the presence or absence of human waste in the Estero River. Characterizing variability of FIB and of nutrients in the target waters is a means to identify locations and times of greatest concentration and thus potential sources, while the other three methods give information as to whether the sources are human in origin.

3.6 Chemical Tracers: Sucralose

FIB such as *E. coli* and enterococci are used for regulatory purposes because they are believed to associate with human fecal pollution, which is a health threat because it potentially contains pathogens harmful to humans. However, both those FIB species are also found in the fecal matter of other warm-blooded animals. Non-human fecal matter is not believed to be strongly associated with pathogens harmful to humans. Waters of the U.S. are believed to commonly have FIB that originate with various domestic animals and wildlife (e.g., cows, chickens, gulls, other avian species, and others) (Byappanahalli et al. 2012). The counting of these bacteria (as in Sections 7 and 8 of this report) does not indicate the organism that was the source of the bacteria.

One method to determine whether human fecal matter may be present is to test for chemical tracers in the environment. Chemical tracers are any substances that originate with human waste and that are persistent in the environment; that is, they are not broken down during wastewater treatment and do not biodegrade in the environment; and that are not known to originate with any source other than human waste. Typically these are complex synthetic organic substances consumed by humans in processed food, beverages, or pharmaceuticals that pass through the human body and are excreted in urine and/or fecal matter.

Several tracers have been tried and found effective to varying degrees as indicators of potential presence of human waste and its attendant health effects. These include sucralose, an artificial sweetener; acetaminophen, a pain relief medication; caffeine; and others. None of these tracers in themselves is potentially harmful to human health in the minute quantities found in environmental systems, so they are not the subject of any numeric standards. The advantages of the chemical tracer approach are that they are much more stable than FIB, which may biodegrade or change form in a matter of days; they reliably indicate presence of human waste, as they do not originate in any other ways (except in rare cases of spillage into the environment); and they are source specific, that is, they are relied on to originate only with humans, while all known enteric bacteria that originate with humans also are known to originate with some, or many, other warm-blooded animals.

This project tested for sucralose. Sucralose is highly water-soluble and resistant to microbial degradation but does not bioaccumulate in the body of aquatic organisms. Advantages in using sucralose include that it persists in environments for up to 4 years and is highly resistant to degradation in the human body and in a typical biological wastewater treatment plant (Soh et al. 2011). But it is much more mobile in the environment than FIB because sucralose is highly soluble (Mawhinney et al. 2011), so sucralose is effective at indicating whether human waste was present in a multi-year period, well beyond the persistence of the two target FIB, which is a maximum of 30 to 60 days in soils and even less in aquatic environments (Anderson et al. 2005). Sucralose may easily be more widespread (Mawhinney et al. 2011) compared to any FIB or other human-originating bacteria that may cause health effects. No toxicity or other adverse effects have been reported from sucralose in aquatic plants, algae, crustaceans, or fish (Tollefsen et al. 2012).

Sucralose is carried into Florida waters along with discharge originating with any treated or untreated waste. That includes any centralized wastewater treatment system or high-density septic systems operated at individual residences. Sucralose enters a waterbody in treated effluent from treatment plants; by moving through groundwater from a septic system; or conveyed by stormwater runoff from soils or surfaces where wastes have accumulated.

Typically analyses for sucralose focus on groundwater, because it may be concentrated in soils or groundwater in the vicinity of a septic system, and it moves more slowly in groundwater than surface water – even while it moves much more rapidly than FIB or a substance that sorbs to soil particles, because sucralose is highly soluble in water. Once groundwater carrying sucralose enters a surface waterbody, the sucralose is highly diluted based on the size of the water body. The concentration of sucralose in groundwater typically is found to be one order higher than the river water, as in the study by Lapointe et al. (2017) in the watershed of the Caloosahatchee River in North Fort Myers. In that study, sucralose ranged between 215 and 790 ng/L in the Hancock Creek and 673 and 968 ng/L (Lapointe et al. 2017). In another study, a much higher concentration of greater than 5,000 ng/L of sucralose was been documented from multiple samples collected from the St. Lucie Estuary watershed (Lapointe et al. 2018). That finding suggests we should expect sucralose to be found in the upper part of that range in the Estero River.

3.7 Biological Tracers: Genetic Sequencing

Biological tracers are another method used to help determine whether any FIB identified in the environment originated with human or non-human warm-blooded animals. *E. coli* and *Enterococcus,* which are used as FIB for regulatory purposes because they can be readily identified and quantified by existing laboratory methods, but they are known to populate the gut of many warm-blooded animals, so their presence and magnitude do not show evidence of whether their source was human or non-human. As noted in Section 3.6 above, non-human fecal organisms are not believed to be widespread sources of health effects in humans, so we would like to be able to determine whether any fecal bacteria found in a sample identified with humans or other animals.

Source-specific tracking methods using a molecular identification platform (Chern et al. 2009; Kreader 1995) analyze the DNA of a wide range of bacteria found in the environment, not limited to enterococci and *E. Coli*. Rapid advances in the DNA sequencing methods, over the past decade continuing through today, allow us to use DNA sequencing to identify many more species of bacteria than previously recognized. The method could be an important supplement to the conventional laboratory analysis for *E. coli* and enterococci. However, the current state of knowledge has not identified any species of bacteria that are routinely, exclusively found in any particular organism. Therefore DNA identification of bacteria species, as a biological tracer, supplies important evidence about whether non-human animals may be present in a given environment, but not definitive evidence.

Some gut microbes are found more commonly in some animals than others. For instance, the gut microbial flora of birds is characterized by a lower abundance of Firmicutes and Bacteroidetes and a higher abundance of Actinobacteria and Proteobacteria in comparison with non-flying mammals (Grond et al. 2018). Species found to be present in

high amounts in southwest Florida tidal and brackish waters include the class Gammaproteobacteria, which includes a variety of pathogenic bacteria (e.g., *Aeromonas*, *Escherichia*, *Legionella*, *Pseudomonas*, *Salmonella*, *Vibrio*) and ecologically important bacteria (e.g., *Alcanivorax*, *Beggiatoa*, *Methylomonas*, *Nitrosococcus*). Alphaproteobacteria widely inhabit natural environments, particularly saline environments. Alphaproteobacteria are a good indicator of the presence of seawater (Garcia et al. 2015; Urakawa and Bernhard 2017).

A great advantage of the direct DNA sequencing method over traditional cultivation methods is that it is possible to detect and identify multiple functionally different

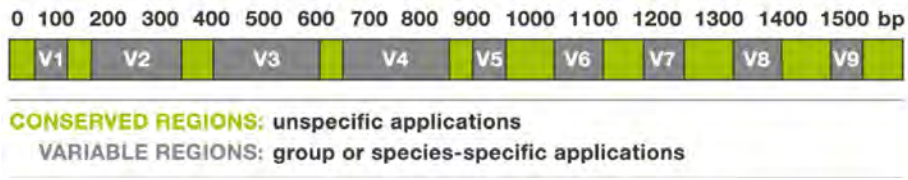

Figure 3.1. Location of conserved and variable regions of 16S rRNA gene. In this research, we use V3 and V4 regions to identify microorganisms (credit, alimetrics.net).

microorganisms in a single analysis. There is no need to prepare each cultivation medium for each group of bacteria; for example, using traditional methods separate media would be needed for cyanobacteria and *E. coli* because cyanobacteria do not grow in the medium used to culture *E. coli*.

A method using 16S rRNA gene sequences has been widely used for classification and identification of Bacteria and Archaea. This conserved gene marker is considered the "gold standard" of recent microbiome studies. The length of the gene is approximately 1,500 bp and the gene contains multiple conserved and variable regions (V1 to V9 regions) (Figure 3.1). This project used high-throughput DNA sequencing (amplicon sequencing) using the 16S rRNA gene, which has been extensively used in recent microbiome studies and has a potential to be used for FIB tracking.

4.0 Historical Data, Lee County Natural Resources

Samples have been collected by Lee County Natural Resources on a once-monthly basis since about 2000 at several sites on or near the Estero River. Two of those same sites were used also by the FGCU project to collect our data, and the sites appear on the maps of FGCU sampling locations. The Lee County Environmental Laboratory has conducted analysis of samples for a number of chemical constituents and for two types of bacteria, *Enterococcus* and *E. coli.* The laboratory method for enterococci has been modified periodically as USEPA had updated its guidance about preferred laboratory methods. The latest date when the Lee County labs changed their analysis method occurred in 2015. The methods are sufficiently different from one another that it is questionable to compare data developed by one method to data developed by another, and so this summary uses Lee County enterococci data only for the period January 2015 through December 2019. The data for *E. coli.* were graphed for a similar period, June 2016 through December 2019, to allow for a consistent comparison.

4.1 Historical Data for Enterococcus and E. coli

The graphs in Figures 4.1 through 4.6 were prepared by FGCU researchers using data provided by Lee County Environmental Laboratory in December 2019. The graphs show the concentration of *Enterococcus* and *E. coli* at three locations on the Estero River.

The data in Figures 4.1 through 4.6 show the extreme variability of FIB in Estero River samples across the period of record 2015-2019. In 60 samples collected once per month over the period January 2015 through December 2019, at the Riverwoods site (mile 3.2), on 11 occasions the concentration of enterococci exceeded the laboratory maximum of about 2,400 MPN/100mL. On 22 occasions the concentration of enterococci was less than 250 MPN/100mL, and on a total of 40 occasions the concentration of enterococci was less than 500 MPN/100mL.

Further upstream, in 60 samples over the same period at the Route 41 site (mile 4.6), on only 2 occasions the concentration of enterococci exceeded the laboratory maximum of about 2,400 MPN/100mL, but on 5 other occasions the concentration was between 1,000 and 1,500 MPN/100mL. At the furthest upstream site for which samples were collected, the Three Oaks bridge over the North branch of Estero River (mile 6.2), there were no samples in which *Enterococcus* were as high as 600 MPN/100mL - only one sample at 550 MPN/100mL, one other at 310 MPN/100mL, and all others less than 200 MPN/100mL. Even at this site the Estero River would not meet the numeric TPTV (ten percent threshold value) target for enterococci, because 8 of the 60 samples were measured at greater than 130 MPN/100mL. The samples for *E. coli* at Three Oaks do meet the TPTV at that site, which is 410 MPN/100mL for *E. coli.*

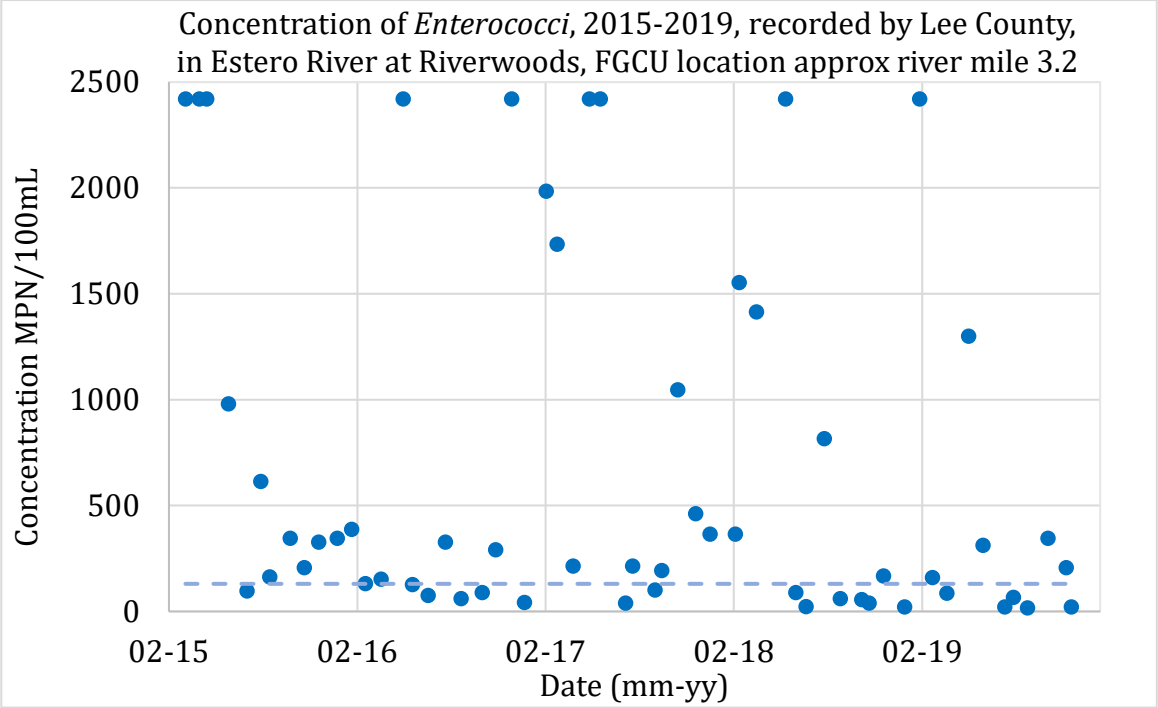

Figure 4.1. Enterococci concentration reported by Lee County Natural Resources at Riverwoods sampling site, near FGCU sampling site G10, January 2015-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 130 MPN/100mL for enterococci.

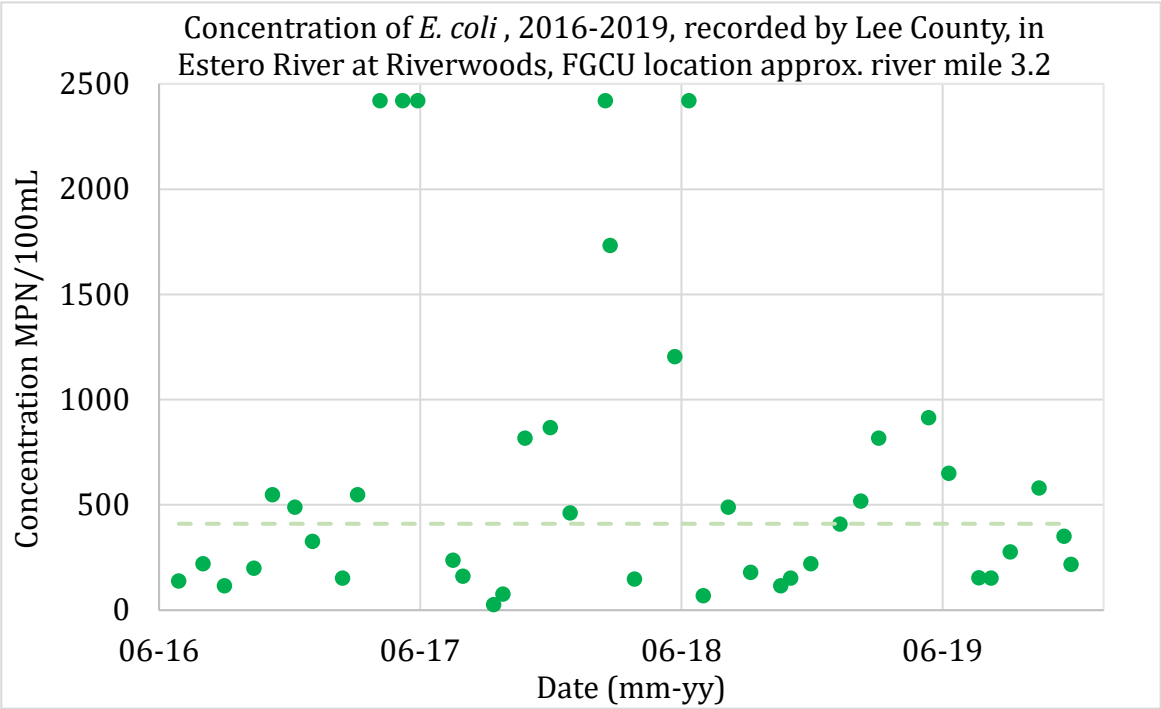

Figure 4.2. *E. coli* concentration reported by Lee County Natural Resources at the Riverwoods sampling site, near FGCU sampling site G10, June 2016-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 410 MPN/100mL for *E. coli.*

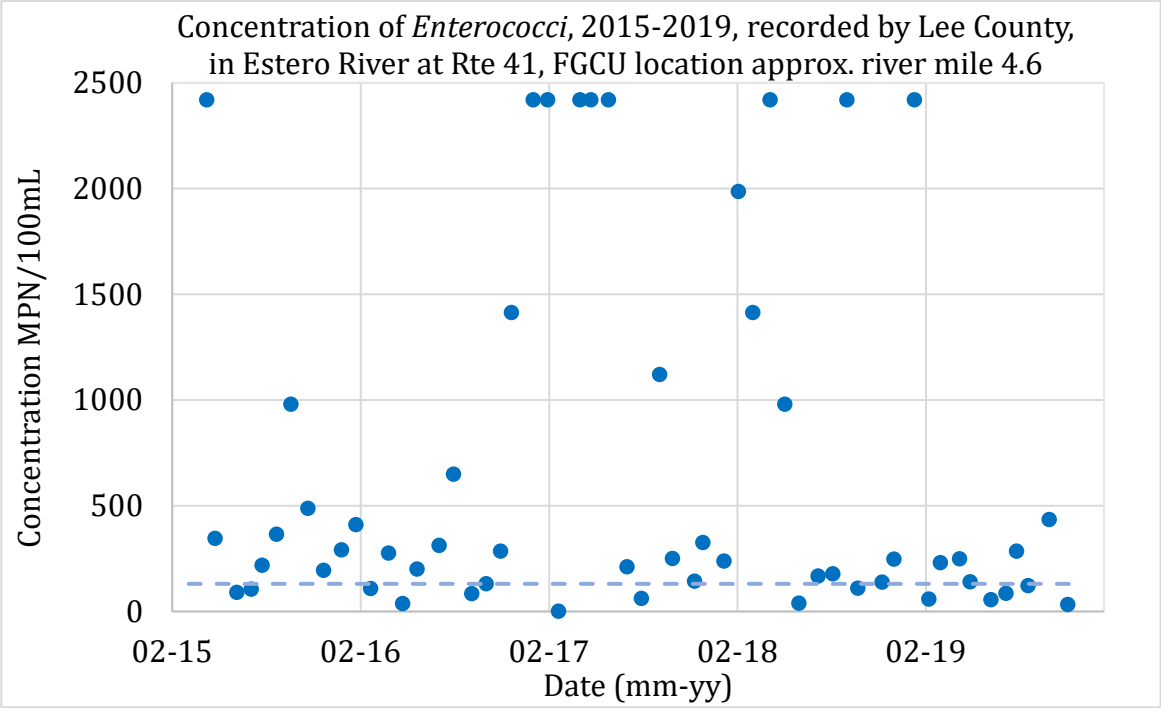

Figure 4.3. Enterococci concentration reported by Lee County Natural Resources at the Route 41 Bridge sampling site, near FGCU sampling site G04, January 2015-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 130 MPN/100mL for enterococci.

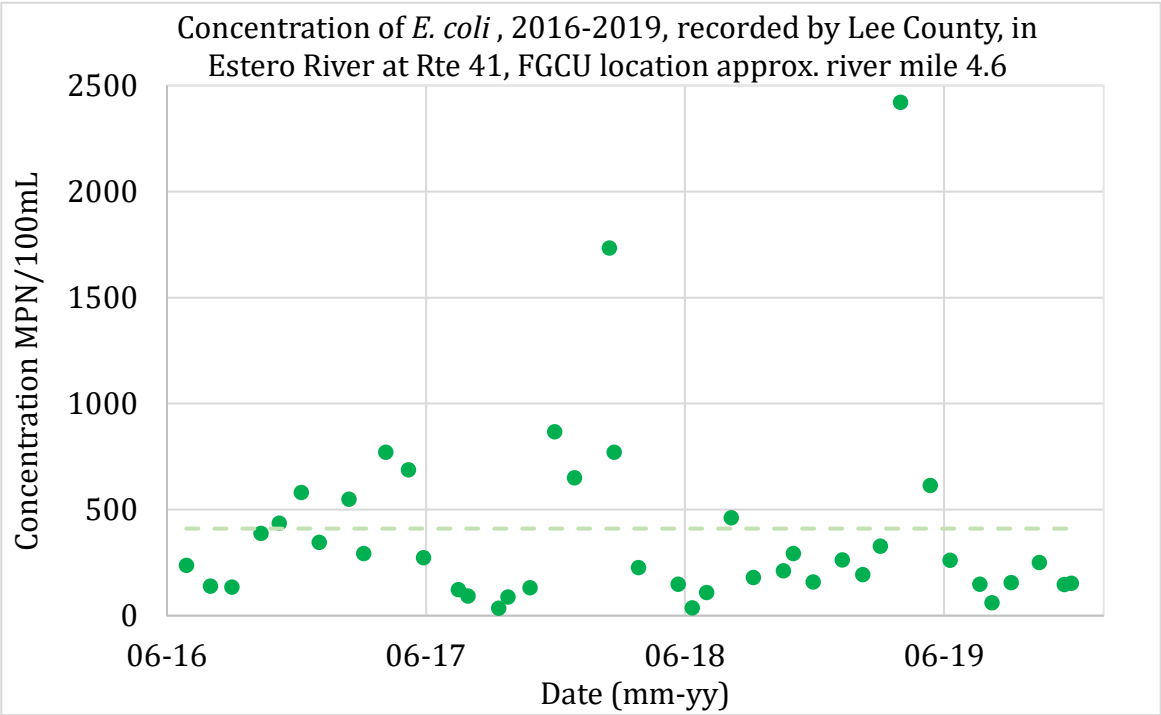

Figure 4.4. *E. coli* concentration reported by Lee County Natural Resources at the Route 41 Bridge sampling site, near FGCU sampling site G04, June 2016-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 410 MPN/100mL for *E. coli.*

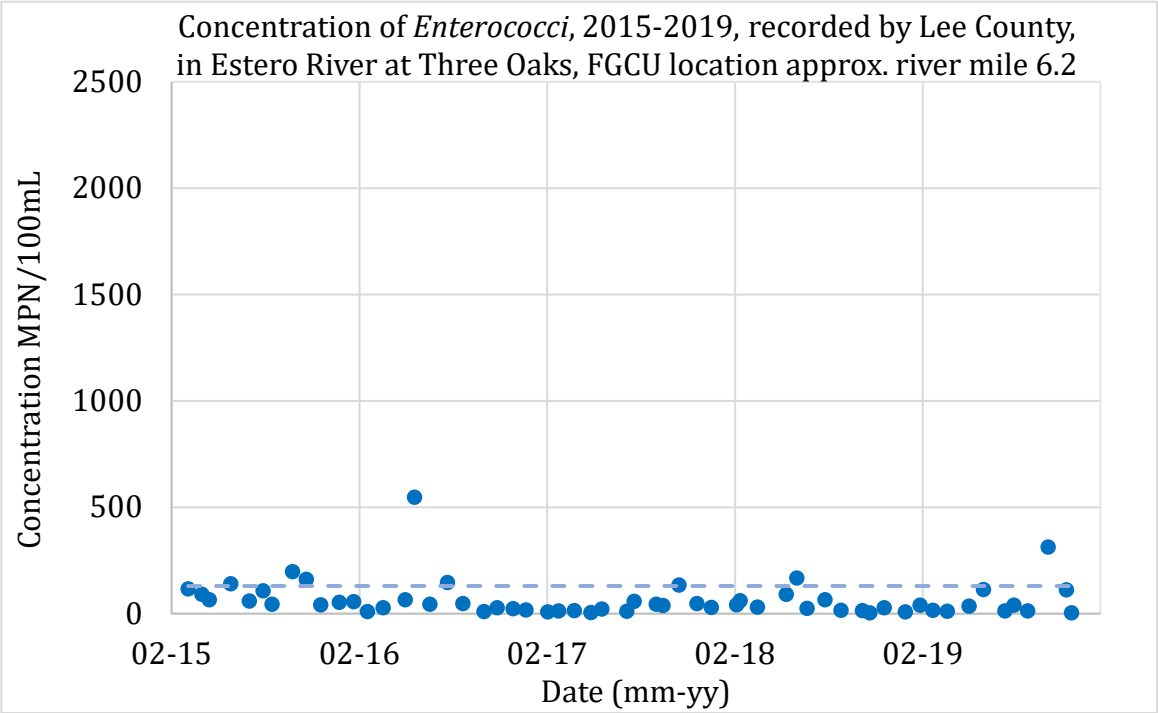

Figure 4.5. Enterococci concentration reported by Lee County Natural Resources at the Three Oaks Parkway sampling site, January 2015-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 130 MPN/100mL for enterococci.

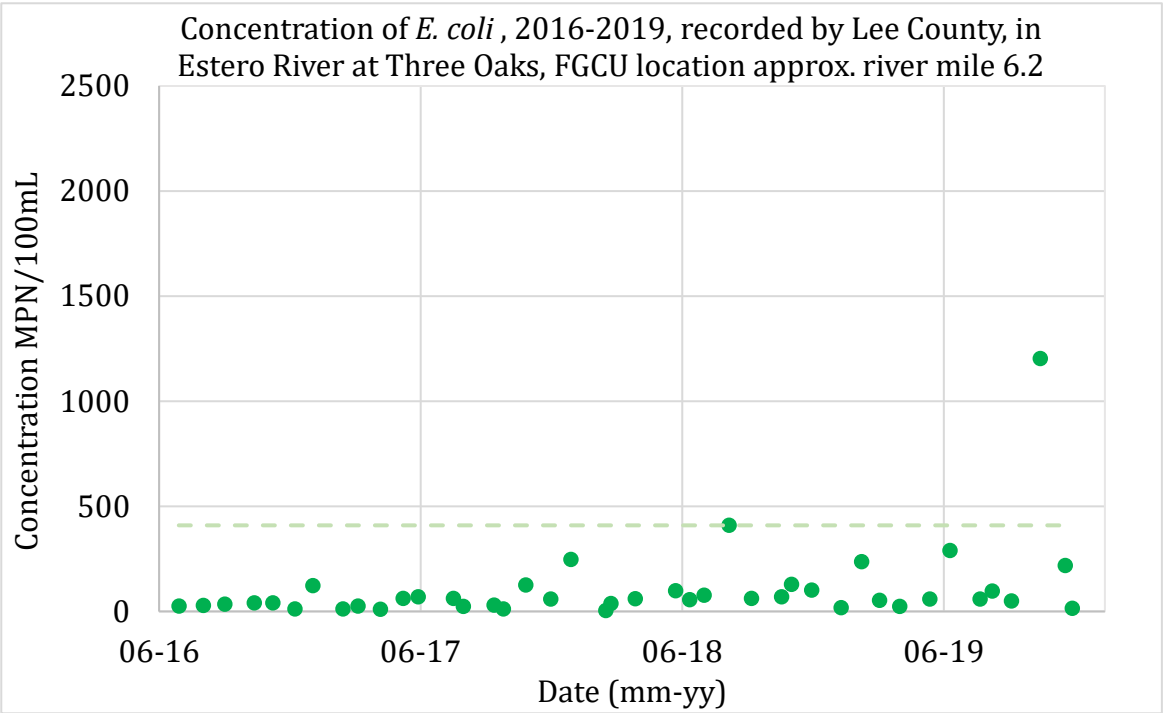

Figure 4.6. *E. coli* concentration reported by Lee County Natural Resources at the Three Oaks Parkway sampling site, June 2016-December 2019. Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 410 MPN/100mL for *E. coli.*

4.2 Lack of Seasonal Trend in Historical Enterococci Data from Lee County

The graph in Figure 4.7 groups the MPN data for *Enterococcus* collected by Lee County Environmental Laboratory for one site, the Route 41 Bridge, in divided into wet and dry seasons. The graph displays the mean and the 95% confidence limit for the mean. The data show no statistically significant trend for difference between the two seasons. While the mean enterococci concentration is visibly less during wet season than dry, the fact that the confidence limit does not overlap demonstrates the two means are not different from one another within the target of 5% significance. Visual inspection shows that the 2 extremely high events (higher than laboratory maximum of 2,400 MPN/100mL) both occurred during dry season, but the other 5 high events were divided between dry (2 events) and wet (3 events) seasons. The graph also displays how the low-concentration events of less than 250 MPN/100mL were also divided between seasons, with 7 occurring during dry season and 15 during wet season.

