East Providence Zoning Board of Review DIMENSIONAL VARIANCE FORM (Ref. 19-47)

This form must be completed in full prior to . being considered by the Zoning Board of Review.

PHONE NUMBER: 401.433.5200

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1. •	LOCATION OF PROPERTY 41-43 Oakley Avenue:	AVENUE/STREET
	MAP - 206 BLOCK 25 PARCEL 4	ZONING DISTRICTC-3
2:	OWNER Albertino and Zita Milho	
	ADDRESS 3 Kettle Point Avenue, Fast Providence, RI	02914
	DATE OF PURCHASE	
	PROPOSED I ESSEE/PLIBCHASER	

DATE OF FONOHAGE	
PROPOSED LESSEE/PURCHASER	<u>··</u>
ADDRESS	
ATTORNEY Timothy J. Chapman, Esq	· · · · · · · · · · · · · · · · · · ·
ADDRESS 349 Warren Avenue, East Providence, RT002914	• • •
REPRESENTING Owner	
•	

3.	DIMENSIONS OF SITE 50	113	5, 650 sq. ft.	
0.	Width	Depth	Area (Sq. Ft)	

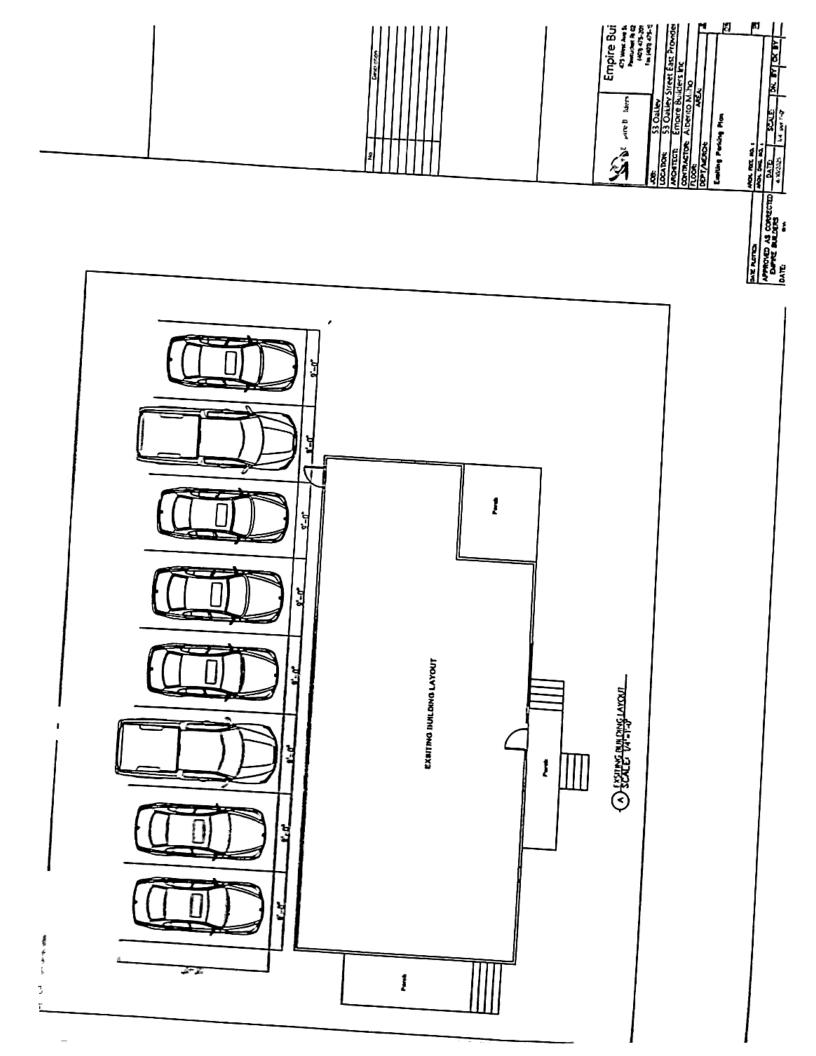
, LIST OF ALL EXISTING BUILDINGS AND USES:

	Use	. Building Height	Area (Sq. Ft.) (Building Footprint)	Type of Construction
(1)	Residential	2 stories	1,397 sq. ft.	renovations
-(2) (3)			•	

# LIST OF PROPOSED CONSTRUCTION AND USES:

Multi-Family Area (Sq. Ft.) No. of Basement No. of Type of Use Height Stories Yes/No (Bldg Footprint) Construction Bedrooms/Unit (1) Residential 2 stories 1,397 sq. ft 4 units renovations

