

KBP CONSULTING, INC.

April 21, 2022

Ms. Anthea Gianniotis, AICP
Development Services Director
City of Delray Beach
100 NW 1st Avenue
Delray Beach, FL 33444

**Re: Proposed Automotive Site – Delray Beach, Florida
Traffic Statement for Rezoning Application – REVISED**

Dear Anthea:

There are seven (7) vacant parcels of land located on the east side of N. Federal Highway (US 1 / State Road 5) approximately 900 feet south of Gulfstream Boulevard in Delray Beach, Palm Beach County, Florida. More specifically, the subject parcels are located at 2419 through 2613 N. Federal Highway and the Parcel Control Numbers are:

- 12-43-46-04-08-000-0351
- 12-43-46-04-08-000-0352
- 12-43-46-04-08-000-0300
- 12-43-46-04-08-000-0310
- 12-43-46-04-08-000-0320
- 12-43-46-04-08-000-0330
- 12-43-46-04-08-000-0340

The total land area of these parcels is approximately 191,150 square feet (+/- 4.39 acres) and the current zoning of these parcels is General Commercial (GC). There is a conceptual plan to develop an automobile dealership on this site which will necessitate a zoning change to Automotive Commercial (AC). The maximum allowable Floor Area Ratio (FAR) for the GC land use is 3.0 which yields 573,450 square feet. The maximum allowable FAR for the AC land use is 1.0 (191,150 square feet). The purpose of this technical memorandum (i.e. traffic statement) is to document the trip generation characteristics of the current and proposed zoning designations. A project location map is presented in Attachment A to this memorandum and the site surveys are presented in Attachment B.

Trip Generation Analysis

Consistent with the foregoing description of the current and the proposed zoning designations for the subject site, a trip generation analysis has been conducted utilizing the trip generation rates and equations contained in Palm Beach County's Trip Generation Rates table which is based upon the Institute of Transportation Engineer's (ITE) *Trip Generation Manual (10th Edition)*. According to the subject Palm Beach County table and ITE manual, the most appropriate land use categories for this analysis are Land Use #820 – General Commercial and Land Use #840 – Automobile Sales (New). The trip generation rates / equations used to determine the number daily vehicle trips associated with this analysis are presented on the following page.

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General Commercial (Shopping Center) – ITE Land Use #820

- Daily: $\text{Ln}(T) = 0.68 \text{ Ln}(X) + 5.57$
where $T = \text{number of trips}$ and $X = 1,000 \text{ square feet of gross leasable area}$
- Pass-By: $83.18 - 9.30 \text{ Ln}(A)$

Automobile Sales (New) – ITE Land Use #840

- Daily: $T = 27.84 (X)$
where $T = \text{number of trips}$ and $X = 1,000 \text{ square feet of gross floor area}$
- Pass-By: 15%

Table 1 below summarizes the trip generation characteristics for the current and proposed zoning designations associated with the subject site in Delray Beach, Florida. Palm Beach County trip generation rates and relevant excerpts from the referenced ITE manual are presented in Attachment C to this memorandum.

Table 1 Trip Generation Summary Automotive Site - Delray Beach, Florida		
Zoning	Size	Daily Trips
<i>Current</i> General Commercial <i>Pass-By (-24.11%)</i>	573,450 SF	19,715 <i>(4,753)</i>
Sub Total		14,962
<i>Proposed</i> Automotive Sales (New) <i>Pass-By (-15%)</i>	191,150 SF	5,322 <i>(798)</i>
Sub Total		4,524
Difference (Proposed - Current)		(10,438)

Compiled by: KBP Consulting, Inc. (April 2022).

Source: Palm Beach County Traffic Division & ITE Trip Generation Manual (10th Edition).

As indicated in Table 1 above, the proposed zoning designation (Automotive Commercial) is estimated to generate 4,524 net daily vehicle trips and the current zoning designation (General Commercial) is estimated to generate 14,962 net daily vehicle trips. As such, the proposed zoning designation is projected to generate 10,438 fewer daily vehicle trips when compared with the current zoning designation.

Current ADT Volumes

Consistent with the City's Code relative to traffic statements for rezoning applications, the current (latest) daily traffic volumes have been obtained from Palm Beach County. According to the latest (2020) approved traffic volume report, US 1 / N. Federal Highway in the immediate vicinity of the subject site has a daily traffic volume of 25,281 vehicles.

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Conclusions

The trip generation analysis for the proposed rezoning (from GC to AC) of property located at 2419 through 2613 N. Federal Highway in Delray Beach, Florida indicates that the proposed zoning designation will generate 10,438 fewer daily vehicle trips when compared with the current zoning designation.

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,

KBP CONSULTING, INC.