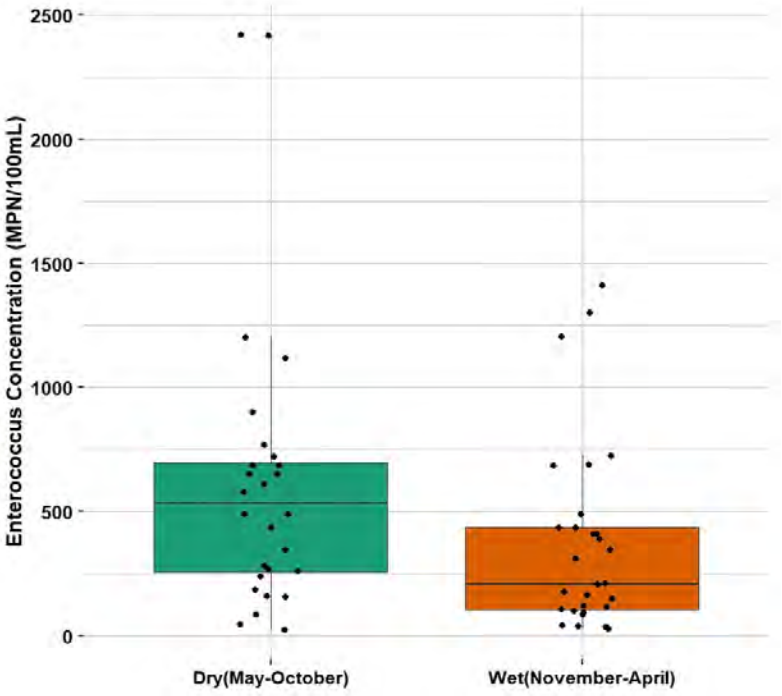

Figure 4.7. Enterococci concentration reported by Lee County Natural Resources at the Route 41 Bridge sampling site, near site G04 for this project, January 2015-December 2019, disaggregated by wet weather season vs. dry weather season.

5.0 Project Sampling: Locations and Frequency

Data were collected by two monitoring approaches. Surface water samples were collected from 10 sites on the Estero River, seven by boat and three from the riverbank at upstream, narrow-access sites, collected on seven occasions within a 4-hour sampling time ("length-of-the-river" sampling); and 7 groundwater sites, five from fixed devices installed in the surface soils and two from small surface flows that are confidently assumed to be carrying groundwater discharge. Surface water sampling events were conducted from August 2019 through August 2020; and groundwater sites were assessed with 9 sampling events completed from September 2019 through August 2020.

5.1 Length of River Surface Water Sampling Sites

The purpose of this part of the sampling strategy was to collect data for dry and wet weather conditions at multiple locations on the Estero River. The intent was to provide data on a finer resolution than that of the long-running, once-monthly Lee County sampling program, and to determine whether bacteria concentration varies on a shorter spatial scale than the existing data could detect.

Executing this strategy required mobilizing a boat and collecting samples from as large a section of the river as could be completed in one day while still delivering all samples to the laboratory for analysis within 6 hours of the first sample collection, in order to meet the 6-hour holding time specified by the EPA-approved laboratory method for bacteria testing.

The design was to collect data at between 8 and 10 locations within a reach of approximately 5 miles, extending from near the mouth on Estero Bay (where conditions would be dominated by mixing from tidal and wave actions) upstream through the populated areas, or as far as the FGCU watercraft could access. The data are expected to determine whether potential sources of bacteria on the waterbodies can be detected using this kind of targeted sampling, or if not, to deliver some information on any locations in the waterbodies that routinely or occasionally show high bacteria concentrations that may relate to locations or activities that contribute bacteria to the waterbodies. The sampling sites are more closely-spaced, and thus the data are at higher spatial resolution, than any previous study on those target waterbodies; and as far as we know, higher resolution than any study of bacteria in our region other than the comparably-spaced sampling on the Imperial River and Spring Creek, conducted by this research team through the same approximately 12-month period.

The sampling events were designed to capture about 3 to 4 samples each during the wet season and the dry season, based on the hypothesis that source activities, bacterial transport, and bacterial survival in the environment may be different between wet and dry seasons. The sampling period was intended to be August 2019 to March 2020. The plan was modified to extend through August 2020, accommodating an unexpectedly early end to the wet weather season in fall 2019, when so little rainfall occurred after September 1,

2019 that the waterbodies were essentially experiencing dry weather conditions after that day. One length-of-the-river sampling event was conducted during the 2019 wet weather season, and two others during the wet season in July and August 2020. Sampling was conducted on dates shown in Table 5.1.

Table 5.1. Sampling dates of length-of-the-river sampling.

Wet Season		Dry Season	
Date sampled	Number of sites	Date sampled	Number of sites
August 19, 2019	7	September 18, 2019	7
July 14, 2020	10	November 13, 2020	10
July 28, 2020	10	April 8, 2020	10
August 10, 2020	10		

The project team used a motorized Jon boat owned by FGCU to collect samples at various points along the Estero River. The sampling locations were selected during the first boat trip, with the goal of approximately 2 locations per river mile, and using professional judgment about the potential influence on the waterbody of adjacent land uses and tributaries. Sites were selected at greater density in areas of more intense land use and in reaches where more tributaries entered the main stream. The locations are shown in Figure 5.1, and the coordinates, unique identifiers, and 'river mile' are shown in Table 5.2. The table shows the location name assigned for this project; the unique project identifier, a term assigned by the FGCU laboratory and field crews; and the 'river mile' for each site. The 'river mile' was measured using coordinates collected in the field during the first sampling event and mapped by FGCU researchers using GIS methods, assigning an arbitrary 'mile 0' representing a point at or near the mouth of the Estero River.

Table 5.2. Sampling sites on Estero River

Site name	River mile	FGCU unique identifier	Coordinates	
Armada Ct below canal	2.31	G12	26.43574	-81.8372
Estero Ct above tributary	2.56	G11	26.43411	-81.8338
At boat launch near Broadway (Lee County 47A-4GR)	3.17	G10	26.44	-81.8278
Below Tahiti	3.51	G01	26.43745	-81.8233
At Koreshan boat launch	3.96	G02	26.43802	-81.8187
At Sunny Grove	4.23	G03	26.43698	-81.8149
Below Rt 41 bridge (Lee County 47A-15GR)	4.58	G04	26.43492	-81.8106
At Sandy Lane bridge	4.95	G08	26.43474	-81.8049
S Branch – Country Ck Dr bridge	5.52	G05	26.43334	-81.7966
N Branch – Country Ck nr Candlewood Hollow	5.74	G06	26.4412	-81.7956

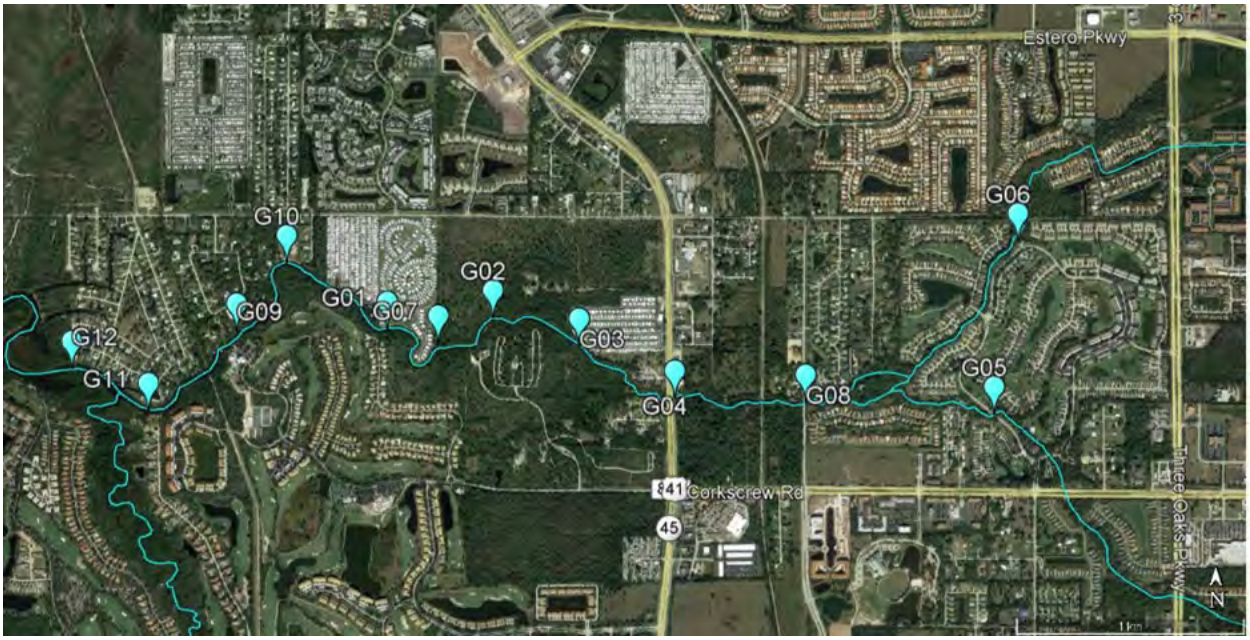

Figure 5.1. Aerial image showing ten sampling sites on the Estero River used for length-of-the-river sampling. Courtesy of Google Earth imaging.

5.2 Groundwater Sampling Sites

Groundwater samples were collected from five piezometers, each about 2 m deep. These were installed for purposes of this project, with permission of three landowners (the Koreshan State Park, the Estero Bay Village development of manufactured homes (known as Tahiti at the time of our sampling), and an individual landowner in the Charing Cross development). Additional samples, considered to be groundwater indicators also, were collected from two small flowing drainage conveyances, one found on the Estero Bay Village neighborhood and the other on the Charing Cross property. Groundwater sampling locations are displayed on Figure 5.2.

The seven sites were:

- At Koreshan State Park, site A04, on the south side of the Estero River approximately 5 m inland of the river's edge. This was selected as a control site because there is no development or permanent residence in the State Park. The site is more than one kilometer from any other developments on that side of the river, though potentially affected by the State Park's public restrooms which are about 300 m from the site. All other groundwater sampling sites are on the north side of the river: this site is about 200 m upstream (east) of the nearest other site, at the eastern edge of the Estero Bay Village neighborhood.

- In the Estero Bay Village neighborhood: site A01, at a point about 5 m from the river's edge, separated by from the river by a concrete retaining wall.

Figure 5.2. Aerial image showing five water-table sampling sites near the Estero River used for groundwater sampling. Courtesy of Google Earth imaging. Site G07, the "Tahiti Ditch," was at the same location as groundwater site A02. Site G09, the "Charing Cross Ditch," was at the same location as groundwater site A05.

Table 5.3. Sampling dates of groundwater sampling

Wet Season		Dry Season	
Date sampled	Number of sites	Date sampled	Number of sites
June 29, 2020	7	September 25, 2019	4
July 29, 2020	7	October 9, 2019	4
August 4, 2020	7	October 30, 2019	6
		November 25, 2019	7*
		January 15, 2020	6
		April 1, 2020	7**

*includes site G09 sampled on Nov. 13
**includes site G09 sampled on April 8

- In the Estero Bay Village neighborhood: site A02, less than 5 m from the edge of the Estero River at the eastern edge of the development adjacent to land managed as an open preserve by Koreshan State Park, separated from the preserve land by a small flowing ditch that conveyed water throughout the year, both wet weather and dry weather seasons. Upstream of the sampling site, the ditch runs parallel to the western edge of two wastewater treatment lagoons that form part of a treatment system, installed in approximately the 1950s, that collects and treats domestic wastewater from

the approximately 150 residences in the Estero Bay Village neighborhood. The ditch is about 5m from the edge of the nearer lagoon, separated by a raised embankment.

- In the Estero Bay Village neighborhood: site A03, about 20 m from the southwest corner of the treatment lagoon, about 100 m inland from the Estero River.
- In the Estero Bay Village neighborhood: site G07, immediately adjacent to the shallow groundwater sampling device, the project also collected samples from the flowing surface water in the small drainage ditch.
- In the Charing Cross Circle neighborhood: site A05, within 5 m of the river's edge, immediately adjacent to another small conveyance, on the property of an individual who gave permission to install and access this device for purposes of this project. This site was selected because the approximately 28 homes that front Charing Cross Circle are served by septic systems, which can be considered a potential source of bacteria to the Estero River of the kind this project was intended to assess.
- In the Charing Cross Circle neighborhood: site G09, immediately adjacent to the shallow groundwater sampling device, the project also collected samples from the flowing surface water in the small drainage ditch.

The two small drainage systems were sampled as part of the groundwater analysis because it is clear they convey groundwater in addition to their intended purpose of conveying stormwater in the immediate aftermath of a precipitation event. Both ditches were observed to continue flowing year-round, even through the driest weather, which is strong evidence to suggest they convey groundwater discharge. The two channels are both in areas where year-long groundwater flows can be expected: one as groundwater contributed from the standing water of the Estero Bay Village treatment lagoon, and the other as routine flows from the septic systems in the Charing Cross neighborhood.

Table 5.4. Groundwater sampling sites near the Estero River

Site name	River mile	FGCU unique identifier	Coordinates	
Estero Bay Village near retaining wall	3.70	A01	26.43667	-81.8219
Estero Bay Village near "ditch"	3.78	A02	26.43693	-81.8211
Estero Bay Village near lagoon	3.70	A03	26.4375	-81.8215
Koreshan near boat launch	3.96	A04	26.4367	-81.8201
Charing Cross	2.90	A05	26.43729	-81.8299
Estero Bay Village "ditch"	3.78	G07	26.43693	-81.8211
Charing Cross "ditch"	2.90	G09	26.43729	-81.8299

6.0 Project Sampling: Field Methods

Sampling for this project was conducted under carefully controlled conditions to avoid contamination to the maximum extent possible. FIB can be difficult to separate from other bacteria commonly found on human skin, on clothing, and in human breath and perspiration. Sampling was performed by personnel wearing nitrile gloves. Samples for FIB in surface waters (0 to 30 cm) were directly collected using a 50-ml syringe to avoid contamination from a sampling gear. Syringes that remained within sterile factory packaging were used to fill surface water into sterile coliform water sample bottles (100-mL) contain sodium thiosulfate, with the inside of the bottle carefully prevented from contacting gloves, breath, or the exterior of the syringe. The coliform water sample bottles were immediately sealed in a newly-opened plastic food bag to avoid further direct contact with ice. The ice-filled cooler used for transportation was maintained at less than 8°C.

The samples were handled in such a way as to inactivate bacteria, using preservatives in every bottle and burying each bottle in ice for transport to the lab. That is done because FIB that may remain active after removal from the environment may reproduce; or may be digested by other bacteria that may be present. Either would lead to inaccurate estimates of their presence in the environmental compartment being sampled. The samples were delivered to the laboratory so that analysis could begin within 6 hours of the sample being removed from the environment, in conformance with USEPA guidance for testing for FIB.

Surface water samples for nutrient analyses were collected in 1-L acid-washed brown plastic bottles. Nutrient samples were collected by personnel wearing nitrile gloves, but because no preservative was used within the bottle, the sample was collected by inserting the bottle into the water. Bottles were double-rinsed before sampling, then the sample was collected elbow-deep in the waterbody and capped underwater, to avoid contact with the water surface layer which is populated by different organisms than water below the surface. Bottles from each site were sealed in a ziplocked plastic bag immediately buried in ice in a large cooler. Because bacteria may remain active after removal from the environment, which may include consumption or modification of some nutrient substances, all bottles were immediately cooled by burying in ice in an insulated cooler, to inactivate any bacteria in the sample.

Groundwater sampling was accomplished using the same sample handling, cooling, and laboratory analysis methods, but with additional field techniques to extract water from the groundwater sampling devices, or piezometers. The piezometers were installed during the early dry season in September 2019. They consisted of 2-inch diameter PVC Schedule 40 pipe (2.5 foot long of 2”-diameter screened pipe coupled with an adequate length of 2”-diameter riser), inserted into a 3” diameter borehole about 1.5 m to 2 m deep dug with a hand auger. A 4”-diameter casing was used to aid in the digging of the borehole to prevent the collapse of the wall of the hole. The piezometer was fitted into the 4” casing with the screened section encapsulated in a 3”-diameter sock filled with silica sand 20-30 (Standard

Sand & Silica Co.) topped with a 6-inch length of bentonite pellets, also encapsulated in the sock. After installing the pipe and sock, the casing was removed and the bore hole was refilled, to the top of the sock, with the excavated materials. Then bentonite gravel (enviroplugs) was poured into the hole, forming a seamless plug along with the bentonite inside the sock, preventing surface water from penetrating into the sampling device. The hole was then filled to the top with the excavated materials. The pipe extended above the surface by 6 inches to 2 feet for easy access. The devices were sealed with a cap atop the protruding pipe to prevent precipitation, debris, or organisms from entering from the top.

The exact installation depth was selected separately for each piezometer, chosen to ensure that the screened section of pipe extended 50 cm or more into the water table when installed (early in the dry season when the water table was still declining). Sampling events found water within the pipes, to a depth of 20 cm or more, during all sampling events, which verified that the devices were drawing groundwater, and thus remained within the water table, at all times of the project period.

During groundwater sampling, water was extracted through a ¼" I.D. polytetrafluoroethylene (PTFE) tube using a peristaltic pump (Solinst™ 410 pump) with sterile silicone tubing. Project staff wore nitrile gloves to handle the tubing and sample bottles to avoid contamination by any bacteria that might have been present on personnel's skin. The piezometers were first pumped to evacuate about 2 to 3 well volumes of standing water, after which the samples were drawn. In all cases, the devices were rapidly refilled with water, so that samples were readily drawn immediately after the devices were evacuated. The rapidity of refilling demonstrated a rapid flow of groundwater in the surficial soils, which ensures that the samples consisted of groundwater that was in situ in the soils at the time of sampling, not water that had been standing in the devices where bacteria might have multiplied in ways they might not in the natural soils. Inserting the tubes into the 2 m sampling pipes required some precautions to avoid the tubes' scraping materials from the interior surfaces of the tubes, including the bottom cap, which might have led to the samples' containing bacteria that grew on those surfaces. Because it is impossible to see into the 2 m sampling devices, and the plastic tubes needed to be inserted by hand at each sampling event (as leaving them in place would have allowed them to promote bacterial and cyanobacterial growth within the tubes), it is possible that the measures taken to avoid contamination may not always be fully successful.

7.0 Project Data and Analysis: *Enterococcus* and *E. coli* in Estero River Surface Water

7.1 Project Data: Wet Weather Monitoring Results

Figure 7.1 shows the concentration results for two fecal indicator bacteria, *Enterococcus* and *E. coli*, for four sampling events conducted on Estero River during wet weather conditions, August 2019 and July – August 2020.

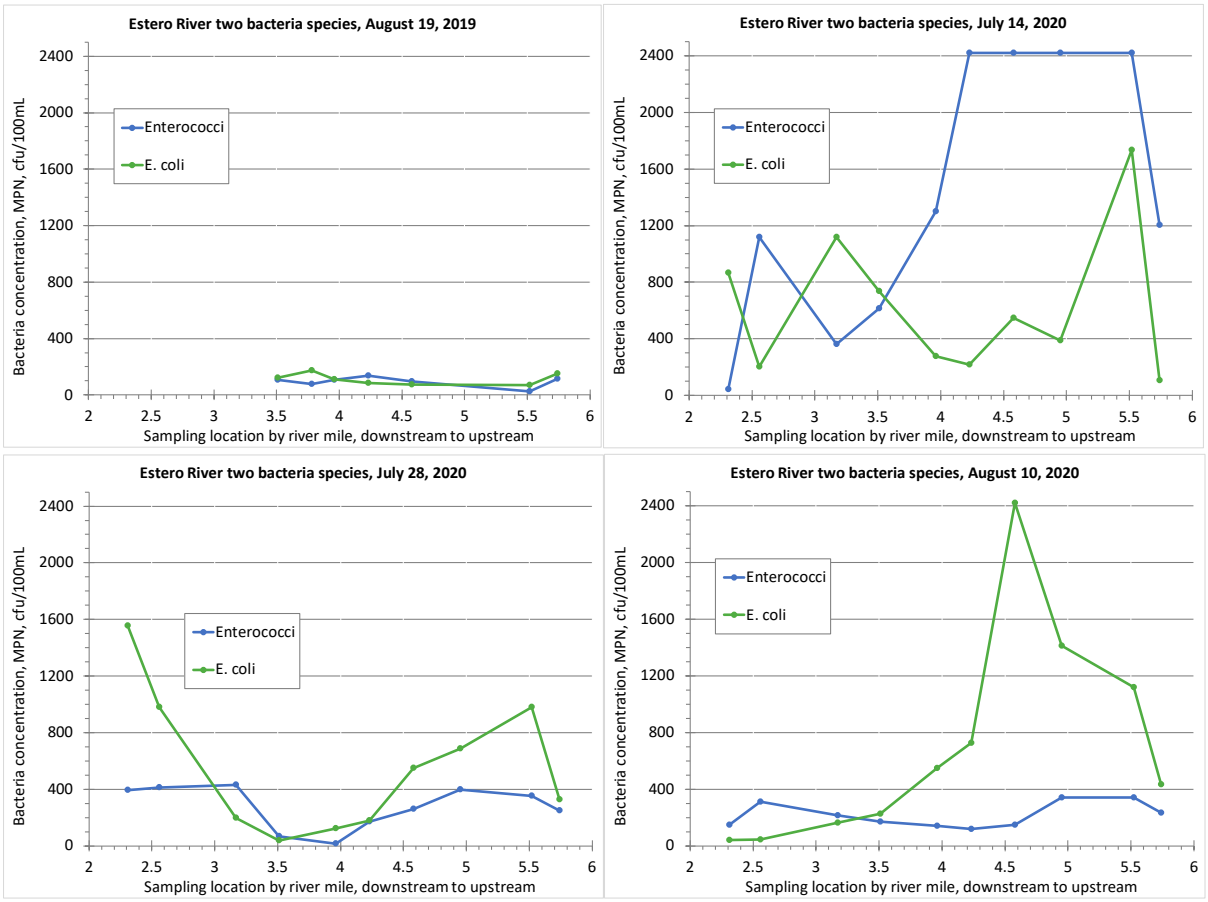

Figure 7.1. Monitoring results for four run-of-the-river sampling events conducted during two wet seasons: August 2019 (top left), July 14, 2020 (top right), July 28, 2020 (bottom left) and August 10, 2020 (bottom right).

7.2 Project Data: Dry Weather Monitoring Results

Figure 7.2 shows the concentration results for two fecal indicator bacteria, *Enterococcus* and *E. coli*, for the three sampling events conducted on Estero River during dry weather conditions, September 2019 – April 2020.

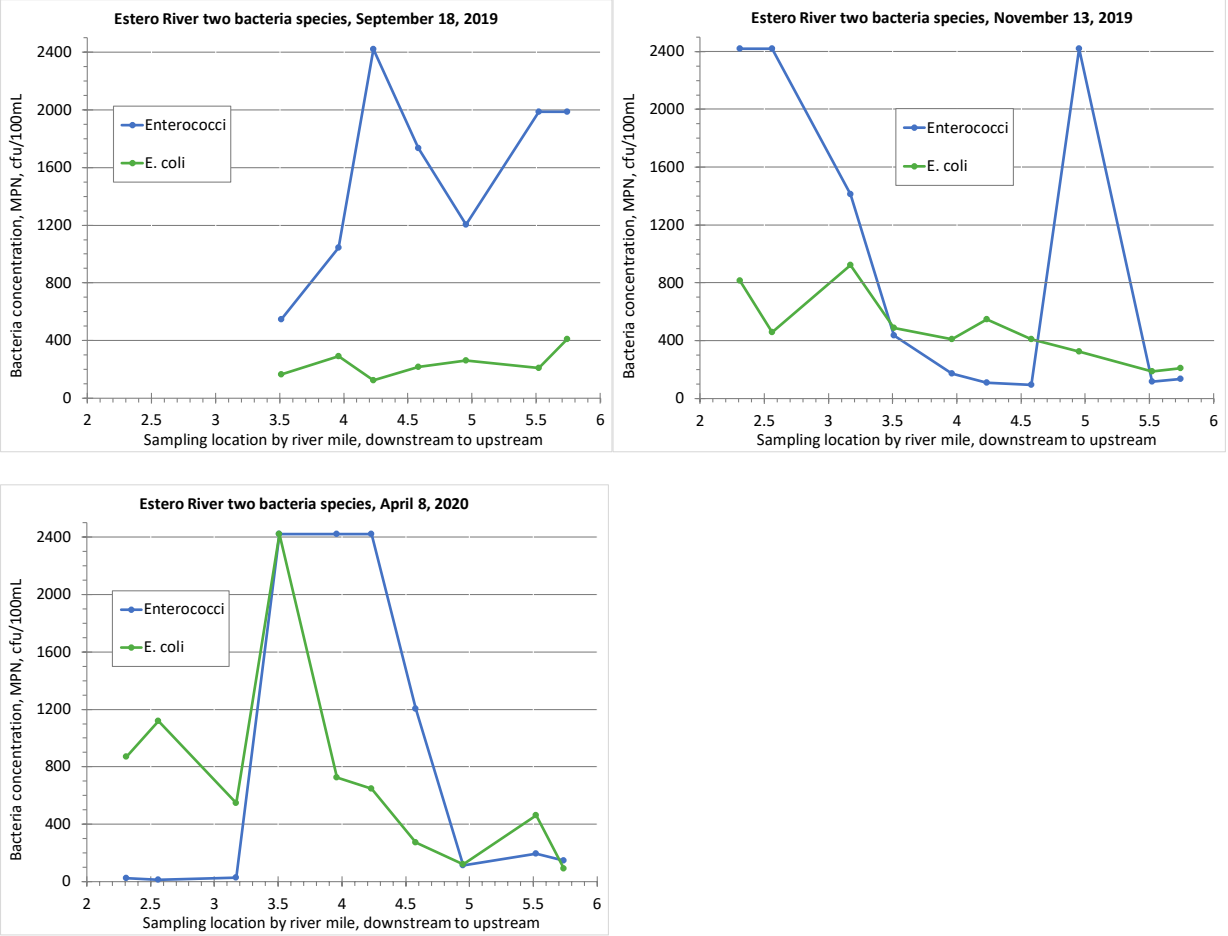

Figure 7.2. Monitoring results for four run-of-the-river sampling events conducted during one dry season, 2019-2020.

7.3 Project Data Analysis: Length-of-River, High Spatial Resolution Sampling

The results demonstrate the Estero River does, on some occasions and in some locations, experience high or very high concentrations of FIB. The results do not pinpoint particular activities or land uses that are demonstrably sources of FIB. The MPN results demonstrate that FIB are a problem not of a limited location, a limited time, or a specific set of conditions, but that high and varying concentrations may recur at unpredictable times and locations on the river.

Essentially every surface water location that was sampled showed "very high" concentration (the maximum laboratory detection capability of over 2,400 MPN/100mL) for one of the two target FIB for at least one sample results. Very high results were found at some locations during both wet and dry weather conditions, and very low results (less than about 300 MPN/100mL) were detected at some Estero River locations during every sampling event. Only one sampling event, on August 19, 2019, did not identify any locations with very high concentration – in fact, no locations of greater than the regulatory target of 300 MPN/mL for either of the targeted FIB.

