

Department of Engineering and Public Works

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"An Equal Opportunity Affirmative Action Employer" May 7, 2019

Dr. Juan F. Ortega, P.E. JFO Group, Inc. 11924 Forest Hill Boulevard, Suite 10A-123 Wellington, Florida 33414

RE: Soccer Park
FLUA Amendment Policy 3.5-d Review
Round 2020-A

Dear Dr. Ortega:

Palm Beach County Traffic Division has reviewed the Traffic Impact for the proposed Future Land Use Amendment for the above referenced project, dated April 5, 2019, pursuant to Policy 3.5-d of the Land Use Element of the Palm Beach County Comprehensive Plan. The project is summarized as follows:

Location:	South of Indiantown Road, 3.6 mile	es west of Florida's Turnpike						
PCN:	00-41-41-02-00-000-1020							
Acres:	19.462 acres							
	Current FLU	Proposed FLU						
FLU:	Rural Residential, 1 unit per 10 acres (RR-10)	Commercial Recreation (CR)/Rural Residential (RR)						
Zoning:	Agricultural Residential (AR)	Commercial Recreation Distriction (CRE)						
Density/ Intensity:	0.1 du/acre	0.05 FAR						
Maximum Potential:	Single Family Detached = 1 DU	Commercial Recreation Use = 42,388 SF						
Proposed Potential:		Soccer Complex = 6 Fields						
Net Daily Trips:	418 (proposed – current)							
Net PH Trips:	6 (4/2) AM, 99 (65/34) PM (proposed)							

* Maximum indicates typical FAR and maximum trip generator. Proposed indicates the specific uses and intensities/densities anticipated in the zoning application.



Dr. Juan F. Ortega, P.E. May 7, 2019 Page 2

Based on the review, the Traffic Division has determined that the traffic impacts of the proposed amendment meets Policy 3.5-d of the Future Land Use Element of the Palm Beach County Comprehensive Plan at the **proposed potential** density shown above. The proposed change will have an insignificant impact for both the long range and Test 2 analyses.

Therefore, this amendment requires a condition of approval to cap the project at the **Proposed** development potential or equivalent trips.

Please contact me at 561-684-4030 or email to QBari@pbcgov.org with any questions.

Sincerely,

Quazi Bari, P.E.

Geografica Pari

Senior Professional Engineer - Traffic Division

QB:DS:qg

ec: Dominique Simeus – Project Coordinator II, Traffic Division Steve Bohovsky – Technical Assistant III, Traffic Division Lisa Amara – Senior Planner, Planning Division Khurshid Mohyuddin – Principal Planner, Planning Division Jorge Perez – Senior Planner, Planning Division

File: General - TPS – Unincorporated - Traffic Study Review N:\TRAFFIC\Development Review\Comp Plan\20-A\Soccer Park.docx

INDIANTOWN SOCCER COMPLEX

PALM BEACH COUNTY, FLORIDA

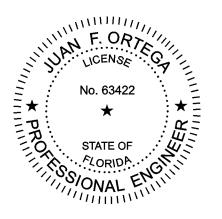
FUTURE LAND USE ATLAS AMENDMENT TRAFFIC IMPACT ANALYSIS

PREPARED FOR: BGTG PROPERTIES, LLC

Prepared by:

JFO GROUP INC COA Number 32276 11924 Forest Hill Boulevard Suite 10A-123 Wellington, Florida, 33414





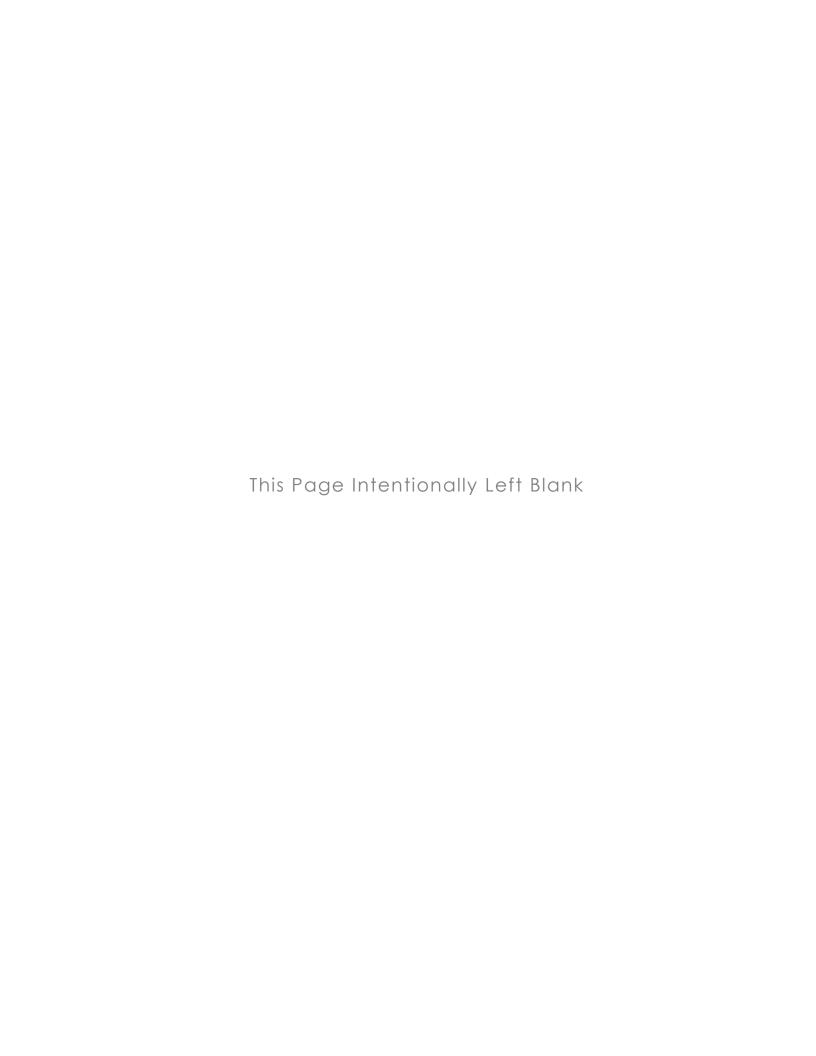


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1. PROJECT DESCRIPTION

JFO Group Inc has been retained to evaluate the traffic impact for the proposed Land Use designation at the Indiantown Soccer Complex project. The purpose of this analysis is to evaluate the traffic impact of the proposed land use change to determine compliance with the PBC – Future Land Use Atlas (FLUA) Amendment requirements. This analysis includes Test 2 – Five Year Analysis (2023) and Long-Range Analysis (2040).

There is a proposal for a land use change of ± 19.462 acres located on the south side of Indiantown Road, about 3.6 miles west of Florida's Turnpike in unincorporated Palm Beach County (PBC), Florida. The current Future Land Use (FLU) designation for the property is Rural Residential, 1 unit per 10 acres (RR-10).



Figure 1: Project Location

A land use change amendment from the current RR-10 to Commercial Recreation (CR) is being requested. Property Control Number associated with this project is 00-41-41-02-00-000-1020. Exhibit 1 includes a copy of the property data from the PBC Property Appraiser's office for the site along with a copy of the latest survey for the site. Figure 1 shows an aerial location of the site in relation to the transportation network.