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# **Parking Study**

For the

# Madeira Restaurant (288 Warren Avenue)

Map 206 Block 25 Parcels 2-12
Warren Ave, South Sharon Street & Oakley Street
East Providence, Rhode Island

Prepared for: Albertino & Zita Milho 288 Warren Avenue East Providence, RI

March, 2011

Prepared by:



# D'AMICO ENGINEERING TECHNOLOGY, INC.

1824 MINERAL SPRING AVE. NORTH PROVIDENCE, RI 02904 401-622-1470 401-353-1190 fax www.dengineeringtec.com

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## 1 INTRODUCTION

D'Amico Engineering Technology, Inc. (DEtec) has prepared the following parking study in order to describe existing and proposed parking conditions of Map 206, Block 25, Parcels 2-12, located in East Providence, Rhode Island. This narrative will discuss the parking elements of the proposed improvements. The project is seeking approval for a major land development project, along with an Administrative Subdivision for the merger of its many lots. This merger of lots will act to diminish as much as possible the required relieve from the City's zoning ordinance. There are currently eleven (11) existing parcels and the proposal is combine these lots to a total of six (6) lots. This study will address the parking on the six (6) lot proposed configuration.

## 2 EXISTING SITE LOCATION AND PHYSICAL DESCRIPTION

The subject property is located on Warren Avenue south of I-195 (See Figure 1 – Aerial Map) in East Providence, Rhode Island. The property currently contains a total of approximately 2.08 acres and is bound to the south by Warren Avenue, to the north by Oakley Street and I-195, to the west by South Sharon Street, and to the east by Map 206 Block 25 Parcels 1 and 14. The site slopes gently west to east. A description of each parcel is as follows:

- Parcel 2- This parcel is a vacant lot with a building foundation only.
- Parcel 3- This parcel consists of a bituminous parking surface with some minor drainage and landscaping. This parcel contains part of the area used for off street parking for the Madiera Restaurant, which is located on Parcels 7, 8 and 9.
- Parcel 4- This parcel consists of a two family residential unit and an associated bituminous parking surface. However, this off-street parking located on this parcel is used mostly for the Madiera Restaurant located on parcels 7, 8, and 9 and the professional office building located on parcel 6.
- <u>Parcel 5-</u> This parcel consists of 1 residential unit, a barber shop and a commercial unit (Pool Company). This parcel also has an associated bituminous parking surface. This off street parking is used for both the building located on the parcel and the professional office building located on parcel 6.
- Parcel 6- This parcel consists of a professional office building. This parcel has a very small associated bituminous parking surface. This off street parking is used for the employees of this professional office building.
- Parcel 7- This parcel consists of a gazebo, associated outside bar area and restroom.
   This gazebo, bar area and restroom are all part of the Madiera Restaurant.
- Parcel 8- This parcel consists of part of the Madiera Restaurant. This parcel has a very small associated bituminous parking surface that is used for the Madiera Restaurant.
- Parcel 9- This parcel consists of part of the Madiera Restaurant. This parcel has an associated bituminous parking surface. This off street parking is used for the Madiera Restaurant.
- Parcel 10- This parcel consists of a bituminous parking surface. This parcel contains
  part of the area used for off street parking for the Madiera Restaurant, which is
  located on Parcels 7, 8 and 9.



- Parcel 11- This parcel consists of a two family residential unit and an associated bituminous parking surface. However, the off street parking located on this parcel is used mostly for the Madiera Restaurant located on parcels 7, 8, and 9 and the restaurant building located on parcel 12.
- Parcel 12- This parcel consists of a restaurant type building, a shed and an associated bituminous parking surface. This off street parking is used for this restaurant.

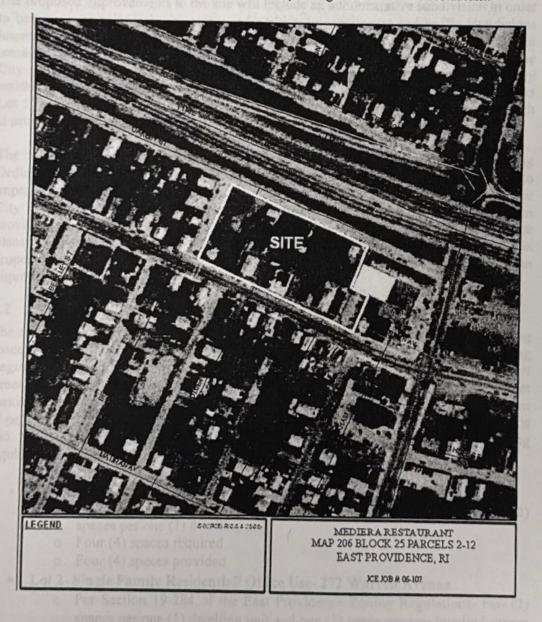


Figure 1- Aerial Map

The existing off street parking for the site includes 96 striped parking spaces that primarily service the Medeira Restaurant with approximately 31 on street parking spaces



along the properties frontage on the City streets. The total minimum existing parking spaces around the property are 127.

