



TOWN OF LOXAHATCHEE GROVES

TOWN COUNCIL MEETING AGENDA

TUESDAY, JANUARY 29, 2019 @ 7:00 P.M.

ADDENDUM #2:

Item 3.c. Add: Geoffrey B. Sluggett & Associates – Prioritized Outside Appropriations & Legislative Requests (2018-2019) – Matching Funds,

Mayor David Browning (Seat 4)

Vice Mayor Todd McLendon (Seat 2)

Council Member Dave DeMarois (Seat 5)

Council Member Phillis Maniglia (Seat 1)

Council Member Anita Kane (Seat 3)



GOVERNMENT RELATIONS • PUBLIC POLICY AND STRATEGIC PLANNING • REGULATORY MONITORING AND ACTION • LAND USE AND ZONING

Honorable Councilmembers
Town of Loxahatchee Groves
150 F Road
Loxahatchee Groves, FL 33470

January 29, 2019

Ref: Prioritized Outside Appropriations & Legislative Requests
(2018-2019) – Matching Funds, Discussion & Direction

Town of Loxahatchee Groves Top Five Priorities

Summary: At the 1/15/19 meeting, Council prioritized the following projects for Outside Appropriations & Legislative Requests:

- **North B Road Improvements**
- **South D Road Improvements** (“as a backup”)
- **Trails Grant Applications** - Council requested follow up to obtain the previously submitted application for use in grant application submittals identified, that are due the end of January, 2019, the beginning of February, 2019 and March 1, 2019.
- **Signalization of Horse Crossings at Okeechobee Boulevard at F and B Roads**
- **Pilot Project for Water Resiliency Planning**

Recommendation:

Request Council to Approve:

- 1) Geoffrey B. Sluggett & Associates (and collaborative partners, i.e., Land Research Management Inc., Jim Fleishman) to continue to seek and apply for Outside Appropriations & Legislative Requests as best suited for the Town (including grants). One example is a Palm Beach County Transportation Planning Agency minimum project level for multi-use trails with applications due 3/1/19.
- 2) Forward applications & same information to governmental agencies as needed for approvals (Legislative Sponsors & Forms, PBC Commissioner, PBC & State Agencies, etc.)
- 3) Matching Funds for EACH of the Four Priority Projects listed on the following pages and to Defer Action on the Water Resiliency Project until further design can be done (Matching Fund Options are listed*).

NOTE: Potential Matching Fund Options* were provided by Town Manager, Bill Underwood at 1/23/19 meeting- Exhibit "A" and **each option that follows will also need Council's approval.*

Request Approval of Matching Funds for:

Transportation and Infrastructure (Roads and Drainage)

- North B Road Improvements

Total costs w/ Contingency (Exhibit "B")	\$ 3,493,340.00
Requested Matching Funds (50% share)	<u>1,746,670.00</u>

Possible Matching Fund Options*:

a) CIP Fund, Community Improvements, Road and Streets- New Construction (acct #56130)	\$ <u>3,800,000.00</u>
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b) Transportation Fund, Revenues,
(acct #34100) – 1st Local Option
Fuel Tax (6c) (\$ 283,126)

AND/OR

(acct #34200) – 2 nd Local Option Fuel Tax (5c) (\$ 130,536) totals:	\$ <u>413,662.00</u>
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c) Local Option Sales Tax Infrastructure Fund (<u>LOST</u>), Revenues (acct #31260)	\$ <u>255,718.00</u>
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d) Other Options Include:

- (1) General Fund
- (2) Transportation Fund
- (3) 50-50 Split Program IF Referendum
Passes

NOTE: Potential Matching Fund Options* provided by Town Mgr. B. Underwood @ 1/23/19 meeting- Exhibit "A"; each option will need Council's approval.

Request Approval of Matching Funds for:

Transportation and Infrastructure (Roads and Drainage)

- South D Road Improvements

Total costs w/ Contingency (Exhibit "B")	\$ 1,486,177.50
Requested Matching Funds (50% share)	<u>743,088.75</u>

Possible Matching Fund Options*

LESS amounts approved on North B Road above:

a) CIP Fund, Community Improvements, Road and Streets- New Construction (acct #56130)	\$ <u>3,800,000.00</u>
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b) Transportation Fund, Revenues, (acct #34100) – 1 st Local Option Fuel Tax (6c) (\$ 283,126)	
<u>AND/OR</u>	
(acct #34200) – 2 nd Local Option Fuel Tax (5c) (\$ 130,536) totals:	\$ <u>413,662.00</u>

c) <u>Local Option Sales Tax</u> Infrastructure Fund (<u>LOST</u>), Revenues (acct #31260)	\$ <u>255,718.00</u>
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d) CIP Fund Surveying Town Roads Other Options Include:	\$ <u>70,000.00</u>
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- (1) General Fund
- (2) Transportation Fund
- (3) 50-50 Split Program IF Referendum Passes

NOTE: Potential Matching Fund Options* provided by Town Mgr. B. Underwood @ 1/23/19 meeting- Exhibit "A"; each option will need Council's approval.

Request Approval of Appropriation Requests & Matching Funds:

Equestrian/Multi-Use Trails

Recommend appropriation requests for the **North Road Equestrian Trail Improvements** be submitted because Town has Construction Plans completed (11/20/17) and Dedicated Funds for North trails available (\$20,000.00).

- North Road Equestrian Trail Improvements

Total Construction Costs (Exhibit "C")	\$ 95,000.00
Requested Matching Funds (50% share)	<u>47,500.00</u>

Possible Matching Fund Options* LESS amounts approved on North B & South D Roads above:

a) CIP Fund, Trails, (acct # 56500) (Designated for Equestrian Trails on North Road only)	\$ <u>20,000.00</u>
b) CIP Fund Surveying Town Roads	\$ <u>70,000.00</u>

Grant application information (Exhibit "D") was ONLY provided to this writer on 1/23/19 at 2:26 PM via public records at NO COST to the TOWN (a Savings of between \$10K-\$25/35K); this info was immediately forwarded to Jim Fleishman to begin review of the same for all available grants.

NOTE: Potential Matching Fund Options* provided by Town Mgr. B. Underwood @ 1/23/19 meeting- Exhibit "A"; each option will need Council's approval.

Request Approval of Matching Funds for:
Equestrian/Multi-Use Trails

***- Signalization of Horse Crossings at Okeechobee
Boulevard at F and B Roads*** (Costs attached Exhibit "D")

Total costs	\$	54,492.00
Requested Matching Funds (50% share)		<u>27,246.00</u>

Possible Matching Fund Options* LESS amounts approved on
North B & South D Roads, and North Equestrian Trail above:

a) CIP Fund Surveying Town Roads	\$	<u>70,000.00</u>
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b) General Fund – transfer amount
not pledged from other projects/accounts

***NOTE: Potential Matching Fund Options* provided by Town Mgr. B.
Underwood @ 1/23/19 meeting- Exhibit "A"; each option will need
Council's approval.***

Request Approval:

Pilot Project for Water Resiliency Planning – We are recommending deferring this project from the legislative appropriation request process this year until further conceptual review and design can be accomplished. There may be other avenues for appropriations on this project throughout the year and this item will be brought back to Council at that time.