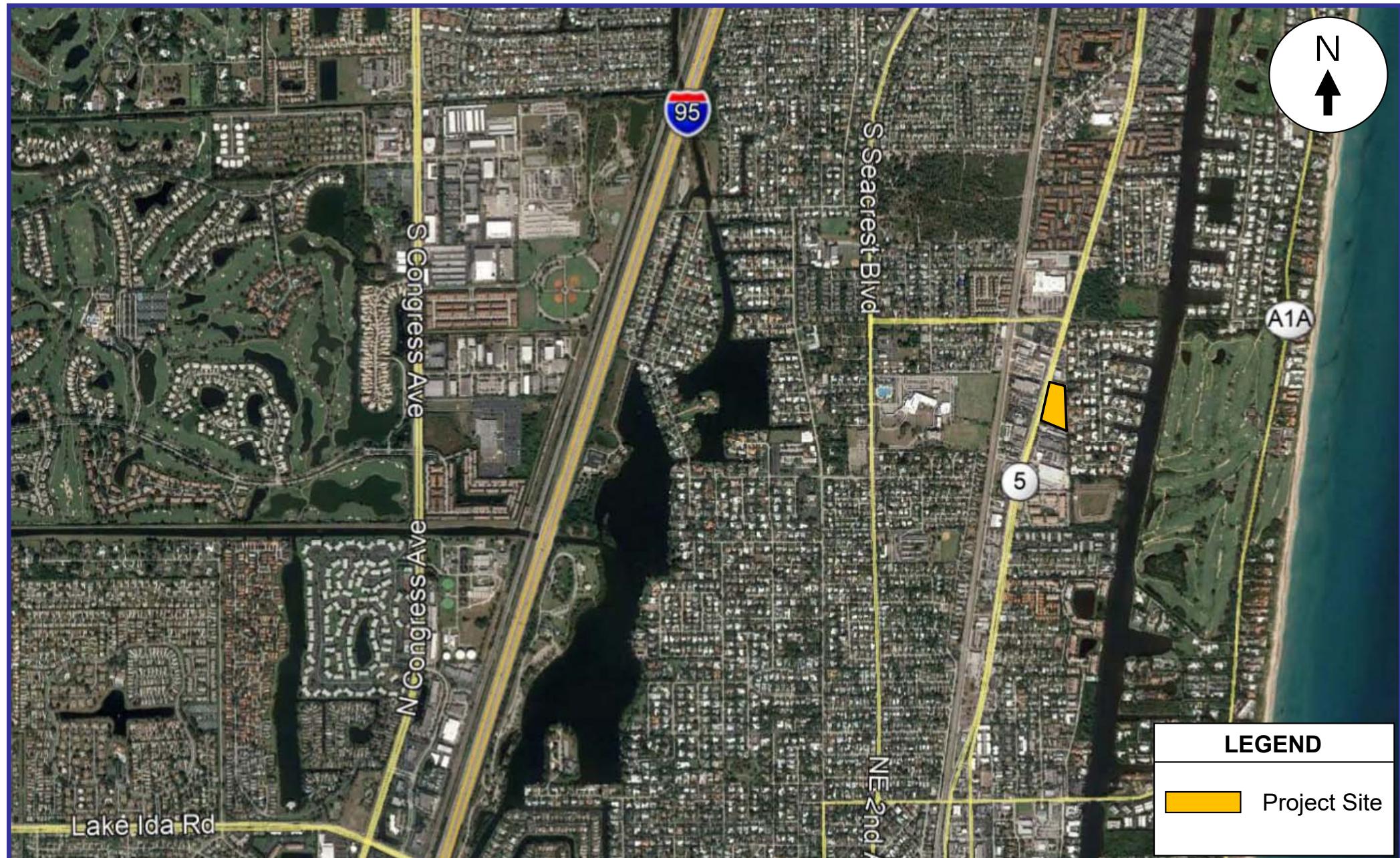


Karl B. Peterson, P.E.
Florida Registration Number 49897
Engineering Business Number 29939

Attachment A

Proposed Automotive Site – Delray Beach, Florida

Project Location Map



Attachment B

Proposed Automotive Site – Delray Beach, Florida

Site Surveys

ALTA/ACSM SURVEY

LEGEND:

= CENTERLINE

L.M. = WATER METER

H. = FIRE HYDRANT

V. = GATE VALVE

SMH = SANITARY SEWER MANHOLE

ONC = CONCRETE

O. = SANITARY SEWER CLEAN OUT

LOOD ZONE: X
COMMUNITY PANEL NO. 125102
AP NO.: 12099C0977F
EFFECTIVE DATE: OCTOBER 5, 2017

NOTE: ALL BOUNDARY LINES AND ANGULAR DIMENSIONS ARE PLAT AND SURVEY UNLISTED OTHERWISE.

ALL DIMENSIONS SHOWN HEREON ARE BASED
ON THE STANDARD U.S. FOOT.

F CLOSURE OF 1 FOOT IN 10,000 FEET AS REQUIRED FOR COMMERCIAL/HIGH RISK PROPERTY CLOSURE WAS ACHIEVED BASED ON REDUNDANCY OF MEASUREMENTS FOR HORIZONTAL AND ANGULAR DIMENSIONS.

NO SUBSURFACE SEARCH WAS MADE FOR
UNDERGROUND FOOTERS

DESCRIPTION:
OTS 31, 32, 33, 34 AND 35, DELRAY BEACH,
STATES, ACCORDING TO THE PLAT THERE
RECORDED IN PLAT BOOK 21, PAGE 13, PU
RECORDS OF PALM BEACH COUNTY, FLORIDA.

TITLE NOTES:
THIS SURVEY SHOWS ALL EASEMENTS AND
RIGHTS OF WAY AS SHOWN ON SCHEDULE
F THE AMERICAN LAND TITLE ASSOCIATION
TITLE COMMITMENT NO.: 1173803, DATED
OCTOBER 29, 2021.

PARCEL SUBJECT TO DEDICATIONS AND
RESERVATION AS SHOWN ON PLAT BOOK
PAGE 13

ARCEL SUBJECT TO AGREEMENT FOR WATER SERVICE AS RECORDED IN O.R.B. 3926, PAGE 748 (LOT 33) AND O.R.B. 3380, PAGE 133 (LOT 34).

PARCEL SUBJECT TO CONDITIONS AS CONTAINED
IN RESOLUTION FIXING SETBACKS
REQUIREMENTS AS RECORDED IN DEED BOOK
57, PAGE 618.

NOTE: ALL DOCUMENTS REFERENCED AS
RECORDED IN THE PUBLIC RECORDS OF PA

DEATHS.