2. CURRENT FUTURE LAND USE DESIGNATION

Project trip generation rates available from the *PBC Trip Generation Rates*, dated August 13, 2014, were used to determine the project trip generation under the Current Land Use designation while the latest Institute of Transportation Trip Generation manual was used for the Proposed Land Use designation. Exhibit 2 includes trip generation excerpts from ITE. Table 1 shows the rates and equations used in order to determine the trip generation for Daily, AM, and PM peak hour conditions.

Table 1: Trip Generation Rates and Equations

Londilloo	ITE	Daily	A۱	/I Peak H	our	PM Peak Hour			
Land Use	Code		In	Out	Total	In	Out	Total	
Single Family Detached	210	10.00	25%	75%	0.75	63%	37%	Ln(T)= 0.90 Ln(X)+0.51	
Soccer Complex	488	71.33	61%	39%	0.99	66%	34%	16.43	

Table 2 summarizes Daily, AM and PM peak trip generation potential under the Current Future Land Use designation. The net Daily, AM and PM trips potentially generated due to the Current Future Land Use designation are 10, 1, and 2 trips respectively.

Table 2: Trip Generation - Current Future Land Use

Lond Hea	Intonsity	Daily	AM	1 Peak H	our	PM Peak Hour		
Land Use	Intensity		ln	Out	Total	In	Out	Total
Single Family Detached	1 DU	10	0	1	1	1	1	2

3. PROPOSED FUTURE LAND USE DESIGNATION

There is a proposal to change the current Future Land Use from the current RR-10 to CR. The proposed intensity for the site would allow a maximum of 42,388¹ SF of Commercial Recreation uses. However, the site is going to be developed as Six (6) Soccer Fields along with maintenance / office / restroom facilities. Table 3 summarizes Daily, AM and PM peak hour trips potentially generated under the Maximum Intensity.

Table 3: Trip Generation - Proposed Future Land Use

Londillo	Intonsity	Daily	AM	1 Peak H	our	PM Peak Hour		
Land Use	Intensity		In	Out	Total	In	Out	Total
Soccer Complex	6 Fields	428	4	2	6	65	34	99

According to Table 3, the net Daily, AM and PM trips potentially generated due to the Proposed Future Land Use designation under the Maximum Intensity are 428, 6, and 99 trips respectively.

¹ 0.05 FAR x 19.462 ac. = 42,388 SF. Exhibit 1 includes a copy of the property data from the PBC Property Appraiser's office for the site as well as the latest survey for the site. Note that the areas from the survey and the property appraiser are slightly different. Areas from the survey were used in this analysis.

4. TRAFFIC IMPACT

Table 4 shows a comparison of the trip generation between the Maximum Intensity under the existing and proposed FLU. As can be seen in Table 4, Daily and Peak-Hour traffic generated by the Maximum Intensity under the proposed FLU are higher than the traffic generated by the current FLU. As part of a conservative analysis, no credit was taken for existing uses on site.

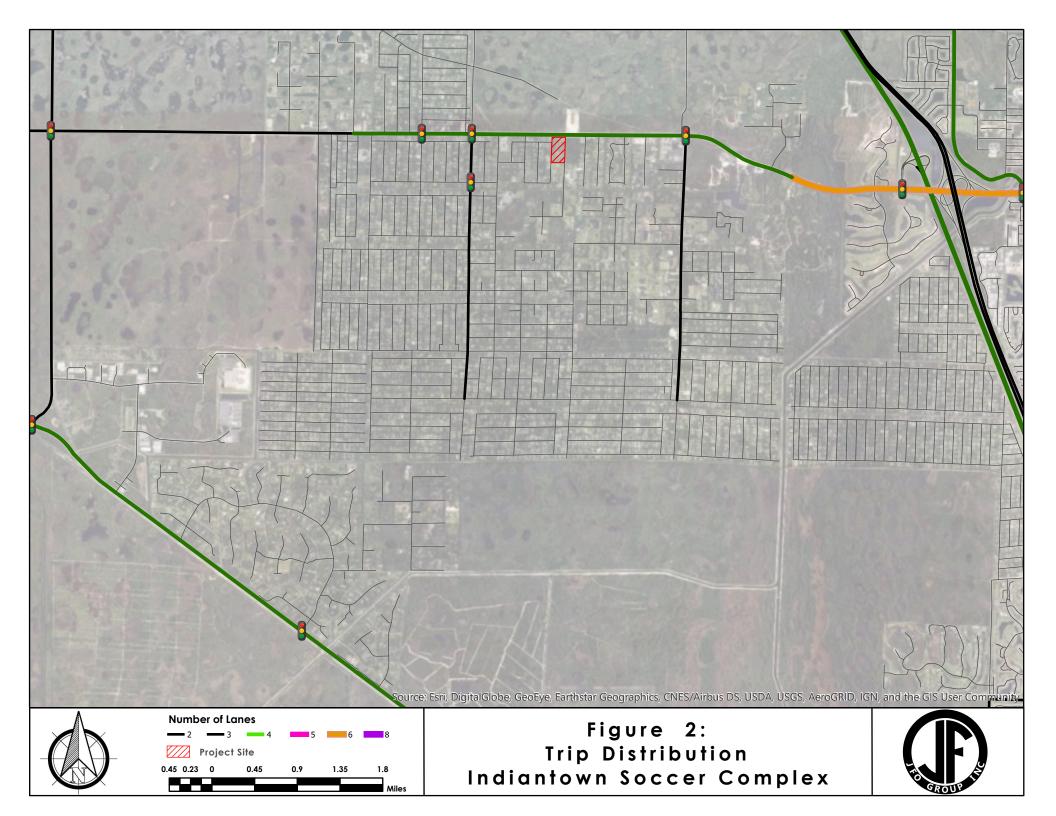
Table 4: Net Traffic Impact - Maximum Intensity

Future Land Use	Daile	А	M Peak Ho	ur	PM Peak Hour			
Designation	Daily	In	Out	Total	In	Out	Total	
Current	10	0	1	1	1	1	2	
Maximum Intensity	428	4	2	6	65	34	99	
Net New Trips	418	4	1	5	64	33	97	

Pursuant to the **Test 2 – Five Year Analysis (2023)** requirements and according to the *ULDC*, *Article 12 – Chapter B*, *Section 2.B*, based on the peak hour trips from Table 3, a 1-mile Radius of Development Influence (RDI) needs to be considered for traffic impact analysis for the Maximum Intensity.

Furthermore, given the net trip generation characteristics from Table 4 for Long Range Analysis (2040), and according to *FLUE Policy 3.5-d of the Comprehensive Plan*, the directly accessed link on the first accessed major thoroughfare should be considered for the long range analysis.

Trip distribution and assignment incorporates the characteristics of the proposed maximum intensity and the surrounding network configuration. Figure 2 includes project trip distribution on all roadway links included within a 1-mile RDI for the proposed land use.