Information for all of the above projects has been modified per Council input, and has been provided by the:

- Town's Engineers Keshavarz & Associates, Randy Wertepny, & Simmons & White, Inc., Patricia Barr,
- Town's Planning Consultant, Jim Fleishman,
- Town Manager, Bill Underwood, and
- Town's Government Affairs Consultant, Geoffrey B. Sluggett & Associates, Mary McNicholas

Submitted by:



Mary McNicholas

Geoffrey B. Sluggett & Associates

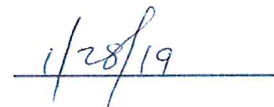


EXHIBIT "A"

FINANCIAL DOCUMENTS PROVIDED BY TOWN MANAGER

GF ^{\$200 Balance} 800K (Pmts not reflected)
ID 250K → None
 LOST 300K - Available
 CIP 500K (canceling ^{Drainage} WBI)
 Trans 700K -

= 200
 = 200
 - 200
 WBI -
 \$100K - Brad



Town of Loxahatchee Groves, Florida

Appropriations

Fiscal Year 2018-2019

General Fund

Non-departmental

90 Acct#	Acct Title - Description	FY 16	FY 17	Curr. Bgt	May YTD	Manager	Preliminary	Adopted
59990	Contingency Available for unspecified expenses	\$0	\$1,286	\$0	\$0.00	\$0	\$0	\$0
	Subtotal Operating Expense	\$0	\$1,286	\$0	\$0.00	\$0	\$0	\$0
56140	Land Acquisition	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
56200	Buildings	\$10,145	\$0	\$0	\$0.00	\$0	\$0	\$0
	Subtotal Capital Outlay	\$10,145	\$0	\$0	\$0.00	\$0	\$0	\$0
58100	Aids to Government Agency	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
58220	Loxahatchee Groves CERT Used to account for expenditure reimbursements to C.E.R.T. Annual contribution	\$37	\$2,000	\$2,000	\$561.00	\$2,000	\$2,000	\$2,000
	Subtotal Grants & Aids	\$37	\$2,000	\$2,000	\$561.00	\$2,000	\$2,000	\$2,000
59001	Transfer to Fund Balance Used to reflect a plan to account for money being placed in fund balance. Rebuild unassigned fund balance to policy range of 25% to 30% of current operating expense including transfers to other funds which would require about \$567,000.	\$0	\$0	\$0	\$0.00	\$306,646	\$309,874	\$317,179
59101	Transfer to Transportation Fund	\$57,099	\$10,570	\$0	\$0.00	\$0	\$0	\$0
59305	Transfer to Capital Projects	\$311,664	\$0	\$0	\$0.00	\$0	\$0	\$0
59405	Transfer to Solid Waste Fund	\$94,497	\$120,302	\$100,165	\$0.00	\$0	\$0	\$0
	Subtotal Non-Operating	\$463,260	\$130,872	\$100,165	\$0.00	\$306,646	\$309,874	\$317,179
Non-departmental	Department Total	\$473,442	\$134,158	\$102,165	\$561.00	\$308,646	\$311,874	\$319,179

\$ 1,662,250.44
 \$ 1,681,042.00
 < 21,208,000 >



Town of Loxahatchee Groves, Florida

Appropriations

Fiscal Year 2018-2019

Transportation Fund

Roads and Streets

40 Acct#	Acct Title	FY 16	FY 17	Curr. Bgt	May YTD	Manager	Preliminary	Adopted
	- Description							
54670	Traffic Control Signs Used in debt service	\$7,998	\$10,000	\$14,000	\$4,197.60	\$0	\$0	\$0
54680	Town Roads Maint. Used to maintain Town roads but not necessarily as detailed within.	\$636,798	\$292,000	\$441,667	\$340,269.18	\$0	\$0	\$0
	Not used							
54690	Road Maintenance Maintenance NOT USED	\$110,251	\$78,741	\$0	\$0.00	\$0	\$0	\$0
Subtotal Operating Expense		\$755,046	\$380,741	\$455,667	\$344,466.78	\$0	\$0	\$0
56312	Special Projects	\$0	\$28,140	\$0	\$0.00	\$0	\$0	\$0
56320	Road and Streets -new construction	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
Subtotal Capital Outlay		\$0	\$28,140	\$0	\$0.00	\$0	\$0	\$0
57101	Principal Used to appropriate annual principal payment for road bond	\$0	\$0	\$0	\$0.00	\$283,662	\$283,662	\$283,662
	Semi-annual payment to a paying agent (TBD)					\$283,662	\$283,662	\$283,662
57201	Interest Used to appropriate annual interest payment for road bond	\$0	\$0	\$108,900	\$0.00	\$130,000	\$130,000	\$130,000
	Semi-annual payment to a paying agent (TBD)					\$130,000	\$130,000	\$130,000
57301	Other Debt Service Costs Used to appropriate annual miscellaneous payments for road bond	\$0	\$0	\$150,000	\$2,437.98	\$200,000	\$200,000	\$200,000
	Cost of Issuance payment to a paying agent, registrar, other costs of issuance (TBD)					\$200,000	\$200,000	\$200,000
Subtotal Debt Service		\$0	\$0	\$258,900	\$2,437.98	\$613,662	\$613,662	\$613,662
59305	Transfer to C.I.P Fund 2019 Road Improvement Proceeds 5 cent gas tax fund balance reserve	\$0	\$0	\$5,690,073	\$0.00	\$0	\$0	\$0
						\$3,800,000	\$3,800,000	\$3,800,000
59935	Transfer to Fund Balance 5ct.	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
59936	Transfer to Fund Balance 6ct.	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
Subtotal Non-Operating		\$816,237	\$0	\$5,690,073	\$0.00	\$3,800,000	\$3,800,000	\$3,800,000
Roads and Streets	Department Total	\$1,571,283	\$408,880	\$6,404,640	\$346,904.76	\$4,413,662	\$4,413,662	\$4,413,662



Town of Loxahatchee Groves, Florida

Appropriations

Fiscal Year 2018-2019

Capital Improvement Fund

Community Improvements

60 Acct#	Acct Title - Description	FY 16	FY 17	Curr. Bgt	May YTD	Manager	Preliminary	Adopted
56120	Surveying Town Roads Used to account for expenditures related to surveys to be capitalized.	\$99,561	\$100,000	\$200,000	\$95,399.50	\$100,000	\$100,000 \$70K	\$100,000
	Balance of survey begun in FY 2018					\$100,000	\$100,000	\$100,000
56130	Road and Streets -new construction Improvements to be determined New road construction	\$0	\$1,000,000	\$4,800,000	\$0.00	\$3,800,000	\$3,800,000	\$3,800,000*
56140	Construct Town Roads - "D" Road D Road improvement near Big Dog Rescue	\$0	\$500,000	\$100,000	\$0.00	\$100,000	\$100,000	\$100,000*
56400	Drainage Used to record drainage improvements for Town roads To be determined with remaining funds rolled over into this year	\$118,119	\$200,000	\$890,073	\$81,924.50	\$0	\$0	\$0
56500	Trails Equestrian trails on North Road	\$106,041	\$40,000	\$20,000	\$9,350.00	\$20,000	\$20,000	\$20,000*
56510	Trails - Town Used to reflect improvement to trails	\$29,349	\$50,000	\$0	\$0.00	\$0	\$0	\$0
56540	Land Acquisition	\$28,893	\$28,893	\$0	\$0.00	\$0	\$0	\$0
Subtotal Capital Outlay		\$381,963	\$1,918,893	\$6,010,073	\$186,674.00	\$4,020,000	\$4,020,000	\$4,020,000
59001	Transfer to Fund Balance	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
59101	Transfer to Transportation Fund	\$0	\$0	\$100,000	\$0.00	\$0	\$0	\$0
59405	Transfer to Sanitation Fund	\$0	\$0	\$410,000	\$0.00	\$0	\$0	\$0
Subtotal Non-Operating		\$0	\$0	\$510,000	\$0.00	\$0	\$0	\$0
Community Improvement Department Total		\$381,963	\$1,918,893	\$6,520,073	\$186,674.00	\$4,020,000	\$4,020,000	\$4,020,000