MAP OF BOUNDARY SURVEY

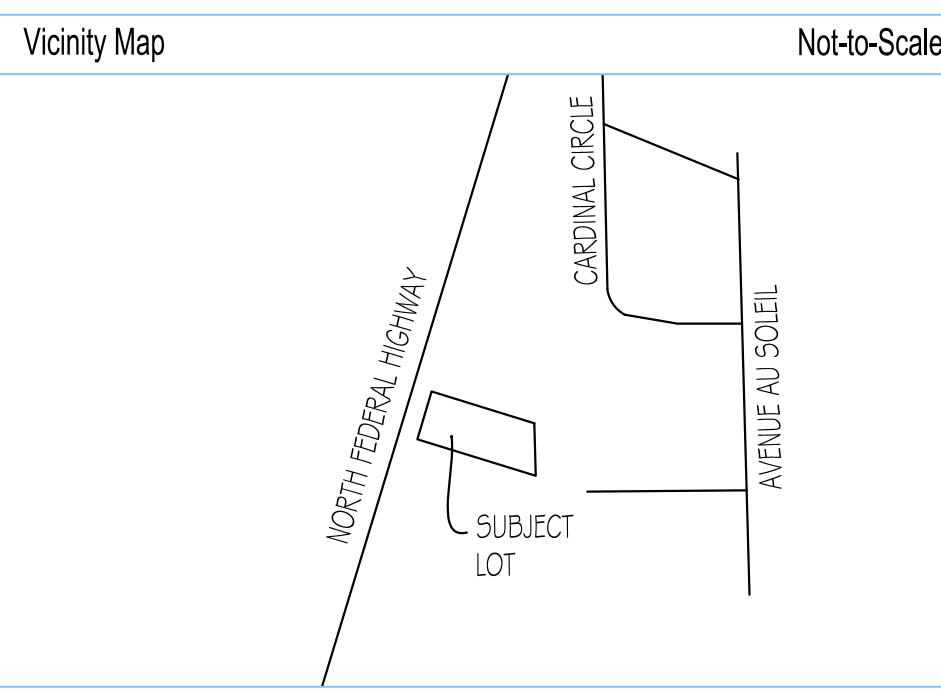
HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CARE AND MEETS THE STANDARDS OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

NOT VALID WITHOUT THE SIGNATURE AND
THE ORIGINAL RAISED SEAL OF A FLORIDA
LICENSED SURVEYOR AND MAPPER.

PAUL D. ENGLE
SURVEYOR & MAPPER

ENGLISH LAND SURVEYING LTD.
LAND SURVEYORS
CERTIFICATE OF AUTHORIZATION #LB8447
SURVEYOR AND MAPPER IN RESPONSIBLE CHARGE: PAUL D.
955 NW 17TH AVENUE, SUITE K-1, DELRAY BEACH, FLORIDA

(561) 276-4501		732-3279	FAX 276-2390
DATE OF SURVEY	SCALE:		
DECEMBER 10, 2021			
FIELD BOOK	PAGE NO.	ORDER NO.	
ELS D-1	6		



Survey Related Information

LEGAL DESCRIPTION:
Lot 30, Block metes and bounds, Delray Beach Estates, as recorded in Plat Book 21, Page(s) 13, according to the plat thereof on file in the office of the Clerk of the Circuit Court in and for Palm Beach County, Florida.

PROPERTY ADDRESS:
2613 NORTH FEDERAL HIGHWAY
DELRAY BEACH, FL 33484

INVOICE NUMBER: 130877-SE
DATE OF FIELD WORK: 11/29/2021

CLIENT FILE:
CERTIFIED TO
PLATINUM TITLE INSURERS, LLC
WESTCOR LAND TITLE INSURANCE COMPANY
ABC JS AUTO IMPORTS, LLC

FLOOD ZONE: x
FLOOD MAP: 12099C
PANEL: 0977
SUFFIX: F
PANEL DATE: 10/05/2017

THIS SURVEY DESCRIBES AND DEPICTS THE SAME LAND AS DESCRIBED IN THE TITLE COMMITMENT AS REFERENCED ABOVE.

Platted Easements, Notable or Adverse Conditions (unplatted easements also listed if provided by client):
IF APPLICABLE, RECIPIENTS OF THIS SURVEY SHOULD REVIEW THE POSITION OF ANY FENCE LINES SHOWN HEREON AND THEIR RELATIONSHIP TO THE BOUNDARY LINE
- 25' BUILDING SET BACK ALONG WESTERLY BOUNDARY LINE AS SHOWN

Surveyor Observed Possible Encroachments

NONE FOUND

3 Flood Information

BY GRAPHIC PLOTTING ONLY. THIS PROPERTY LIES WITHIN ZONE "X" AS SHOWN ON THE FLOOD INSURANCE MAP. COMMUNITY PANEL NO. 120192.0977 F, WHICH BEARS AN EFFECTIVE DATE OF 10/05/2017, AND IS IN MODERATE AND MINIMAL RISK AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE. ZONE "X" DENOTES AREAS DETERMINED TO BE MINIMAL RISK AREAS OUTSIDE THE 1-PERCENT AND 2-PERCENT-ANNUAL-CHANCE FLOODPLANS. NO BFE'S OR BASE FLOOD DEPTHS ARE SHOWN WITHIN THESE ZONES. (ZONE X (UNSHADDED) IS USED ON NEW AND REVISED MAPS IN PLACE OF ZONE C)