5. TRAFFIC ANALYSIS

This section evaluates two traffic scenarios for the proposed land use change under the Maximum Intensity: Test 2 – Five Year Analysis (2023) and Long Range Analysis (2040).

5.1 Test 2 – Five Year Analysis (2023)

Test 2 directs to compare the peak hour directional traffic volumes on each significant Link to the thresholds in *Table 12.B.2.C-4, 2A: LOS E Link Service Volumes*. If total traffic is equal to or lower than the thresholds, the project shall pass. Table 5 determines these significance levels for the Maximum Intensity.

According to *Table 12.b.2.D-7 3A* from the *PBC Traffic Performance Standards - Article 12* of the *PBC Unified Land Development Code* and given the trip generation characteristics from Table 3, a 1-mile Radius of Development Influence needs to be considered for Test 2 traffic impact analysis of the Maximum Intensity. Links included within the RDI with more than three percent (3%) of the adopted LOS thresholds and links outside the RDI where net trips are greater than five percent (5%), as defined in *Table 12.B.C-4 2A: LOS E Link Service Volumes, Peak Hour Traffic*; two-way volume threshold, shall meet the adopted LOS.

Link analyses shall be carried out at the end of the fifth year of the *Florida Department of Transportation (FDOT) Five-Year Transportation Improvement Program* in effect at the time of traffic analysis submittal. The road network assumed in this analysis shall be the existing road network, and, State and County Five-Year Road Program improvements with construction scheduled to commence before the end of the Five-Year analysis period. At the time of this submittal, *PBC - Five-Year Transportation Improvement Program* adopted on December 18, 2018 shows Mack Dairy Road from Indiantown Road to Old Indiantown Road being built as 2 lane road in FY 2019. Exhibit 3 includes an excerpt from the Five-Year Road Program showing this improvement. As shown in Table 5, all links within the RDI have an impact of less than three percent (3%). **Test 2** has been met.

Table 5: Test 2 - Five Year Analysis Significance - Maximum Intensity

Roadway	From	То	Ln	Number of Existing and Proposed Traffic Signals - 1	Length (miles)	Signalized intersections per mile	Class	LOS Capacity	Traffic Assignme nt	Project Traffic	Traffic Impact
Alexander Run	175th Road N	Indiantown Road	2	1	0.46	2.17	Class II	860	10%	7	0.81%
Mack Dairy Road	Indiantown Road	Old Indiantown Road	2	0	0.62	0.00	Class I	880	5%	3	0.34%
Jupiter Farms Road	Indiantown Road	150th Ct N	2	0	2.97	0.00	Class I	880	10%	7	0.80%
Indiantown Rd	130th Ave N	Alexander Run	4D	1	0.94	1.06	Class I	1,960	5%	3	0.15%
Indiantown Rd	Alexander Run	Indiantown Soccer Fields	4D	1	2.00	0.50	Clares	1.070	20%	13	0.66%
Indiantown Rd	Indiantown Soccer Fields	Jupiter Farms Rd	4U 	l	2.00	0.50	Class I	1,960	80%	52	2.65%
Indiantown Rd	Jupiter Farms Rd	Florida Turnpike	4D	1	2.14	0.47	Class I	1,960	70%	46	2.35%

А	M	PM			
IN	OUT	IN	OUT		
4	2	65	34		

RDI: 1-Mile

5.2 Proposed Site Plan and Rezoning

At the time this analysis was being prepared, Site Plan was still in the preliminary stages. The maximum intensity under the proposed Future Land Use will generate the same or less traffic than the most intense Use analyzed under this analysis. Consequently, this traffic analysis adequately evaluates the intent of Policy 3.5-d.

5.3 Long Range Analysis (2040)

At the time of this submittal, the latest long-range transportation model available from the Metropolitan Planning Organization was dated August 17, 2016. Based on the 2040 Cost Feasible Plan, net traffic was compared to LOS 'D' for existing and proposed lanes.

Table 6 shows the first accessible link in the year 2040. As shown in Table 7, this link will operate at the adopted LOS in the year 2040.

Table 6: Level of Service - 2040 Conditions - Maximum Intensity

Road	From	То	Lanes	Capacity	2040 Daily Volume ¹	Traffic Assignment	Project Traffic	Total Traffic	V/C	% Impact	Significant Impact?	Meets LOS 'D'? 2
Indiantown Rd	Alexander Run	Indiantown Soccer Fields	40	33,200	28,700	20.0%	84	28,784	0.87	0.25%	NO	YES
Indiantown Rd	Indiantown Soccer Fields	Jupiter Farms Rd	4D			80.0%	334	29,034	0.87	1.01%	NO	YES

Net Daily Traffic: 418

¹ 2040 volumes are included in Exhibit 4.

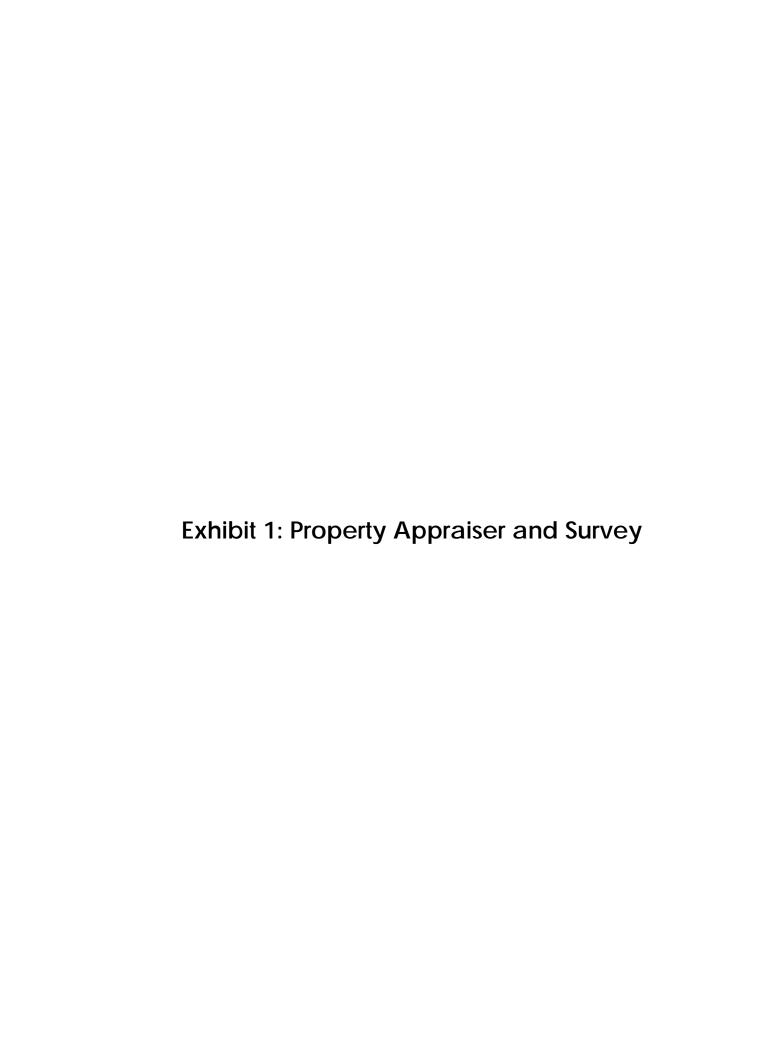
² A project has significant traffic: (1) when net trip increase will impact FIHS and SIS facilities which are already exceeding the adopted LOS or cause the adopted LOS for FIHS or SIS facilities to be exceeded; and/or (2) where net trip increase impacting roads not on the FIHS or SIS is greater than one percent (1%) for volume to capacity ratio (v/c) of 1.4 or more, two percent (2%) for v/c of 1.2 or more and three percent (3%) for v/c of less than 1.2 of the level of service "D" capacity on an AADT basis of the link affected up to the limits set forth in this table. The laneage shall be as shown on the MPO's latest adopted LRTP.