Town of Loxahatchee Groves, Florida
Estimated Revenues
Fiscal Year 2018-2019

Local Option Sales Tax Infrastructure Fund

Revenues

1								
Acct#	Acct Title	FY 16	FY 17	Curr. Bgt	May YTD	Manager	Preliminary	Adopted
- Description								
31260	Sales Tax Infrastructure	\$0	\$0	\$213,748	\$145,833.44	\$213,748	\$255,718	\$255,718
The Palm Beach County Board of County Commissioners adopted the 1% local government infrastructure surtax through Ordinance Number 2016-032. The surtax rate is effective January 1, 2017, and will remain in effect until December 31, 2026.								
Palm Beach County Ordinance 2016-032; Sections 212.054 and 212.055, Florida Statutes								
Effective January 1, 2017, the combined state and local sales and use tax rate for Palm Beach County will be 7%. The combined rate is composed of the 6% state sales tax plus the 1% local government infrastructure surtax.						\$213,748	\$255,718	\$255,718
The sales tax hike will last for a maximum of 10 years. But it could expire sooner if the \$2.7 billion target is reached more quickly than expected.								
Using the same estimate as of July 22, 2018 from the State Revenue Estimating Conference.								
Subtotal Sales, Use and Fuel Taxes		\$0	\$0	\$213,748	\$145,833.44	\$213,748	\$255,718	\$255,718
38100	Transfer from Fund Balance	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
Existing funding available from assigned fund balance								
Subtotal Other Sources		\$0	\$0	\$0	\$0.00	\$0	\$0	\$0
Department Total		\$0	\$0	\$213,748	\$145,833.44	\$213,748	\$255,718	\$255,718



Town of Loxahatchee Groves, Florida

Estimated Revenues

Fiscal Year 2018-2019

Transportation Fund

Revenues

I								
Acct#	Acct Title	FY 16	FY 17	Curr. Bgt	May YTD	Manager	Preliminary	Adopted
- Description								
34100	1st Local Option Fuel Tax (6c)	\$265,665	\$272,430	\$282,803	\$160,996.19	\$283,126	\$283,126	\$283,126
County governments are authorized to levy up to 12 cents of local option fuel taxes in the form of three separate levies. The second is a tax of 1 to 6 cents on every net gallon of motor and diesel fuel sold within a county.								
Estimate based on FY18 year state revenue estimating conference projections. FY2019 projections received June 28.						\$283,126	\$283,126	\$283,126
34200	2nd Local Option Fuel Tax (5c)	\$123,672	\$125,880	\$131,764	\$74,997.83	\$130,536	\$130,536	\$130,536
County governments are authorized to levy up to 12 cents of local option fuel taxes in the form of three separate levies. The third tax is a 1 to 5 cents levy upon every net gallon of motor fuel sold within a county, and diesel fuel is not subject to this tax. Estimate based on FY16 year state revenue estimating conference projections.								
Estimate based on FY18 year state revenue estimating conference projections. FY2019 projections received June 28.						\$130,536	\$130,536	\$130,536
Subtotal Sales, Use and Fuel Taxes		\$389,337	\$398,310	\$414,567	\$235,994.02	\$413,662	\$413,662	\$413,662
38100	Transfer from Fund Balance	\$1,078,724	\$0	\$890,073	\$0.00	\$0	\$0	\$0
None anticipated at this time						\$0	\$0	\$0
38110	Contribution from General Fund	\$57,099	\$10,570	\$0	\$0.00	\$0	\$0	\$0
						\$0	\$0	\$0
38135	Transfer from CIP Fund	\$0	\$0	\$100,000	\$0.00	\$0	\$0	\$0
38410	Debt Proceeds	\$0	\$0	\$5,000,000	\$0.00	\$4,000,000	\$4,000,000	\$4,000,000
Records the sale of bonds or other loan proceeds where such proceeds are deposited into a governmental fund.								
Subtotal Other Sources		\$1,135,823	\$10,570	\$5,990,073	\$0.00	\$4,000,000	\$4,000,000	\$4,000,000
Department Total		\$1,525,160	\$408,880	\$6,404,640	\$235,994.02	\$4,413,662	\$4,413,662	\$4,413,662



Town of Loxahatchee Groves, Florida

Estimated Revenues

Fiscal Year 2018-2019

Transportation Fund

Revenues

I								
Acct#	Acct Title	FY 16	FY 17	Curr. Bgt	May Y-T-D	Manager	Preliminary	Adopted
- Description								
34100	1st Local Option Fuel Tax (6c)	\$265,665	\$272,430	\$282,803	\$160,996.19	\$283,126	\$283,126	\$283,126
34200	2nd Local Option Fuel Tax (5c)	\$123,672	\$125,880	\$131,764	\$74,997.83	\$130,536	\$130,536	\$130,536
Subtotal Sales, Use and Fuel Taxes		\$389,337	\$398,310	\$414,567	\$235,994.02	\$413,662	\$413,662	\$413,662
38100	Transfer from Fund Balance	\$1,078,724	\$0	\$890,073	\$0.00	\$0	\$0	\$0
38110	Contribution from General Fund	\$57,099	\$10,570	\$0	\$0.00	\$0	\$0	\$0
38135	Transfer from CIP Fund	\$0	\$0	\$100,000	\$0.00	\$0	\$0	\$0
38410	Debt Proceeds	\$0	\$0	\$5,000,000	\$0.00	\$4,000,000	\$4,000,000	\$4,000,000
Subtotal Other Sources		\$1,135,823	\$10,570	\$5,990,073	\$0.00	\$4,000,000	\$4,000,000	\$4,000,000
Fund Total		\$1,525,160	\$408,880	\$6,404,640	\$235,994.02	\$4,413,662	\$4,413,662	\$4,413,662

EXHIBIT "B"

"NORTH B ROAD" AND

"SOUTH D ROAD" COSTS

Project No.: 18-1233

Project Name: B Road Improvements (Conceptual)

Engineers' Estimate of Probable Construction Costs

1/7/2019

KESHAVARZ & ASSOCIATES



NO.	BASE BID	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Bonds & Insurances (2% max)	LS	1	\$46,000.00	\$46,000.00
2	Mobilization (3.5% max)	LS	1	\$80,000.00	\$80,000.00
3	Clearing & Grubbing / Vegetation Removal	LS	1	\$40,000.00	\$40,000.00
4	Miscellaneous Site Demolition (Pipes, Guardrail, Fence etc.)	LS	1	\$10,000.00	\$10,000.00
5	Maintenance of Traffic	LS	1	\$20,000.00	\$20,000.00
6	Grading	LS	1	\$20,000.00	\$20,000.00
7	Swale Grading	LS	1	\$52,500.00	\$52,500.00
8	12" Compacted Subgrade	SY	28,100	\$2.00	\$56,200.00
9	2-1/2" Type S-III Asphalt Pavement (2 Lifts)	SY	25,100	\$17.00	\$426,700.00
10	8" Limerock Base for Roadway	SY	26,200	\$12.00	\$314,400.00
11	6" Stabilized Shoulder	SY	5,900	\$6.00	\$35,400.00
12	Type F Curb	LF	11,000	\$25.00	\$275,000.00
13	Traffic Speed Table (Type S-III Asphalt)	EA	20	\$3,500.00	\$70,000.00
14	Type 'C' Ditch Bottom Inlet	EA	18	\$2,200.00	\$39,600.00
15	18" CAP	LF	720	\$50.00	\$36,000.00
16	15" CAP	LF	80	\$50.00	\$4,000.00
17	Pipe Outfall Rubble Rip Rap (Including Filter Fabric)	EA	29	\$1,500.00	\$43,500.00
18	10" C-900 PVC Water Main (With Appurtenances and Connections)	LF	10,500	\$55.00	\$577,500.00
19	Fire Hydrant Assembly	EA	21	\$5,000.00	\$105,000.00
20	Water Service Connection w/ 8" Gate Valve	EA	4	\$1,850.00	\$7,400.00
21	Sod	SY	12,000	\$5.00	\$60,000.00
22	Erosion Control Plan (Silt Fence, Turbidity Barrier, Dust Control, NPDES Permit Transfer, Monitoring, Reporting)	LS	1	\$10,000.00	\$10,000.00
23	Survey Layout	LS	1	\$30,000.00	\$30,000.00
24	Record Drawings	LS	1	\$15,000.00	\$15,000.00
25	Geotechnical Testing	LS	1	\$15,000.00	\$15,000.00
26	Signing and Pavement Markings	LS	1	\$20,000.00	\$20,000.00
Construction Cost					\$2,409,200.00
Contingency (20%)					\$481,840.00
Soft Costs, Survey, Design, Permitting, CPS, etc. (25%)					\$602,300.00
TOTAL WITH CONTINGENCY					\$3,493,340.00