Suspected sources of FIB in the Estero River included a) package wastewater treatment plants in the Estero Bay Village neighborhood (approximately river mile 3.7) and Sunny Grove neighborhood (approximately river mile 4.2); b) septic systems treating wastewater in a number of locations, including but not limited to the Charing Cross development at approximately river mile 3; c) other residential activities, including but not limited to pet wastes in residential developments near the waterbody as in developments at and near river miles 2.5 through 3.7, 4 through 4.6, and 5 through 6; d) golf courses with associated fertilized vegetation, and potential bacteria colonies from bird and other warm-blooded animals that may congregate to feed on high-nutrient vegetation in those land uses, approximately river miles 5 through 6; e) wild warm-blooded organisms in the large undeveloped upstream parts of the waterbody, upstream of river mile 6; and f) tidal action that may resuspend FIB in sediment and/or may push outgoing flows, and bacteria, back upstream leading to high-concentration conditions, in the reaches downstream from approximately river mile 3. The data do not show that any of those locations, or any others, routinely and replicably contained FIB at very high concentrations throughout either wet or dry season conditions.

8.0 Project Data and Analysis: *Enterococcus* and *E. coli* in Near-Surface Groundwater

As stated in the Methods section 6.0, groundwater samples were collected from five devices installed on three different properties: one a control site, in Koreshan State Park on the south side of the Estero River, approximately 5 m inland of the river's edge; three in the Estero Bay Village neighborhood, two of them within 5 m of the river's edge and the other adjacent to the wastewater treatment lagoon, approximately 100 m inland; and one in the Charing Cross development, within 5 m of the river's edge. The Charing Cross site and one of the three Estero Bay Village sites were immediately adjacent to two small conveyances, which can be assumed to be conveying groundwater discharge because they were observed to continue flowing year-round, even through the driest weather. Those two 'ditches' were included in the groundwater sampling scheme as it is clear they convey groundwater in addition to their intended purpose of conveying stormwater in the immediate aftermath of a precipitation event.

Sampling of the devices was conducted on nine occasions. On the first two occasions only three devices had been installed, so the other two locations were sampled only seven times. The surface groundwater flows were sampled on most of these occasions, and on some other occasions they were sampled during the run-of-the-river sampling days but not during the groundwater sampling days. In those cases the data are included on these two graphs only for those surface-sampling events that were collected within 7 days of the groundwater sampling event. In total the surface-groundwater drain G07 was sampled eight times, and G09 was sampled seven times, at times that were near enough to the subsurface-groundwater sampling events to be included on the two graphs below.

8.1 Data from Groundwater Sampling

Samples from the subsurface-groundwater sampling sites found little or no FIB for the four target groundwater sites (A01, A02, A03, and A05), and for the control site A04 (Figures 8-1 and 8-2), with one exception. The exception is three samples measured with high MPN for enterococci at A01, and these are believed to be erroneous for reasons described below, so they are not considered in this analysis. Of the valid results, only two of the samples were as high as 100 MPN/mL: enterococci at A02 was measured at 164 MPN/mL on September 25, and *E. coli* at A04 was measured at 112 MPN/mL on November 25. One other sample, at A03 on 11/25, was measured at 42 MPN/100mL. All other samples were measured at less than 25 MPN/100 mL for both enterococci and *E. coli* on all occasions and at all sites, except for the erroneous A01 data.

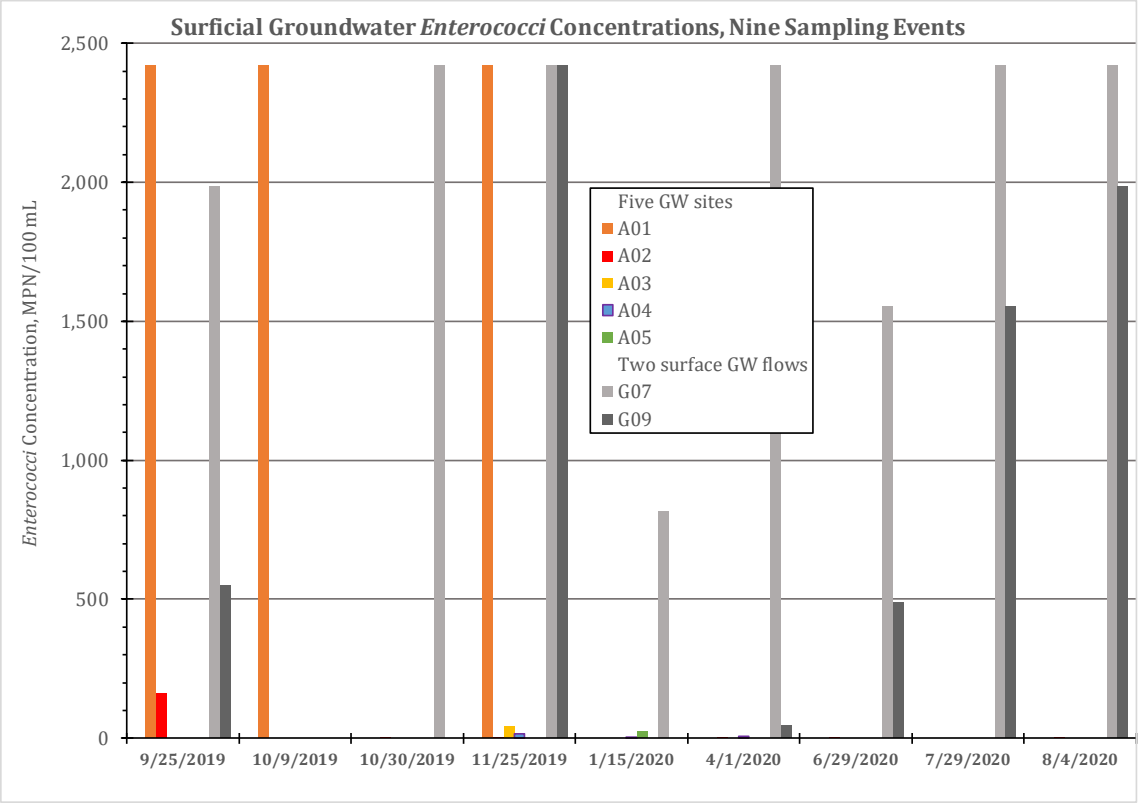

Figure 8-1. Enterococcus concentration from 9 sample events, for five subsurface-groundwater sampling sites (colors) and two surface-groundwater flows (grey tones).

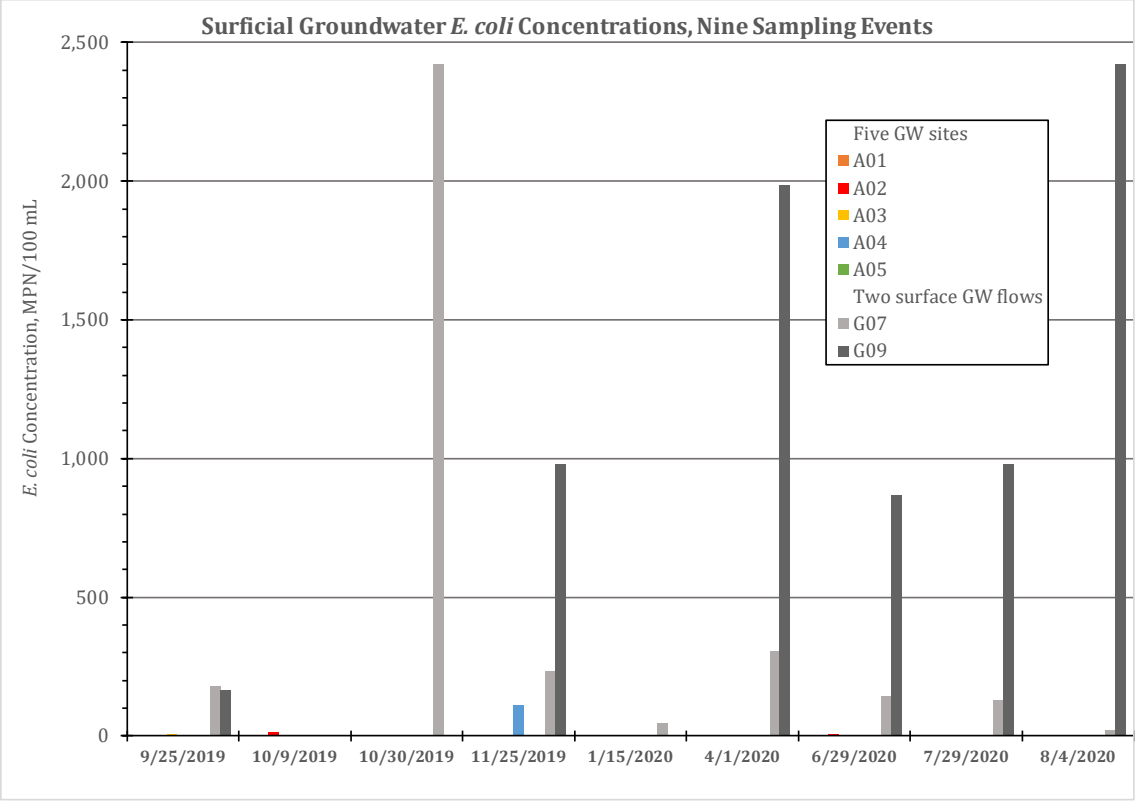

Figure 8-2. *E. coli* concentration from 9 sample events, for five subsurface-groundwater sampling sites (colors) and two surface-groundwater flows (grey tones).

On the other hand, the samples from the two surface-groundwater drains were quite high in FIB on several occasions. As Figure 8-1 shows, *Enterococcus* was found in the Estero Bay Village surface-groundwater drain, Site G07, in almost every sample: in five of the nine samples, at the laboratory-method maximum; and on three other occasions, between 700 and 2,000 MPN/100 mL. On one occasion enterococci were not detected at that location. Four of those samples were tested for sucralose, and sucralose concentrations were quite high, more than in most other samples tested for this research: between 17 ug/L and 32 ug/L. That is persuasive evidence that the surface-groundwater flow at Estero Bay Village was heavily affected by wastewater discharges. The Charing Cross surface-groundwater drain (Site G09) also had *Enterococcus* at high concentrations on some occasions: three times between 1,500 and 2,500 MPN/100 mL; and twice about 500 MPN/100mL. On two other occasions *Enterococcus* were much lower at Site G09 (< 50 MPN/mL). The site was not sampled on two occasions. As Figure 8-1 shows, the results for *E. coli* were high in several of the surface-groundwater drain samples: only once in eight samples from Site G07, the Estero Bay Village neighborhood, but in five out of seven samples from Site G09, the Charing Cross neighborhood site. That result suggests the Charing Cross surface-groundwater drain is also affected by wastewater discharges, but none of those samples were tested for sucralose.

For the two ditches together, the mean concentration of enterococci was 1,622 MPN/100mL with a standard deviation of 934 MPN/100 mL, highly variable but with a mean well in excess of the Florida recommended target of a geometric mean of 300 MPN/mL. The mean concentration of *E. coli* was 725 MPN/100mL with a standard deviation of 807 MPN/100 mL, even more variable because of its long upper tail and several results of 0 MPN/mL, but also well in excess of the Florida recommended TPTV for surface waters (a standard that does not apply in a discharge ditch of this kind, but the most nearly relevant numeric target by which to judge this flow).

In this study, the two FIB were present at different concentrations, which is a pattern that has been widely shown in the literature. That lack of correlation is among the reasons that neither *E. coli* nor *Enterococcus* is a perfect indicator of presence of human waste: the differences in results are affected by different source organisms, different human populations, and differences in survivability at different locations and different times. In this study, it is believed that *E. coli* may survive better in the soils of the Charing Cross ditch while *Enterococcus* survives better in the Estero Bay Village ditch – such that the soils themselves may be the proximate source of the FIB that are measured in any one sample, with human wastewater being at least part of the ultimate source – but that survivability may well be different on separate sample days, depending on factors such as sunlight, depth of inundation, volume of flow, dilution by other flow sources, and others.

The three high-enterococci results for Site A01, a site in the Estero Bay Village neighborhood adjacent to the Estero River at the midpoint of the Estero Bay Village shoreline, 100 m downstream of the mouth of the drainage ditch, are believed to be erroneous. All three of those results occurred during the first four sampling events. In all

three cases, the concentration of *E. coli* was measured as below the detection limit (reported as 0 MPN/mL). It is believed that these were the contamination of sediment particles attached to the wall or settled on the bottom of the well through the sampling operation. Such contamination has been observed by other researchers, for example Byappanahalli et al. (2012). Sampling from the surficial groundwater devices was accomplished with a pump and 5-mm hose, and inserting the hose into the 2-in diameter vinyl sampling device, which can result in scraping the sides or the bottom of the device in a way that stirs sediment and microorganisms inhabiting the sediment.

The assumption that the three high-enterococci results from A01 are in error is supported by the fact that no other samples drawn from the shallow sampling devices show FIB greater than 200 MPN/mL – including on other occasions from the A01 location. The three high-enterococci samples contained low or non-detectable amounts of *E. coli* in any of the samples from that location, including in the three samples with very high enterococci results. Furthermore, Site A01 was tested for sucralose on three occasions, including two of the three that reported very high FIB, and on all three of those occasions sucralose was undetected. Nearly all other groundwater samples showed non-zero sucralose, and some of them were quite high, as reported in Section 10 below. Altogether the evidence supports the interpretation that those three samples were contaminated and not reflective of FIB presence in groundwater.

8.2 Findings about FIB in Groundwater

Groundwater analysis demonstrates two main findings: 1) there appears to be little conveyance of FIB through the soils into the Estero River, as little to no bacteria were detected in any of the shallow groundwater sampling devices on essentially every occasion; and 2) substantial to very high FIB concentrations are contributed by surface flows of groundwater in the vicinity of potential FIB sources, in this case one small channel receiving groundwater discharge from a treatment lagoon of a small package wastewater treatment plant (G07) and another in a neighborhood where homes' wastewater is treated in individual septic systems (G09).

The overall finding is that FIB do not appear to be conveyed in the groundwater from potential sources into the Estero River, and that groundwater entering the Estero River is likely not contaminated with any human-associated wastewater contamination at these locations. Presence of sucralose in high concentrations in the groundwater at Site A02 documents that water originating as wastewater does flow with groundwater at that site, and potentially at other sites near the river. But the absence of FIB in those same samples shows that the wastewater reaching that site – after flowing through the soil in groundwater – has experienced microbial attenuation, which is the intent of a treatment lagoon. The site at A03, much nearer to the lagoon, was high in both sucralose and FIB, indicating that groundwater in that vicinity has not been in the soil long enough to experience similar biodegradation – but that site is not near to the river. Site A01, near the river, showed low concentration of both sucralose and FIB, so does not appear to be affected by discharge from the treatment lagoon. The pattern, at both the Estero Bay Village

and Charing Cross neighborhoods, suggests the soils are acting as intended to delay subsurface flow from septic systems and the treatment lagoons while organisms in the soil break down FIB, and presumably other potentially harmful bacteria originating with human wastes, before they can reach the river.

On the other hand, the small surface drainages could be important conveyance mechanisms for FIB to reach the Estero River. The fact that the two 'ditches' were measured on multiple occasions with high concentration of both FIB, and also as shown in Section 9 below with very high concentration of sucralose, is strong evidence that they are receiving discharges that have been in contact with human waste that is not adequately treated to destroy FIB. That is probably because the water has been in the soil for too short a time (i.e. flowed over too short a distance) for microbes in the soil to have digested the FIB, in the mechanism that is intended for septic systems and treatment lagoons. This "short-circuiting" of the wastewater's movement through the soil has produced a condition where FIB enter the Estero River, which in turn indicates the potential presence of other potentially harmful substances originating with human wastes. The flows in these channels are small but constant, so it is not known to what extent they contribute FIB, and whether that is in sufficient quantity to affect the concentration of FIB in the Estero River.

9.0 Project Data and Analysis: Sherrill Lane Short-term Stormwater Inundation

The street surface of Sherril Lane extending from the intersection with Broadway northward for about two to three blocks is known historically to experience inundation after periods of intense rainfall. This project included a task to collect and test a sample of the standing water if possible.

On the night of September 3-4, an overnight rainfall of about 2.5 inches produced storm runoff inundation. A sample was collected from standing surface water in Sherril Lane, about 10 m north of the intersection with Broadway, at about 9:30 AM. Table 9.1 shows the results.

Table 9.1 Analysis of sample of standing surface water at Sherrill Lane, one-time grab sample September 4, 2020.

Constituent	Measurement
enterococci	2420 MPN/100 mL
E. coli	2420 MPN/100 mL
Dissolved oxygen concentration	7.33 mg/L
Dissolved oxygen proportion of saturation	93.5%
pH	7.58
Electric conductivity	255 µS/cm
Turbidity	24.1 NTU

The data show that the standing water was of near-zero salinity and well oxygenated, as would be expected of stormwater runoff. Turbidity was measured as quite low, i.e. very clear water, but the sample was visibly high in large particulate matter – particles of mulch and sediments that rapidly settled – which the sampling procedure was unable to avoid because the water was constantly churned by passing vehicles at the time of sampling. The samples were very high in FIB concentration, with both *Enterococcus* and *E. coli* measured as greater than the laboratory method maximum of 2420 MPN/100mL. The sample was not tested for sucralose or for DNA sequencing.

There is no way to know the source of FIB in the standing water. It could be contributed by releases from septic systems produced by inundation by the storm runoff, or by mobilization of FIB from the soil surrounding septic systems before they were able to be biodegraded by microbes in the soils. In either of those two cases, the presence of FIB could indicate a potential health threat to humans who contact the standing water.

On the other hand, the FIB could originate with pet wastes or wastes from wild birds that might have been present in the yards of the neighborhood, which if present would

certainly have been mobilized by the runoff and conveyed to the standing water in the street. Waste from even a few pets could potentially produce the high concentrations measured because solid wastes would be extremely high in bacteria, and those bacteria would have been mixed throughout the water by the very high mechanical mixing produced by vehicles driving through the standing water. If the FIB in the standing water originated with wastes from non-human animals, then the standing water is not expected to contain pathogens harmful to humans.

The particulates that could not be screened out of the samples may have contributed large amounts of nutrients and FIB to the samples, which might have moved from the particulates into the sample water in the sample containers before they were filtered out from the sample. The findings might be measuring bacteria from the soil and mulch in the neighborhood rather than in the flowing water (Ishii et al. 2006; Jang et al. 2017). The consequence of that unknown partitioning relates to how the substances might be mobilized: as the runoff moves downstream through the storm drain system into the Estero River, FIB and nutrients present in the water column would be moved very rapidly and completely into the river, while FIB and nutrients bound to the particulates might settle into the soils and/or be taken up by vegetation of the drainage ditches and never reach the river. Regardless, the very high concentrations of both FIB identified in this one sample suggests that this kind of infrequent, high-precipitation, inundation event may be conveying short-term, high-volume pulses of bacteria into the Estero River.

10.0 Project Data and Analysis: Sucralose

As described in Section 3.7 above, the presence of FIB such as *E. coli* and *Enterococcus* are assessed because they are believed to indicate the presence of human fecal pollution. However, they are also widely found in natural environments (Anderson et al. 2005). Waters of the U.S. are believed to commonly have FIB that originate with various domestic animals and wildlife (e.g., cows, chickens, gulls, other avian species, and others) (Byappanahalli et al. 2012). The counting of these bacteria (as in Sections 7 and 8 of this report) does not indicate the organism that was the source of the bacteria.

Sucralose can be an indicator that wastewater – treated or untreated – is present, but does not indicate whether FIB or pathogens might be present. The location of centralized municipal treatment facilities is well known, so the waters into which they discharge may contain sucralose (even though sucralose is quickly diluted in large waterbodies). In smaller waterbodies such as the Estero River, and the groundwater in its vicinity, presence of sucralose typically indicates either presence of septic systems in a community or the kind of smaller, neighborhood-scale 'package' treatment facilities of the kind known to be operated at the Sunny Groves and Estero Bay Village neighborhoods adjacent to the Estero River. All those systems will convey sucralose to the receiving waters, regardless of whether the wastewater has been completely treated to eliminate pathogens, nutrients, and other pollutants.

Sucralose can reach receiving waters if it originates in septic tank by flowing through shallow groundwater, and reaches receiving waters directly from treatment facilities in their routine discharges. At the Estero Bay Village site, the treatment system discharges into two treatment lagoons, which appear to be connected in series, and does not have a surface discharge – all treated wastewater exits via the groundwater or evaporation – so sucralose from that facility enters the Estero River through the groundwater (including drainage ditches that may carry the groundwater). Sucralose in the receiving water is diluted to varying extents based on the flow volume of the receiving waterbody. Since the receiving surface water typically has volume flow rates that are orders of magnitude greater than groundwater or the small drainage ditches such as those observed at Estero Bay Village and Charing Cross neighborhoods, the concentration of sucralose in the groundwater typically is one or more orders of magnitude greater the river water, as found by Lapointe et al. (2017) in their studies of small tributaries to the Caloosahatchee River in North Fort Myers.

Samples tested for sucralose included one surface water location (on two occasions), five shallow groundwater sites (three on four occasions, two on two occasions), and one surface drainage ditch known to carry groundwater discharge (on four occasions). Results are shown in Table 10.1. Sucralose was detected in essentially all samples, typical of developed residential areas where essentially all water has been in contact with human waste, but the samples showed very large differences: some locations with zero or near-zero sucralose, indicating little or no contact with human wastewater; and some locations with very large concentrations, considered a definitive indicator of contact with human wastes. Each tested location was notably consistent over time in its sucralose concentration across the four sample collection dates, from September 2019 to January 2020. Throughout the 4-month sampling period, the detected concentration of sucralose in the groundwater was remarkably consistent at each groundwater site.

Sucralose was primarily used to assess groundwater in this study, with just two samples tested for sucralose at only one site, G04, the Route 41 Bridge site, and only on two occasions, in August and September 2019. In both cases it was present, but at only small concentrations. The mean (± SD) sucralose concentration in the surface water was 320 ± 52 ng/L (n = 2). That low concentration in the surface water is consistent with other studies, where presence or absence of sucralose in surface water is not expected to be an effective indicator of presence or absence of human wastes. That is because the rapidly-flowing surface waters do not allow for accumulation of sucralose as groundwater does, and the highly attenuated concentrations typical of surface water are not generally meaningful.

The separate groundwater samples were consistent within the locations across all the sample dates, suggesting these findings are good indicators of the long-term conditions at the sites. Three groundwater locations were extremely high in sucralose: the shallow-groundwater site A03, located just 30 m from the treatment lagoon at the Estero Bay Village site; the shallow-groundwater site A02, located at the bank of the Estero River and

adjacent to a shallow drainage ditch (never more than about 5 cm depth) that paralleled the entire eastern edge of the treatment lagoon about 50 m upstream of the point where it flowed into the river; and the samples from G07, which were collected from that flowing surface ditch, considered to be groundwater originating from the lagoon because the ditch was dry upstream of the lagoon but flowed continuously year-round downstream of the lagoon. The mean (± SD) sucralose concentration in the ditch water was 33,000 ± 11,000 ng/L and ranged between 17,400 and 42,700 ng/L. The extremely high concentration of sucralose at those three sites is persuasive evidence that the groundwater flow, and the discharge from the drainage ditch, was routinely conveying treated human wastewater exiting the lagoon through the groundwater. As described in Section 8 above, that ditch was also found to have a very high, but variable, concentration of both FIB. Together, the evidence of high FIB and high sucralose concentration are persuasive indicators that the small area contributing subsurface flow into the ditches is contaminated with human wastewater that has not been fully treated to remove FIB and other potentially harmful bacteria.

No sucralose was detected from A01, the groundwater site adjacent to Estero River at about the midpoint of its bank in the Estero Bay Village neighborhood. That location is quite near the two sites, A02 and A03, where sucralose was quite high, showing that the exact direction of groundwater flow strongly affects the presence of fecal contaminants. That flow direction is often difficult or impossible to predict prior to sampling, but these

Table 10.1. Sucralose concentration, MPN and other environmental factors.

Date	FGCU ID	Sample type	Sucralose (ng/L)	DO Temp (C)	DO (mg/L)	DO (%)	pH	Electric cond (µS/cm)	Turbidity (NTU)	ORP (mV)	enterococci (MPN/100 ml)	E. coli (MPN/100 ml)	Ratio (ent/ecoli)	TIN (ug-N/L)	NH4+ (ug-N/L)	NOx (ug-N/L)	SRP (ug-P/L)
8/19/2019	G04	Surface	285.56	29.2	3.5	45.1	7.5	430	2.7	491.7	96	75	1.28	197	138	60	16
9/18/2019	G04	Surface	358.83	29.3	3.2	42.2	7.5	626	2.9	442.8	1986	411	4.83	224	75	149	11
8/19/2019	G07	Ditch	17418.41	28.3	2.1	26.5	7.3	454	2.3	81.3	78	172	0.45	1270	1257	13	22
10/30/2019	G07	Ditch	35568.04	26.2	2.1	25.8	7.1	532	1.1	163.7	2420	2420	1	1018	512	506	1690
11/25/2019	G07	Ditch	42710.33	22.0	4.9	55.0	7.8	495	0.0	495.0	2420	236	10.26	517	104	413	1711
1/15/2020	G07	Ditch	36647.11	24.1	4.8	51.7	7.7	449	1.0	313.7	816	45	18.14	2117	950	1167	1989
9/25/2019	A01	Groundwater	0	28.1	1.8	23.4	6.3	652	45.1	-71.1	2420	0	2420	5206	5157	49	1773
9/25/2019	A02	Groundwater	17310.35	27.5	4.2	52.4	6.9	535	3.6	-22.7	164	0	164	890	852	38	1511
9/25/2019	A03	Groundwater	20287.92	27.2	2.2	27.1	6.8	517	6.0	-92.4	0	7	0.14	1164	1120	44	1589
10/30/2019	A01	Groundwater	0	27.8	3.4	42.0	6.4	6	2.7	30.6	2	0	2	4517	3823	694	932
10/30/2019	A02	Groundwater	22310.33	27.6	2.4	30.2	6.9	680	1.0	78.9	2	1	2	579	486	93	1387
10/30/2019	A03	Groundwater	19675.39	28.9	2.7	34.3	7.0	446	14.0	21.4	0	0	0	1705	1545	161	1678
11/25/2019	A01	Groundwater	0	24.2	3.3	38.4	7.0	434	5.6	169.3	2420	0	2419.6	3179	2745	434	143
11/25/2019	A02	Groundwater	32891.69	28.7	4.3	49.0	7.2	585		-48.4	4	0	4.1	1710	225	1484	1272
11/25/2019	A03	Groundwater	27708.41	25.1	2.2	26.0	7.1	542	10.3	-20.5	42	0	42.2	2951	2211	740	1885
11/25/2019	A04	Groundwater	940.87	21.1	3.9	45.4	7.1	3517	6.2	-97.8	17	112	0.15	620	313	308	117
11/25/2019	A05	Groundwater	953.16	23.0	3.4	40.3	7.0	6502	4.7		0	1	0	2083	668	1415	52
1/15/2020	A01	Groundwater	0	23.9	3.7	43.1	6.6	443	2.2	51.7	2	0	2	1614	356	1258	2013
1/15/2020	A02	Groundwater	31287.88	22.4	2.2	25.8	7.0	445	2.2	-114.4	0	1	0	387	303	84	1991
1/15/2020	A03	Groundwater	30540.15	24.7	1.6	19.3	6.9	560	10.0	-105.0	0	0	0	3332	2214	1118	1780
1/15/2020	A04	Groundwater	2568.72	21.7	3.9	43.2	7.0	874	3.7	29.3	2	0	2	647	84	564	109
1/15/2020	A05	Groundwater	649.48	25.1	3.0	31.2	6.9	7592	1.5	-198.4	25	0	24.9	1579	552	1027	164

results show that the site A02 is down-gradient from the source of FIB but A01 is not. The site A03, much nearer to the treatment lagoon, was also found to be high in sucralose, demonstrating that lagoon as a likely source of the fecal contamination. The finding of very low sucralose presence at A01, along with the very low or undetectable presence of FIB as reported in Section 8, suggests the A01 site is unaffected by the treatment lagoon even though it is nearer to the lagoon than A02. (That observation assumes we should ignore three samples with high enterococci believed to have been contaminated by sediment in the sample, as in the high turbidity event on Sep 25, 2020 shown in Table 10.1.)