CONCLUSION

There is a proposal for a land use change of ± 19.462 acres located on the south side of Indiantown Road, about 3.6 miles west of Florida's Turnpike in unincorporated Palm Beach County (PBC), Florida. The proposal is to change the current Future Land Use from the current Rural Residential, 1 unit per 10 acres (RR-10) to Commercial Recreation (CR). The proposed requested land use change will allow a maximum density and intensity of Six (6) Soccer Fields along with maintenance / office / restroom facilities.

Exhibit 5 includes a copy of the Development Potential Form – 2019 Future Land Use Atlas Amendment Application.

The proposed changes to the Indiantown Soccer Complex project have been evaluated following *FLUE Policy 3.5-d of the PBC Comprehensive Plan*. This analysis shows the proposed Future Land Use Amendment will be in compliance with *Policy 3.5-d of the Land Use Element of the PBC Comprehensive Plan*.





Property Detail

Location Address 17770 112TH DR N

Municipality UNINCORPORATED

Parcel Control Number 00-41-41-02-00-000-1020

Subdivision

Official Records Book 28259

Page 91

Sale Date APR-2016

2-41-41, N 1369 FT OF W 1/2 OFNE 1/4 OF NE 1/4 (LESS N 90 FT INDIAN TOWN RD & CNL R/WS) Legal Description

Owner Information

CALIFORNIA HOLDINGS LLC

Owners

Mailing address

631 US HIGHWAY 1 STE 409

NORTH PALM BEACH FL 33408 4618

Sales Information

Sales Date	Price	OR Book/Page	Sale Type	Owner
APR-2016	\$742,250	28259 / 00091	WARRANTY DEED	CALIFORNIA HOLDINGS LLC
JUN-2015	\$700,000	27614 / 00283	WARRANTY DEED	PIRELLI THOMAS R TRUST
JUN-2012	\$10	25281 / 01493	QUIT CLAIM	CASSIDY MARTIN J TR
JAN-1972	\$54,000	01998 / 01997		

Exemption Information

No Exemption information available

Property Information

Number of Units 0

*Total Square Feet 0

Acres 19.50

Use Code 0000 - VACANT

Zoning AR - Agricultural Residential (00-UNINCORPORATED)

•							
Α	n	n	r	'aı	ıs	a	ıc

Tax Year	2018	2017	2016		
Improvement Value	\$0	\$0	\$0		
Land Value	\$721,330	\$627,243	\$633,579		
Total Market Value	\$721,330	\$627,243	\$633,579		
All values are as of January 1st each year					

Assesse	ed and Taxable Values			
	Tax Year	2018	2017	2016
	Assessed Value	\$7,800	\$7,800	\$633,579
	Exemption Amount	\$0	\$0	\$0
	Taxable Value	\$7,800	\$7,800	\$633,579

Taxes			
Tax Year	2018	2017	2016
Ad Valorem	\$135	\$137	\$11,465
Non Ad Valorem	\$5,057	\$3,258	\$3,195
Total tax	\$5,192	\$3,395	\$14,660

Dorothy Jacks, CFA, AAS PALM BEACH COUNTY PROPERTY APPRAISER www.pbcgov.org/PAPA

3/7/2019, 2:37 PM 1 of 1



LEGEND



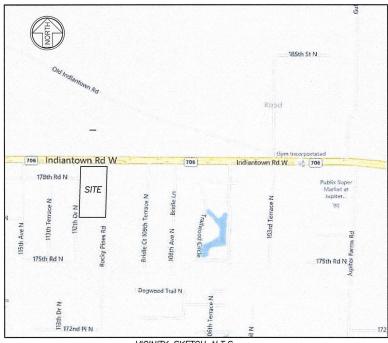
= NAUL FOUND = NAUL & DISK FOUND (AS NOTED) = MAG NAUL & DISK SET (LB #4569) = PROPERTY LINE = UTILITY POLE

FIRE HYDRANT

= WATER METER = WATER VALVE

= LIGHT POLE

20



VICINITY SKETCH N.T.S.

This property is located in Flood Zone B, according to F.I.R.M. (Flood Insurance Rate Map) No. 120192 0050B, dated 10-15-1982.

1831

Institution regarding record exements, adjoiners, and other documents that implify affect the quality of this to tract shown hereon was gained from policy number 5011412-282283s, issued by First American Title Instruction Company (seed August 40 Augu

Elevations shown nerros), a vary, we a variety of the construction of the construction

12. It is a violation of Rule 5.1-17 of the Florida Administrative Code to alter this survey without the express prior written consent of the Surveyor. Additions and/or deletions made to the face of this survey will make this survey invalid.

urvaio.

13. The ownership of fences, perimeter walls and/or hedges shown hereon are not known and flus are not listed as encreachments. Fences, hedges and/or perimeter walls are shown in their relative position to the boundary.

14. The expected horizontal accuracy of the information shown hereon is 4-6-10?.

BOUNDARY SURVEY FOR: THOMAS R. PIRELLI, TRUSTEE OF THE THOMAS R. PIRELLI TRUST DATED JANUARY 26, 1990 AND AS AMENDED

This survey is made specifically and only for the following party for the purpose of a design on the surveyed property

Thomas R. Pirelli, Trustee of the Thomas R. Pirelli Trust dated January 26, 1990 and as amended

The undersigned surveyor assumes no responsibility or liability for any other purpose or to any other party other than stated above

PROPERTY ADDRESS: 17770 112th Drive Norti

Jupiter, FL 33478

LEGAL DESCRIPTION

That part of the North 1369 feet of the West Half of the East Half of the Northeast Quarter of Section 2. Township 41 South Range 41 East, lying South of that certain 50 foot canal right of way proximate to the North fine of said Section 2 as shown on the replat of JUPITER FARMS AND GROVES recorded in Plat Book 24, Page 7, Public Records of Palm Beach County, Florida.

Subject to an easement for road purposes over and across the East 30 feet thereof.

TOGETHER WITH an easement for ingress and egress and for utility purposes over, upon and across the following described property, to wit:

BEGIN at the point of intersection of the North line of Section 2, Township 41 South, Rango 41 East, with a line 30 feet East of and parallel to the Vest free of the East Half of the East Half of Section 2; Section 2, Township 41 South, Rango 41 East, with a line 30 feet East Add of Section 2; the North Section 42 the North Section 42 the North Section 42 the North Section 42 the Section 42 th

CERTIFICATION:

IHERBY ATTEST that the survey shown hereon conforms to the Standards of Practice set forth by the Florida Board of Professional Surveyors and Mappers adopted in Rule 5.1-17, Florida Administrative Code pursuant to Section 472.027, Florida Statutes, offective September 1, 1991.