Project No.: 17-1198

Project Name: D Road Improvements (Conceptual)

Southern Boulevard to Collecting Canal Road

Engineers' Estimate of Probable Construction Costs

1/7/2019



KESHA VARZ ASSOCIATES

NO.	BASE BID	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Bonds & Insurances (2% max)	LS	1	\$19,000.00	\$19,000.00
2	Mobilization (3.5% max)	LS	1	\$34,000.00	\$34,000.00
3	Clearing & Grubbing	LS	1	\$7,500.00	\$7,500.00
4	Miscellaneous Site Demolition (Pipes, Guardrail, Fence etc.)	LS	1	\$10,000.00	\$10,000.00
5	Maintenance of Traffic	LS	1	\$18,000.00	\$18,000.00
6	Grading	LS	1	\$15,000.00	\$15,000.00
7	Swale Grading	LS	1	\$11,000.00	\$11,000.00
8	Earthwork	LS	1	\$35,000.00	\$35,000.00
9	12" Compacted Subgrade	SY	9,200	\$2.00	\$18,400.00
10	2-1/2" Type S-III Asphalt Pavement (2 Lifts)	SY	6,300	\$17.00	\$107,100.00
11	8" Limerock Base for Roadway	SY	6,500	\$12.00	\$78,000.00
12	6" Stabilized Shoulder	SY	2,900	\$6.00	\$17,400.00
13	Traffic Speed Table (Type S-III Asphalt)	EA	2	\$3,500.00	\$7,000.00
14	Guardrail	LF	2,310	\$25.00	\$57,750.00
15	Guardrail End Anchorage (FDOT Type II)	EA	8	\$1,200.00	\$9,600.00
16	Type "F" Curb	LF	300	\$40.00	\$12,000.00
17	Type 'C' Ditch Bottom Inlet	EA	5	\$2,200.00	\$11,000.00
18	18" CAP	LF	260	\$50.00	\$13,000.00
19	96" CAP	LF	240	\$400.00	\$96,000.00
20	Sand Cement Endwall or Wingwall for 96" CAP	LF	400	\$200.00	\$80,000.00
21	Revetment Rubble Rip Rap (Including Filter Fabric)	SY	1,500	\$35.00	\$52,500.00
22	Pipe Outfall Rubble Rip Rap (Including Filter Fabric)	EA	5	\$400.00	\$2,000.00
23	10" C-900 PVC Water Main (With Appurtenances and Connections)	LF	2,200	\$60.00	\$132,000.00
24	Fire Hydrant Assembly	EA	7	\$5,000.00	\$35,000.00
25	Water Service Connection w/ 8" Gate Valve	EA	6	\$2,200.00	\$13,200.00
26	Sod	SY	6,200	\$5.00	\$31,000.00
27	Erosion Control Plan (Silt Fence, Turbidity Barrier, Dust Control, NPDES Permit Transfer, Monitoring, Reporting)	LS	1	\$7,500.00	\$7,500.00
28	Survey Layout	LS	1	\$40,000.00	\$40,000.00
29	Record Drawings	LS	1	\$20,000.00	\$20,000.00
30	Geotechnical Testing	LS	1	\$15,000.00	\$15,000.00
31	Signing and Pavement Markings	LS	1	\$20,000.00	\$20,000.00
Construction Cost					\$1,024,950.00
Contingency (20%)					\$204,990.00
Soft Costs, Survey, Design, Permitting, CPS, etc. (25%)					\$256,237.50
TOTAL WITH CONTINGENCY					\$1,486,177.50

EXHIBIT "C"

CONSTRUCTION COSTS AND CONSTRUCTION PLANS FOR

NORTH B ROAD TRAILS

From: William (Bill) Underwood, II Wunderwood@loxahatcheegrovesfl.gov
Subject: Equestrian trail
Date: Jan 23, 2019 at 1:39:33 PM
To: Mary McNicholas mem@sluggett.com

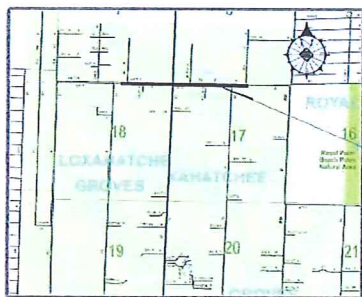
Mary,

The 40th st north trails is estimated to be \$95,000. \$20k for gate and bollards and \$75k for signalization at 140th and 40th.

William F. Underwood, II, Town Manager
Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, FL 33470
Tele: [561.793.2418](tel:561.793.2418)
Email: wunderwood@loxahatcheegrovesfl.gov

CONSTRUCTION PLANS FOR NORTH ROAD EQUESTRIAN TRAIL IMPROVEMENTS LOXAHATCHEE, FLORIDA.

SECTION 7,8,17,18. TOWNSHIP 43. RANGE 41.
PALM BEACH COUNTY, FLORIDA.



LOCATION MAP
SECTIONS 7,8,17 & 18, TOWNSHIP 43, RANGE 41.



COUNCIL MEMBERS:
MAYOR DAVID BROWNING
VICE MAYOR TOM GOLTZENE
RON JARRIEL RYAN LIANG
TODD MCLENDON



SHEET NUMBER	SHEET TITLE
C-00	COVER
C-01	WORK AREA
C-02	SITE 1 PLAN
C-03	SITE 2 PLAN
C-04	SITE 3 PLAN
C-05	SITE 4 PLAN
C-06	SITE 5 PLAN
C-07	SITE 6 PLAN
C-08	SITE 7A PLAN
C-09	SITE 7B PLAN
C-10	GATE DETAILS
C-11	BOLLARD DETAILS

VERTICAL DATUM
ALL ELEVATIONS SHOWN ARE IN
NATIONAL GEODETIC VERTICAL
DATUM OF 1929 (NGVD29)
CONVERSION FACTOR:
FOOTED - 1.007 - METER