7 Surveyors Certificate

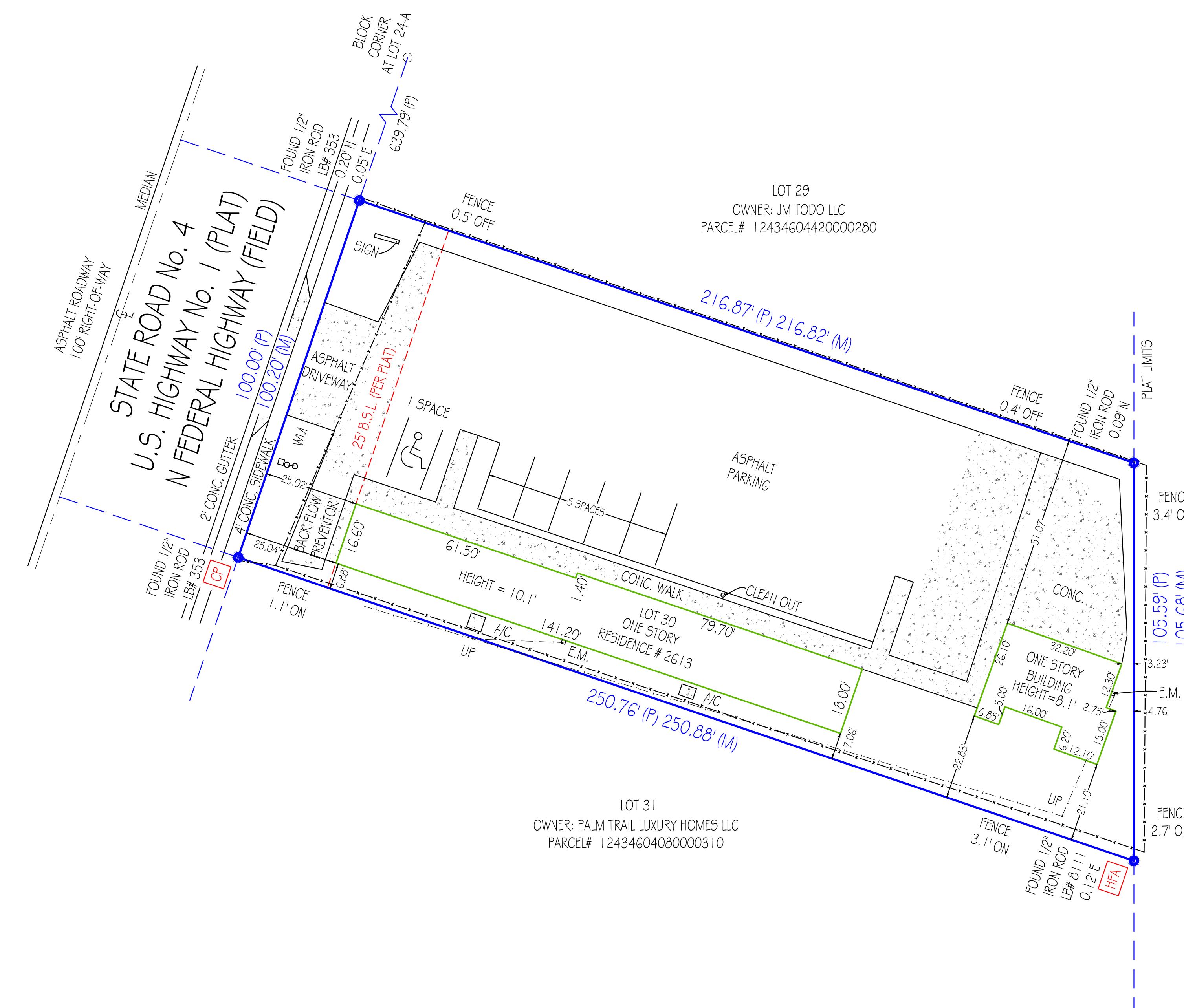
This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Requirements for ALTA/NSPS and Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 2, 3, 4, 6, (a)(b) (NO REPORT PROVIDED), 7(a)(b)(c), 8, 9, 13, 14, 16, & 17, of Table A thereof. The field work was completed on _____ Date of Plat or Map: _____

6Digi Surveyor's Notes

1. THIS SURVEY IS BASED UPON RECORD INFORMATION PROVIDED BY CLIENT. NO SPECIFIC SEARCH OF THE PUBLIC RECORD HAS BEEN MADE BY THIS OFFICE UNLESS OTHERWISE NOTED.
2. AS INDICATED ON THE PLAT, THIS SURVEY IS NOT INTENDED FOR USE IN DESIGN OR CONSTRUCTION.
PURPOSES. RECIPIENTS MUST CONTACT OUR OFFICE FOR APPROVAL PRIOR TO SUCH USE. LANDTEC SURVEYING ASSUMES NO RESPONSIBILITIES FOR ERRORS RESULTING FROM FAILURE TO ADHERE TO THIS CLAUSE.
3. ANY FENCES SHOWN HEREON ARE ILLUSTRATIVE OF THEIR GENERAL POSITION ONLY. FENCE TIES SHOWN ARE TO GENERAL CENTERLINE OF FENCE. THIS OFFICE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM THE REMOVAL OF, OR CHANGES MADE TO, ANY FENCE SHOWN HEREON.
4. GRAPHIC REPRESENTATIONS MAY HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE MEASURED RELATIONSHIPS. DIMENSIONS SHALL HAVE PRIORITY OVER SCALED POSITIONS.
5. UNDERGROUND IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT AS SPECIFICALLY SHOWN.
6. ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D. 1988) OR NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988) AS SHOWN ON SHEET 1.
7. ALL BOUNDARY AND CONTROL DIMENSIONS SHOWN ARE FIELD MEASURED AND CORRESPOND TO RECORD INFORMATION UNLESS SPECIFICALLY NOTED OTHERWISE.
8. ALL CORNERS SHOWN AS "SET" HAVE EITHER BEEN SET ON THE DATE OF FIELD WORK, OR WILL BE SET WITHIN 5 BUSINESS DAYS OF SAID DATE AND ARE IDENTIFIED WITH A CAP MARKED LS (LICENCED SURVEYOR #0639).

ALTA/NSPS LAND TITLE BOUNDARY SURVEY

ALL BOUNDARY MONUMENTS SHOWN HEREON HAVE BEEN COMPUTED TO MEET OR EXCEED A 95% CONFIDENCE LEVEL WITH REGARD TO RELATIVE POSITIONAL PRECISION



OWNER: LAMPERT PHYLLIS ET. ALL
PARCEL# 20434604220000150

SCHEDULE B-II TITLE COMMITMENT REVIEW FINDINGS
PER TITLE COMMITMENT ISSUED BY WESTCORE
LAND TITLE ASSOCIATION
DATED 11/29/2021 AT 8:00 A.M.
AGENT FILE #: 21-0409