DATE OF LAST FIELD SURVEY: 7/6/2015

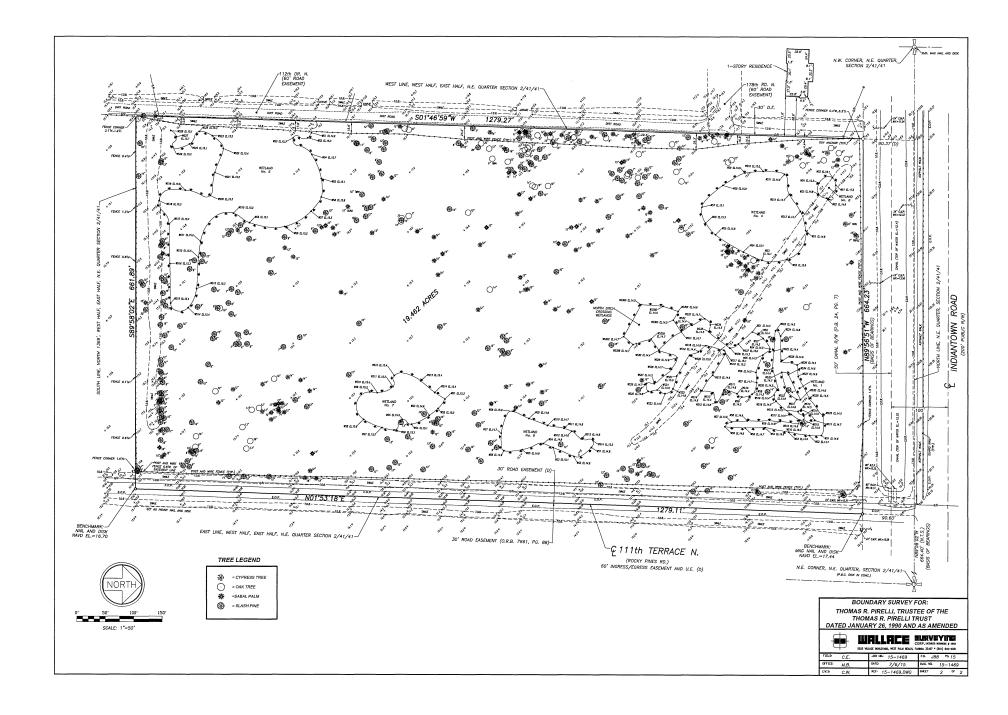
Craig L. Wallace ional Surveyor and Mapper Florida Certificate No. 3357

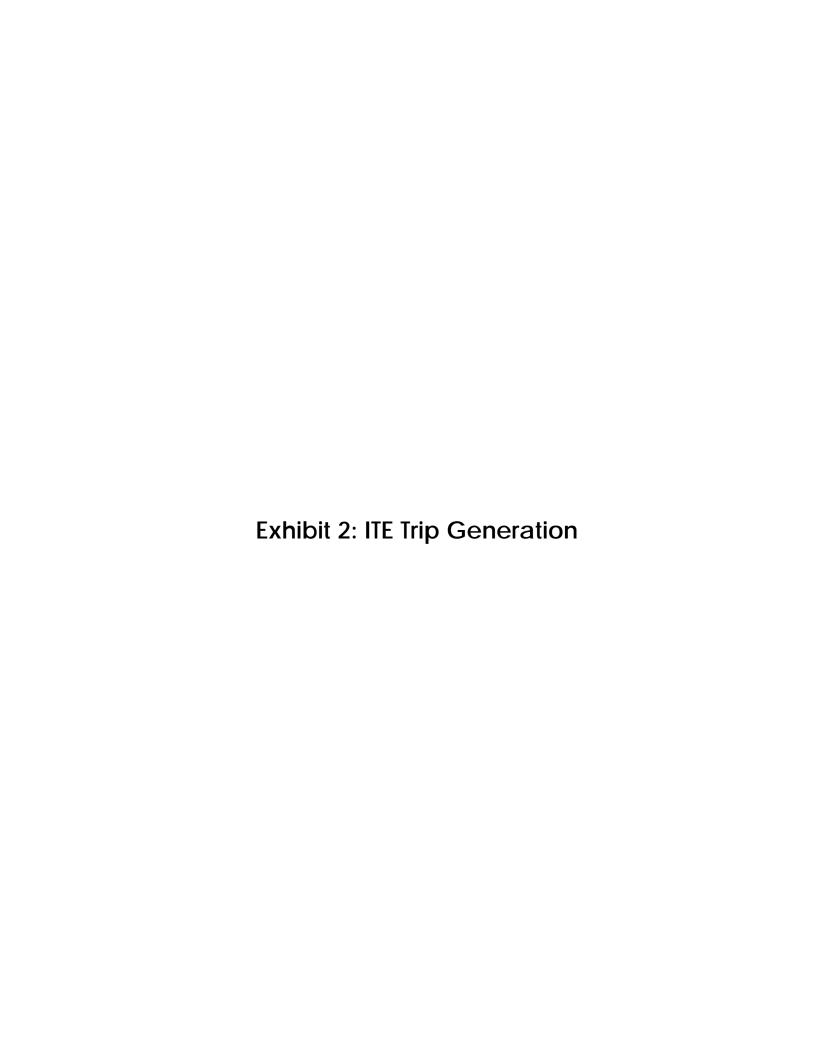
BOUNDARY SURVEY FOR:

THOMAS R. PIRELLI, TRUSTEE OF THE THOMAS R. PIRELLI TRUST DATED JANUARY 26, 1990 AND AS AMENDED



FIELD	C.E.	JOS HOU	15-1469	F.B.	J88	PG.	15	
DEFICE	M.B.	DATE	7/6/15	DVG. N	a 1	15-	146	9
CK.D	C.W.	RDF+	15-1469.DWG	SHEET		1	OF	-







Land Use: 488 Soccer Complex

Description

A soccer complex is an outdoor facility that is used for non-professional soccer games. It may consist of multiple fields. The size of each field within the land use may vary to accommodate games for different age groups. Ancillary amenities may include stadium seating, a fitness trail, an activities shelter, aquatic center, picnic grounds, basketball and tennis courts, and a playground. Public park (Land Use 411) is a related use.

Additional Data

Caution should be used when applying these data. Peaking at soccer complexes typically occurred in time periods shorter than one hour. These peaking periods may have durations of 10 to 15 minutes. To assist in the future analysis of this land use, it is important to collect driveway counts in 10-minute intervals.

Time-of-day distribution data for this land use are presented in Appendix A. For the one site with data, the peak hours for site trips on a weekday, Saturday, and Sunday were between 4:30 and 5:30 p.m., 11:45 a.m. and 12:45 p.m., and 10:15 and 11:15 a.m., respectively.