IT'S THE LAW!
CALL TWO (2) BUSINESS DAYS
BEFORE YOU DIG
SUNSHINE 811



Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, Florida 33470



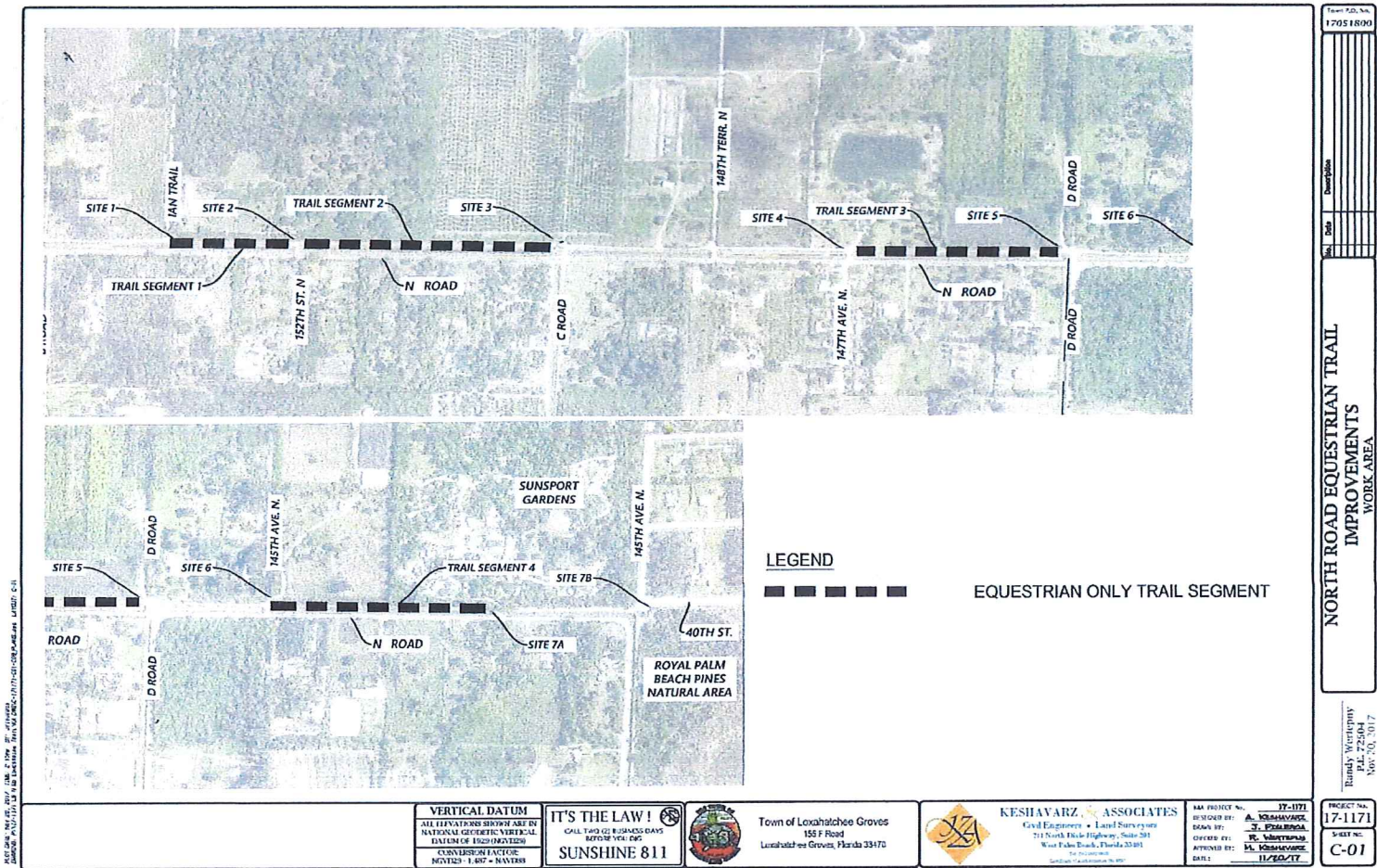
KESHAVARZ ASSOCIATES
Civil Engineers • Land Surveyors
711 North Dixie Highway, Suite 501
West Palm Beach, Florida 33401
Tel: (561) 833-1111
Fax: (561) 833-1112
Email: info@keshavarz.com

SEA PROJECT No. 17-1171
DESIGNED BY: A. KESHAVARZ
DRAWN BY: J. KESHAVARZ
CHECKED BY: R. KESHAVARZ
APPROVED BY: P. KESHAVARZ
DATE: 11/20/17

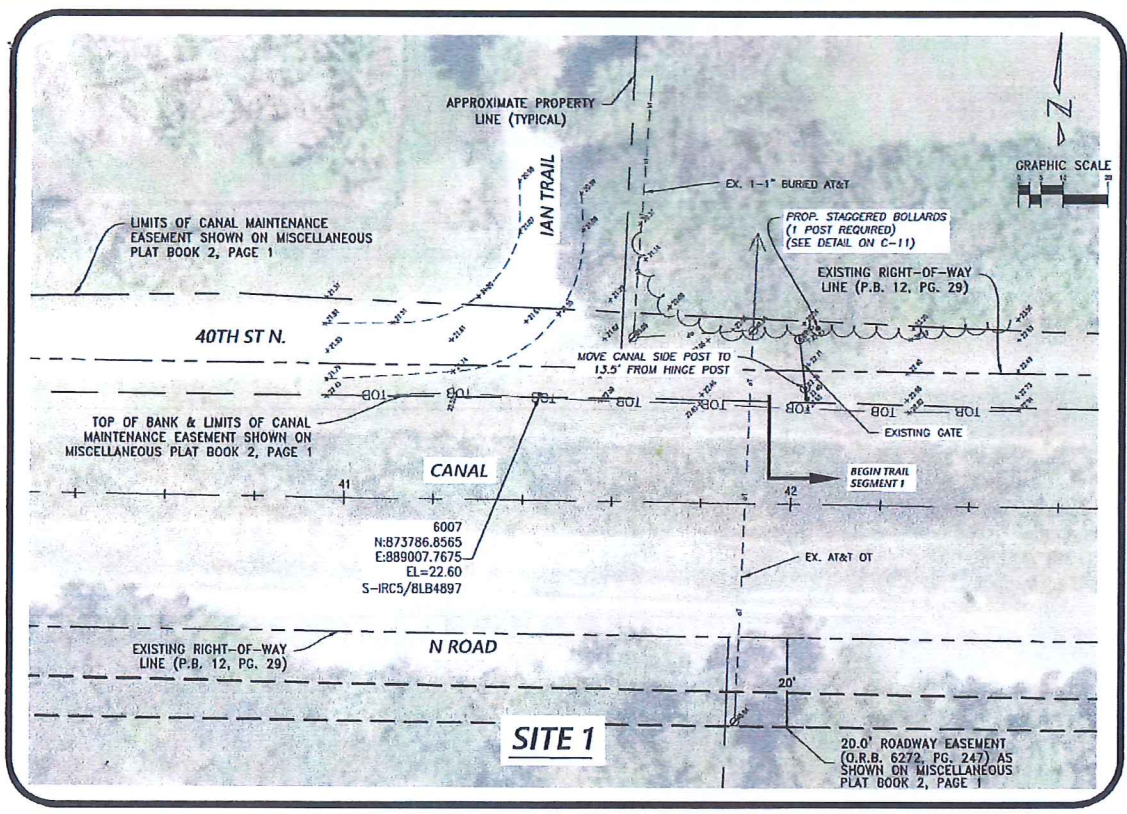
PROJECT No. 17-1171
SHEET No. C-00

NORTH ROAD EQUESTRIAN TRAIL
IMPROVEMENTS
COVER

TRAFFIC WARNING
P.L.E. 72504
Nov 20, 2017



NOT TO SCALE. SEE PLAT BOOK 2, PAGE 1 FOR ALL DIMENSIONS. THIS PLAN IS A PRELIMINARY PLAN AND IS NOT TO BE USED FOR CONSTRUCTION. ANY CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER OF RECORD.



VERTICAL DATUM
ALL ELEVATIONS SHOWN ARE IN
NATIONAL GEODETIC VERTICAL
DATUM OF 1929 (NGVD29)
CONVERSION FACTOR:
NGVD29 - 1.48\"/>