The A01 site can be seen as indicative of groundwater conditions in that region near the river and uninfluenced by discharges of wastewater from either septic tanks (there are none in the community) or the treatment lagoon but likely influenced by permeated rainwater, which is suggested by high total inorganic nitrogen level (Table 10.1). The overall matrix of the groundwater in the immediate vicinity may be concluded to have a minimal influence of FIB or other fecal contaminants from wastewater. That may be true of the Estero River basin generally, but this single data point is insufficient evidence to draw conclusions about the entire watershed.

On the other hand, there was moderate concentration of sucralose detected in both samples that were tested from site that was selected with the intent to serve as a control site – site A04, on the property of Koreshan State Park, on the south bank of the Estero River where presumably it was isolated from the known wastewater treatment facilities at Sunny Grove and Estero Bay Village. The presence of sucralose, which was higher than the background level (i.e. riverwater sucralose concentrations) in the Koreshan location was unexpected, as there is no permanent residence at that location, only campsites (including a small restroom facility some 100 m upstream from the A04 site). It may be speculated that human wastes from the temporary visitors to the State Park have found their way into the shallow groundwater, though in only moderate amounts. High conductivity of A04 groundwater suggested the influence of saltwater from the river (Table 10.1).

The final groundwater site tested, at A05, is a shallow sampling device located in the Charing Cross neighborhood. That site too was adjacent to a surface drainage ditch, which was observed to flow in small volume throughout the sampling year, and is believed to be conveying discharges from shallow groundwater in the neighborhood, where the residences are all served by septic systems. There were modest concentrations of sucralose (about 650 and 950 ng/L) found at that location from the two samples collected there, in November 2019 and January 2020. Those low concentrations indicate presence of human waste, but they are orders of magnitude less than the concentration consistently identified at the Estero Bay Village location. This suggests that septic systems in the Charing Cross neighborhood, while presumably contributing FIB and other pollutants to the river, are much less of a source than the treatment lagoon at the Estero Bay Village neighborhood. High conductivity of A05 groundwater suggested the influence of saltwater from the river (Table 10.1).

There were no correlations between sucralose concentrations and the MPN counts of *Enterococcus*, *E. coli* and the ratio of *Enterococcus*/*E. coli* (Table 10.2). The sucralose also did not correlate with inorganic nitrogen, NOx (nitrite + nitrate), and ammonium, but showed a correlation with Soluble reactive phosphorus (SRP) and pH (Table 10.2). Nitrogen species are unstable in groundwater because they are quickly transformed by microbial activities. On the other hand, phosphate is more stable. Thus, the source of sucralose and the high level of nutrients was identical and identified as wastewater. On the contrary, both the MPN counts of enterococci and *E. coli* did not match this pattern, suggesting that the sources of these FIB differ from wastewater through the groundwater.

Table 10.2. Pearson correlation between sucralose, MPN and other environmental factors.

Variables	Sucralose (ng/L)	Temp (C)	DO (mg/L)	DO (%)	pH	Electric cond	Turbidity (NTU)	ORP (mV)	enteroco cci	E. coli (MPN/10	Ratio (ent/ecol	TIN (ug-N/L)	NH4+ (ug-N/L)	NOx (ug-N/L)	SRP (ug-P/L)
Sucralose (ng/L)	**0**	0.738	0.985	0.756	**0.044**	0.096	0.362	0.717	0.715	0.193	0.138	0.422	0.333	0.725	**0.001**
Temp (C)	0.738	**0**	0.186	0.489	0.591	0.147	0.295	0.568	0.959	0.778	0.802	0.570	0.263	0.159	0.944
DO (mg/L)	0.985	0.186	**0**	**<0.0001**	**0.029**	0.744	0.062	**0.049**	0.859	0.402	0.424	0.197	0.054	0.149	0.511
DO (%)	0.756	0.489	**<0.0001**	**0**	**0.035**	0.981	0.079	**0.021**	0.850	0.416	0.432	0.156	0.066	0.375	0.399
pH	**0.044**	0.591	**0.029**	**0.035**	**0**	0.799	**0.027**	**0.000**	0.308	0.480	0.129	**0.004**	**0.003**	0.932	0.439
Electric cond (µS/cm)	0.096	0.147	0.744	0.981	0.799	**0**	0.705	0.096	0.339	0.664	0.612	0.797	0.367	0.083	**0.031**
Turbidity (NTU)	0.362	0.295	0.062	0.079	**0.027**	0.705	**0**	0.198	0.216	0.490	**0.001**	**0.002**	**0.000**	0.385	0.321
ORP (mV)	0.717	0.568	**0.049**	**0.021**	**0.000**	0.096	0.198	**0**	**0.022**	0.324	0.829	0.149	0.217	0.480	0.415
enterococci (MPN/100 ml)	0.715	0.959	0.859	0.850	0.308	0.339	0.216	**0.022**	**0**	**0.020**	**0.003**	0.471	0.266	0.340	0.820
E. coli (MPN/100 ml)	0.193	0.778	0.402	0.416	0.480	0.664	0.490	0.324	**0.020**	**0**	0.643	0.393	0.447	0.749	0.669
Ratio (ent/ecoli)	0.138	0.802	0.424	0.432	0.129	0.612	**0.001**	0.829	**0.003**	0.643	**0**	**0.004**	**0.001**	0.374	0.852
TIN (ug-N/L)	0.422	0.570	0.197	0.156	**0.004**	0.797	**0.002**	0.149	0.471	0.393	**0.004**	**0**	**<0.0001**	0.220	0.326
NH4+ (ug-N/L)	0.333	0.263	0.054	0.066	**0.003**	0.367	**0.000**	0.217	0.266	0.447	**0.001**	**<0.0001**	**0**	0.678	0.382
NOx (ug-N/L)	0.725	0.159	0.149	0.375	0.932	0.083	0.385	0.480	0.340	0.749	0.374	0.220	0.678	**0**	0.711
SRP (ug-P/L)	**0.001**	0.944	0.511	0.399	0.439	**0.031**	0.321	0.415	0.820	0.669	0.852	0.326	0.382	0.711	**0**

Values in bold are different from 0 with a significance level alpha=0.05.

In Florida, where sucralose is present, generally it indicates not a leak of raw sewage but the discharge of wastewater from a treatment process. Wastewater that has been fully and properly treated conveys sucralose to receiving waters because sucralose is resistant to degradation in treatment systems and in the environment. If the wastewater is not properly or fully treated, either in a treatment process or in the soils surrounding a septic system, then it can convey high concentrations of nutrients, FIB, and potentially pathogenic organisms.

The small flow in the Estero Bay Village ditch at site G07 is similar in sucralose concentration to the groundwater directly adjacent to the lagoon, not the order of magnitude less that we might expect. That suggests the ditch water receives little if any dilution, and is essentially the same as the treated wastewater that exits the lagoon into the shallow groundwater. The concentration of sucralose in the Estero River in our data was two orders of magnitude less than in the two ditches, but greater than in the groundwater sampled at locations distant from the G07 and G09 ditches. The treatment system is shown to be a source of flow into the Estero River, but the data do not indicate whether that system is a source of the occasional high concentration of FIB that this study identified in the Estero River. It does suggest that wastewater, treated or otherwise, at areas served by septic systems such as the Charing Cross neighborhood are a smaller source of sucralose, but that does not indicate whether those septic systems are a greater or lesser source of FIB that reach the Estero River.

11.0 Project Data and Analysis: Genetic Sequencing and Species of Origin

As described in Section 3.7 above, the presence and magnitude of *E. coli* and enterococci are used to indicate potential influence of human waste in an environmental system, because they do originate in the human gut and can be readily identified and quantified by existing laboratory methods. However, they are known to also populate the gut of many warm-blooded animals, so their presence and counts (number of microbes per volume of water) do not correlate in any known way to the animals that are the bacteria's source.

Table 11.1. Overview of the samples used for high-throughput DNA sequencing analysis

Date	FGCU ID	Sample type	HT seq(515yF-926pfR)	Enterolert HT seq(27F-515R)
8/19/2019	G01	Surface	6213	
8/19/2019	G07(D07)	Ditch	6213	
8/19/2019	G02	Surface	6213	
8/19/2019	G03	Surface	6213	
8/19/2019	G04	Surface	6213	
8/19/2019	G05	Surface	6213	
8/19/2019	G06	Surface	6213	
9/18/2019	G01	Surface	6262	9505
9/18/2019	G02	Surface	6262	
9/18/2019	G03	Surface	6262	9505
9/18/2019	G04	Surface	6262	9505
9/18/2019	G05	Surface	6262	
9/18/2019	G06	Surface	6262	9505
9/18/2019	G07(D07)	Ditch	6262	
9/18/2019	G08	Surface	6262	
9/18/2019	G09(D09)	Ditch	6262	
9/18/2019	S02	Sediment		9505
9/25/2019	A01	Groundwater	6262	9505
9/25/2019	A02	Groundwater	6262	
9/25/2019	A03	Groundwater	6262	
9/25/2019	G07(D07)	Ditch	6262	
4/1/2020	A02	Groundwater	6507	
4/1/2020	A03	Groundwater	6507	
4/8/2020	G01	Surface	6507	
4/8/2020	G02	Surface	6507	
4/8/2020	G03	Surface	6507	
4/8/2020	G04	Surface	6507	
4/8/2020	G05	Surface	6507	
4/8/2020	G06	Surface	6507	
4/8/2020	G07(D07)	Ditch	6507	
4/8/2020	G08	Surface	6507	
4/8/2020	G09(D09)	Ditch	6507	

The numbers shown in the columns of DNA sequences are assigned numbers for each operational process. Orange color identifies a groundwater sample; brighter orange is a sample of surface groundwater flow from the "ditches."

Rapid advances in DNA sequencing technology makes it possible to identify many species of bacteria in aquatic systems. Some microbes are found more commonly in some animals than others. For instance, the gut microbial flora of birds is characterized by a lower abundance of Firmicutes and Bacteroidetes and a higher abundance of Actinobacteria and Proteobacteria in comparison with non-flying mammals (Grond et al. 2018). Therefore DNA identification of bacteria species, as a biological tracer, supplies important evidence about whether non-human animals may be present in a given environment, but not definitive evidence.

As described in Section 3.7 above, high-throughput DNA sequencing using 16S rRNA gene was determined for 31 samples. (Table 11.1). This project conducted DNA sequencing of a subset of the samples because of the high cost of this kind of analysis compared to other laboratory analyses used.

11.1 DNA extraction and DNA sequencing

Surface water samples were aseptically collected using Nalgene wide-mouth high-density polyethylene bottles (1 L) and transferred to the laboratory on ice. Each water sample (200 ml) was filtered through a 0.2 µm polysulfone-cellulose nitrate membrane filter and stored at -20°C until DNA extraction. A half-sized filter was used for DNA extraction with MagAttract PowerSoil DNA KF kit (Qiagen) according to the manufacturer's instructions.

Archaeal and bacterial 16S rRNA genes were amplified using the primer set, 515yF and 926pfR (Parada et al., 2016) tagged with the Illumina i5 forward and i7 reverse sequencing primer. After polymerase chain reaction (PCR), amplicons were visualized with eGels (Life Technologies) and products were pooled equimolar with each size selected quantified using the Quibit 2.0 fluorometer (Life Technologies). Amplicons were then loaded on an Illumina MiSeq (Illumina) 2 x 300 flow cell at 10 pM.

For DNA data analysis, FASTQ formatted files were merged using the PEAR Illumina paired-end read merger. Prefix dereplication and clustering at a 3% divergence level were conducted using the USEARCH. After operational taxonomic unit (OTU) selection and chimera (i.e., sequencing artifacts) checking, representative OTUs were used to determine taxonomic information. The microbial community analysis was conducted based on the relative abundance at the phylum and genus level. We used a high-quality rRNA database, Silva, which provides quality checked and regularly updated datasets of aligned small (16S/18S, SSU) and large subunit (23S/28S, LSU) rRNA sequences for all three domains of life (Bacteria, Archaea and Eukarya). In total 585,435 DNA sequence reads were obtained after these processing. The mean (± standard error) DNA sequence count in each sample was 18,885 ± 3392 reads (n = 31).

11.2 Microbial Community Analysis for Estero River Samples In Aggregate

A majority of 16S rRNA gene sequences obtained belonged to the domain Bacteria. A total of 36 phyla were found in the Bacteria domain (Figure 11.1). The data in Figure 11.1 also describes relative magnitude of taxa broken down by their location, by sample site, and that information is discussed in Section 11.3 below; this section describes only the relative counts of taxa in the aggregate data. Within the Bacteria domain, some "Candidatus" groups such as '*Candidatus* Atribacteria' and '*Candidatus* Parcubacteria' were found. In prokaryote nomenclature, this Candidatus (abbreviated as *Ca*.) is used to name

prokaryotic lineages that are well characterized (e.g., phylogenetic position, genome sequences, host organisms) but uncultured.

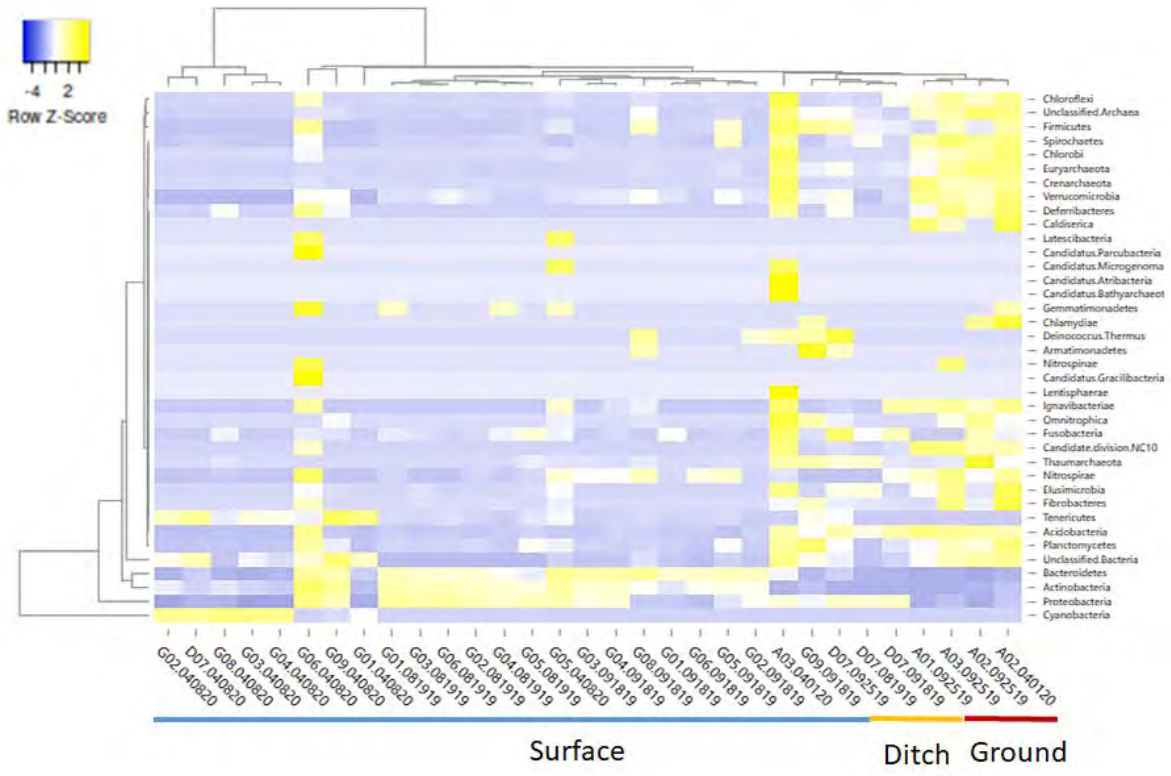

Figure 11.1. Heat map of the relative abundance of prokaryotic taxa at the phylum level. Euclidean method was used to make a distance matrix and the average linkage method was used for clustering. Many anaerobic/microaerobic taxa were found at the top-right, in the groundwater samples. Cyanobacteria dominated in surface water samples collected on April 8th, 2020 and shown at the bottom-left corner. It made April water samples distinguishable from other samples (see the dendrogram above).

Archaea were found in much lower abundance than Bacteria (less than 2.5% of the total communities in all the cases). Their importance in this analysis is because they were much more abundant in groundwater than surface water, and somewhat more abundant in samples from the two small drainage ditches than in Estero River samples (Figure 11.2). The ditch water is established in Sections 9 and 10 above to consist largely or entirely of discharges of groundwater originating with the wastewater treatment lagoon at the Estero Bay Village neighborhood (the D07 samples) or septic systems at the Charing Cross neighborhood (the D09 samples). The heat map data showed that the microbial communities in the ditch water were greatly different between the April 8 sampling (located in left and mixed in the surface waters) and the other cases (concentrated and located nearby the groundwater cluster), indicating a potential shift of major water sources of the ditches.

Because the majority of Archaea are anaerobic or microaerobic, groundwater is a suitable habitat for this lineage of prokaryotes. Our observation fitted the previously

known habitat ranges of Archaea. In those cases where Archaea are found in samples of surface water from the Estero River, Archaea, particularly Crenarchaeota, could be a good microbial indicator of groundwater influence. Archaea embrace some functionally imperative groups of organisms. Crenarchaeota includes a variety of sulfur-oxidizing bacteria. Euryarchaeota embraces methanogens.

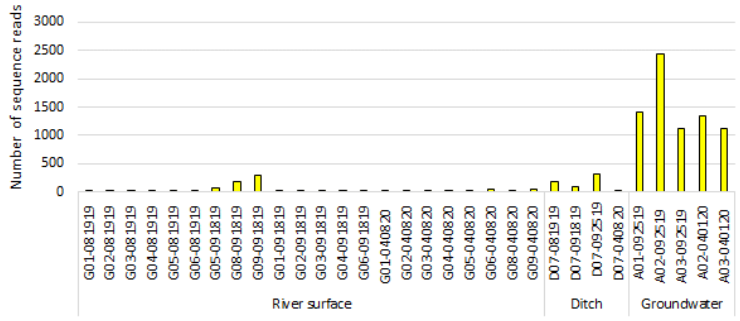

Figure 11.2. The relative abundance of Archaea. The data are shown as the sum of Crenarchaeota, Euryarchaeota, Thaumarchaeota, '*Ca*. Bathyarchaeota', and unclassified Archaea. The data are normalized to be 10,000 sequence reads per sample (1,000 reads correspond to 1% of the total community).

The entire biological methane production on Earth is mediated by methanogenic archaea. Some ammonia-oxidizing microorganisms, which play a fundamental role in the nitrogen cycle, are included in Thaumarchaeaota. '*Ca*. Bathyarchaeota' is a recently characterized lineage of the domain Archaea (Harris et al. 2018). Its function is genomically elucidated as a denitrifying anaerobic methanotroph.

The microbial communities in the Estero River were strongly influenced by four large groups of bacteria: Actinobacteria, Bacteroidetes, Proteobacteria, and Cyanobacteria.

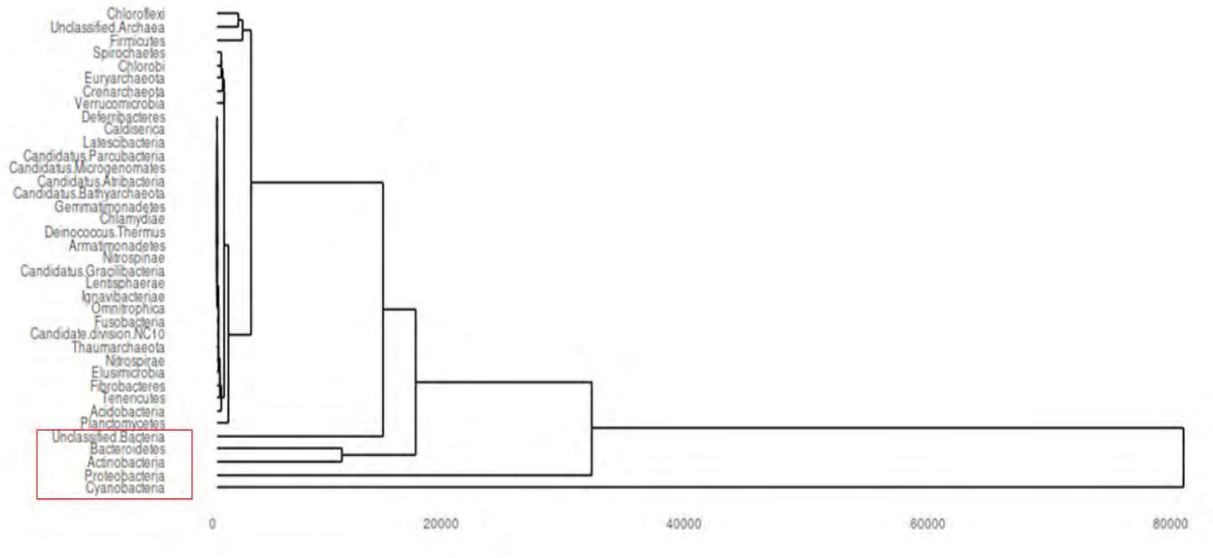

Figure 11.3. Dendrogram at the phylum level. The Euclidean method was used to make a distance matrix and the average linkage method was used for clustering. The data show which microbial taxa are more abundant in the microbial communities of the samples. The data show the importance of four phyla in the communities: Actinobacteria, Bacteroidetes, Proteobacteria, and Cyanobacteria (marked with a red box in the figure).

(Figure 11.3). The dominance of these four groups of bacteria in freshwater environments is common. For example, this pattern resembles a previous research from the Caloosahatchee River (Garcia et al. 2015). When the water discharge from Lake Okeechobee was low, the abundance of Proteobacteria increased. On the contrary, when the water discharge was high, the relative abundance of Cyanobacteria and Actinobacteria increased.

Proteobacteria is a major phylum of Gram-negative bacteria and contains five well-recognized groups (Alpha-, Beta-, Gamma, Delta-, and Epsilonproteobacteria) and three newer groups (Zetaproteobacteria, Oligoflexia, and Acidithiobacillia). They include a wide variety of functional groups such as nitrification, denitrification, nitrogen fixation, methane oxidation, sulfur oxidation, and several other functions. Proteobacteria is a well-studied bacterial taxon because it includes many human, animal and plant pathogenic groups, such as *Salmonella*, *Acinetobacter*, *Vibrio*, *Pseudomonas*, *Yersinia*, *Legionellales*, and many others. *E. coli* belongs to Gammaproteobacteria. An avian fecal indicator, *Helicobacter*, is included in Epsilonproteobacteria.

The relative abundance of different species of Proteobacteria in a tidal system like the Estero River is strongly influenced by the extent to which seawater is present. Betaproteobacteria are a typical freshwater bacterial lineage while Alphaproteobacteria are highly abundant in the sea. The data (Figure 11.4) show that during the wet season, freshwater from the watershed influenced the microbial communities, such that Betaproteobacteria predominated in the entire river. That means that the *Enterococcus* and *E. coli* identified during the wet season, as discussed in Section 8 above, likely originated with runoff and with groundwater feeding the river, not with any transport of seawater or sediment from the estuary upward into the river via tidal action. That is to be expected of the high concentrations identified upstream of about mile 4, which are more distant from the estuarine regions; but the presence of Betaproteobacteria throughout the Estero River suggests that the occasional relatively high *Enterococcus* and *E. coli* in the samples nearer the estuary also originate with freshwater, perhaps backed up into the channel by tidal action near the mouth, but do not originate with more saline water or sediment from Estero Bay. In the dry season, the increased fraction of Alphaproteobacteria throughout the Estero River reaches suggests the influence of saltwater incursion, particularly in the samples downstream of about river mile 3 in the samples collected November 13 2019 and April 8 2020.

Many members of the class Deltaproteobacteria adapt to anaerobic/microaerobic environments, so they are abundant in sediment and groundwater. Presence of those species in the samples would indicate a disturbance of river sediment, perhaps by tidal action or the churning action of boats in the river, and/or of enhanced groundwater discharges as would be expected during the wet season. Epsilonproteobacteria and other Proteobacteria were less abundant.

As described in Sections 3.6 and 3.7, the literature clearly shows that presence and magnitude of *E. coli* and enterococci, identified as FIB for regulatory purposes, do indicate the presence of fecal matter from warm-blooded organisms in a given waterbody, but fail to distinguish between human and non-human sources. The methods discussed in this

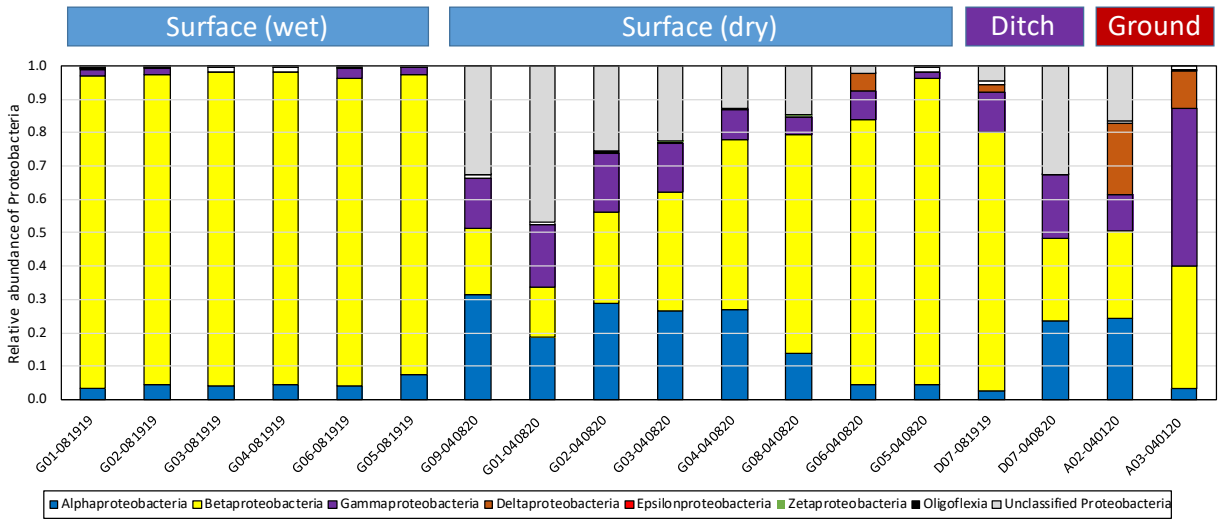

Figure 11.4. Proteobacterial microbial community profiles at the class level. The data show that during a wet season, freshwater from the watershed influenced the microbial communities and Betaproteobacteria predominated in the entire river. In a dry season, saltwater incursion expanded the fraction of Alphaproteobacteria, particularly in a lower river mile zone. Betaproteobacteria are a typical freshwater bacterial lineage while Alphaproteobacteria are highly abundant in the sea. Many Deltaproteobacteria adapt anaerobic/microaerobic environments. They are abundant in sediment and groundwater. Epsilonproteobacteria and other Proteobacteria were less abundant. G09 was a ditch water sample and wrongly labeled.

section succeed in identifying a great many additional species of bacteria in environmental samples. However, as discussed in Section 3.7, while some bacteria may be found more commonly in the gut of some warm-blooded animals than others, the current state of knowledge does not include any species that can be definitively identified as originating with any one specific warm-blooded organism. The presence of particular species of bacteria in the Estero River does not either definitively indicate, or rule out, presence of human waste.