The sites were surveyed in the 1990s and the 2010s in California, Colorado, Hawaii, Indiana, and Washington.

Source Numbers

377, 519, 565, 722, 856, 908, 952, 956



Soccer Complex (488)

Vehicle Trip Ends vs: Fields

On a: Weekday

Setting/Location: General Urban/Suburban

Number of Studies: 3 Avg. Num. of Fields: 10

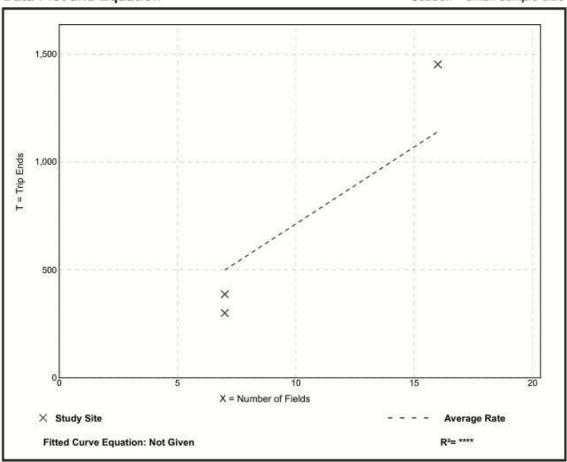
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Field

Average Rate	Range of Rates	Standard Deviation		
71.33	42.86 - 90.81	81.06		

Data Plot and Equation

Caution - Small Sample Size





Soccer Complex (488)

Vehicle Trip Ends vs: Fields

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Fields: 14

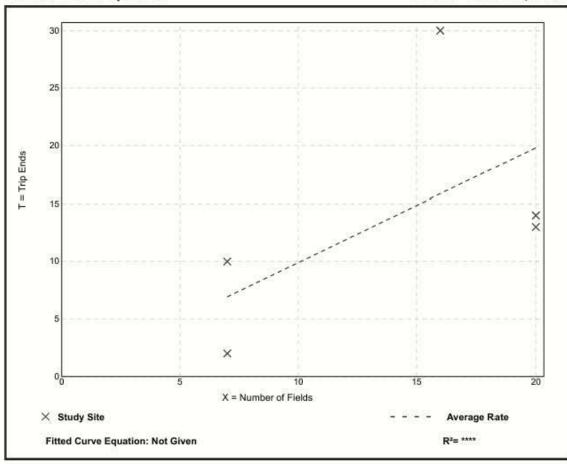
Directional Distribution: 61% entering, 39% exiting

Vehicle Trip Generation per Field

Average Rate	Range of Rates	Standard Deviation
0.99	0.29 - 1.88	0.62

Data Plot and Equation

Caution - Small Sample Size





Soccer Complex (488)

Vehicle Trip Ends vs: Fields

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. Num. of Fields: 14

Directional Distribution: 66% entering, 34% exiting

Vehicle Trip Generation per Field

Average Rate	Range of Rates	Standard Deviation
16.43	8.71 - 24.88	6.36

Data Plot and Equation

Caution - Small Sample Size

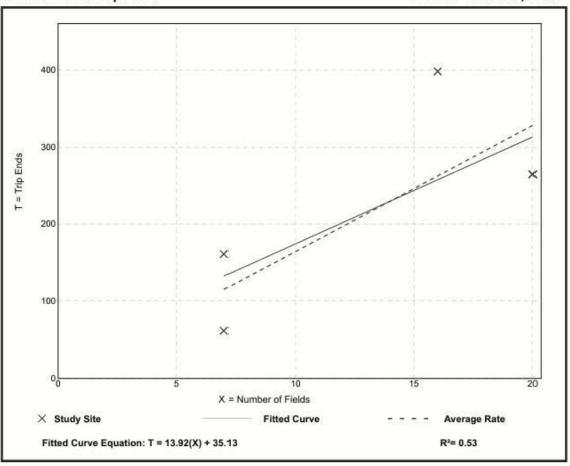




Exhibit 3: Five-Year Road Program



PALM BEACH COUNTY FIVE YEAR ROAD PROGRAM - EXHIBIT A (\$'s IN 1,000'S)

Annual Update - Adopted - December 18, 2018

PROJECT	PROJECT LIMITS DESCRIPTION FY 2019		19	FY 2	2020	FY 2021		FY 2022		FY 2023		
1 KG0201		DEGGINI FIGH	Cost F	Phase	Cost	Phase	Cost	Phase	Cost	Phase	Cost	Pha
Gateway Blvd.	Military Trail	Intersection Improvements	1,700 C									
Gateway Blvd.	High Ridge Rd	Intersection Improvements			1,180 (:						
Glades Area	R&R Throughout the Glades	Repair/Reconstruction	700 C		700 C	;	700	С	700	С	700	С
Gun Club Rd.	Forest Estates Drive to LWDD E-3 Canal	0.5 mi., 3 L			100 F	/M			2,340	С		
Hagen Ranch Rd.	Atlantic Ave.	Intersection Improvements	500 D/R	R/C								
Happy Hollow Rd.	Smith Sundy Rd. to Lyons Rd.	0.5 mi, 2 L	700 R		650 C	;						
Harbor Rd	19660 Harbor Rd. to Harbor Rd. N.	Seawall Repair/Slope Stabilization			400 C	;						
Hypoluxo Rd.	Jog Rd.	Intersection Improvements			1,100 0	;						
Kirk Rd.	LWDD L-7 Canal to Summit Blvd.	0.5 mi, 3/5 L			100 F	/M			3,200	С		
Kirk Rd.	Summit Blvd. to Gun Club Rd.	0.8 mi, 3/5 L	620 D/R	R/M			100	R/M			4,000	С
Lake Worth Rd.	Jog Rd.	Intersection Improvements	630 C									
Lantana Rd.	Edgecliff Ave.	Intersection Improvements	350 C									
Lawrence Rd.	S. of Ponza Place to Lantana Road	0.8 mi, 3 L	100 R				2,200	С				
Linton Blvd.	Military Tr.	Intersection Improvements	2,100 C									
Loxahatchee River Road	SFWMD C-18 Canal	Slope Stabilization	1,500 C									
Lyons Rd.	S. of LWDD L-38 Canal to Atlantic Ave.	2.1 mi, 4 L	10,600 C									
Lyons Rd.	N. of LWDD L-30 Canal to Boynton Beach Blvd.	3.0 mi, 4 L	1,900 D/R	R/M			100	R/M			7,700	С
Lyons Rd.	N. of L.W.D.D. L-14 Canal to Lake Worth Rd.	1.1 mi, 4 L	6,900 R/C	;								
Lyons Rd.	Lake Worth Rd. to S. of L.W.D.D. L-11 Canal	0.5 mi, 3 L	2,900 C									
Lyons Rd.	S. of L.W.D.D. L-11 Canal to N. of L.W.D.D. L-10 Canal	0.6 mi, 2/3 L									100	P
Lyons Rd./Sansbury's Way	Forest Hill Blvd. to Okeechobee Blvd.	Buffered Bike Lanes									1,100	P
Mack Dairy Rd.	Indiantown Rd. to Old Indiantown Rd.	0.7 mi., 2 L	1,230 C									
Melaleuca Lane	Jog Rd.	Intersection Improvements	550 D				500	R			2,300	С
Miner Rd.	Military Trail to Lawrence Rd.	0.6 mi, 3 L	10 D		750 E	/R/M			500	R/M		
Northlake Blvd.	E. of Seminole Pratt Whitney Rd. to E. of Hall Blvd.	1.0 mi, 4 L	7,000 C									
Northlake Blvd.	E. of Hall Blvd. to Coconut Blvd.	2.4 mi, 4 L	1,000 C		3,000 0	;	5,200	С				
Okeechobee Blvd.	Jog Road	Intersection Improvements	270 D				600	R			900	С
Okeechobee Blvd.	Haverhill Rd.	Intersection Improvements	150 D/R	R/M			650	С				
Okeechobee Blvd.	Church St.	Intersection Improvements	1,200 C									
Old Dixie Hwy.	Yamato Rd. to Linton Blvd.	3.0 mi, 3 L	1,000 D/R	R/M	7,000 F				12,000	С		
Palmetto Park Rd.	Lyons Rd.	Intersection Improvements			100 F	<u> </u>			900	С		