IT'S THE LAW!
CALL TWO (2) BUSINESS DAYS
BEFORE YOU DIG
SUNSHINE 811



Town of Lochaloochee Groves
155 F Road
Lochaloochee Groves, Florida 33470



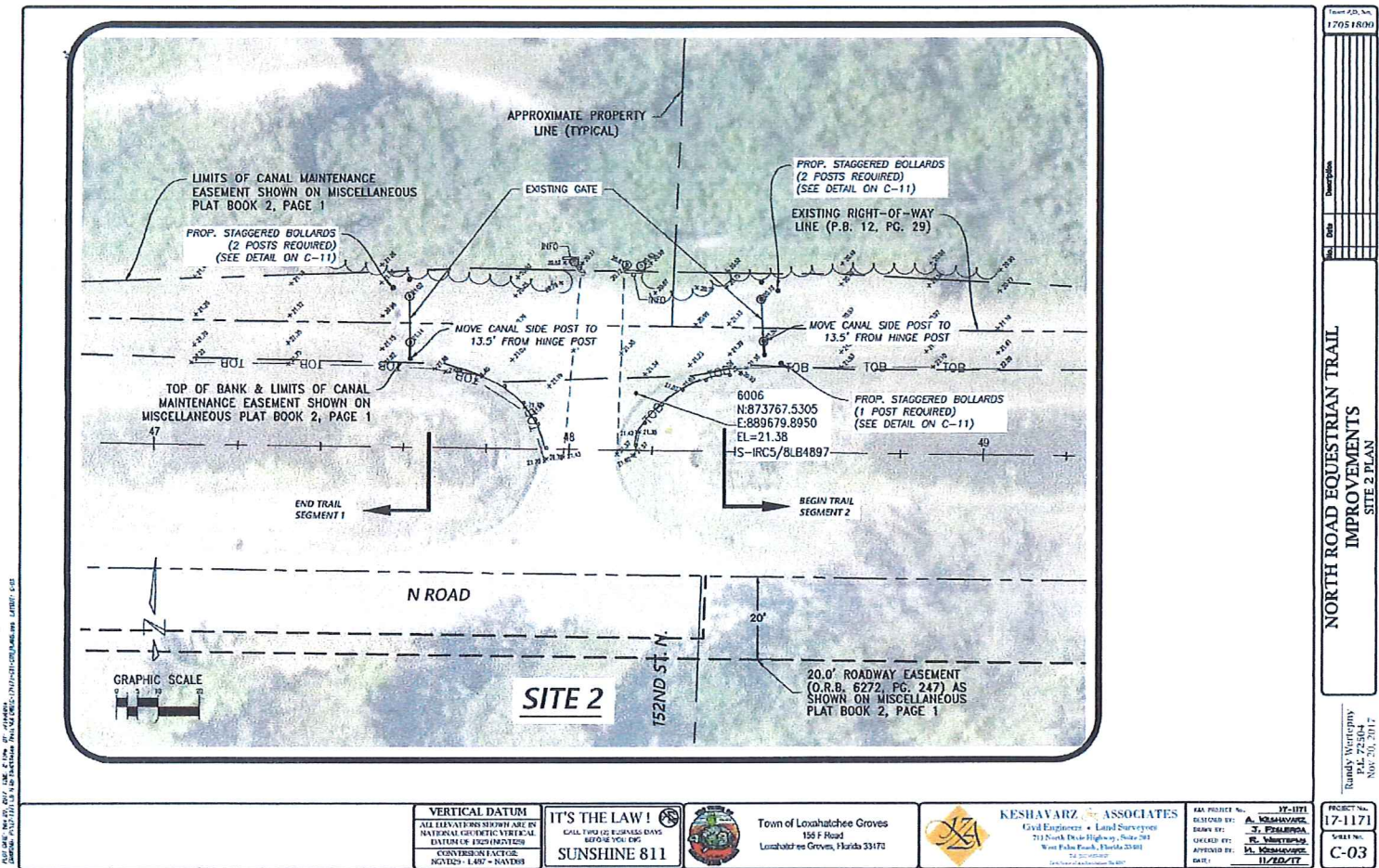
KESHAVARZ & ASSOCIATES
Civil Engineers & Land Surveyors
711 South Florida Highway, Suite 201
West Palm Beach, Florida 33411
Tel: (561) 833-1111
Fax: (561) 833-1112

AAA PROJECT NO.: **17-1171**
DESIGNED BY: **A. KESHAVARZ**
DRAWN BY: **N. PRABHAKAR**
CHECKED BY: **R. MONTGOMERY**
APPROVED BY: **A. KESHAVARZ**
DATE: **11/28/17**

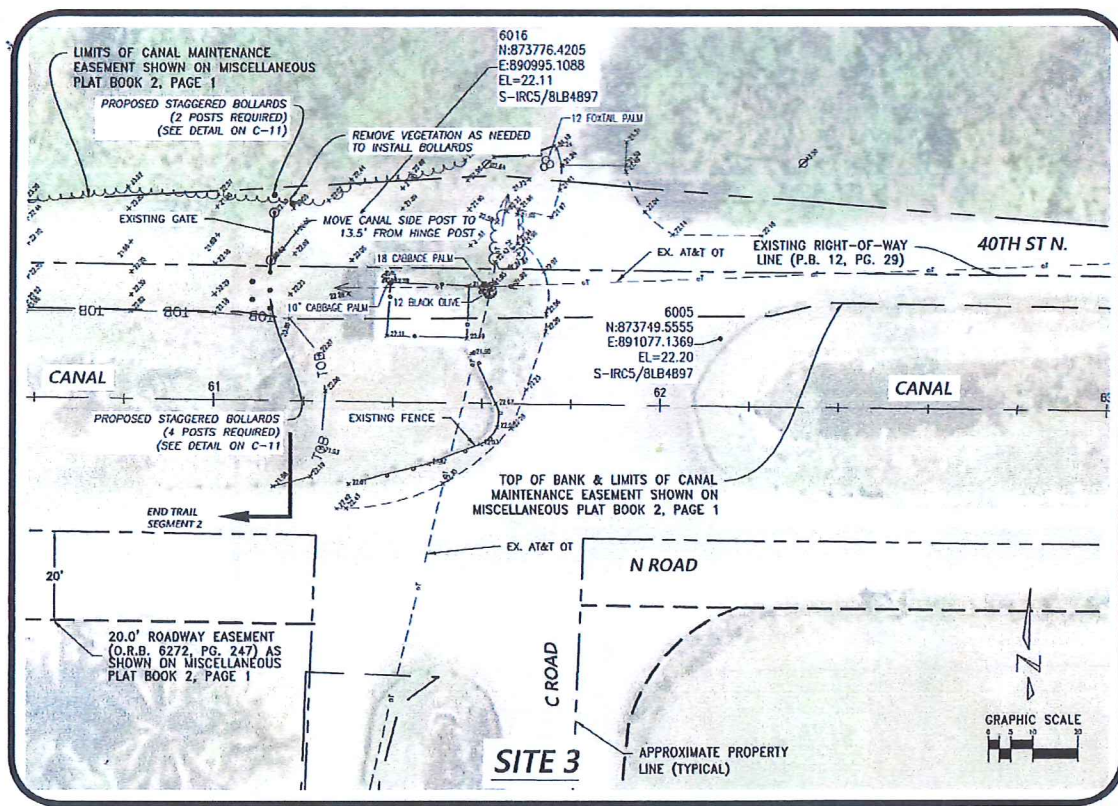
PROJECT NO.: **17-1171**
SHEET NO.: **C-02**

**NORTH ROAD EQUESTRIAN TRAIL
IMPROVEMENTS
SITE 1 PLAN**

Randy Westergren
PAL 722-001
Nov 21, 2017



2019-01-29 TC Addendum No. 1 - 26 of 38



VERTICAL DATUM
 ALL ELEVATIONS SHOWN ARE BY
 NATIONAL GEODETIC VERTICAL
 DATUM OF 1929 (NGVD29)
 CONVERSION FACTOR
 METERS - 1.0936 - HAYDON