As with any Florida watershed with residential development, the Estero River watershed can be expected to house modest to large populations of various domestic animals and wildlife, primarily dogs as pets; cows, chickens, and other livestock; and gulls and a wide variety of other avian species.

No guidelines have been established for interpreting gene copy numbers at this point. The gene copy numbers determined could be changed by various environmental factors and the size of water bodies. Normally, a quantitative PCR (qPCR) method is employed for this purpose (e.g., specific genetic markers contain HF183 (human), GFD

(avian), and Gull2 (avian)), we used a high-throughput DNA sequencing method to detect these genes. The advantage of this sequencing method is that we can simultaneously detect multiple specific genetic markers from a single water sample. This approach is still in the infancy stage but can potentially replace the traditional qPCR methods.

In qPCR assays, the lower detection limit is usually 10^2 gene copies/100 mL. Our cell counting method showed that 10^6 cells of bacteria per mL of surface water. Our average DNA sequence reads were 20,000 reads per sample. Thus, one read corresponds to 50 cells/mL. This means that if 50 cells exist in 1 mL of the water sample, the method can detect the target bacteria. If one uses 100 mL for analysis, the detection limit can be changed to be 0.5 cells/mL. Thus, the detection limit of the qPCR and 16S rRNA gene amplicon sequencing method used in this study (20,000 reads per sample) are theoretically equivalent.

Table 11.2. The potential sources of specific Bacteroidales genetic markers found in this study

Specific genetic marker	Source
Bacteroides barnesiae	Chickens, other birds
Bacteroides fragilis	Human
Bacteroides intestinalis	Human
Bacteroides massiliensis	Human
Bacteroides sp.	Human, mammal, bird
Barnesiella sp.	Human
Dysgonomonas gadei	Human
Dysgonomonas sp.	Animal
Dysgonomonas termitidis	Termites, other insects
Paludibacter sp.	Human, cattle, other mammals
Parabacteroides chinchillae	Rodents, esp. chinchilla (*Chinchilla lanigera*)
Prevotella sp.	Human
Alistipes sp.	Human
Rikenella sp.	Chicken, Japanese quail, other birds

In summary, Table 11.2 lists those genetic markers found in the Estero River samples in sufficient abundance to reasonably support a conclusion that wastes from the listed species are present in the waterbody. Multiple markers for human waste were identified, demonstrating with reasonable assurance that human waste was present in the Estero River at the time of one or more of these samples. Also present were markers the correspond to other species: *Bacteriodes barnesiae* and *Rikenella* sp. populate the gut of chickens or other birds, and not of humans, documenting that fecal matter from birds was also present in some abundance in the samples. Presence of *Parabacteriodes chinchillae* demonstrates that waste from non-human mammals – most commonly, rodents – is also present in some abundance. And presence of *Dysgonomonas termitidis* demonstrates that

waste from non-human insects was also present in some abundance. The weight of evidence suggests that human wastes are present so that the exceedance of regulatory numeric targets for *Enterococcus* and *E. coli* documented in Sections 7 and 8 above is due at least in part to the presence of human waste. The data also show that it is reasonable to conclude that wastes from other species also contribute the counts, and the frequency of high-concentration events, of *Enterococcus* and *E. coli* in the Estero River. It is not possible to determine the relative contribution of those different species to the presence of the regulated *Enterococcus* and *E. coli.*

The same 16S rRNA gene amplicon sequencing method was applied to these samples in an attempt to detect the regulated FIB *Enterococcus.* This new approach is expected in the future to be a powerful supplement to the traditional counting methods; if a genetic sequencing method could also detect enterococci, the analysis could be more precise. However, this method cannot detect species unless they are at high abundance. This method was first used in Australia, where Schang et al. (2016) documented that the *Enterococcus* and *Escherichia* genera comprised less than 0.01% of the total bacterial community and the detection of these enterobacteria were difficult for high-throughput sequencing. The authors had to lower the resolution of analysis to get several "rare" fecal organisms.

Our Estero River high-throughput sequencing analysis showed the same results, in which the abundance of enterococci was less than 0.01% and *E. coli* was not detectable. Among the water samples subjected to the 16S rRNA gene amplicon sequencing, enterococci were found in only two samples: the D09 site (Charing Cross ditch) on Sep 18, 2019, and the D07 site (Estero Bay Village ditch) on Sep 25, 2019. *Enterococcus* was not detected from the surface river water and groundwater samples. No sample contained *E. coli* at high enough counts to be detectable by this method. These results indicate that the high-throughput DNA sequencing method used in this study (20,000 reads per sample) was not the best method to directly detect FIB. Therefore, a much deeper depth of reading or a more advanced method is required. That is why the standard laboratory methods to detect and quantify FIB, as described in Section 8, were employed.

11.3 Species of Microbes Found in This Study and their Locations; Tentative Evidence for Presence of Human and Non-Human Fecal Matter in the Estero River

The phylum Bacteroidetes was one of the major groups found in this study (Figure 11.4). Bacteroidales is one of the orders mainly formed by obligate anaerobes with some facultative anaerobes. They are found in various anaerobic environments. Some of these bacteria are known as inhabitants of animal guts and could be used as specific genetic markers. *Bacteroidetes* spp. were highly abundant in groundwater samples.

In the present study, 14 genera formed by 25 taxa were found. Among them, specific genetic markers were selected (Table 11.1) and the distribution pattern was examined

(Figure 11. 6). Similar to other coliform data, the gene markers were more frequently found in groundwater and ditch water sites than the surface water samples, so the soil-groundwater and the surface conveyance of groundwater both are shown to be contaminated with bacteria species that populate the gut of warm-blooded animals, though it is not able to discern whether these are humans or other animals.

The results can be examined in relation to the separate reaches of the river, as described in Section 12 below: Upstream Reaches (G08, G05, and G06, at Sandy Lane mile 4.95, South Branch, and North Branch, respectively) as compared to the Middle Reach (from G10, Riverwoods, mile 3.17 at the downstream end to the Route 41 Bridge, G04, mile

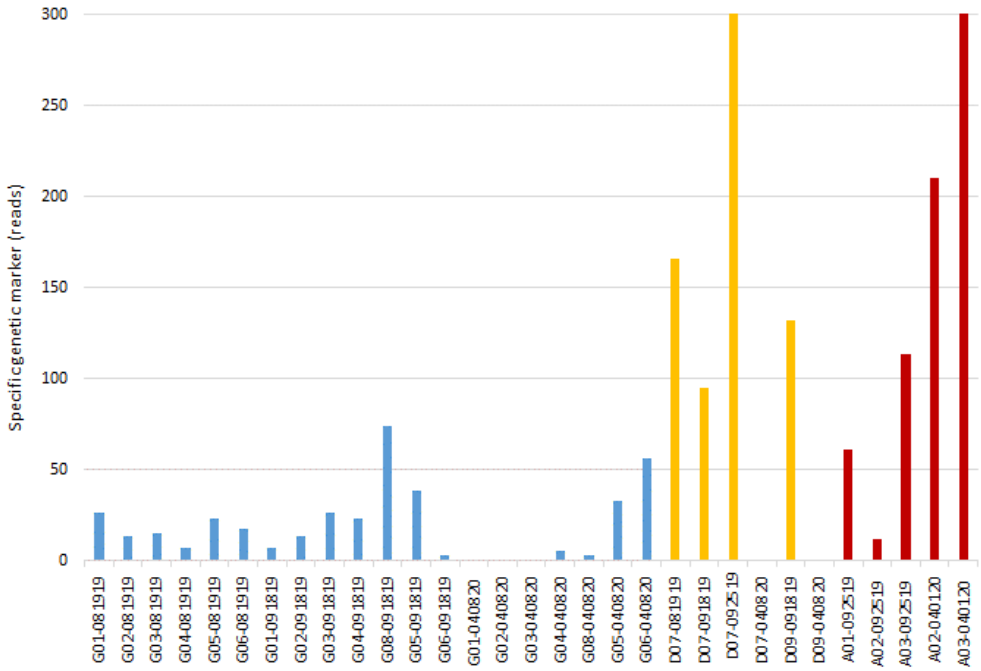

Figure 11.6. The distribution of specific Bacteroidales genetic markers found in the surface river water (blue), ditch (yellow) and groundwater (red) samples. The data were shown as the sum of 14 markers shown in Table 11.1. Two analyses ranged higher than the scale of the y-axis: D07-092519 (924) and A03-040120 (1,196).

4.58 at the upstream end).

The three sites in the Upstream reach had higher numbers of gene markers in a different distribution pattern than the downstream sites. One sample from one location, at Sandy Lane (G08, mile 4.95) in April 2020, contained a much larger number of identified bacteria species than the other five Upstream Reach samples (including the one other Sandy Lane sample). That sample identified *Parabacteroides chinchilla*, a specific gene marker for rodents, which was present on the same day at Route 41, mile 4.58, less than half a mile away, and not identified in any other of the 31 samples on which genetic sequencing was conducted. The upstream sites were different than other sites in other ways as well: for example, *Bacteroides barnesiae*, a specific gene marker for birds, was

detected on multiple occasions in the Upstream Reaches but was only once detected in the Middle Reach, at the G01 site (mile 3.51) on August 19, 2019. The fact that the times, frequencies, and relative abundance of markers were different between locations is further evidence of the finding that bacteria in the Estero River originate from multiple and temporary sources.

The infrequent identification in abundance of a wide variety of bacteria, especially those with genetic markers linked to particular species, further documents the variability of conditions in the Estero River and the wide range of circumstances that contribute at various times to bacteria in the river – including regulated bacteria *Enterococcus* and *E. coli;* unregulated bacteria that originate with non-human species, identified here; and bacteria of concern regarding human health, not named in the regulations but the overarching reason for regulating bacteria in environmental waters.

12.0 Summary and Conclusions: Geographic Localities and the Estero River

This section presents brief summaries of the findings for five separate localities in this study, recapitulating the evidence presented in the sections above to arrive at the best available judgment about the presence of FIB and thus of human fecal bacteria. This section is divided into five sub-sections for these localities: three separate reaches of the Estero River, and two neighborhoods where groundwater was studied. The reaches were chosen specifically for this study, not based on any other agency's demarcations, and were selected to consist of portions of the Estero River where tidal action mixes the water in different ways, and where the data on FIB were reasonably similar in frequency and distribution. Each is about 1.5 miles long. The neighborhoods identified for groundwater studies are smaller in scale, and results apply more locally – findings may indicate how groundwater may behave in other localities but the findings apply strictly to these two very small parts of the watershed. The five localities are:

- Upper reaches, from Sandy Lane upstream about 1.5 miles, including one sampling site on each of the North and South Branches (3 sites);
- Middle Reach, from Charing Cross upstream about 1.5 miles to Route 41 (5 sites);
- Lower / Estuarine Reach, from Armada Court upstream about 1.5 miles to the Charing Cross vicinity (2 sites);
- Estero Bay Village groundwater locality (4 sites);
- Charing Cross neighborhood groundwater locality (2 sites).

As described in Section 2, the data analyses here are conducted this section describes data in terms of "frequency of high-concentration events" at particular locations, and does not compute averages over time or location. The analyses are on the basis of the

number of samples found to have high concentration of FIBs, or "high-concentration occurrences," defined purely for the purposes of this report as greater than about 800 MPN/100 mL. The frequency of high-concentration occurrences is more meaningful to this analysis because FIB appear to originate with highly localized, episodic, short-term events; and their transport in the river does not thoroughly mix them into the environmental system, but instead they are found in samples in localized patches of varying magnitude, location, and event (or species) of origin.

12.1 Estero River upstream of Sandy Lane

For purposes of this study the "upper Estero River" constitutes the portion from Sandy Lane, at about mile 5, upstream on the two branches, to the site G05 about 0.5 miles upstream on the South branch and, on the North branch, to site G06 about 0.8 miles upstream on the North branch, and for purposes of historical data to about 1.2 miles upstream of Sandy Lane at the Three Oaks Parkway bridge. These reaches are affected by tides, but indirectly: the water level in the channels rises and falls with the tides because tidal action 'backs up' freshwater flow, to a variable extent, on a daily or twice-daily (semi-diurnal) basis; the waterbodies do not under normal circumstances receive any saltwater, so are free from any bacteria or substances that have been in contact with the estuary.

Historical data from Three Oaks is somewhat upstream of these locations and is on the North Branch of the Estero River. Those data (Figure 4.3 in Section 4 above) show very infrequent high-concentration events: a total of eight times in the 5-year period January 2015 – January 2020 for *Enterococcus*, and only twice in the 4.5-year period June 2016 through January 2020 for *E. coli*. In fact, even at this upstream location, the concentration of enterococci exceed the regulatory target (the TPTV, or "ten percent threshold value") that specifies no more than 10% of the samples are greater than 130 MPN/100 mL for enterococci. The historical samples for *E. coli* at this location do not exceed the regulatory target of 410 MPN/100 mL for *E. coli*.

Data from the "length of the river" analyses in Section 7 above, as presented in Figures 7.1 and 7.2, show that the FIB found by this study in the North Branch (site G06, at mile 5.74) is similar to the historic data for Three Oaks bridge as summarized in Section 4, Figure 4.3, above: all samples were lower than other parts of the river for both nterococci and *E. coli,* though two of the seven samples found enterococci concentrations well in excess of the TPTV numeric target, once during the wet season (July 2020) and once during the dry season (September 2019). The same graphs show this upstream reach main stem (Sandy Lane site, G08, at mile 4.95) and South Branch (G05) is not much different in the magnitude and frequency of high-concentration conditions from what is found in the Middle Reach and is similar to historic data for the Route 41 bridge. On four occasions out of 14 possible occurrences, one or the other of the two FIB were present in greater concentration at either Sandy Lane or the South Branch than in any samples collected

further downstream. This highlights the fact that FIB enters the river at varying times from varying locations, and the upstream reaches are not immune to fecal contamination.

In summary the findings suggest that, even in this area that receives runoff from only a small area of urban development, FIB do occasionally enter the Estero River.

This upstream reach of the Estero River has fewer cases of high-bacteria conditions, with those conditions occurring more often below the confluence of the two branches. It is the furthest upstream reach studied in this project, but is not so far upstream as to be above the sources of bacteria, as was the case for the Three Oaks site where data was acquired over a longer period by Lee County monitoring. The Estero River in these locations commonly has bacteria conditions exceeding standards for protection of human health, but not as frequently as other parts of the Estero River. That finding, that high-concentration events overall increase in frequency moving downstream in the river, is powerful evidence that the FIBs originate with urban/human activities. In the case of a pollutant that enters a river in steady, small amounts from urban land uses, we would expect to see a gradual increase in pollutant concentration as the river flows downstream, passing more and more contributing sources. In the case of FIBs, as the river flows downstream it increases its potential encounters with short-term, episodic source events, so the probability of high-concentration samples increases, and the frequency of high-MPN samples over time increases at sampling sites proportional to the distance the river covers – thus increased frequency at downstream locations. That pattern is observed in the Estero River, evidence that FIBs originate with residential land uses in the watershed.

There were no samples tested for sucralose in this reach, so there is no chemical tracer that could help indicate the extent to which the detected FIB originate with human waste as opposed to other warm-blooded animals. However, two samples were tested for sucralose collected at a site just below the downstream end of this reach – and upstream of the suspected sources of wastewater in the Middle Reach – at the Route 41 bridge (site G04). Both samples were found to have very small concentrations of sucralose compared to the amount found in groundwater. As discussed in Section 12.2 below, that is typical for surface water samples: sucralose is generally an effective indicator in groundwater, and not in flowing surface water, because surface waters have much greater volumetric flow per unit time and any sucralose is heavily diluted, frequently below the laboratory detection limit. The very low concentration detected at G04 supports the assumption that the FIB in these “upstream” reaches likely originate in part with human waste, but the low concentrations indicate there is unlikely to be a continuing, sizable source in this vicinity.

Results of the biological tracer analysis – genetic sequencing of the bacteria in the samples, searching for genetic markers that might indicate the warm-blooded animal from which the bacteria originated – also suggest some human, and some non-human, sources in the upstream reaches. As noted in Section 11 above, these methods succeed only where

bacteria counts are sufficiently high to produce results in the laboratory test, so the presence of a result is definitive, while the absence of result is not definitive (as demonstrated by the fact that enterococci were identified in only two samples out of 31 analyzed, whereas were found in nearly all of the more than 150 samples tested using the conventional laboratory methods).

The data in Section 11.3 conclusively show multiple species of bacteria known to originate in the human gut in the Upstream Reaches (which is true of all other localities as well). In addition, in the Upstream reaches, several of the 31 tested samples also showed the presence of species originating in various avian species; and one sample showed the presence of species considered to be a genetic marker for rodents. The weight of the evidence strongly suggests that some of the bacteria originate with non-human animals – including, most likely, the regulated bacteria *Enterococcus* and *E. coli.* The state of the art is not sufficient to estimate the relative contribution of human and non-human sources to the high concentrations of the regulated bacteria, but is sufficient to document that humans contribute. If that is true here, at the furthest-upstream locality evaluated in this study, it can be reasonably concluded for the downstream reaches also.

12.2 Estero River Middle Reach

This study designated the Middle Reach as the Estero extending from about mile 3.0, near the Charing Cross neighborhood, upstream to the Route 41 bridge, at about river mile 4.6. The Route 41 site was chosen because it is the same location as sampled by the Lee County Department of Environmental Management, at its site numbered 47A-15GR. The downstream end (at the Charing Cross neighborhood) is just downstream of the boat launch at Riverwoods, at about river mile 3.2, which is also a Lee County sampling site, numbered 47A-4GR.

This constitutes a distinctive reach for two reasons. The first reason is the influence of tides, which may strongly affect the input, mixing, transport, and sample concentration of FIB. The reach experiences some mixing by semi-diurnal tides moving water upstream from the estuary, so that the FIB concentration measured at any one time may not be the result of FIB discharged “upstream” of the point where the sample is collected. Water flows in either direction, and with markedly varying velocity, at different times on different days. It is not known whether FIB may survive in the environment long enough to accumulate in the estuary and then be moved back up the channel, but if that is the case, then those organisms will be present in samples and add to the count of any bacteria that may be entering the river from the watershed. Typically the estuarine, salty, water moves upstream beneath the flowing freshwater, whose lower density keeps it afloat atop the saltwater, but there may be sufficient turbulence that a sample at any depth might contain FIB from upstream, downstream, or both. The second reason this reach of the river is considered separately is that there are suspected FIB sources within the reach: FIB might

reach the Estero River if there are incompletely treated discharges from two small-scale 'package' wastewater treatment facilities, at the Estero Bay Village neighborhood (G07, about mile 3.6) and Sunny Groves neighborhood (G06, about mile 4.25). FIB might also reach the Estero River from septic systems if those systems are too close to the river, too near to one another, or improperly maintained and operated, or any combination of those factors. It is known that there are septic systems in this reach, including but probably not limited to the Charing Cross neighborhood.

Historic data show that the frequency of high-concentration events, and especially of very-high-concentration events, is much greater at Riverwoods, near the downstream end of this segment, than at the Route 41 at the upstream end. Figures 4-1 and 4-2, in Section 4 above, show that the Riverwoods site recorded 9 occasions of enterococci at the method-quantitation maximum of 2,420 MPN/100 mL between January 2015 and December 2019, and 9 other occasions between 800 and 2,000 MPN/100 mL. For the same period, the upstream Route 41 site detected only 2 occasions of *Enterococcus* 2,420 MPN/100 mL and 6 occasions above 800 MPN/100 mL. This is consistent with the pattern of increasing frequency of high- and very-high-concentration events as the river moves downstream, documenting that FIB enter the waterbody in increasing frequency as it flows further through areas of developed land uses where sources might be found. This 1.5-mile reach of the river clearly is such an area of FIB sources.

That finding is supported by data from the present study. Of the seven sampling events conducted, in most samples, the highest concentrations for either or both FIB were found in this Middle Reach, with the exception of some that suggest the influence of tides when the lowest reach was higher (July 28 2020, November 2019). Several samples (July 14, August 10, September 13, April 8), showed "off-the-chart" extremely-high-concentration results for one or both FIB at one or more of the stations between mile 3.0 and mile 4.6, mostly during samples when no other sites were nearly so high. Those four occasions included two wet season and two dry season samples. Considering the three reaches together, it appears that the Middle Reach is the source of some of the FIB in the Estero River. The repeated finding of FIB at greater concentration in this reach than either upstream or downstream – not on every sample, but most – is reasonably strong evidence.

However, the data from the current study are not able to definitively document that any one location or activity is a FIB source. The exact locations of highest-concentration findings within the reach vary between samples. There was one sampling event, September 2019, when no locations within the Middle Reach displayed high FIB concentration (though this event did not collect samples in the lower reach). This is consistent with the finding that FIB sources enter the Estero River as discrete, short-term, statistically-varying events, not from a continuous condition or source. These are not continuous discharges as from a polluting factory or an improperly-treated waste, but intermittent pulses carried by varying conditions of precipitation, groundwater flows, seasonality, tidal flushing and other

unknown factors. But the highest frequency of such events appears to occur in the Middle Reach of the Estero River, which is known to contain potential sources including neighborhoods with septic systems and small-scale, privately-operated treatment facilities.

The high-concentration conditions in the Estero River do not correspond in any obvious way with known high-precipitation events, seasonal changes in population, season-long changes in rainfall or water table changes, or identifiable tidal conditions. The fact that the high-concentration events predominate in this section of the river suggest that multiple sources to the river affect those high bacteria concentrations, possibly including but not necessarily limited to the neighborhood-maintained wastewater treatment facilities; densely-clustered or improperly-maintained septic systems; and runoff from community lawns.

Evidence suggests the FIB in this reach originates, at least in large part, with human wastes. Sucralose was tested at only one site, G04, the Route 41 bridge, and only on two occasions. In both cases it was present, but at only small concentrations. That is typical of surface water when it has in the past been tested for sucralose, and the sucralose data does not contribute to our understanding of bacteria in this section of the Estero River.

Genetic sequencing for this reach identified a large number of various bacteria, as expected in an environmental system. However, the results did not find quantifiable amounts of any of those few species identified as genetic markers for particular warm-blooded organisms. That is, all the species identified are known to originate with either a) humans or b) humans and other warm-blooded species. There is no evidence as to whether bacteria in the surface water of the Middle Reach originates predominantly with humans, predominantly with other species, or some mix of multiple species.

12.3 Estero River Lower/Estuarine Reach

The lower reach of the Estero River is so near to Estero Bay that it may be fully estuarine, not only mixing with saltwater but routinely flushed by tides. This study assumes that in this reach fresh water from the Estero River watershed is fully intermingled with saline or brackish water from the Estero Bay estuarine system. That assumption is not fully documented by any hydrologic studies but is believed to be a reasonable explanation for the behavior identified in our data. The research did not include any study of data from Estero Bay, although it is known that Lee County has conducted sampling at various points in the Bay, because that waterbody is so variegated and its mixing regime so complex that understanding it is beyond the scope of this study. The concentration of FIB measured in any one sample is expected to be affected by mixing, varying upstream sources, and potential downstream sources to an extent that the source of any one sample, or the dominant influence at any one location, is indeterminate.

The sampling points in this reach of the Estero River were G12, at approximately mile 2.31, and G11, at approximately mile 2.56. Only five of the seven sampling events included those two sites. Results showed FIB concentration that varied from extremely high to extremely low. These data also exhibit the known lack of correlation between the two FIB species. In one wet season day's sample, November 2019, the concentration of *Enterococcus* (at > 2,420 MPN/100 mL) was much greater than the concentration of *E. coli* (between 400 and 800 MPN/100 mL) at both G11 and G12 sites. In another wet season day's sample, July 28, 2020, the concentration *E. coli* (1,600 MPN/100mL at G12 and 1,000 MPN/100 mL at G11) was much greater than the concentration of *Enterococcus* (400 MPN/100 mL at both sites). In a dry season day's sample, April 2020, again the concentration *E. coli* (900 and 1,100 MPN/100 mL) was much greater at both sites than the concentration of *Enterococcus* (less than 50 MPN/mL at both). In the July 14 2020 sample, *E. coli* was much higher at G12 and *Enterococcus* was much higher at G11. The chaotic mixing within this reach renders it impossible to make any determination about presence of sources in this reach but implies the existence of multiple FIB sources, and the small number of samples possible under this study does not give sufficient information to understand the effect of tide stage, direction, and magnitude on the sample results.

No surface water samples from this reach were tested for sucralose, so there is no chemical tracer information about the Lower / Estuarine Reach. The samples were not tested because it is expected that sucralose, known to be present at low concentration in surface waters generally, is unlikely to be detectable in the high-volume, chaotic mixing regime of this reach.

As in the Middle Reach described above, genetic sequencing for this reach identified a large number of various bacteria, as expected in an environmental system. However, the results did not find quantifiable amounts of any of those few species identified as genetic markers for particular warm-blooded organisms. That is, all the species identified are known to originate with either a) humans or b) humans and other warm-blooded species. There is no evidence as to whether bacteria in the surface water of the Lower / Estuarine Reach originates predominantly with humans, predominantly with other species, or some mix of multiple species.

12.4 Groundwater at the Estero Bay Village neighborhood

The Estero Bay Village neighborhood was surveyed with three sampling sites that collected water from the subsurface, and one site of flowing water at small volume (roughly 1 to 3 ft^3/second) that observations demonstrated consisted of groundwater discharged into the channel less than 200 m upstream from its discharge into the Estero River. That small channel runs parallel to the two treatment lagoons that serve as a final "polishing" treatment step for wastewater from the privately-operated "package" wastewater treatment facility at Estero Bay Village. The lagoons do not appear to have a piped outlet

for the wastewater, and instead deplete their standing water through evaporation and infiltration into the groundwater. The intent of this design is that microorganisms in the groundwater will biodegrade any waste or organisms that may remain in the wastewater thus rendering the discharge safe for the environment and for human contact.

The channel is about 5 m from the parallel edges of the lagoons, separated from the standing water of the lagoon by a raised embankment. The channel was observed to contain flow on every occasion the site was visited, including the dry-season samples in January and June 2020. Inspection on foot revealed that the channel was dry upstream of the uppermost treatment lagoon, including during the wet season, but that flowing or standing water was visible beginning at the upstream edge of the first lagoon, and flowing water was visible from the downstream end of the second lagoon through the discharge into Estero River some 100 m downstream. It is unambiguous that the flow originates as groundwater discharging from the vicinity of the lagoons. That does not mean that the flow is, or is not, satisfactorily treated before entering the Estero River, either in the package treatment operations, or by biodegradation in the soils, or some combination of the two.

Evidence is persuasive that FIB are not conveyed to the Estero River in subsurface groundwater, at least in the two neighborhoods sampled fo this study. The evidence is shown in Figures 8.1 and 8.2 above, where data from the subsurface groundwater (sites A01, A02, A03) for the most part do not show presence of FIB in large amounts, excluding samples believed to be contaminated (for reasons explained in Section 8). One persuasive feature is the site A02, drawing groundwater from about 2 m beneath the surface, where samples routinely were found to be less than 200 MPN/100 mL for enterococci. That site is directly adjacent to the flowing surface-groundwater drain Site G07 (about ½ meter away), which on multiple occasions exceeded the laboratory-maximum of 2,420 MPN/100 mL for enterococci. The high concentration of sucralose at those three sites is persuasive evidence that the groundwater flow, and the discharge from the drainage ditch, was routinely conveying treated human wastewater exiting the lagoon through the groundwater. The low concentration of FIB, at the same time as high sucralose, in A02 and A03 show that biodegradation in the soil is satisfactorily removing FIB as intended in the design of a treatment lagoon such as these.