#### 3 PROPOSED DEVELOPMENT OF LAND

# 3.1 General

The proposed improvements to the site will include an administrative subdivision in order to better meet zoning criteria, associated parking improvements and traffic circulations improvements. The existing eleven lots will be modified so that a total of six lots will remain. The proposed improvements are defined as a land development project by the City of East Providence. In addition to these improvements, an existing two family residential structure, currently located on parcel 11, will be relocated to parcel 2 (noted as Lot 5 on the Site Plan). This will allow for additional parking in the area of Lot 6 which is proposed to be a new sports bar type restaurant.

The proposed layout has been prepared in accordance with the East Providence Zoning Ordinance to provide a best fit to the existing conditions. Parking has been designed to improve traffic circulation within the property and conform as close as possible to the City's parking requirements. Proper and adequate signage and lighting have been provided to direct traffic and to avoid adverse impacts to adjoining properties. Landscape plans and details have been developed to ensure that the proposed improvements to this property have little to no effect on the surrounding properties and are in fact an improvement to the existing conditions.

#### 3.2 Parking Requirements

The difference in use within the lots themselves will require different amounts of parking spaces. The total amount of parking spaces required by the East Providence Zoning Regulations Section 19-284 based on the multi-uses is 169 spaces for all lots. The off street parking provided by the proposed improvements is 133 spaces. The on street parking that falls directly adjacent to the site is at a minimum 33 spaces. The total amount of parking spaces available for use including both the on-street and off-street parking is 166 spaces. The following is a summary of the off street parking space Zoning requirement calculations:

- Lot 1- Proposed Two Family Residential- 41-43 Oakley Street
  - Per Section 19-284 of the East Providence Zoning Regulations- two (2) spaces per one (1) dwelling unit.
  - o Four (4) spaces required
  - Four (4) spaces provided
- Lot 2- Single Family Residential/Office Use- 272 Warren Avenue
  - o Per Section 19-284 of the East Providence Zoning Regulations- two (2) spaces per one (1) dwelling unit and one (1) space per two hundred square feet of gross floor area
  - $0 2 + (\frac{900 ft^2 gross floor area}{200 ft^2}) = 6.5 \text{ spaces required}$
  - o Four (4) spaces provided not including the driveway to Warren Ave.



- Lot 3- Office Use- 278 Warren Avenue
  - o This building also incorporates 928 square feet of commercial storage.
  - o Per Section 19-284 of the East Providence Zoning Regulations- one (1) space per two hundred square feet of gross office floor area

$$(\frac{2600 \, ft^2 \, gross \, office \, floor \, area}{200 \, ft^2}) = 13 \, \text{spaces required}$$

- o Twelve (12) spaces provided
- Lot 4- Restaurant Use- 288 Warren Avenue
  - Per Section 19-284 of the East Providence Zoning Regulations- one (1) space required for every three (3) seats and one additional space for every two (2) employees

o 
$$(\frac{305 \text{ seats}}{3}) + (\frac{16 \text{ employees}}{2}) = 110 \text{ spaces required}$$

- Eighty-eight (88) spaces provided not including the two (2) parking spaces off Warren Ave.
- Lot 5- Two Family Residential- 79 Oakley Street
  - o Per Section 19-284 of the East Providence Zoning Regulations- two (2) spaces per one (1) dwelling unit.
  - o Four (4) spaces required
  - o Four (4) spaces provided
- Lot 6 Sports Bar Type Restaurant- 308 Warren Avenue
  - Per Section 19-284 of the East Providence Zoning Regulations- one (1) space required for every three (3) seats and one additional space for every two (2) employees

o 
$$(\frac{83 \text{ seats}}{3}) + (\frac{8 \text{ employees}}{2}) = 31.67 \text{ spaces (32 spaces) required}$$

o Twenty-one (21) spaces provided

The proposed parking lot layout has been designed to provide ample space for parking within the property and take advantage of surrounding on street parking. (See Site Plan – Appendix A) By the Zoning requirements the parking for these lots is deficient by 36 parking spaces with the largest difference on Lot 4 of 22 spaces. This deficiency is the driving force for this further parking analysis.