ITEM NO.	COMMENTS
1	DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHED SUBSEQUENT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THIS SURVEY WAS MADE, WHICH AFFECT THE VALUE OF RECORD THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT. (NOT A SURVEY MATTER HEREON).
2	RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (DOCUMENTS NOT PROVIDED).
3	ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION, OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE AND COMPLETE SURVEY OF THE LAND. THE TERM "ENCROACHMENT" INCLUDES ENCROACHMENTS OF EXISTING IMPROVEMENTS LOCATED ON THE LAND OWNED BY THE LANDOWNER AND ENCROACHMENTS ON THE LAND OF EXISTING IMPROVEMENTS LOCATED ON THE ADJACENT LAND. (AFFECTS AS SHOWN - IF ANY).
4	EASEMENT OR CLAIMS OF EASEMENT NOT SHOWN BY THE PUBLIC RECORDS. (DOCUMENTS NOT PROVIDED).
5	TAXES OR SPECIAL ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LEADS BY THE PUBLIC RECORDS. (NOT A SURVEY MATTER HEREON).
6	TAXES AND ASSESSMENTS FOR THE YEAR 2021 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. (NOT A SURVEY MATTER HEREON).
7	TAXES FOR THE YEAR 2021 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. (NOT A SURVEY MATTER HEREON).
8	ANY LEIN PROVIDED BY CHAPTER 159, FLORIDA STATUTES, OR BY THE VILLAGE, TOWN, VILLAGE OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES FOR SERVICE BY ANY WATER, SEWER OR GAS SYSTEM SUPPLYING THE INSURED LAND. (NOT A SURVEY MATTER HEREON).
9	RESTRICTIONS, RESERVATION, SETBACKS AND EASEMENTS, IF ANY, AS INDICATED AND/OR SHOWN ON THAT CERTAIN PLAT RECORDED IN PLAT BOOK 21, AT PAGE(S) 13, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA. (AFFECTS AS SHOWN - IF ANY).
10	ORDINANCE NO. 12-24 RECORDED IN OFFICIAL RECORDS 8653, PAGE 527, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA. (NOT A SURVEY MATTER HEREON).
11	ANNEXATION AND DEVELOPMENT AGREEMENT RECORDED IN OFFICIAL RECORDS BOOK 853, PAGE 1675, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA. (NOT A SURVEY MATTER HEREON).
12	EXISTING UNRECORDED EASESTS AND ALL RIGHT THIRDBURNER OF THE LESSEES AND OF ANY PERSON CLAIMING BY, THROUGH OR UNDER LESSEES. (NOT A SURVEY MATTER HEREON).

LEGEND
DENOTES EXCEPTION NUMBER

4 Land Area	9 Parking Spaces	5F Cemetery Note	5Bii Access to Property	Symbols (Some items in legend may not appear on drawing - Not to Scale)	Abbreviation Legend (Some items in legend may not appear on drawing)	Job Number: 130877-SE	Field: J. Dimiceli	Date	Revision	Tech
2381.65± SQUARE FEET	0.58± ACRES	REGULAR = 5 HANDICAP = 1 TOTAL = 6	THERE ARE NO VISIBLE EVIDENCE OF CEMETERIES ON THE SUBJECT PROPERTY.	Line types	Drawn By: S. Guerrero	Date of Field Work: 11/29/2021				
			6Biv Bearing Basis	CA or AL = ARC LENGTH	Date	Revision	Tech			
			NONE. RECORD INFORMATION RELIANT UPON ANGULAR DATA ONLY. ALL ANGULAR DATA SHOWN HEREON REFERENCED THERETO.	CA = CENTRAL ANGLE	EL or ELEV = ELEVATION	PI = POINT OF INTERSECTION	R = RADIUS			
			6Bvii Contiguity Statement	CATV = CABLE TV RISER	EM = ELECTRIC METER	PT = POINT OF TANGENCY	SEC = SECTION			
			THE PARCEL CONTAINED IN THE LEGAL DESCRIPTION ARE CONTIGUOUS WITHOUT ANY GAPS, GORES OR OVERLAPS UNLESS SHOWN HEREON.	CF = CALCULATED FROM FIELD	FIR = FOUND IRON ROD	PC = POINT OF CURVE	TWP = TOWNSHIP			
			6Cvii Platted Setback or Recorded Building Restriction Lines	CR = CALCULATED FROM RECORD	FN = FOUND NAIL	PRC = POINT OF REVERSE CURVE	RNG = RANGE			
			NONE PROVIDED TO THIS SURVEYOR.	CR = CALCULATED FROM RECORD	FD = FOUND	PCC = POINT OF COMPOUND CURVE	QTR = QUARTER			
			6Dvii Surveyor's Notes	CH = CHORD DISTANCE	W = MEASURED	POB = POINT OF BEGINNING	TR = TELEPHONE RISER			
			1. THIS SURVEY IS BASED UPON RECORD INFORMATION PROVIDED BY CLIENT. NO SPECIFIC SEARCH OF THE PUBLIC RECORD HAS BEEN MADE BY THIS OFFICE UNLESS OTHERWISE NOTED. 2. AS INDICATED ON THE PLAT, THIS SURVEY IS NOT INTENDED FOR USE IN DESIGN OR CONSTRUCTION. PURPOSES. RECIPIENTS MUST CONTACT OUR OFFICE FOR APPROVAL PRIOR TO SUCH USE. LANDTEC SURVEYING ASSUMES NO RESPONSIBILITIES FOR ERRORS RESULTING FROM FAILURE TO ADHERE TO THIS CLAUSE. 3. ANY FENCES SHOWN HEREON ARE ILLUSTRATIVE OF THEIR GENERAL POSITION ONLY. FENCE TIES SHOWN ARE TO GENERAL CENTERLINE OF FENCE. THIS OFFICE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM THE REMOVAL OF, OR CHANGES MADE TO, ANY FENCE SHOWN HEREON. 4. GRAPHIC REPRESENTATIONS MAY HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE MEASURED RELATIONSHIPS. DIMENSIONS SHALL HAVE PRIORITY OVER SCALED POSITIONS. 5. UNDERGROUND IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT AS SPECIFICALLY SHOWN. 6. ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D. 1988) OR NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988) AS SHOWN ON SHEET 1. 7. ALL BOUNDARY AND CONTROL DIMENSIONS SHOWN ARE FIELD MEASURED AND CORRESPOND TO RECORD INFORMATION UNLESS SPECIFICALLY NOTED OTHERWISE. 8. ALL CORNERS SHOWN AS "SET" HAVE EITHER BEEN SET ON THE DATE OF FIELD WORK, OR WILL BE SET WITHIN 5 BUSINESS DAYS OF SAID DATE AND ARE IDENTIFIED WITH A CAP MARKED LS (LICENCED SURVEYOR #0639).	CO = CLEAUNOUT	POC = POINT OF COMMENCEMENT	UE = UTILITY EASEMENT				
			6Eii Surveyor's Notes	CONC = CONCRETE	OHC = OVERHEAD CABLE	PH = POOL HEATER	UP = UTILITY POLE			
			1. THIS SURVEY IS BASED UPON RECORD INFORMATION PROVIDED BY CLIENT. NO SPECIFIC SEARCH OF THE PUBLIC RECORD HAS BEEN MADE BY THIS OFFICE UNLESS OTHERWISE NOTED. 2. AS INDICATED ON THE PLAT, THIS SURVEY IS NOT INTENDED FOR USE IN DESIGN OR CONSTRUCTION. PURPOSES. RECIPIENTS MUST CONTACT OUR OFFICE FOR APPROVAL PRIOR TO SUCH USE. LANDTEC SURVEYING ASSUMES NO RESPONSIBILITIES FOR ERRORS RESULTING FROM FAILURE TO ADHERE TO THIS CLAUSE. 3. ANY FENCES SHOWN HEREON ARE ILLUSTRATIVE OF THEIR GENERAL POSITION ONLY. FENCE TIES SHOWN ARE TO GENERAL CENTERLINE OF FENCE. THIS OFFICE WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM THE REMOVAL OF, OR CHANGES MADE TO, ANY FENCE SHOWN HEREON. 4. GRAPHIC REPRESENTATIONS MAY HAVE BEEN EXAGGERATED TO MORE CLEARLY ILLUSTRATE MEASURED RELATIONSHIPS. DIMENSIONS SHALL HAVE PRIORITY OVER SCALED POSITIONS. 5. UNDERGROUND IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT AS SPECIFICALLY SHOWN. 6. ELEVATIONS ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D. 1988) OR NORTH AMERICAN VERTICAL DATUM (N.A.V.D. 1988) AS SHOWN ON SHEET 1. 7. ALL BOUNDARY AND CONTROL DIMENSIONS SHOWN ARE FIELD MEASURED AND CORRESPOND TO RECORD INFORMATION UNLESS SPECIFICALLY NOTED OTHERWISE. 8. ALL CORNERS SHOWN AS "SET" HAVE EITHER BEEN SET ON THE DATE OF FIELD WORK, OR WILL BE SET WITHIN 5 BUSINESS DAYS OF SAID DATE AND ARE IDENTIFIED WITH A CAP MARKED LS (LICENCED SURVEYOR #0639).	DE = DRAINAGE EASEMENT	P = PLAT	PP = POOL PUMP	WM = WATER METER			
			6Fii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
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			6Vii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Wii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Xii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Yii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Zii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Aii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Bii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Cii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Dii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Eii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
			6Fii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP	WM = WATER METER			
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			6Iii Surveyor's Notes	DEW = DRAINAGE EASEMENT	WV = WATER VALVE	PP = POOL PUMP				