On the other hand, the surface flows of discharging groundwater at Site G07 and Site G09 do appear to carry high concentration of FIB. At Site G07, in five of eight tested samples, *Enterococcus* were present at the laboratory-method maximum 2,420 MPN/100 mL. The high concentration of sucralose in four samples tested from Site G09 is strong evidence that the Estero Bay Village treatment lagoon is the ultimate source of FIB in that surface-groundwater drain, though the sporadic nature of the FIB and the fact that E. coli were absent in most samples suggests that the proximate source on most occasions may be enterococci that survive for some time in the soils of the ditch. That suggestion is supported by genetic sequencing data that showed surface-groundwater flow at G07 contains numerous species of sulfur bacteria, which originate from the sediment. The

oxygen-rich flowing water continuously carries sediment particles and sediment bacteria into the river, and in this location, it appears to be mostly enterococci that survive long enough to reach the Estero River. The G07 water was high in organic matter and nutrients, which may support survival of bacteria in the ditch sediments. Evidence from previous research suggests that both *Enterococcus* and *E. coli* can survive in these environments (Byappanahalli et al. 2012; Ishii et al. 2006; Jang et al. 2017). The high sucralose in G07, combined with the high *Enterococcus,* is strong evidence that the flow in that ditch does originate with the treatment lagoons; is not being satisfactorily treated either in the treatment system or in the soils; and the survival of enterococci in the soils of the ditch allows this to be a source of FIB to the Estero River.

Testing for the biological marker, via genetic sequencing, was conducted for the groundwater samples of this locality. There was high abundance of multiple anaerobic and microaerobic species of bacteria in all three soil-groundwater sample sites (A01, A02, and A03), in samples from at all times in which they were tested. That includes both the A03 site, adjacent to the treatment lagoon, which was uniformly found to be high in the target FIB enterococci and *E. coli*; and also of the A01 site, which had no examples of high concentrations of the two target FIB and essentially zero sucralose on each occasion when it was tested. That means that robust presence of multiple species of bacteria in the soil groundwater does not indicate either presence, or absence, of FIB or human waste, and may also not be associated with presence or absence of potentially harmful bacteria. On two occasions the surface-groundwater flow, from the ditch at D07, was also tested for the biological marker; the abundance of species in that flow was less than in the soil-groundwater samples, but greater than in the surface samples from the Estero River.

12.5 Groundwater at the Charing Cross Circle neighborhood

The Charing Cross neighborhood groundwater was investigated with one shallow-groundwater sampling site, at A05, directly adjacent (about ½ m) to a surface drainage ditch, sampled as site G09. That ditch was to flow in very small volume (about ½ to 2 cfs) on every occasion when the study team visited, including the dry weather visits in January and April 2020. That visual observation suggests the channel is conveying discharges from shallow groundwater in the neighborhood, where the residences are all served by septic systems.

At Site G09 in the Charing Cross neighborhood, *E. coli* were present in much greater amounts than *Enterococcus*, suggesting that human wastewater may be the ultimate source in that drain also, likely from septic systems in that neighborhood. This could suggest that in those particular soils, *E. coli* survive better than *enterococcus,* and succeed in reaching the Estero River. The presence of the two FIB in different amounts at the same location over different times – and at different locations in different amounts at the same time – originate from a complex interrelationship of differing sources, different survibability, and varying conditions in the environment. In both locations, it is suggested that FIB reach the two surface-groundwater flows or “ditches” because those “ditches” are so near the

wastewater sources – septic systems at Charing Cross, treatment lagoons at Estero Bay Village – that the flows can "short-circuit" the soils and reach the surface drainages in such a short time the FIB are not attenuated by biological and physical process in the soils.

However, data from the flowing channel sampled as G09 suggests that flow does convey FIBs. The site G09 on the graphs had *Enterococcus* at high concentrations on three occasions (between 1,500 and 2,420 MPN/100mL, out of seven occasions sampled. The same site was high in *E. coli* on five occasions – two of them at 2,000 MPN/100mL or greater, and three of them between 800 and 1,000 MPN/100mL. This is different than the results from the similar small channel studied in the Estero Bay Village neighborhood, where nearly every occasion was high in enterococci but only once in *E. coli*. No samples from G09 were tested for sucralose.

The overall pattern where more than half of the sampling events contained high MPN of one or both of the FIB demonstrates the small surface flow at Charing Cross is a source of FIB to the Estero River. Those findings are consistent with the channel conveying wastewater, which could originate with septic systems in the neighborhood if they should be "short-circuiting" the soils by reaching the small surface channel after spending too little time in the soil for FIB to be biodegraded by organisms in the soil.

Because these sites were added relatively late in the study period, no chemical tracer (sucralose) analysis was conducted for either the soil groundwater samples from site A05 or the surface-groundwater samples from the ditch site G09.

Two samples from G09 (September 18, 2019 and April 8, 2020) were analyzed for the biological tracer (genetic sequencing). The results do not definitively indicate either the presence or absence of non-human sources but do definitively indicate the presence of human sources. The two samples found a different relative abundance of various species during the two separate sampling times. This is further evidence for the finding that source events are episodic, short-term, and temporary: even in this location where the bacteria is believed to originate predominantly with septic systems, the ways in which those bacteria reach the surface appear to be episodic, such that septic facilities contribute flow the surface in different amounts at different times. That would argue against the likelihood of one or a few septic systems having failed or being operated improperly, and suggest instead that varying conditions of usage, precipitation, water table height, and other factors govern the transport of fecal bacteria in complex ways at different times.

12.6 Findings from This Study

A main goal of the project was to determine whether sampling of this type, with high spatial resolution (10 sites for one 5-mile reach) and limited snapshot occurrences (3 during dry weather and 4 during wet weather within one 13-month period) were capable of identifying locations where FIB might be entering the waterbody from source activities or conditions on or near the waterbody. The data succeeded in documenting that FIB

within the Estero River at various locations, at various times, do reach extremely high concentrations, which documents that some source activities or conditions do contribute FIB to the river. The extreme variability of FIB within the environment and the extreme variability of potential source activities and conditions preclude the possibility of identifying river-mile locations of sources, but the project did succeed in documenting that conditions on the Estero River do on multiple occasions lead to FIB concentrations well in excess of the regulatory standard.

The following findings accrue from the quantitative results.

1. Data support numerous previous researchers in documenting decoupled variation between different species of FIB: *E.coli* and *Enterococci* varied in ways that did not correspond to one another in nearly all samples. This finding supports the conventional wisdom that no one species is an ideal indicator of potential presence of bacteria originating with human waste. Our data suggested that both bacterial species had multiple sources, which likely vary both temporally and spatially. As both FIB species are present to varying extent in humans and in other organisms, and any group of humans or other species will have both of these, and other organisms, present in their wastes in ways that vary between individuals, and between groups, over time both within the digestive track and in environmental systems affected by the wastes of warm-blooded species.
2. Data on FIB in the waters of the Estero River varied spatially and temporally. In almost no cases – wet or dry seasons, or in any run-of-the-river sample – was the MPN either high (above 1000 MPN/mL) or low (below 200 MPN/mL) in all locations sampled. The data thus show that spatial variability within the stream at a given time is greater than variability between times. That finding indicates that high MPN counts can be triggered by highly local and short-term events, and it is not clear if those events endure for hours, days, or weeks or whether they may have dissipated within hours after the sample was collected.
3. FIB concentration variability due to tidal mixing and transport is believed to be powerful, but known to be highly complex in a southwest Florida water such as Estero River with low freshwater flow that experiences semi-diurnal tides (two tides daily, on most days) of variable timing and magnitude. Two wet weather samples, and one dry weather sample, appear to show higher concentrations in the downstream portion (approximately river miles 2 through 3) where we would expect tidal action to produce conditions of resuspension of deposited sediment, or of tides 'piling up' freshwater discharges in a way that might concentrate suspended sediments, or both. That portion of the river was sampled only three times during wet weather and twice during dry weather. The results suggest that one or the other of those mechanisms, or both, might contribute to high FIB concentration under some conditions but not all. It is not possible to attribute those results to either high or low tide, or incoming or outgoing

tide, because tidal conditions changed over the course of every 4-hour sampling event. Future research might further investigate that mechanism.

4. Routinely low FIB concentration in the upstream portion of the watershed strongly suggests there is little or no source from wild warm-blooded non-human animals in that undeveloped area. Increased (though highly variable) FIB concentration as the Estero River moves downstream through residential land uses indicates that either human activities, or animals coexisting with human activities, are the sources of FIB in the waterbody. As a point of comparison, data from two waterbodies studied by FGCU during this same time period in a nearby municipality (Spring Creek, Imperial River) showed that FIB concentrations were higher, though moderate, under most conditions in the upstream portions of the watershed, which have substantially higher development density than the Estero River reaches above river mile 6. Those two other waterbodies showed routinely increasing FIB concentrations as the streams moved downstream through developed residential areas. Those observations together with the Estero River data strongly suggest that dense residential land use corresponds to areas where bacteria enter the river.
5. The effect of several suspected source activities (small wastewater treatment facilities, septic systems, residential lawns used by pets extending directly to river's edge, and others) could not be reliably differentiated from other land uses, as there were no locations where persistent high concentrations were co-located with any of the suspected sources. The findings are consistent with all those sources, and more, contributing to the periodically very-high FIB concentrations on the Estero River.
6. It was expected that FIB concentration patterns would be different between wet-weather and dry-weather seasons. Instead, concentration patterns varied substantially among sampling events in each season, and no discernible pattern shows more variability between seasons than within seasons. The high variability of FIB concentration in the environment, and the high variability of source activities, outweighs any differences that may be produced by high or low in-stream flow diluting discrete discharges, or source-mobilizing action of precipitation events, in the samples collected for this study. Those effects may be present, but they do not influence the concentration at a given site or a given time to a discernible extent.
7. Although tested numbers of samples were small, our data showed river bed sediment, river bank soil, ditch water and road standing water harboured a large numbers of FIB and demonstrated that these could be potential sources of FIB input to the Estero River. Those sediments are not believed to be the point of origin of those FIB – they receive FIB from biological sources such as fecal matter originating with human wastewater or other warm-blooded animals – but short-term disturbance of river sediments, riverbank soils, or soil from the watershed mobilized by heavy precipitation – can theoretically trigger local and temporal high FIB events, and could be the proximal source of FIB measured in any one water sample.

8. Groundwater, in the areas studied, does not appear to convey large quantities of FIB to the Estero River, even though it does receive some human wastewater. That human wastewater appears to have any FIB satisfactorily attenuated by biological and physical activity in the soils before it reaches the river, and it is not likely that direct groundwater flows into the river are a major source of high MPN counts of FIB.
9. However, surface flows of discharging groundwater that has "short-circuit" the preferred underground path do appear to convey FIB to the Estero River. Surface flows in the "ditches" does not receive the same attenuation as groundwater; rather, the soil beneath the ditches appears to provide a stable environment for FIB, so that flowing water can re-suspend FIB and convey them to the river. It is not clear how large these contributions may be, or how many neighborhoods are drained by this kind of small surface discharge, but it could potentially be a significant source of FIB to the Estero River.

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Appendix A. Field and Laboratory Data

Investigation on Fecal Indicator Bacteria, Estero River, 2019-2021

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FGCU Estero River study

July 2019 –

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Estero River Bacteria-Nutrient Source Identification Project
Contract EC 2019-29

Final Report to Village of Estero

March 15, 2021

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FLORIDA GULF COAST UNIVERSITY

Fecal Indicator Bacteria in Three Tidal Streams in Southwest Florida: Temporal and Spatial Variation

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THE WATER SCHOOL AT FGCU

Introduction

In the U.S., surface water is subject to regulatory limits for fecal indicator bacteria (FIBs) including fecal coliforms, *E. coli*, and *Enterococci*, which are intended to serve as indicators of possible contamination with wastes and the negative health effects that can accompany it (USEPA, 2002). Sources include those known to cause negative health effects (leaking sewage lines or septic systems) and others not believed to affect human health (runoff from animal husbandry, fecal matter from wild warm-blooded species). Research has established that FIB concentration varies by an order of magnitude or more, over time frames as short as 1 hour, distances as short as 100 meters, and storage of live FIBs in soils of tropical waterbodies for months (Boehm, 2007). Data from 20 years of sampling (Avallone et al., 2020) show that tidal streams in urbanized parts of SW Florida have repeatedly, and by large magnitudes, exceeded the federal standards of *E.coli* and *Enterococci* in three target streams: Estero River, Spring Creek, and Imperial River (F.A.C. 62-304.800, 2019; Lapointe et al., 2018).

Objectives

- Characterize spatial and temporal variability of two FIBs in tidal streams to improve understanding of how to identify sources.
- Investigate whether source locations, variation due to environmental conditions, and long-term variability can be can be identified or narrowed down using infrequent sampling with high spatial resolution.

Methods

- Sites selected for sampling allowed for greater resolution, more closely spaced, than ever before on these waters: 10 stations within 8 river kilometers. Several sites were directly downstream of suspected sources (package plants or residences with septic systems).
- Temporal sampling was not high resolution. FIBs vary on time frames less than one hour, and this research collected only 3 to 8 times during the 1-year research period.
- Samples included 'wet season' and 'dry season' events for each waterbody, recognizing the strong seasonal variation in Florida's aquatic systems.
- Sample collection protocol were rigorous to avoid contamination by human hands, rapid bacteria de-activation by storing on ice, and delivery for lab analysis within 6 hours of collection to accurately quantify bacteria.

Figure 1. Imperial River sampling sites. All three target streams were sampled with similar spatial resolution: 10 sites, along a river reach approximately 8km.

Results

FIB concentration in all target streams routinely exceeded Florida water quality standards of 35 MPN/100 mL for *Enterococci* and 126 MPN/100 mL for *E. coli* (F.A.C. 62-302.800)

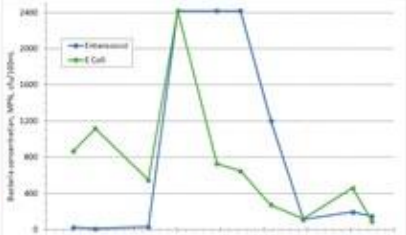

Figure 2. Estero River, one sample day, dry season: 4/8/20. *All graphs are by river mile, increasing upstream from arbitrary datum at mouth.*

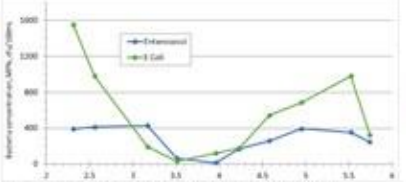

Figure 3. Estero River, one sample day, wet season: 7/28/20

Estero River graph is consistent with moderate upstream sources, declining downstream during wet weather as inflows dilute. In both seasons concentration is relatively high near the mouth at Estero Bay. Sites near small wastewater treatment plants on Estero River (miles 3.5-4.5) reached extremely high FIB concentration, with both enterococci and e. coli exceeding the method quantitation limit - but only during dry season, and not in every dry-season sample.

All target waterbodies showed high FIB concentrations near their mouths (sometimes exceeded near major upstream sources) suggesting Estero Bay - the estuarine receiving water for all three - is a FIB reservoir and tidal action moves FIBs up into the streams. The flat was mild or absent on some days, presumably varying with tide direction, magnitude, and timing.

Concentration of enterococci and e. coli correlate poorly with one another, to varying degrees. For example: similar in Spring Creek August 11 2020, quite dissimilar in Imperial River December 18 2019.

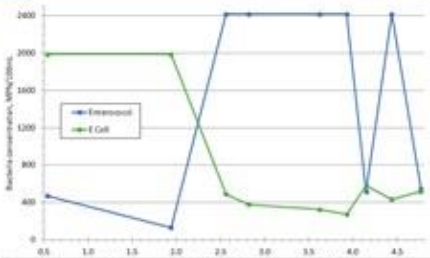

Figure 4. Imperial River, one sample day, dry season, 12/18/19 - when the river was at high tide throughout the sample session.

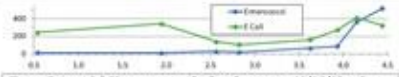

Figure 5. Imperial River, one sample day, dry season, 11/10/19 - when the river was at low tide throughout the sample session.

In Imperial River, FIB concentration was much higher during the low tide sampled day, though that does not conclusively show it would behave that way at all low tides.

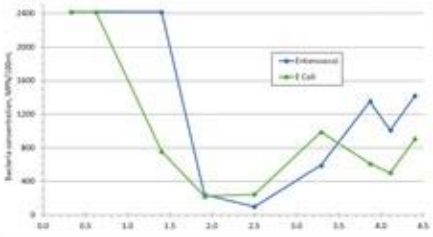

Figure 6. Spring Creek, one sample day, wet season: 8/11/20

Spatial variation in Spring Creek is consistent with FIBs originating with dense urban land uses (in uppermost reaches), then diluted by runoff and groundwater entering the stream in the middle reaches, and near the mouth receiving additional FIBs from tidal action in the estuary.

Discussion

FIB concentration variability due to tidal mixing and transport is believed to be powerful, but shown to be highly complex in these streams of low freshwater flow that experience two tides daily of variable timing and magnitude. The limited sampling did not quantify tidal effects but did identify tidal vs upstream reaches.

Infrequent sampling with ½ km spatial resolution was sufficient for initial identification of source regions. FIB variability occurs on even finer scales so location information was not precise enough to verify discharge sources.

Temporal variation is such that sources were evident during some samples but not others - sufficient to trigger further investigations but not to support statistical analyses that would quantify loads or predict daily conditions.

Known and suspected sources of FIBs on these streams are very small in magnitude but created some occasions of high in-stream concentration, well in excess of regulatory standards, some of them exceeding the method quantitation limit.

Conclusions

- Routinely low FIB concentration in an undeveloped upstream watershed (Estero River) but high in developed upstream watersheds (Spring Creek, Imperial River) strongly suggests residential land uses are sources of FIBs.
- High concentration downstream of suspected discharges on one stream (Estero River), during dry weather, were strong evidence that they are FIB sources.
- As expected, FIB concentration patterns were different between wet-weather and dry-weather seasons. High flow appears to dilute discrete discharges, negating their effect, but makes little difference to dispersed land-use sources or influence of tidal mixing from high-concentration estuary receiving waters.
- Data support numerous previous researchers in documenting decoupled variation between different species of FIBs: *E.coli* and *Enterococci* varied independently in nearly all samples.

Acknowledgements

This research was funded by the City of Bonita Springs Department of Public Works and the Village of Estero Department of Public Works. Laboratory analyses at FGCU were conducted by Michael Kratz and Taylor Hancock, under supervision of Prof. Haruka Urakawa and Hanako Urakawa. Field work for sample collection was supervised by Prof. Serge Thomas and Prof. LD Duke, and conducted by Hannah Boyette, Emily Daniels, Luke Roides, Samuel Ebert, Ian Lide, Jacob Yoder, Domenick Avallone, Saarah Dudley, Fernando Guillen, Samuel Perez, Marylue Smith, and Tiffany Castle.

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Fecal indicator bacteria: FIB

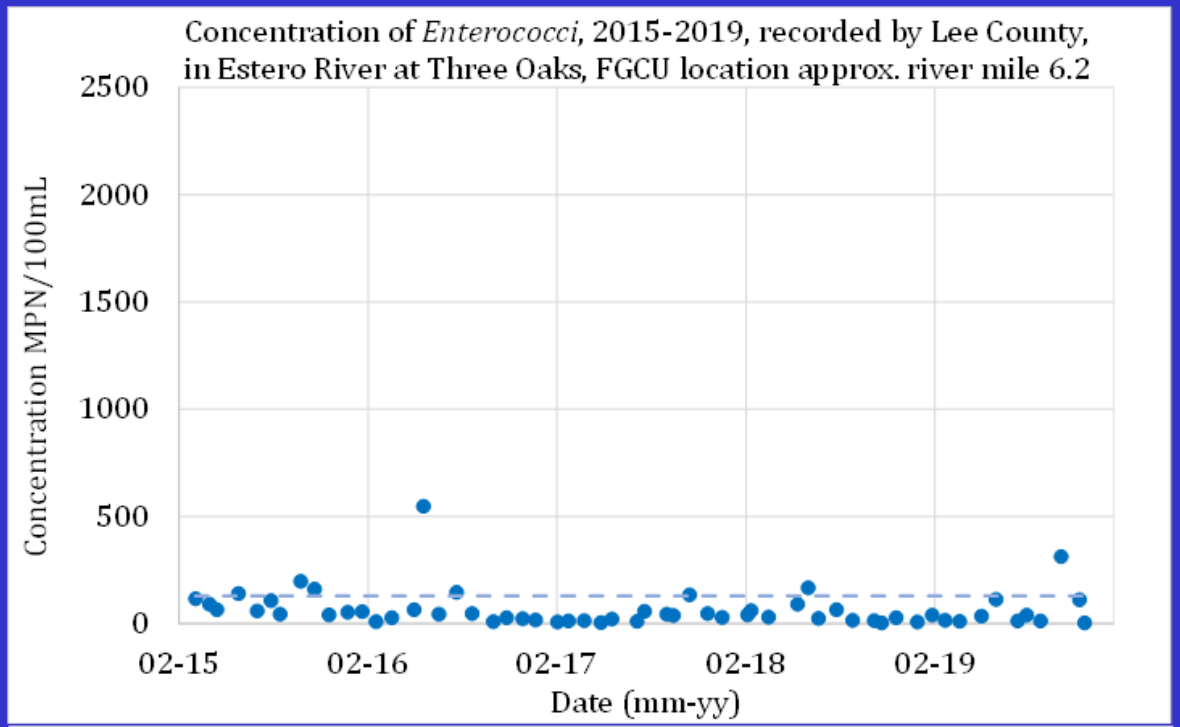
- Designated by USEPA and FL DEP for water quality standards, two species:
  - *Enterococcus*
  - *E. coli*
- Surrogates for species that can cause human health effects
- Relatively easy to measure – while potentially harmful species are very difficult to measure
- Highly variable in the environment, by time and place

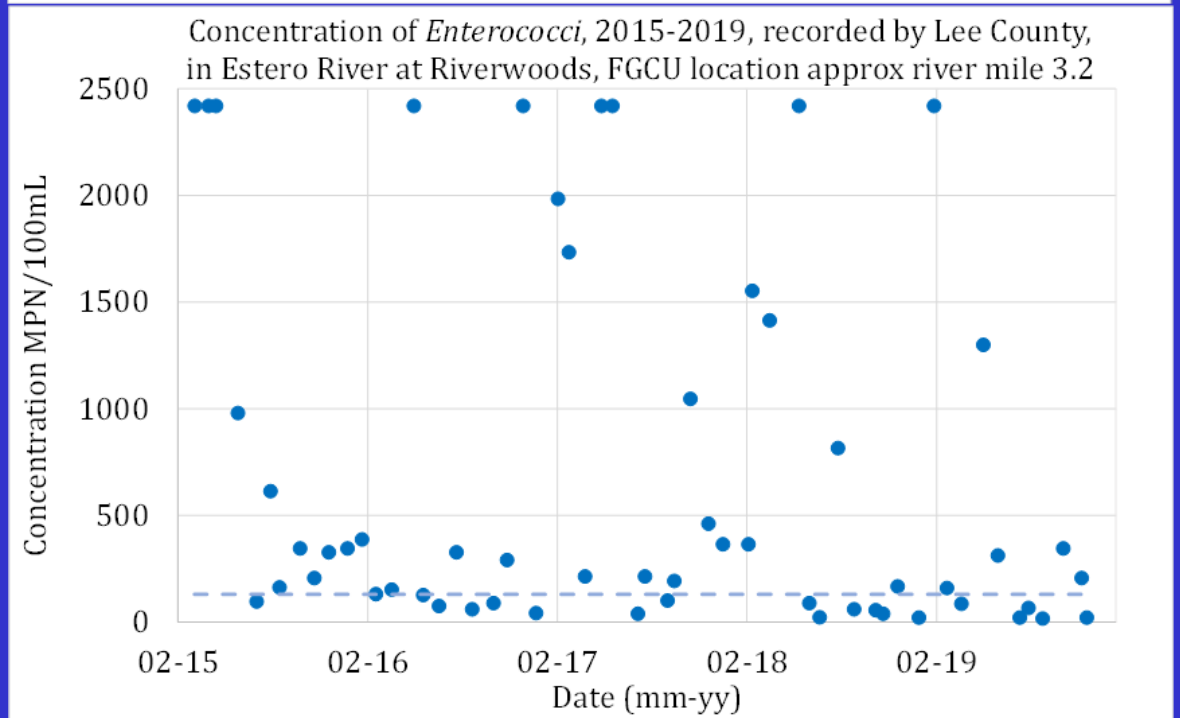
Key findings

- High FIB numbers in upstream locations are evidence that human activities produce and/or enhance sources
- High FIB variability, temporally and spatially, confirms sources are episodic, short-term, varied in action/inputs: in aggregate, sources are substantial
- Variability within and between sampling events, affected by many factors, masks specific sources
- Frequency of high-FIB events, with presence of sucralose and microbe species found in humans, confirms presence of human waste AND other sources
- Groundwater does not appear to convey waste in soils
- Small, steady surface flows of groundwater may convey human waste into the Estero River

Outline: Evidence for Findings

- Historic data from Lee County monitoring
- Estero River “length of river” samples
- Groundwater sampled near river
- Surface stormwater backup, Sherrill Lane, one morning
- Sucralose, genetic sequencing: additional evidence
- Summary of key findings / weight of evidence





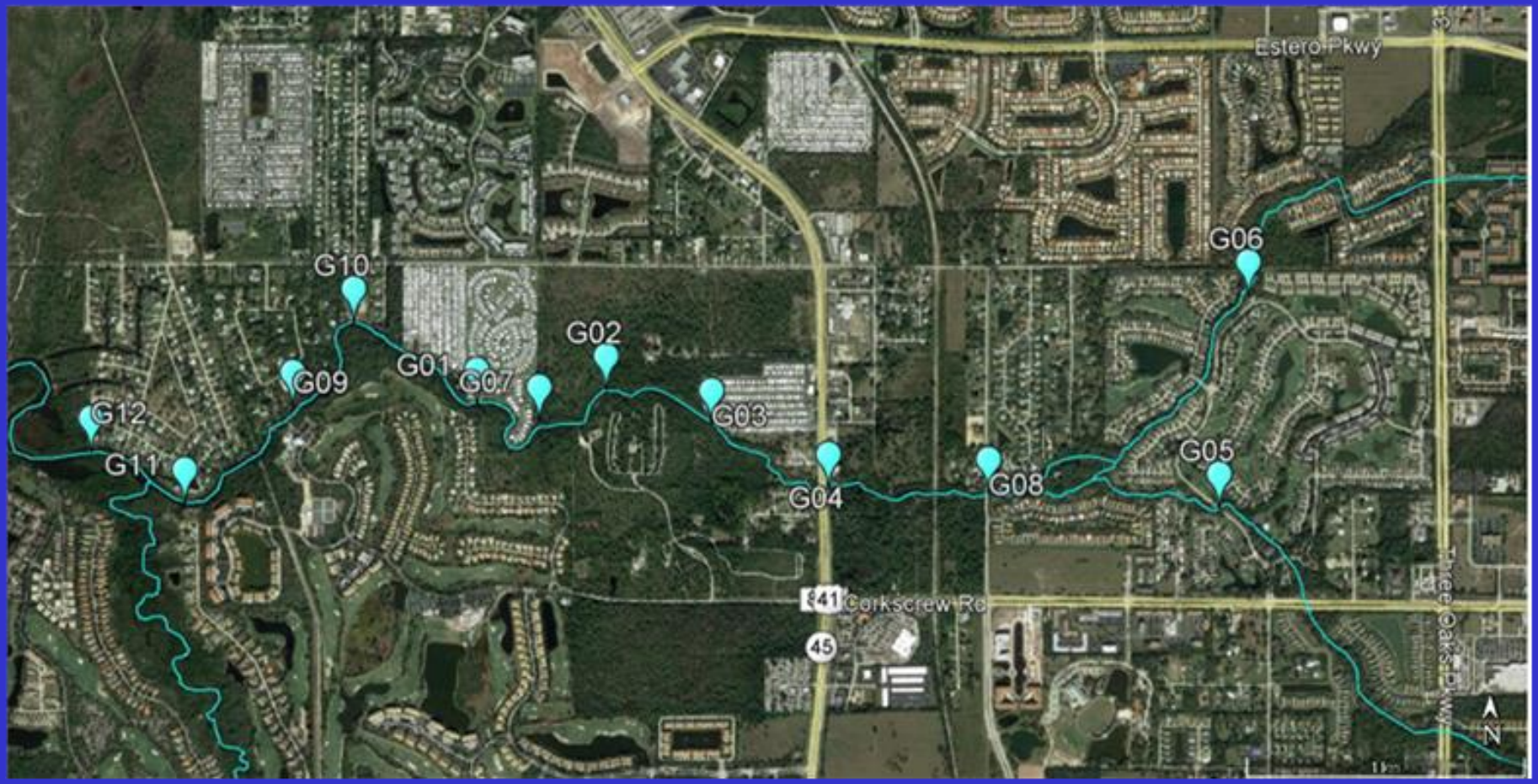
Frequency of high-MPN (high abundance) points: greater downstream than upstream