Exhibit 4: 2040 Volumes





Palm Beach MPO 2040 Cost Feasible Volumes

In the proceeding table, the Palm Beach MPO produces and publishes "adjusted" traffic volumes derived from Southeast Florida Regional Planning Model (SERPM) output network files. The MPO's adopted 2040 Long Range Transportation Plan (LRTP) was developed using SERPM 6.5, a traditional 4-step model. SERPM 7 is an activity-based model and the region's currently supported modeling platform, but was released after the conclusion of the LRTP process.

During model development, transportation models are calibrated to a base year using existing counts. SERPM 6.5 uses a 2005 base year and counts, while SERPM 7 is calibrated to 2010. Adjustments to forecasted 2040 output volumes occur when the base year network outputs differ from observed counts at a particular link. Adjustments are increased or decreased depending on the difference and rounded to the nearest hundred.

SERPM 7.062+ seeks to incorporate adopted land use designations as of the release date (June 30, 2016) and includes projects like Minto West, Avenir, and Watertower Commons along with any transportation network commitments they have made (for example a new 4 lane connector road from Northlake Blvd to Beeline Highway). For additional information, please visit www.fsutmsonline.net

Ctation	Post turn	F	T-	0	Cost Feasible Lanes	Observed 2005 Counts	Observed 2010 Counts	Observed 2015 Counts	2040 SERPM 6.5 Adjusted Volume	2040 SERPM7+ Adjusted Volume
Station 5210	Roadway I-95	From Atlantic Ave	Woolbright Rd	Owner FDOT	10X	168,268	173,372	0	237.600	202.000
5208	I-95	Woolbright Rd	Boynton Beach Blvd	FDOT	10X	170,303	200,500	0	251,700	227,600
4222	I-95	Boynton Beach Blvd	Gateway Blvd	FDOT	10X	159,770	198,500	0	259,100	225,700
3218	I-95	Gateway Blvd	Hypoluxo Rd	FDOT	10X	142,414	194,500	213,527	197,400	223,500
4220	1-95	Hypoluxo Rd	Lantana Rd	FDOT	10X	157,728	208,000	0	210,000	244,700
4218	I-95	Lantana Rd	6th Ave N	FDOT	10X	161,347	205,500	204,725	219,800	243,100
4216	1-95	6th Ave N	10th Ave N	FDOT	10X	177,036	207,391	200,011	238,900	245,200
3214	I-95	10th Ave N	Forest Hill Blvd	FDOT	10X	162,361	193,500	0	224,500	231,500
3216	1-95	Forest Hill Blvd	Southern Blvd	FDOT	10X	172,757	195,000	240,113	239,700	235,000
3212	1-95	Southern Blvd	Belvedere Rd	FDOT	10X	161,032	158,000	205,661	228,500	193,900
3210	1-95	Belvedere Rd	Okeechobee Bl	FDOT	10X	173,346	190,500	226,407	240,200	231,900
3208	1-95	Okeechobee Bl	Palm Beach Lakes Blvd	FDOT	10X	152,966	165,028	0	196,600	205,500
3206	1-95	Palm Beach Lakes Blvd	45th St	FDOT	10X	145,437	184,399	216,136	185,800	224,900
2206	I-95	45th St	Blue Heron Blvd	FDOT	10X	167,246	152,500	0	213,700	213,400
2204	1-95	Blue Heron Blvd	Northlake Blvd	FDOT	10X	134,280	N/A	0	165,600	201,000
2202	I-95	Northlake Blvd	PGA Blvd	FDOT	10X	115,395	148,500	161,912	155,800	204,200
2610	I-95	PGA Blvd	Military Tr	FDOT	10X	99,721	N/A	0	123,000	147,400
2200	I-95	Military Tr	Central Blvd	FDOT	10X	96,304	N/A	127,954	119,800	153,800
	I-95	Central Blvd	Donald Ross Rd	FDOT	10X	N/A	N/A	N/A	N/A	133,700
1204	I-95	Donald Ross Rd	Indiantown Rd	FDOT	10X	93,406	87,000	0	114,400	126,200
1200	I-95	Indiantown Rd	Martin County Line	FDOT	6X	75,861	66,000	79,545	121,200	91,000
1605	INDIAN CREEK BLVD	Central Blvd	Military Tr	PBC	4D	8,988	11,279	12,329	18,100	14,400
1615	INDIAN CREEK BLVD	Toney Penna Dr	Maplewood Dr	PBC	4D	20,727	20,300	17,785	35,300	28,800
1613	INDIAN CREEK PKWY	Central Blvd	Maplewood Dr	PBC	4D	16,530	17,333	17,955	27,000	25,600
1405	INDIANTOWN RD	Bee Line Hwy	Pratt-Whitney Rd	PBC	2	2,058	1,588	1,763	9,000	1,800
1403	INDIANTOWN RD	Pratt-Whitney Rd	130th Ave N	PBC	4	5,427	4,678	4,985	23,200	11,300
1409	INDIANTOWN RD	130th Ave N	Alexander Run	PBC	4D	N/A	N/A	14,485	24,900	24,700
1407	INDIANTOWN RD	Alexander Run	Jupiter Farms Rd	PBC	4D	23,149	20,546	22,332	34,800	28,700
1103	INDIANTOWN RD	Jupiter Farms Rd	Florida Turnpike	PBC	6D	30,925	30,304	28,879	45,300	47,000
1201	INDIANTOWN RD	Florida Turnpike	I-95 Interchange	FDOT	6D	49,557	36,761	48,380	78,600	70,400
1213	INDIANTOWN RD	I-95 Interchange	Island Way	FDOT	6D	58,622	52,916	61,281	78,700	72,500
1617	INDIANTOWN RD	Island Way	Central Blvd	FDOT	6D	N/A	N/A	60,253	46,500	64,000
1203	INDIANTOWN RD	Central Blvd	Center St	FDOT	6D	53,810	47,768	53,551	65,500	59,100
1601	INDIANTOWN RD	Center St	Military Tr	FDOT	6D	49,724	44,078	46,587	55,800	54,700
1209	INDIANTOWN RD	Military Tr	SR 811	FDOT	6D	41,434	40,387	42,614	47,800	56,100
1807	INDIANTOWN RD	SR 811	US 1	FDOT	6D	32,354	31,607	33,744	38,900	42,400
1811	INDIANTOWN RD	US 1	SR A1A	PBC	4	13,683	15,450	16,998	15,300	17,100
2215	INVESTMENT LN	Military Tr	Garden Rd	PBC	2	N/A	8,299	9,569	14,400	10,400
	ISLAND WAY	Central Blvd	Indiantown Rd	JUP	2	N/A	N/A	#N/A	12,000	12,500
1620	ISLAND WAY	Indiantown Rd	Church St	JUP	4D	N/A	8,279	14,149	14,800	18,000
6618	JOG RD	Glades Rd	Potomac Rd	PBC	4D	32,533	27,978	33,018	41,400	34,100
6634	JOG RD	Potomac Rd	Yamato Rd	PBC	4D	33,100	27,992	33,030	38,600	34,300
6616	JOG RD	Yamato Rd	Clint Moore Rd	PBC	6D	35,230	28,584	35,206	50,600	36,500
6200	JOG RD	Clint Moore Rd	C-15 Canal	PBC	6D	40,921	31,497	33,990	52,400	38,100
5622	JOG RD	C-15 Canal	Linton Blvd	PBC	6D	33,218	29,888	33,918	42,700	36,200
5620	JOG RD	Linton Blvd	Normandy Ln	PBC	6D	44,546	33,935	38,158	59,100	45,100
5616	JOG RD	Normandy Ln	Atlantic Ave	PBC	6D 6D	44,315	36,423	41,228	58,300	48,100
5642	JOG RD	Atlantic Ave	Lake Ida Rd	PBC	60	33,623	28,947	31,958	44,500	32,000