IT'S THE LAW!
 CALL 1-800-222-6333
SUNSHINE 811



Town of Loxahatchee Groves
 8501 Road
 Loxahatchee Groves, Florida 33472



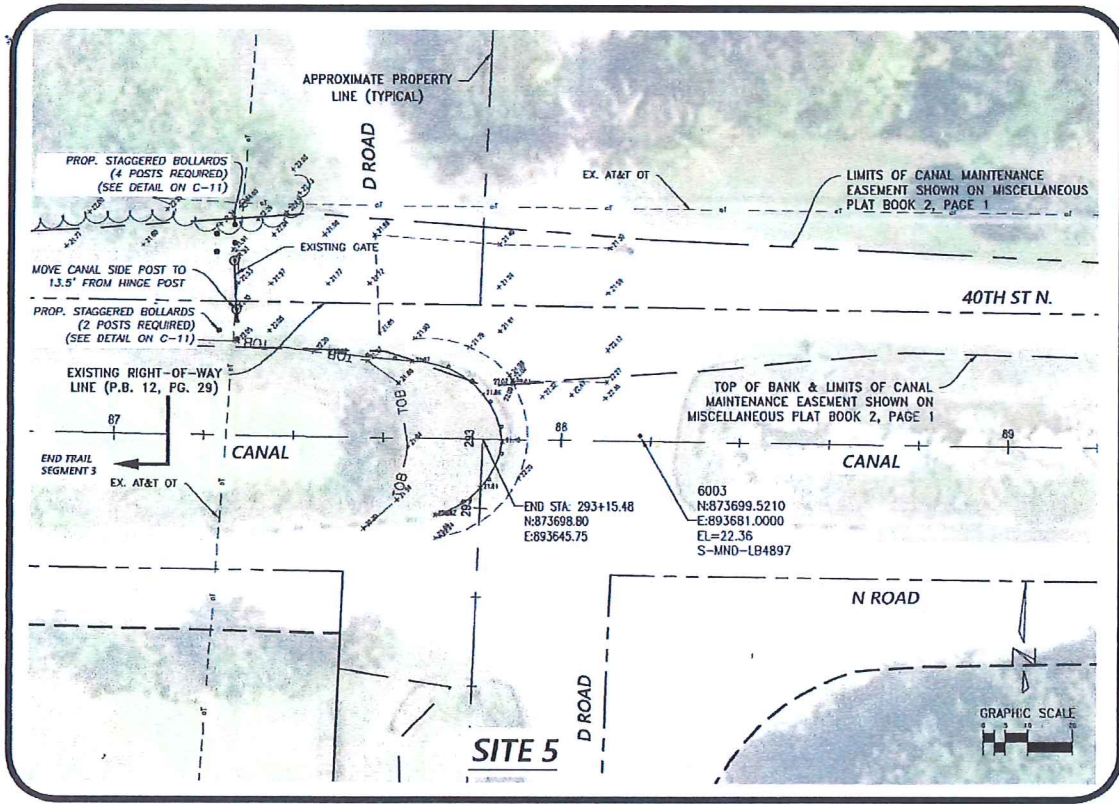
KESHAVARZ ASSOCIATES
 Civil Engineers • Land Surveyors
 711 North U.S. Highway, Suite 201
 West Palm Beach, Florida 33411
 Tel: 561.833.8888
 Fax: 561.833.8889

KSA PROJECT No. 17-1171
 DESIGNED BY: A. KESHAVARZ
 DRAWN BY: J. PHILLIPS
 CHECKED BY: R. MONTGOMERY
 APPROVED BY: K. KESHAVARZ
 DATE: 11/22/17

PROJECT No. 17-1171
 SHEET No. C-04

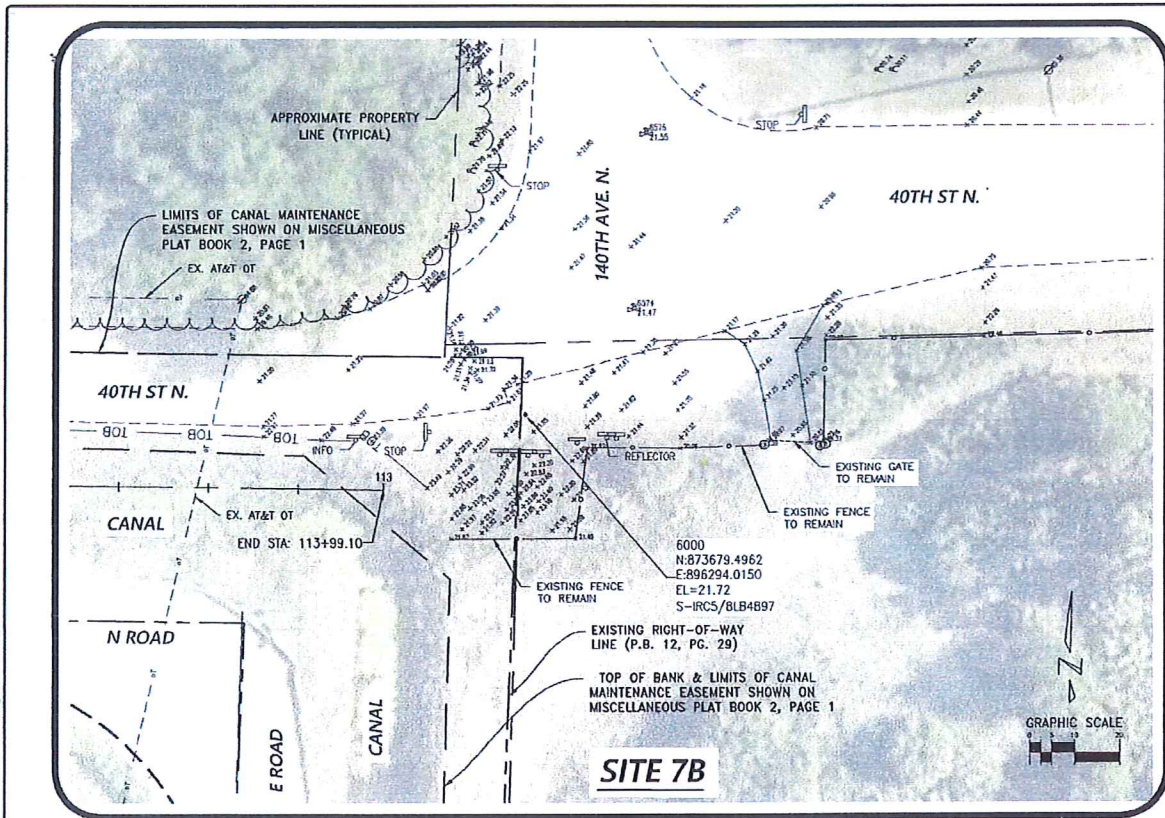
NORTH ROAD EQUESTRIAN TRAIL IMPROVEMENTS
 SITE 3 PLAN
 Randy Westcott
 P.L. 72504
 MAY 30, 2017

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VERTICAL DATUM ALL ELEVATIONS SHOWN ARE IN NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) CONVERSION FACTOR: FEET TO M = 1.09361 METERS TO FEET = 3.28084	IT'S THE LAW! CALL TWO (2) BUSINESS DAYS BEFORE NOTICES SUNSHINE 811		Town of Loxahatchee Groves 155 F Road Loxahatchee Groves, Florida 33470	 KESHAVARIZ ASSOCIATES Civil Engineers • Land Surveyors 714 South Pine Highway, Suite 201 West Palm Beach, Florida 33411 Tel: 561-833-1111 Fax: 561-833-1112 Website: www.keshavariz.com	SRA PROJECT NO.: 17-1171 DESIGNED BY: A. KESHAVARIZ DRAWN BY: J. KESHAVARIZ CHECKED BY: B. KESHAVARIZ APPROVED BY: K. KESHAVARIZ DATE: 11/20/17	PROJECT NO.: 17-1171 SHEET NO.: C-06
---	---	---	--	--	--	---

NORTH ROAD EQUESTRIAN TRAIL IMPROVEMENTS SITE 5 PLAN	
Randy Wooten Tel: 772-584 Fax: 772-584	No. 70, 2017



SITE 7B

**NORTH ROAD EQUESTRIAN TRAIL
IMPROVEMENTS
SITE 7B PLAN**

Randy Wertheim
P.L. 22504
Nov. 20, 2017

VERTICAL DATUM
ALL ELEVATIONS SHOWN ARE IN
NATIONAL GEODETIC VERTICAL
DATUM OF 1988 (NGVD88)
CONVERSION FACTOR:
NGVD83 - 1.48' - NAVD83

IT'S THE LAW!
CALL TWO OF EIGHT DAYS
BEFORE YOU GO
SUNSHINE 811



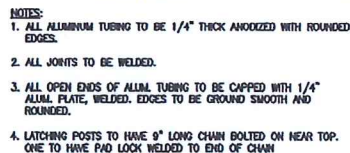
Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, Florida 33470



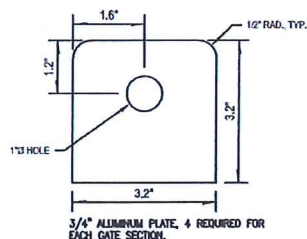
KESHAVARZ ASSOCIATES
Civil Engineers & Land Surveyors
211 North Florida Highway, Suite 201
West Palm Beach, Florida 33411
Tel: 561-833-0000
Fax: 561-833-0001

444 PROJECT NO.: **17-1171**
DESIGNED BY: **A. KESHAVARZ**
DRAWN BY: **R. PERAZZOLI**
CHECKED BY: **R. KESHAVARZ**
ATTENDED BY: **A. KESHAVARZ**
DATE: **11/20/17**

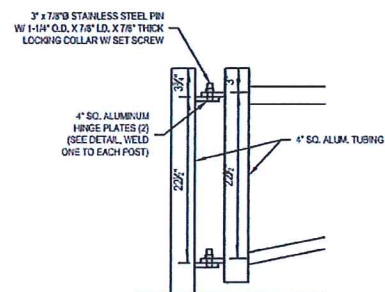
PROJECT NO.: **17-1171**
SHEET NO.: **C-09**



SWING GATE ELEVATION
NTS



HINGE PLATE DETAIL
N.T.S.