Enterococcus, Three Oaks (upstream – top)

and Riverwoods (downstream – bottom)

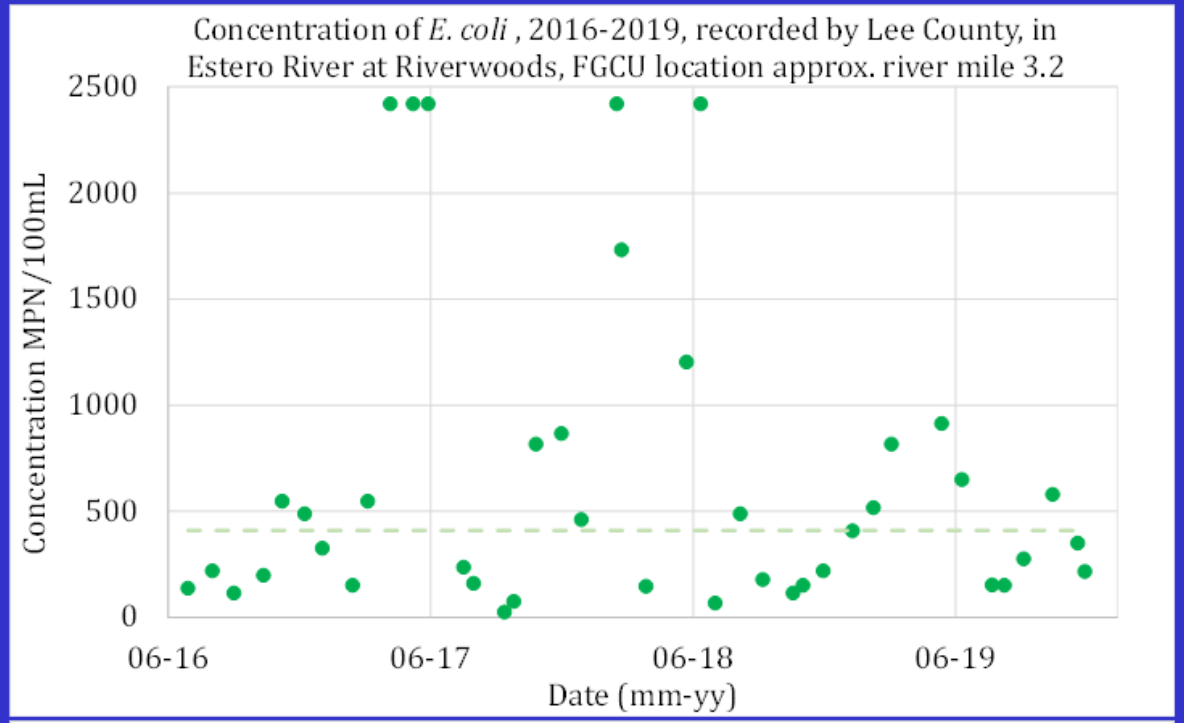
Lee County Natural Resources, March 2015 – January 2020

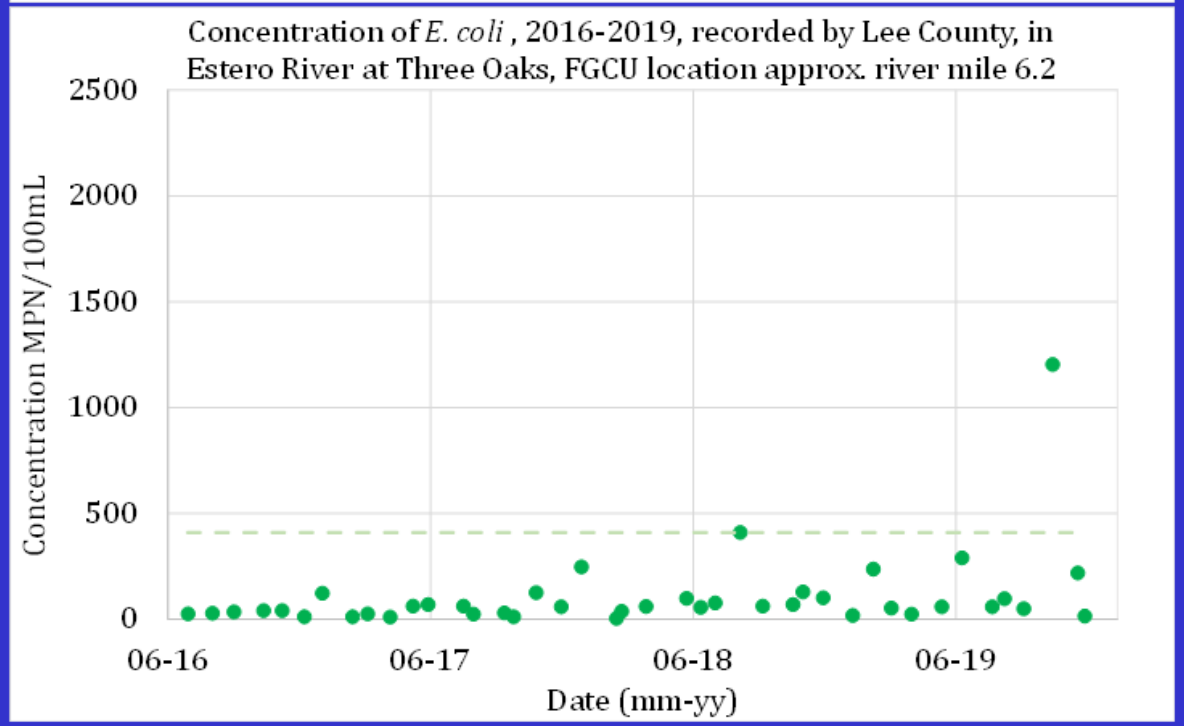
Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 130 MPN/100mL for *Enterococci*



Ten sites on Estero River used for length-of-river sampling

- Lee County “Riverwoods” site is G10
- Lee County “Three Oaks” is upstream (right) of G06





E. coli also greater downstream than upstream

E. coli, Three Oaks (upstream – top) and Riverwoods (downstream – bottom) Lee County Natural Resources, June 2016-January 2020

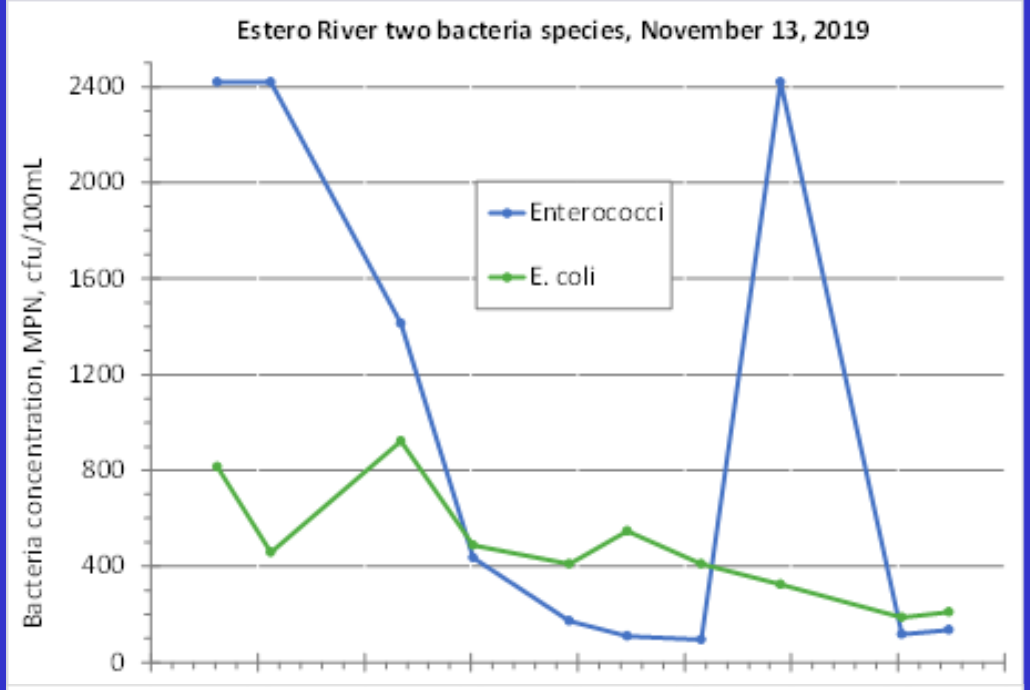
Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples, at 410 MPN/100mL for *E. coli.*

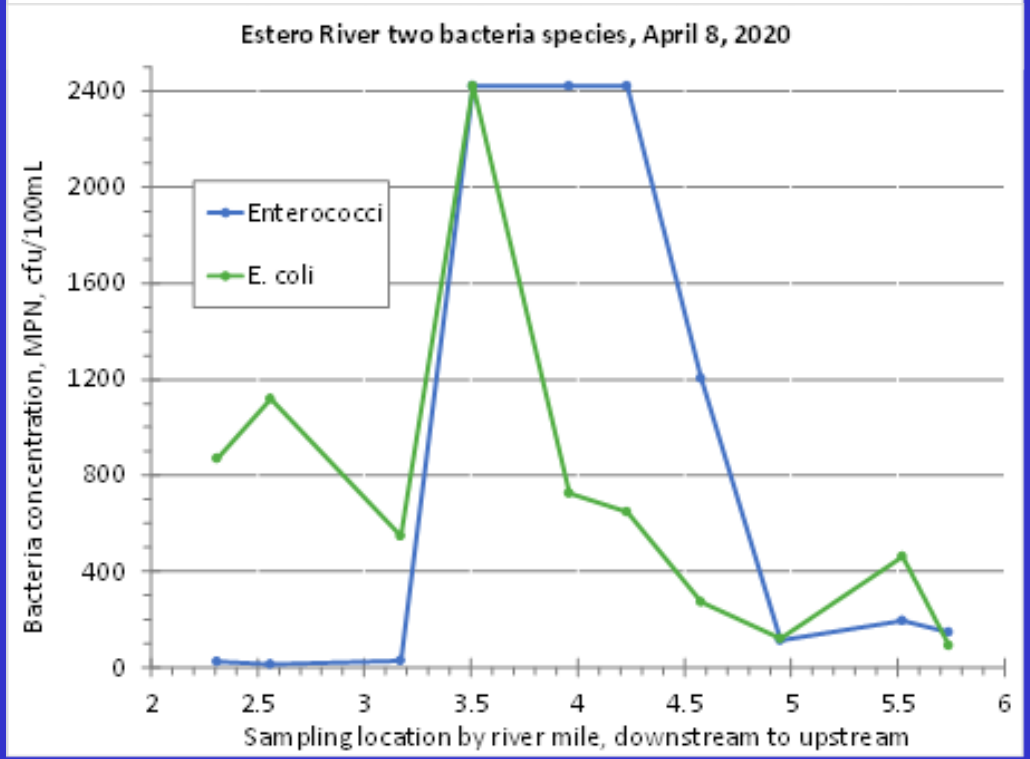
Summary of 5 years historical data, 2 sites

	Enterococci			*E. coli*		
	3 Oaks	**Rt 41**	**Riverwoods**	**3 Oaks**	**Rt 41**	**Riverwoods**
n	58	58	58	42	42	42
Median	40	345	214	59	236	350
TPV = 90th %ile	146	1,203	2,420	238	770	2,420
TPTV	130	130	130	410	410	410
Exceed-ences	8	28	39	2	12	20
>1000 MPN	0	7	15	0	2	8
> 2420 MPN	0	2	9	0	1	6

Lee County Natural Resources, March 2015 – January 2020
TPV: ten percent value, i.e. 90%ile of data at a location
TPTV: ten percent threshold value, regulatory numeric target for ten percent value at a location
TPTV = 130 MPN/100mL for *Enterococci,* 410 MPN/100mL for *E. coli*

Surface water sampling, Estero River

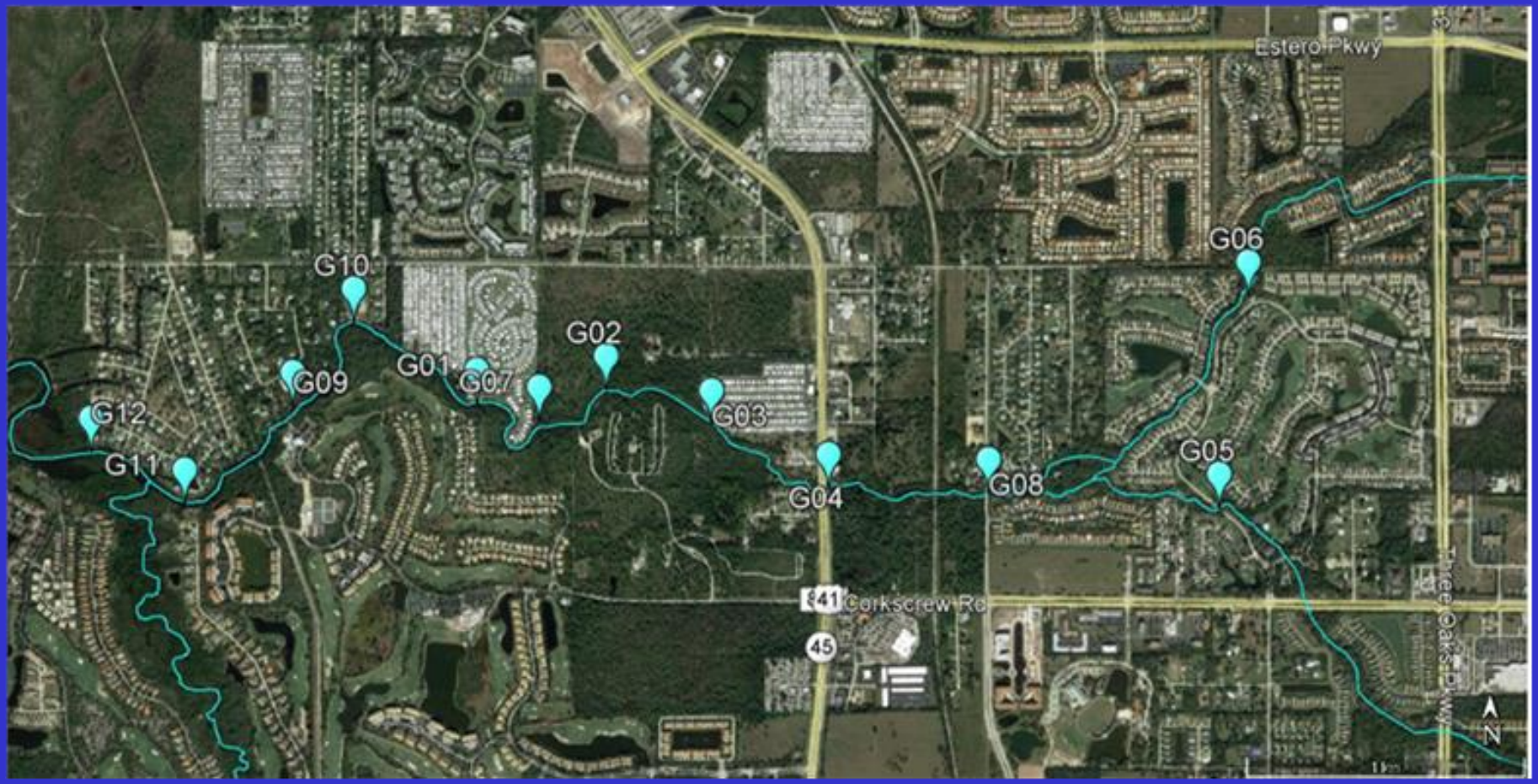




Two dry-season "length of river" sampling days on the Estero River: 11/13/19, 4/8/20

Estero Bay Village is about mile 3.5

Sunny Groves is about mile 4.2



Ten sites on Estero River used for length-of-river sampling

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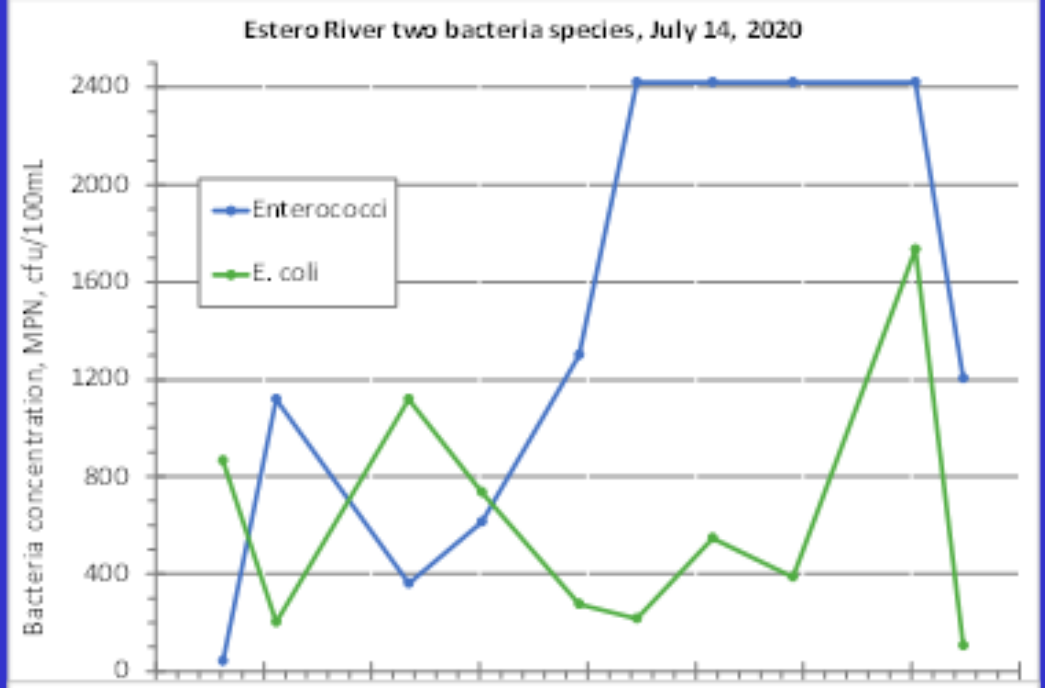
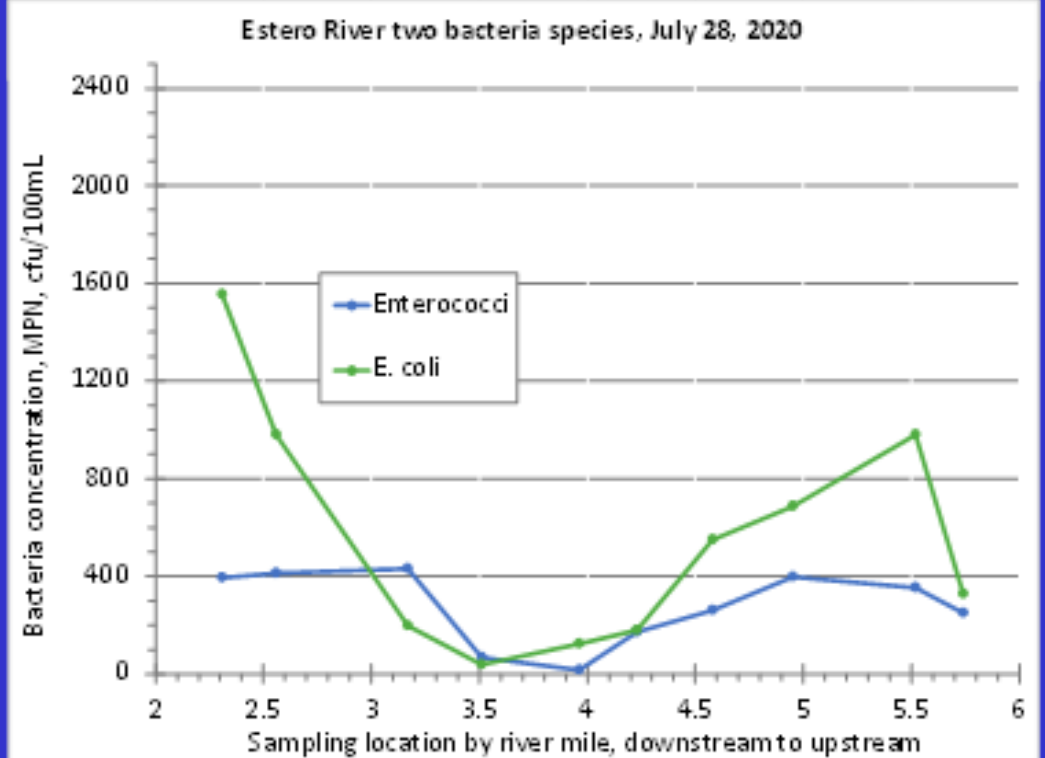




Two wet-season "length of river" sampling days on the Estero River:
7/14/20,
7/28/20

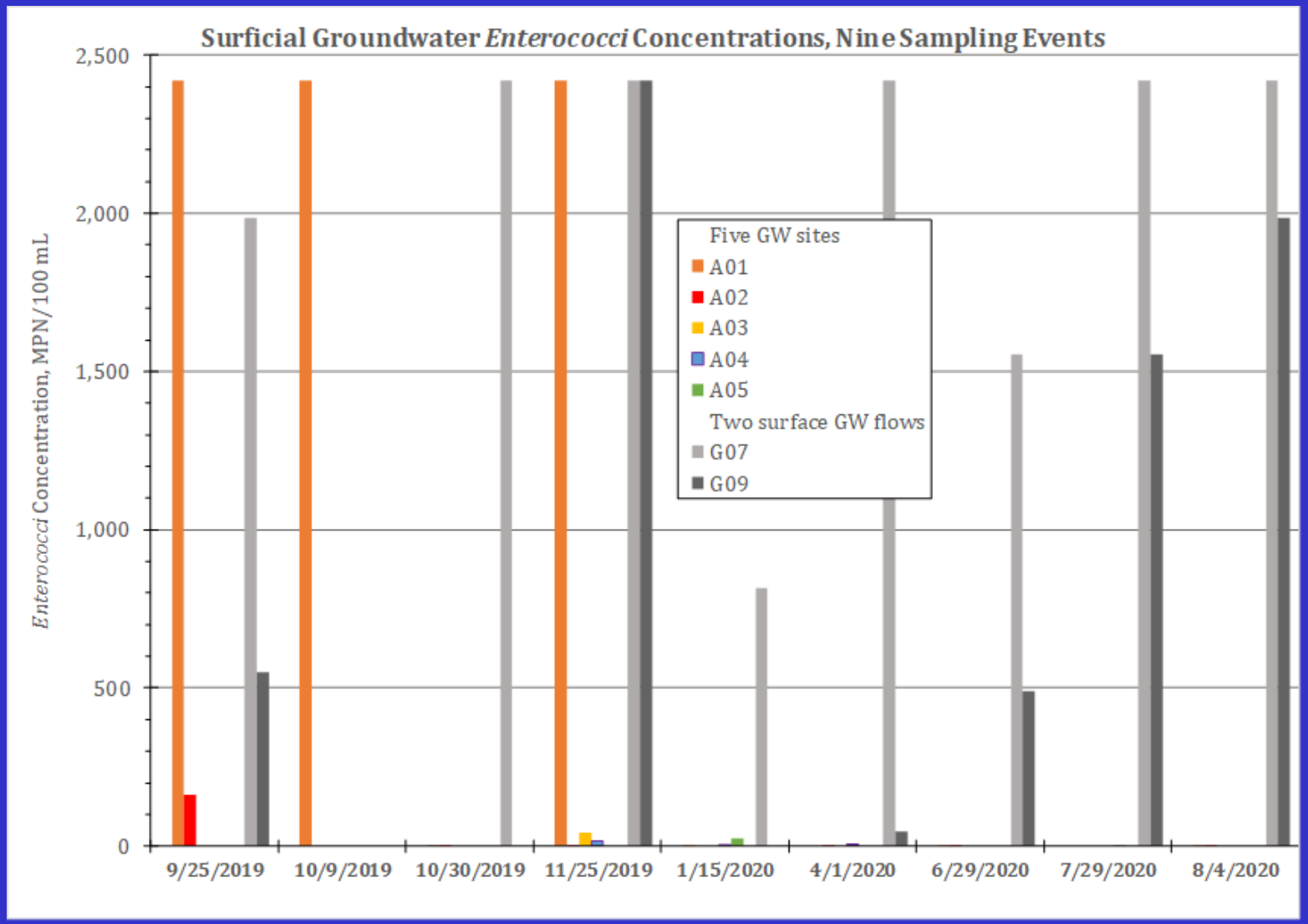
Estero Bay Village is about mile 3.5

Sunny Groves is about mile 4.2

Groundwater sampling near Estero River

Groundwater samples

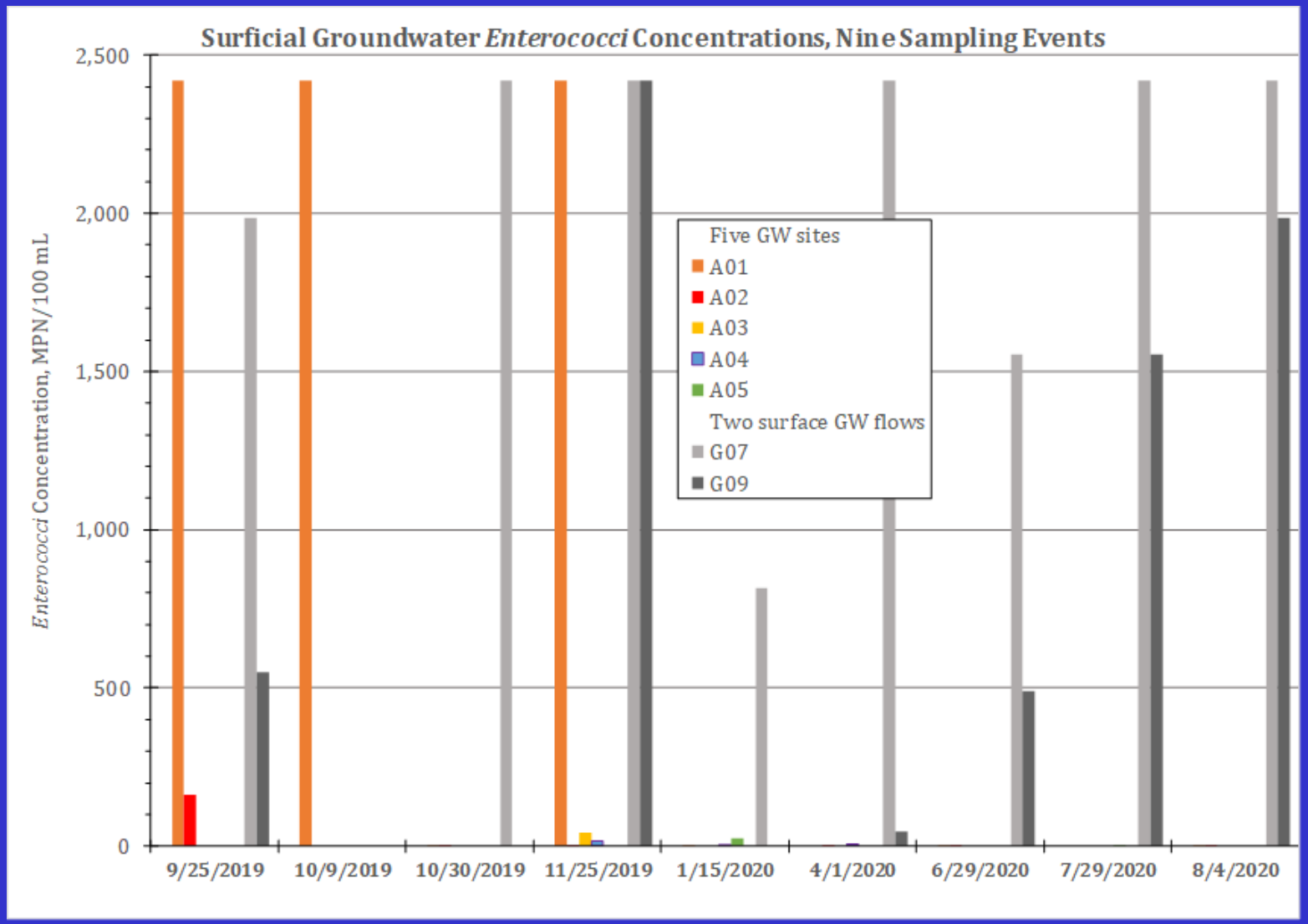
Ground-water at 5 piezo-meters and 2 surface flows



A01 through A05: near-surface groundwater (piezometers) – almost no *Enterococci* except A01 (believed erroneous)

Small surface drainages conveying groundwater – the “ditches”

Ground-water at 5 piezo-meters and 2 surface flows



G07, Estero Bay Village “ditch”; G09, Charing Cross “ditch:” convey groundwater year-round, routinely high *Enterococci*

Sample, stormwater ponding, Sherrill Lane north of Broadway, September 4, 2020: Very high FIB, other factors not surprising

Constituent	Measurement
enterococci	2420 MPN/100 mL
E. coli	2420 MPN/100 mL
Dissolved oxygen concentration	7.33 mg/L
Dissolved oxygen proportion of saturation	93.5%
pH	7.58
Electric conductivity	255 µS/cm
Turbidity	24.1 NTU

Sucralose

- Sucralose is a chemical tracer: originates in the environment almost exclusively with human waste
- Can be measured in ng/L, 10^{-12} (parts per trillion)

Table 10.1. Sucralose concentration, MPN and other environmental factors.