Attachment C

Proposed Automotive Site – Delray Beach, Florida

Palm Beach County Trip Generation Rates

ITE Trip Generation Manual (10th Edition) – Relevant Excerpts

Palm Beach County Trip Generation Rates

(Effective with traffic studies submitted to the County on or after 4/15/2019)

Gr	Landuse	ITE Code	Unit	Daily Rate/Equation	Pass-By %	AM Peak Hour		PM Peak Hour	
						In/Out	Rate/Equation	In/Out	Rate/Equation
Industrial	Light Industrial	110	1000 S.F.	4.96	10%	88/12	0.7	13/87	0.63
	Warehouse	150	1000 S.F.	1.74	10%	77/23	0.17	27/73	0.19
	Flex Space - IND FLU	PBC	1000 S.F.	7.86	10%	64/36	1.53	40/60	1.21
	Flex Space - COM FLU	PBC	1000 S.F.	29.67	45%	72/28	2.12	40/60	2.67
	Mini-Warehouse/SS	151	1000 S.F.	1.51	10%	60/40	0.1	47/53	0.17
Residential	Single Family Detached	210	Dwelling Unit	10	0%	25/75	0.74	63/37	$Ln(T) = 0.96 Ln(X) + 0.20$
	Multifamily Low-Rise Housing upto 2 story (Apartment/Condo/TH)	220	Dwelling Unit	7.32	0%	23/77	0.46	63/37	0.56
	Multifamily Mid-Rise Housing 3-10 story (Apartment/Condo/TH)	221	Dwelling Unit	5.44	0%	26/74	0.36	61/39	0.44
	55+ SF Detached	251	Dwelling Unit	4.27	0%	33/67	0.24	61/39	0.30
	55+ SF Attached	252	Dwelling Unit	3.7	0%	35/65	0.2	55/45	0.26
	Congregate Care Facility	253	Dwelling Unit	2.02	0%	60/40	0.07	53/47	0.18
	Assisted Living Facility	254	Beds	2.6	0%	63/37	0.19	38/62	0.26
Ldg	Hotel	310	Rooms	8.36	10%	59/41	0.47	51/49	0.6
Rec	Movie Theater	444	Seats	1.76	5%	N/A	0	55/45	0.09
	Health Club	492	1000 S.F.	32.93	5%	50/50	1.41	57/43	3.53
Institutional	Elementary School	520	Students	1.89	0%	54/46	0.67	48/52	0.17
	Middle/Junior School	522	Students	2.13	0%	54/46	0.58	49/51	0.17
	High School	530	Students	2.03	0%	67/33	0.52	48/52	0.14
	Private School (K-8)	534	Students	Use Private K-12 rate	0%	55/45	0.91	46/54	0.26
	Private School (K-12)*	536	Students	2.48	0%	61/39	0.80	43/57	0.17
	Church/Synagogue ^a	560	1000 S.F.	6.95	5%	60/40	0.33	45/55	0.49
	Day Care	565	Students	4.09	50%	53/47	0.78	47/53	0.79
	Library	590	1000 S.F.	72.05	10%	71/29	1	48/52	8.16
Med	Hospital	610	1000 S.F.	10.72	10%	68/32	0.89	32/68	0.97
	Nursing Home	620	Beds	3.06	10%	72/28	0.17	33/67	0.22
Office	General Office (>5,000 SF GFA)	710	1000 S.F.	$Ln(T) = 0.97 Ln(X) + 2.50$	10%	86/14	$T = 0.94(X) + 26.49$	16/84	1.15
	Small Office Building (<=5,000 SF GFA)	712	1000 S.F.	16.19	10%	83/18	1.92	32/68	2.45
	Medical Office	720	1000 S.F.	34.8	10%	78/22	2.78	28/72	3.46
	Medical Office (Reduced) ^b	PBC	1000 S.F.	17.4	10%	78/22	1.39	28/72	1.73
	Government Office	730	1000 S.F.	22.59	10%	75/25	3.34	25/75	1.71