HINGE DETAIL
N.T.S.

1. CANAL SIDE POST (TYPICALLY SOUTH POST) TO BE MOVED TO PROVIDE A MINIMUM CENTER OF POST TO POST DIMENSION OF 13'6".
2. EXISTING GATE DIMENSIONS VARY FROM 10' TO 11'.
3. LOXAHATCHEE GROVES WATER CONTROL DISTRICT TO WELD EXTENSIONS ON HORIZONTAL GATE POST TO CLOSE THE GAP PRODUCED BY THE CANAL SIDE POST RELOCATION.
4. MOVE THE CANAL SIDE POSTS NO FURTHER THAN THE EXISTING NORTH CANAL TOP OF BANK.
5. RECONSTRUCT RELOCATED POST FOUNDATION SIMILAR TO NEW GATE DETAIL.

PLoS ONE | <https://doi.org/10.1371/journal.pone.0171221> | <https://doi.org/10.1371/journal.pone.0171221.g001>

IT'S THE LAW! 
CALL TWO OF BUSINESS DAYS
BET. 9A. & 5P. **SUNSHINE 811**



Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, Florida 33470



KESHAVARZ & ASSOCIATES
Civil Engineers • Land Surveyors
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33411
Tel. (407) 833-6666

E&A PROJECT No. IT-17
 DESIGNED BY: A. KISHINOV
 DRAWN BY: J. FALERO
 CHECKED BY: R. WATSON
 APPROVED BY: M. KISHINOV
 DATE: 11.02.00

PROJECT No.
17-1171

SHEET No.
C-10

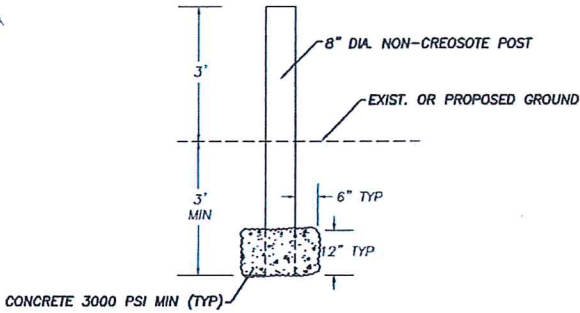
Sheet No. 17051800

Item	Description
1	BOLLARD

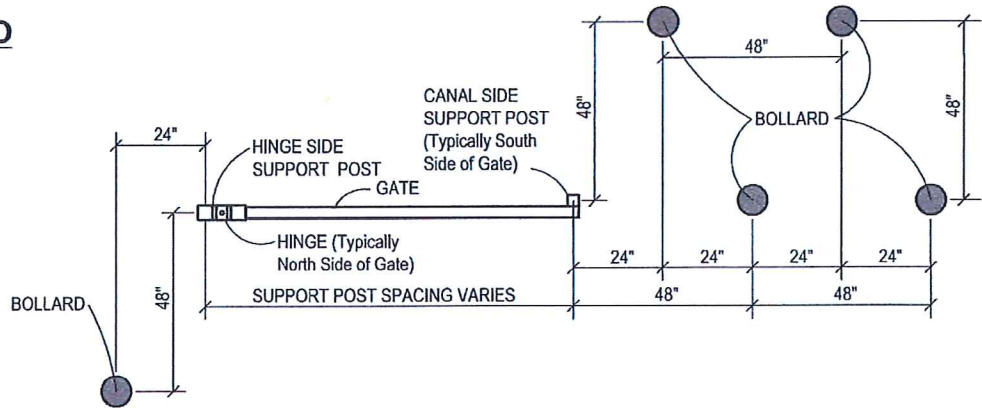
NORTH ROAD EQUESTRIAN TRAIL
IMPROVEMENTS
BOLLARD DETAILS

Randy Wooten
P.E. 72504
NOV 20, 2017

PROJECT No. 17-1171
SHEET No. C-11



BOLLARD



STAGGERED BOLLARD PLACEMENT

NUMBER OF BOLLARDS MAY RANGE FROM 1 TO 4

IT'S THE LAW!
CALL TWO (2) BUSINESS DAYS
BEFORE YOU DIE
SUNSHINE 811



Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, Florida 33470



KESHAVARZ & ASSOCIATES
Civil Engineers & Land Surveyors
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33411

DATE PROJECT No. 17-1171
DESIGNED BY: A. KESHAVARZ
CHECKED BY: S. KESHAVARZ
APPROVED BY: S. KESHAVARZ
DATE: 11/20/17

EXHIBIT "D"

TOWN'S PREVIOUS TRAILS GRANT APPLICATION INFORMATION

From: William (Bill) Underwood, II Wunderwood@loxahatcheegrovesfl.gov
Subject: Trails Grant
Date: Jan 23, 2019 at 2:26:49 PM
To: David Browning DBrowning@loxahatcheegrovesfl.gov, Todd
McLendon TMcLendon@loxahatcheegrovesfl.gov, Dave DeMarois
DDeMarois@loxahatcheegrovesfl.gov, Anita Kane
akane@loxahatcheegrovesfl.gov, Phillis Maniglia
PManiglia@loxahatcheegrovesfl.gov
Cc: Michael D. Cirullo, Jr. MCirullo@gorencherof.com, Mary McNicholas
mem@sluggett.com, Perla Underwood
PUnderwood@loxahatcheegrovesfl.gov

Council,

Further research for the grant turned up the document on the Town's website at the following link: http://www.loxahatcheegrovesfl.gov/sites/default/files/fileattachments/town_council/meeting/14491/2012-02-07_agenda.pdf

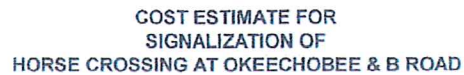
William F. Underwood, II, Town Manager
Town of Loxahatchee Groves
155 F Road
Loxahatchee Groves, FL 33470
Tele: [561.793.2418](tel:561.793.2418)
Email: wunderwood@loxahatcheegrovesfl.gov

EXHIBIT "E"

COSTS FOR SIGNALIZATION OF HORSE CROSSINGS

AT OKEECHOBEE BOULEVARD AND

F and B ROADS



Notes:

Patricia Barr, P.E
Florida PE No. 56925

SIMMONS WHITE

ENGINEERING | PLANNING | CONSULTING | SINCE 1982

COST ESTIMATE FOR SIGNALIZATION OF HORSE CROSSING AT OKEECHOBEE & F ROAD

[illegible]

Notes:

THE UNIT PRICES USED IN THIS COST ESTIMATE ARE ESTIMATES OF CURRENT COSTS BASED ON RECENT BIDS RECEIVED, OR ON PAST BIDS ADJUSTED BY CURRENT PRICE INDEXES. THEIR ACCURACY IS A FUNCTION OF ECONOMIC CONDITIONS AT THE TIME THE WORK IS ACTUALLY BID.

THIS ESTIMATE IS FOR CONSTRUCTION COSTS ONLY. DESIGN AND/OR PERMITTING TO MEET FUNDING REQUIREMENTS COULD CONSTITUTE ADDITIONAL WORK.

This item has been electronically signed and sealed by Patricia Barr, PE on 1/7/2019 using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

Qbusj djb!N! Ehjubmthof e'ez!
Qbusj djb!N!Qbst
Qbst Ebf ;312/12/18!
22:35;19L16(11(

Patricia Barr, P.E.
Florida PE No. 56925