Date	FGCU ID	Sample type	Sucralose (ng/L)	Temp (C)	DO (mg/L)	DO (%)	pH	Electric cond (µS/cm)	Turbidity (NTU)	ORP (mV)	enterococci (MPN/100 ml)	E. coli (MPN/100 ml)	Ratio (ent/ecoli)	TIN (ug-N/L)	NH4+ (ug-N/L)	NOx (ug-N/L)	SRP (ug-P/L)
8/19/2019	G04	Surface	285.56	29.2	3.5	45.1	7.5	430	2.7	491.7	96	75	1.28	197	138	60	16
9/18/2019	G04	Surface	358.83	29.3	3.2	42.2	7.5	626	2.9	442.8	1986	411	4.83	224	75	149	11
8/19/2019	G07	Ditch	17418.41	28.3	2.1	26.5	7.3	454	2.3	81.3	78	172	0.45	1270	1257	13	22
10/30/2019	G07	Ditch	35568.04	26.2	2.1	25.8	7.1	532	1.1	163.7	2420	2420	1	1018	512	506	1690
11/25/2019	G07	Ditch	42710.33	22.0	4.9	55.0	7.8	495	0.0	495.0	2420	236	10.26	517	104	413	1711
1/15/2020	G07	Ditch	36647.11	24.1	4.8	51.7	7.7	449	1.0	313.7	816	45	18.14	2117	950	1167	1989
9/25/2019	A01	Groundwater	0	28.1	1.8	23.4	6.3	652	45.1	-71.1	2420	0	2420	5206	5157	49	1773
9/25/2019	A02	Groundwater	17310.35	27.5	4.2	52.4	6.9	535	3.6	-22.7	164	0	164	890	852	38	1511
9/25/2019	A03	Groundwater	20287.92	27.2	2.2	27.1	6.8	517	6.0	-92.4	0	7	0.14	1164	1120	44	1589
10/30/2019	A01	Groundwater	0	27.8	3.4	42.0	6.4	6	2.7	30.6	2	0	2	4517	3823	694	932
10/30/2019	A02	Groundwater	22310.33	27.6	2.4	30.2	6.9	680	1.0	78.9	2	1	2	579	486	93	1387
10/30/2019	A03	Groundwater	19675.39	28.9	2.7	34.3	7.0	446	14.0	21.4	0	0	0	1705	1545	161	1678
11/25/2019	A01	Groundwater	0	24.2	3.3	38.4	7.0	434	5.6	169.3	2420	0	2419.6	3179	2745	434	143
11/25/2019	A02	Groundwater	32891.69	28.7	4.3	49.0	7.2	585		-48.4	4	0	4.1	1710	225	1484	1272
11/25/2019	A03	Groundwater	27708.41	25.1	2.2	26.0	7.1	542	10.3	-20.5	42	0	42.2	2951	2211	740	1885
11/25/2019	A04	Groundwater	940.87	21.1	3.9	45.4	7.1	3517	6.2	-97.8	17	112	0.15	620	313	308	117
11/25/2019	A05	Groundwater	953.16	23.0	3.4	40.3	7.0	6502	4.7		0	1	0	2083	668	1415	52
1/15/2020	A01	Groundwater	0	23.9	3.7	43.1	6.6	443	2.2	51.7	2	0	2	1614	356	1258	2013
1/15/2020	A02	Groundwater	31287.88	22.4	2.2	25.8	7.0	445	2.2	-114.4	0	1	0	387	303	84	1991
1/15/2020	A03	Groundwater	30540.15	24.7	1.6	19.3	6.9	560	10.0	-105.0	0	0	0	3332	2214	1118	1780
1/15/2020	A04	Groundwater	2568.72	21.7	3.9	43.2	7.0	874	3.7	29.3	2	0	2	647	84	564	109
1/15/2020	A05	Groundwater	649.48	25.1	3.0	31.2	6.9	7592	1.5	-198.4	25	0	24.9	1579	552	1027	164

Sucralose

- High concentration in A02 and A03: Estero Bay Village About 15 - 35 μg/L, or 15 - 35 x 10^{-9}, parts per billion
- Expected to be high in groundwater near human use
- Not present at A01, A04, or A05 in soils (35 – 45 ng/L, i.e. 35 x 10^{-12}) – little human waste in those locations
- Tested 'ditch' at G07 also: surprised to find high concentrations (35 – 45 μg/L)
- Unusual in surface water – evidence that flow in the 'ditches' is mostly groundwater recently reaching surface

DNA sequencing

- A biological tracer: Compare DNA in samples to a database, and identify the species of microbes present in samples of Estero River water
- Captures only those species of microbes present in sufficiently high numbers to be detected in the lab – i.e. presence means something; absence means nothing
- Species of microbes in some cases might correspond to the gut biomes of some species of warm-blooded animals
- When certain species of microbes are present, it might suggest a higher than random probability that waste from certain warm-blooded animals are present

DNA sequencing: Species of microbes that the literature identifies as "markers" that were present in Estero River samples, 2019-2020

Specific genetic marker	Source
Bacteroides barnesiae	Chickens, other birds
Bacteroides fragilis	Human
Bacteroides intestinalis	Human
Bacteroides massiliensis	Human
Bacteroides sp.	Human, mammal, bird
Barnesiella sp.	Human
Dysgonomonas gadei	Human
Dysgonomonas sp.	Animal
Dysgonomonas termitidis	Termites, other insects
Paludibacter sp.	Human, cattle, other mammals
Parabacteroides chinchillae	Rodents, esp. chinchilla (*Chinchilla lanigera*)
Prevotella sp.	Human
Alistipes sp.	Human
Rikenella sp.	Chicken, Japanese quail, other birds

DNA sequencing

- Human waste is present in Estero River
- Waste from other species is present in Estero River – birds, rodents, other mammals

Key findings

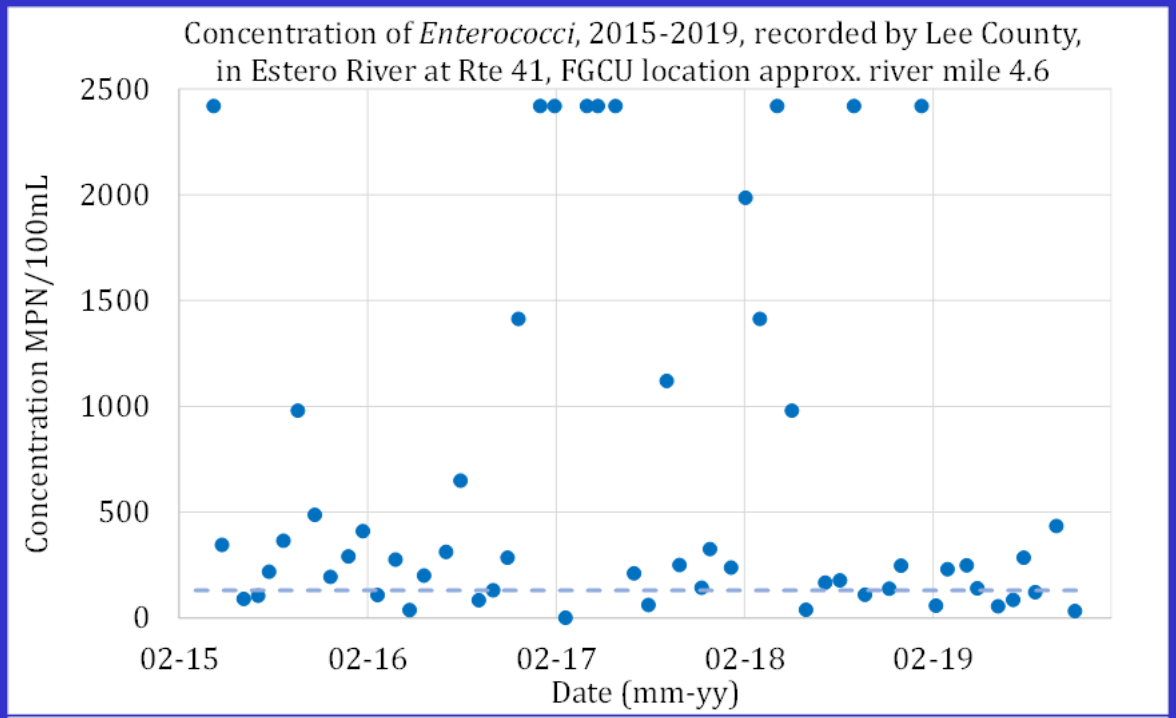
- High FIB numbers in upstream locations are evidence that human activities produce and/or enhance sources
- High FIB variability, temporally and spatially, confirms sources are episodic, short-term, varied in action/inputs: in aggregate, sources are substantial
- Variability within and between sampling events, affected by many factors, masks specific sources
- Frequency of high-FIB events, with presence of sucralose and microbe species found in humans, confirms presence of human waste AND other sources
- Groundwater does not appear to convey waste in soils
- Small, steady surface flows of groundwater may convey human waste into the Estero River

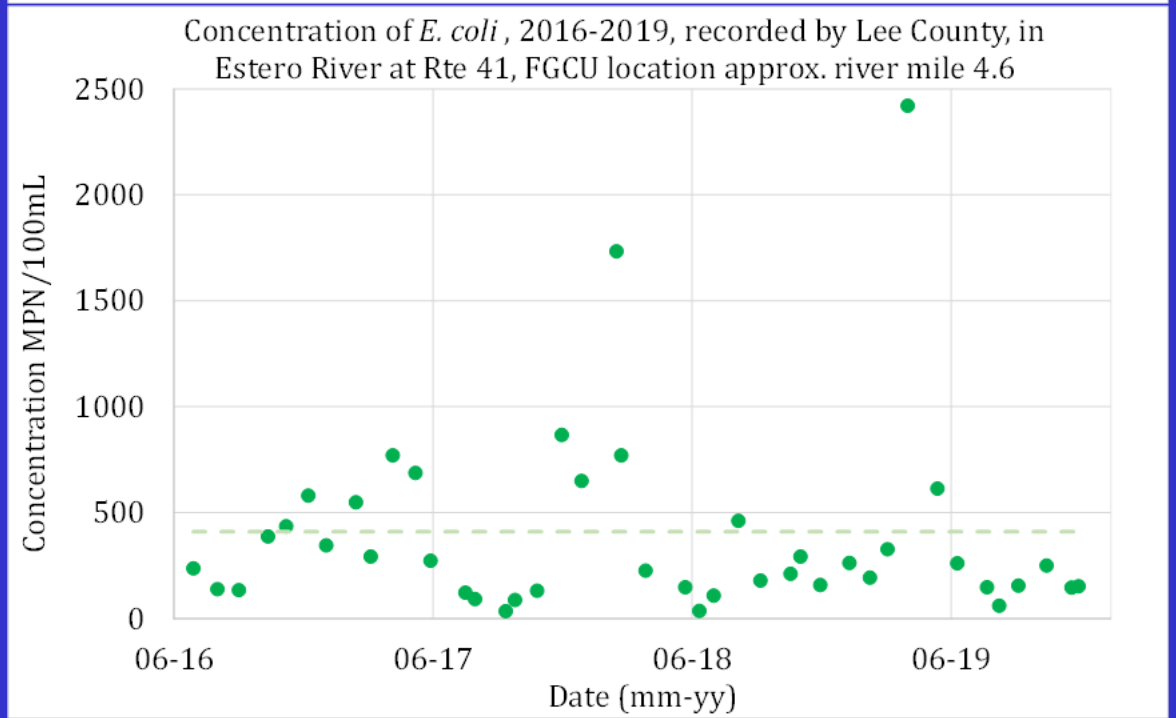
Key findings: advances in knowledge

- High variability masks sources: not able to pinpoint without intensive studies. Typical in US waters, perhaps more so in S FL tidal waters
- Seasonal variability (wet-weather vs dry-weather) is not so powerful as to be visible among other factors: tides, source variability, precipitation/mobilization, human activities, animal activities, sediment disturbances, etc.
- Variation affected by factors not discernible here: tides, precipitation patterns, lawn activities, sediment disturbances – including very small scale
- Presence of FIB in some soils and in riverbed sediments suggests sediments may be proximate sources for some sampling events, so may confound ability to identify originating sources
- The two regulatory FIB (*Enterococcus, E. coli*) do not track one another – need to monitor both to verify condition of Estero River

Questions

Additional slides follow – in case of questions





Intermediate location:

Estero River

at Rt 41 bridge

Enterococci (top) and *E. coli* (bottom)

Lee County Natural Resources, June 2016-January 2020

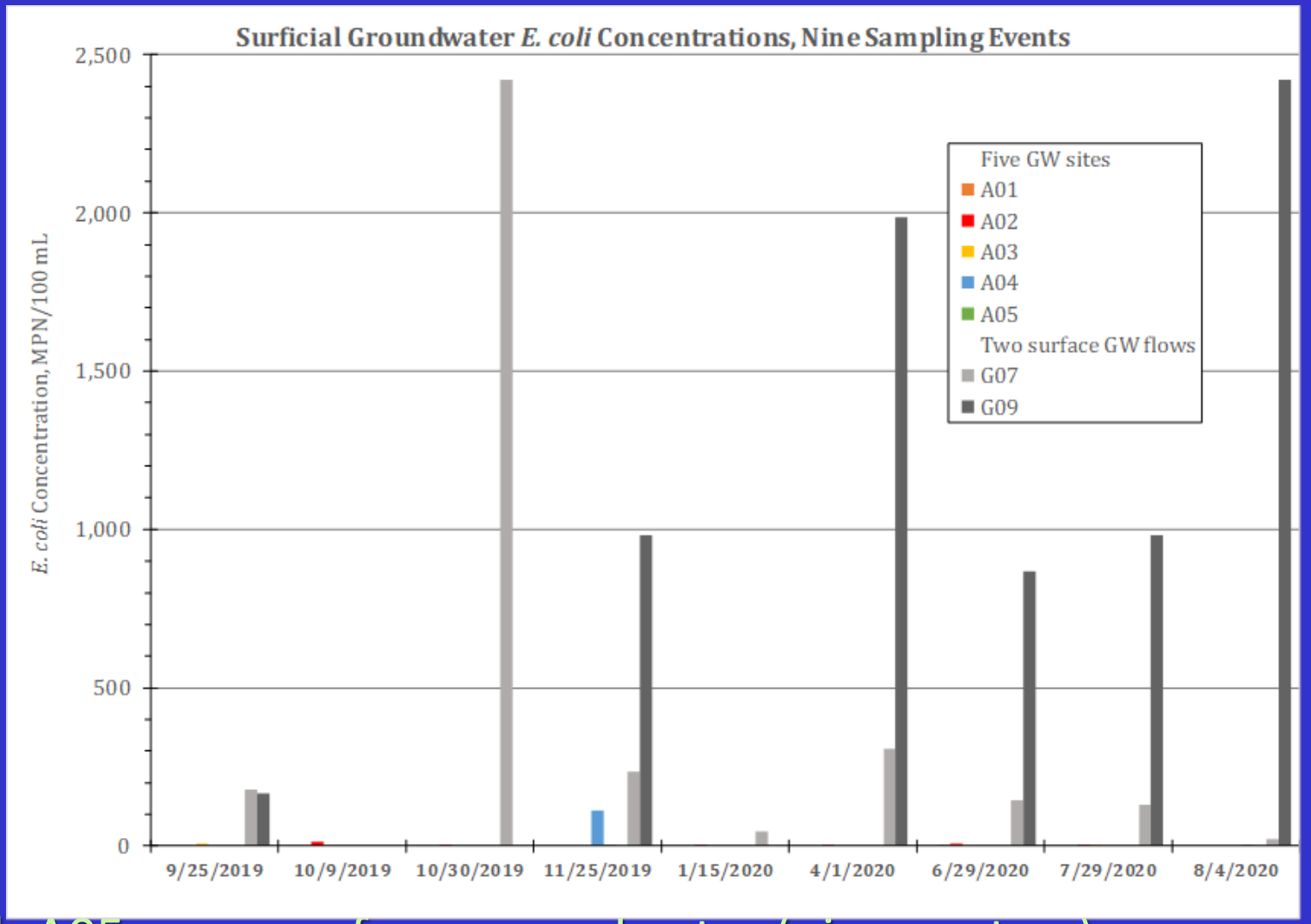
Dashed line is TPTV, "ten percent threshold value," numeric target not to be exceeded by more than 10% of samples,

130 MPN/100mL *Enterococcus* and 410 MPN/100mL *E. coli*

Site name	River mile	FGCU unique identifier
Armada Ct below canal	2.31	G12
Estero Ct above tributary	2.56	G11
At boat launch near Broadway (Lee County 47A-4GR)	3.17	G10
Below Tahiti	3.51	G01
At Koreshan boat launch	3.96	G02
At Sunny Grove	4.23	G03
Below Rt 41 bridge (Lee County 47A-15GR)	4.58	G04
At Sandy Lane bridge	4.95	G08
S Branch – Country Ck Dr bridge	5.52	G05
N Branch – Country Ck nr Candlewood Hollow	5.74	G06

Site name	River mile	FGCU unique identifier
Estero Bay Village near retaining wall	3.70	A01
Estero Bay Village near “ditch”	3.78	A02
Estero Bay Village near lagoon	3.70	A03
Koreshan near boat launch	3.96	A04
Charing Cross	2.90	A05
Estero Bay Village “ditch”	3.78	G07
Charing Cross “ditch”	2.90	G09

Ground-water at 5 piezo-meters and 2 surface flows



A01 through A05: near-surface groundwater (piezometers) – almost no *E. coli*

G07, Estero Bay Village "ditch", and G09, Charing Cross "ditch:" convey groundwater year-round, routinely high in *E. coli*

1. Data support numerous previous researchers in documenting decoupled variation between different species of FIB: *E.coli* and *Enterococci* varied in ways that did not correspond to one another in nearly all samples. This finding supports the conventional wisdom that no one species is an ideal indicator of potential presence of bacteria originating with human waste. Our data suggested that both bacterial species had multiple sources, which likely vary both temporally and spatially. As both FIB species are present to varying extent in humans and in other organisms, and any group of humans or other species will have both of these, and other organisms, present in their wastes in ways that vary between individuals, and between groups, over time both within the digestive track and in environmental systems affected by the wastes of warm-blooded species.

2. Data on FIB in the waters of the Estero River varied spatially and temporally. In almost no cases – wet or dry seasons, or in any run-of-the-river sample – was the MPN either high (above 1000 MPN/mL) or low (below 200 MPN/mL) in all locations sampled. The data thus show that spatial variability within the stream at a given time is greater than variability between times. That finding indicates that high MPN counts can be triggered by highly local and short-term events, and it is not clear if those events endure for hours, days, or weeks or whether they may have dissipated within hours after the sample was collected.

3. FIB concentration variability due to tidal mixing and transport is believed to be powerful, but known to be highly complex in a southwest Florida water such as Estero River with low freshwater flow that experiences semi-diurnal tides (two tides daily, on most days) of variable timing and magnitude. Two wet weather samples, and one dry weather sample, appear to show higher concentrations in the downstream portion (approximately river miles 2 through 3) where we would expect tidal action to produce conditions of resuspension of deposited sediment, or of tides 'piling up' freshwater discharges in a way that might concentrate suspended sediments, or both. That portion of the river was sampled only three times during wet weather and twice during dry weather. The results suggest that one or the other of those mechanisms, or both, might contribute to high FIB concentration under some conditions but not all. It is not possible to attribute those results to either high or low tide, or incoming or outgoing tide, because tidal conditions changed over the course of every 4-hour sampling event. Future research might further investigate that mechanism.

Key findings

1. Routinely low FIB concentration in the upstream portion of the watershed strongly suggests there is little or no source from wild warm-blooded non-human animals in that undeveloped area. Increased (though highly variable) FIB concentration as the Estero River moves downstream through residential land uses indicates that either human activities, or animals coexisting with human activities, are the sources of FIB in the waterbody. As a point of comparison, data from two waterbodies studied by FGCU during this same time period in a nearby municipality (Spring Creek, Imperial River) showed that FIB concentrations were higher, though moderate, under most conditions in the upstream portions of the watershed, which have substantially higher development density than the Estero River reaches above river mile 6. Those two other waterbodies showed routinely increasing FIB concentrations as the streams moved downstream through developed residential areas. Those observations together with the Estero River data strongly suggest that dense residential land use corresponds to areas where bacteria enter the river.
2. The effect of several suspected source activities (small wastewater treatment facilities, septic systems, residential lawns used by pets extending directly to river's edge, and others) could not be reliably differentiated from other land uses, as there were no locations where persistent high concentrations were co-located with any of the suspected sources. The findings are consistent with all those sources, and more, contributing to the periodically very-high FIB concentrations on the Estero River.
3. It was expected that FIB concentration patterns would be different between wet-weather and dry-weather seasons. Instead, concentration patterns varied substantially among sampling events in each season, and no discernible pattern shows more variability between seasons than within seasons. The high variability of FIB concentration in the environment, and the high variability of source activities, outweighs any differences that may be produced by high or low in-stream flow diluting discrete discharges, or source-mobilizing action of precipitation events, in the samples collected for this study. Those effects may be present, but they do not influence the concentration at a given site or a given time to a discernible extent.

Key findings

1. Although tested numbers of samples were small, our data showed river bed sediment, river bank soil, ditch water and road standing water harboured a large numbers of FIB and demonstrated that these could be potential sources of FIB input to the Estero River. Those sediments are not believed to be the point of origin of those FIB – they receive FIB from biological sources such as fecal matter originating with human wastewater or other warm-blooded animals – but short-term disturbance of river sediments, riverbank soils, or soil from the watershed mobilized by heavy precipitation – can theoretically trigger local and temporal high FIB events, and could be the proximal source of FIB measured in any one water sample.
2. Groundwater, in the areas studied, does not appear to convey large quantities of FIB to the Estero River, even though it does receive some human wastewater. That human wastewater appears to have any FIB satisfactorily attenuated by biological and physical activity in the soils before it reaches the river, and it is not likely that direct groundwater flows into the river are a major source of high MPN counts of FIB.
3. However, surface flows of discharging groundwater that has "short-circuit" the preferred underground path do appear to convey FIB to the Estero River. Surface flows in the "ditches" does not receive the same attenuation as groundwater; rather, the soil beneath the ditches appears to provide a stable environment for FIB, so that flowing water can re-suspend FIB and convey them to the river. It is not clear how large these contributions may be, or how many neighborhoods are drained by this kind of small surface discharge, but it could potentially be a significant source of FIB to the Estero River.

Image of a field sheet

WORKSHOP ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
April 7, 2021

Agenda Item:

Cypress Bend RV Resort Wastewater Treatment Plant

Description:

The Cypress Bend RV Resort uses an onsite package waste water treatment plant for waste water treatment and disposal. Unlike the other package waste water treatment plants in Estero, Cypress Bend is not located along the Estero River. As a result, the FGCU study does not directly relate to the Cypress Bend Community.

In an effort to understand how the Cypress Bend package waste water treatment plant functions, The Village of Estero hired a consultant to obtain two water samples within the adjacent community (The Cascades) and analyze both for nutrients and bacteria.

The results of those samples will be reviewed.

Financial Impact:

There is no direct financial impact associated with this presentation. However, future decisions by Village Council regarding package waste water treatment plants could have financial impacts.

Attachments:

1. Cascades Sample Location Map
2. Results

Cascade Sample Locations

Cascades West

Cascades East

Estero Pkwy

Cascades

Broadway E

Google Earth

©2021 Google

1000 ft

N

Location	Date	Analyte	Results	Minimum Detection Limit	Units
Cascades West	2/25/2021	Ammonia	0.464	0.014	mg/L as N
Cascades East	2/25/2021	Ammonia	0.014	0.014	mg/L as N
Cascades West	2/25/2021	E.coli Enumeration	6	1	MPN/100mL
Cascades East	2/25/2021	E.coli Enumeration	7	1	MPN/100mL
Cascades West	2/25/2021	Enterococci	6	1	MPN/100mL
Cascades East	2/25/2021	Enterococci	2	1	MPN/100mL
Cascades West	2/25/2021	Nitrate + Nitrite	0.029	0.01	mg/L as N
Cascades East	2/25/2021	Nitrate + Nitrite	0.012	0.01	mg/L as N
Cascades West	2/25/2021	Nitrogen, Kjeldahl, Total	3.5	0.05	mg/L as N
Cascades East	2/25/2021	Nitrogen, Kjeldahl, Total	0.67	0.05	mg/L as N
Cascades West	2/25/2021	Nitrogen, Total	3.5	0.05	mg/L as N
Cascades East	2/25/2021	Nitrogen, Total	0.68	0.05	mg/L as N
Cascades West	2/25/2021	Phosphorus, Total	0.45	0.006	mg/L as P
Cascades East	2/25/2021	Phosphorus, Total	0.027	0.006	mg/L as P