Juan F. Ortega

From: Quazi Bari <QBari@pbcgov.org>
Sent: Tuesday, March 19, 2019 3:39 PM
Lisa Amara A.; Juan F. Ortega

Cc: Brian K. Terry RLA LEED AP (brianterry@insitestudio.com)

Subject: RE: Indiantown Soccer Complex

Fine by me. Will be conditioned to the proposed soccer field intensity or equivalent.

Quazi Bari, P.E. | Senior Professional Engineer | Traffic Division

2300 N. Jog Road, West Palm Beach, FL 33411

T: 561.684.4030 | gbari@pbcgov.org

From: Lisa Amara A. <LAmara@pbcgov.org> Sent: Tuesday, March 19, 2019 3:31 PM

To: Juan F. Ortega < juan.ortega@jfogroupinc.com>

Subject: RE: Indiantown Soccer Complex

Yes, that looks fine unless Quazi has any issues.

Lisa Amara, Principal Planner Palm Beach County Planning Division

2300 N Jog Rd ◆ West Palm Beach, FL 33411 Direct 561-233-5334 ◆ Main 561-233-5300 http://discover.pbcgov.org/pzb/planning

From: Juan F. Ortega < juan.ortega@jfogroupinc.com>

Sent: Tuesday, March 19, 2019 3:29 PM **To:** Lisa Amara A. <<u>LAmara@pbcgov.org</u>>

Cc: Brian K. Terry RLA LEED AP (brianterry@insitestudio.com; Quazi Bari < QBari@pbcgov.org

Subject: Indiantown Soccer Complex

Good afternoon Lisa, I'm working with Brian Terry on a FLUA amendment for PCN 00-41-41-02-00-000-1020 from RR-10 to Commercial Recreation. The intent of the amendment is to have a maximum of six (6) soccer fields on site along with limited amenities.

Brian is meeting with PBC Planning on 04/02 which I believe going to take the place of the pre-app meeting. Since that meeting is so close to the 04/05 Traffic deadline, I was wondering if you could please review the attached form and let me know if you are ok with it for me to use in the Policy 3.5-d analysis.

Thank you!



Dr. Juan F. Ortega, PE JFO GROUP INC

11924 Forest Hill Blvd, Ste 10A-123, Wellington, FL 33414 T: (561) 512-7556 • F: (561) 423-2345

Juan.Ortega@jfogroupinc.com



2019 FUTURE LAND USE ATLAS AMENDMENT APPLICATION

Part 1. Amendment Data

Instructions are provided in italics. Delete the italicized instructions and replace with non-italicized information. Do not use acronyms. Do not use "N/A" (not applicable). Any references to an attachment must include a summary of that attachment within the tables.

A. Amendment Data

Round	20-A	Intake Date	April 5			
Application Name	Soccer Park	Concurrent?	Yes			
Acres	19.462	Text Amend?	Yes or No			
PCNs	00-41-41-02-00-000-1020					
Location	Southwest corner of Indiantown Road and mile West of Jupiter Farms Road.	and Rocky Pines Road approximately one				
	Current	Proposed				
Tier	Rural	No Change				
Use	Vacant	Athletic Fields				
Zoning	AR	CRE				
Future Land Use Designation	RR-10	Commercial Recreation				
Underlying Future Land Use Designation	Not Applicable	RR				
Conditions	Not Applicable	TBD				

B. Development Potential

Provide math for each item as indicated (eg. $5 \text{ du/acre } \times 3 \text{ acres} = 15 \text{ units}$)

	Current FLU	Proposed FLU
Density/ Intensity:	1 unit per 10 acres	0.05 FAR
Maximum Dwelling Units¹ (residential designations)	0.1 du/acre x 19.462 ac. = 1.95	Not Applicable
Maximum Beds (for CLF proposals)	Not Applicable	Not Applicable
Population Estimate	1 max du x 2.39 = 2.39	Not Applicable
Maximum Square Feet ^{2, 4} (non-residential designations)	Not Applicable	0.05 FAR x 19.462 ac. = 42,388 SF
Proposed or Conditioned Potential 3, 4	Not Applicable	6 Soccer Fields plus maintenance / office / restroom facilities.
Max Trip Generator	ITE Code 210: Single Family Detached	ITE 488: Soccer Complex

	10 Trips/DU	71.33 Trips/Field
Maximum Trip Generation	10	428
Net Daily Trips:	(maximum minus current) (proposed minus current)	
Net PH Trips:	5 AM,99 PM (maximum) 5 AM,99 PM (proposed)	

- 1. Maximum units per acre see Future Land Use Element Table III.C.1;
- 2. Maximum FAR see FLUE Table III.C.2 for FAR. If the site's acreage is large enough to be a planned development, utilize the PDD maximum whether or not a PDD is proposed. If the site's acreage does not meet the minimum PDD thresholds, the non-PDD maximum may be utilized.
- 3. For applications with a voluntary condition for a maximum development potential and use which will become binding in the adopting ordinance;
- 4. FLUA Amendments with a concurrent zoning application must calculate maximum development potential at the typical use & trip generation (eg. General Retail for Commercial future land uses) and in addition, calculate the trip generation for the actual proposed zoning application.