Palm Beach County Trip Generation Rates

(Effective with traffic studies submitted to the County on or after 4/15/2019)

Gr	Landuse	ITE Code	Unit	Daily Rate/Equation	Pass-By %	AM Peak Hour		PM Peak Hour	
						In/Out	Rate/Equation	In/Out	Rate/Equation
Retail	Nursery (Garden Center)	817	Acre	108.1	0%	N/A ⁱ	2.82	N/A ⁱ	8.06
	Nursery (Wholesale)	818	Acre	19.5 ^c	0%	N/A ⁱ	0.26	N/A ⁱ	0.45
	Landscape Services	PBC	Acre ^m	121.70	0%	40/60	34.4	58/42	15.1
	Gen. Commercial	820	1000 S.F.	Ln(T) = 0.68 Ln(X) + 5.57 ^d	Note e	62/38	0.94	48/52	Ln(T) = 0.74 Ln(X) + 2.89 ^f
	Automobile Sales (New)	840	1000 S.F.	27.84	15%	73/27	1.87	40/60	2.43
	Automobile Parts Sales	843	1000 S.F.	55.34	28%	55/45	2.59	48/52	4.91
	Tire Store	848	1000 S.F.	28.52	28%	64/36	2.72	43/57	3.98
	Pharmacy + DT	881	1000 S.F.	109.16	50%	53/47	3.84	50/50	10.29
Services	Drive-In Bank ^g	912	1000 S.F.	100.03	47%	58/42	9.5	50/50	20.45
	Quality Restaurant	931	1000 S.F.	83.84	44%	50/50	0.73	67/33	7.8
	High Turnover Sit-Down Rest.	932	1000 S.F.	112.18	43%	55/45	9.94	62/38	9.77
	Fast Food Restaurant w/o DT	933	1000 S.F.	346.23	45%	60/40	25.1	50/50	28.34
	Fast Food Restaurant + DT	934	1000 S.F.	470.95	49%	51/49	40.19	52/48	32.67
	Coffee/Donut Shop w/o DT	936	1000 S.F.	686.67 ^h	45%	51/49	101.14	50/50	36.31
	Coffee/Donut Shop + DT	937	1000 S.F.	820.38	49%	51/49	88.99	50/50	43.38
	Gas Station w/Convenience Store ⁱ	FDOT	FP, 1000 S.F.	14.3*PM Trips	61%	50/50	Note j	50/50	12.3*FP+15.5*(X)
	Carwash (Automated) ^k	PBC	Lane	166.00	0%	50/50	11.97	50/50	13.65

a) Weekend peak hour rate = 9.99 per 1,000 s.f. with a 48/52 directional split

b) To be used only when adjacent to hospital, for Med. Office square footage not to exceed 44% of the hospital square footage

c) Use caution when using because of very low sample data. Consult with the County before using.

d) For intensities under 10,000 s.f., use a rate of 125.61 / 1,000 S.F. instead of the equation.

e) Pass-by percent = 62% for 10,000 s.f. or less, otherwise = 83.18 - 9.30 * Ln(A) where A is 1,000 s.f. of leasable area

f) For intensities under 10,000 s.f., use a rate of 9.9 / 1,000 s.f. instead of the equation.

g) Use these rates for a drive-in bank with up to 4 drive-thru lanes (excl. ATM lane). For additional drive-thru lanes, use per lane rates from ITE Code 912 (124.76 daily, 8.83 AM, 27.15 PM. Use same in/out splits)

h) ITE rate NA. Rate derived using PM to Daily ratio for ITE Code 937

i) FP=Fueling Position. Use both FP and Convenience Store size in estimating trips using the provided equation. Note that no internalization between the gas pumps and convenience store, as per ULDC Article 12, should be applied to estimate the net trips.

j) Use PM rates

k) Daily rate taken from PBC trip gen. study. Peak hour rates derived by applying peak to daily ratios for gas station to daily carwash rate

l) Assume 50/50

m) Landscape Services acreage consists of overnight vehicle and equipment storage as well as areas (covered or uncovered) for chemicals, fertilizers, landscape materials (excluding plants) and other items needed for day-to-day operations. Not included are drive aisles, customer/employee parking, structures shared by nursery and landscape services, facilities that solely serve the onsite landscape activities or any nursery growing areas.

Modification History
 3/26/2019: First published
 3/2/2020: Added Landscape Services, modification history, edited formatting,

Footnotes

Land Use: 820

Shopping Center

Description

A shopping center is an integrated group of commercial establishments that is planned, developed, owned, and managed as a unit. A shopping center's composition is related to its market area in terms of size, location, and type of store. A shopping center also provides on-site parking facilities sufficient to serve its own parking demands. Factory outlet center (Land Use 823) is a related use.

Additional Data

Shopping centers, including neighborhood centers, community centers, regional centers, and super regional centers, were surveyed for this land use. Some of these centers contained non-merchandising facilities, such as office buildings, movie theaters, restaurants, post offices, banks, health clubs, and recreational facilities (for example, ice skating rinks or indoor miniature golf courses).

Many shopping centers, in addition to the integrated unit of shops in one building or enclosed around a mall, include outparcels (peripheral buildings or pads located on the perimeter of the center adjacent to the streets and major access points). These buildings are typically drive-in banks, retail stores, restaurants, or small offices. Although the data herein do not indicate which of the centers studied included peripheral buildings, it can be assumed that some of the data show their effect.

The vehicle trips generated at a shopping center are based upon the total GLA of the center. In cases of smaller centers without an enclosed mall or peripheral buildings, the GLA could be the same as the gross floor area of the building.

Time-of-day distribution data for this land use are presented in Appendix A. For the 10 general urban/suburban sites with data, the overall highest vehicle volumes during the AM and PM on a weekday were counted between 11:45 a.m. and 12:45 p.m. and 12:15 and 1:15 p.m., respectively.

The average numbers of person trips per vehicle trip at the 27 general urban/suburban sites at which both person trip and vehicle trip data were collected were as follows:

- 1.31 during Weekday, AM Peak Hour of Generator
- 1.43 during Weekday, Peak Hour of Adjacent Street Traffic, one hour between 4 and 6 p.m.
- 1.46 during Weekday, PM Peak Hour of Generator

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), British Columbia (CAN), California, Colorado, Connecticut, Delaware, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Maine, Maryland, Massachusetts, Michigan, Minnesota, Nevada, New Jersey, New York, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Dakota, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, and Wisconsin.

Source Numbers

105, 110, 154, 156, 159, 186, 190, 198, 199, 202, 204, 211, 213, 239, 251, 259, 260, 269, 294, 295, 299, 300, 301, 304, 305, 307, 308, 309, 310, 311, 314, 315, 316, 317, 319, 358, 365, 376, 385, 390, 400, 404, 414, 420, 423, 428, 437, 440, 442, 444, 446, 507, 562, 580, 598, 629, 658, 702, 715, 728, 868, 870, 871, 880, 899, 908, 912, 915, 926, 936, 944, 946, 960, 961, 962, 973, 974, 978

Shopping Center (820)

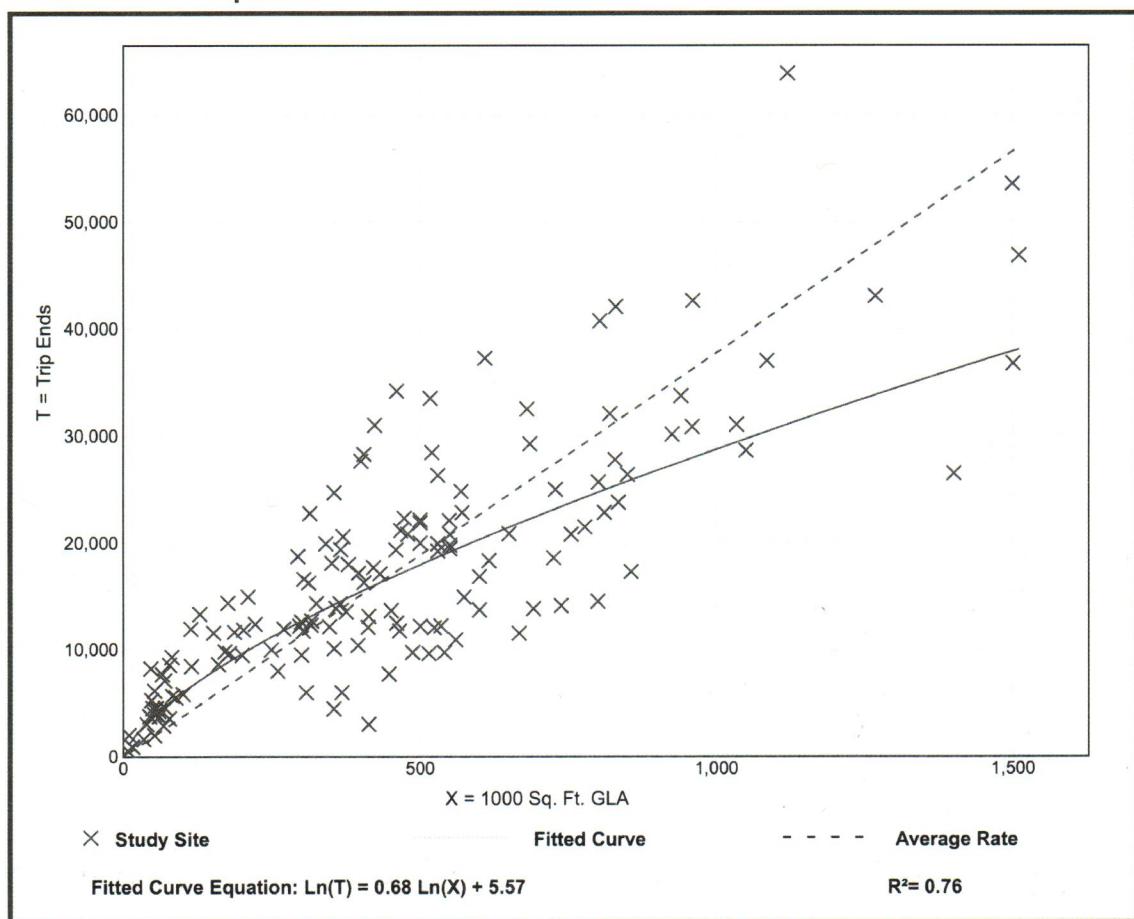
Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 147
1000 Sq. Ft. GLA: 453
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

Average Rate	Range of Rates	Standard Deviation
37.75	7.42 - 207.98	16.41

Data Plot and Equation



Land Use: 840

Automobile Sales (New)

Description

A new automobile sales dealership is typically located along a major arterial street characterized by abundant commercial development. The sale or leasing of new cars is the primary business at these facilities; however, automobile services, parts sales, and used car sales may also be available. Some dealerships also include leasing options, truck sales, and servicing. Automobile sales (used) (Land Use 841) and recreational vehicle sales (Land Use 842) are related uses.

Additional Data

Time-of-day distribution data for this land use are presented in Appendix A. For the six general urban/suburban sites with data, the overall highest vehicle volumes during the AM and PM on a weekday were counted between 11:15 a.m. and 12:15 p.m. and 1:45 and 2:45 p.m., respectively.

The sites were surveyed in the 1980s, the 1990s, the 2000s, and the 2010s in Alberta (CAN), California, Delaware, Florida, Georgia, Indiana, New York, North Carolina, Oregon, Texas, Vermont, and Virginia.

Source Numbers

260, 271, 280, 328, 414, 424, 427, 438, 440, 507, 571, 583, 612, 715, 728, 880, 881, 936, 974, 975

Automobile Sales (New) (840)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday

Setting/Location: General Urban/Suburban
Number of Studies: 18
1000 Sq. Ft. GFA: 36
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

Average Rate	Range of Rates	Standard Deviation
27.84	14.98 - 41.78	7.01

Data Plot and Equation