Another important aspect about the proposed design is its adherence to the City's dimensional regulation for parking spaces at 9' x 20'. This parking space size required is larger than the industry standard of a suburban parking space at 9' x 18' and an urban parking space at 8.5' x 18'. The City's required parking space size is more suited to a suburban mall complex than a restaurant facility that does not have shopping carts on site. If we look at the square footage (sf) required for the respective parking spaces, the City's requirement with a 24' aisle is 288 sf and the urban parking space size is 255 sf. In an 88 parking space lot, that would empirically amount to an additional 10 parking spaces for use.



#### 4 PARKING ANALYSIS

#### 4.1 Introduction

The objective of the following parking analysis is to evaluate the potential parking impacts associated with the opening of a new restaurant on Warren Avenue and review the parking lot capacity associated with the existing Madeira Restaurant.

The scope of work conducted for this parking assessment was to manually count the occupied parking spaces on-site during average peak restaurant operation hours to determine the existing parking capacity of the facility. These manual counts will also be utilized to analyze the proposed site parking conditions and the addition of a new restaurant on Warren Avenue. This analysis will determine if the proposed parking is adequate to handle the restaurant facilities holistically.

# 4.2 Parking Study Methodology

The major parking generator on this site is Madiera Restaurant that operates at full capacity. The owner of the restaurant was interviewed and it was determined that parking counts taken on Fridays and Saturdays would reveal the peak usage time for the restaurant. Friday and Saturday counts would be consistent with peak usage for a facility of this type, but additional counts were performed to sample afternoons and a Thursday night as a test. Therefore, manual parking counts were conducted at the existing Madiera Restaurant on the following dates:

- Thursday, January 6, 2011 from 11:30 am to 1:30 pm
- Friday, January 7, 2011 from 11:30 am to 1:30 pm and 5:00 pm to 7:45 pm
- Saturday, January 8, 2011 from 11:30 am to 1:30 pm and 5:15 pm to 7:15 pm
- Thursday, February 17, 2011 from 5:30 pm to 7:15 pm
- Friday, February 18, 2011 from 5:30 pm to 8:30 pm
- Saturday, February 19, 2011 from 5:30 pm to 8:45 pm
- Friday, March 4, 2011 from 6:15 pm to 8:00 pm
- Saturday, March 5, 2011 from 6:30 pm to 8:15 pm

The ending time for each count varied because the counter was instructed to terminate the count once the parking occupancy started to significantly decrease from the peak. The forms showing the counts for each time interval on the above listed dates are in Appendix B for reference.

These actual parking counts of the existing facility were tabulated in the tables to follow for use in the parking analysis.



# 4.3 Existing Parking Conditions

As mentioned previously, the site abuts Warren Avenue, South Sharon Street, and Oakley Street. The main parking/traffic generator for the site is Madiera Restaurant. Currently, the parking for the existing buildings through the six (6) lots is not well defined except in the area of Madiera Restaurant which is on Lot 4. The restaurant area has defined parking spaces at the entrance from Warren Avenue and behind the restaurant which total 96 spaces. The rest of the buildings, which contain residential and office space, and one for the proposed restaurant, do not have defined parking spaces or travel ways. There is substantial on-street parking along the properties frontage with the mentioned roadways, but these will not be taken into consideration in this analysis.

The existing parking counts for the restaurant facility in full operation are tabulated in the following tables:

Table 1 - Existing Off-Street Parking Counts (Afternoon Operation)

Madiera Restaurant Off-Street Parking Counts (AFTERNOON OPERATION)

		_			
Time (AM/PM)	1/6/2011	1/7/2011	1/8/2011	Total	
11:30:00 AM	4	4	6	14	
11:45:00 AM	6	8	6	20	
12:00:00 PM	8	9	10	27	
12:15:00 PM	11	11	12	34	
12:30:00 PM	14	11	12	37	
12:45:00 PM	16	15	16	47	
1:00:00 PM	14	17	16	47	
1:15:00 PM	15	19	13	47	
1:30:00 PM	14	17	11	42	

AVERAGE AFTERNOON Peak Time: 1:15 pm @ 19 SPACES



Table 2 - Existing Off Street Parking Counts (Evening Operation)

# Madiera Restaurant Off-Street Parking Counts (EVENING OPERATION)

Time (PM)								Total
111110 (1-101)	1 <i>/7/</i> 2011	1/8/2011 Sat.	2/17/2011	2/18/2011	2/19/2011 Sat.	3/4/2011	3/3/2011 Sat.	Jotai
5:00:00 PM	18	Jac.			ouu			18
5:15:00 PM	25	28						၁၁
5:30:00 PM	27	34	22	28	30			141
5:45:00 PM	27	35	16	33	31			142
6:00:00 PM	29	38	21	38	38			164
6:15:00 PM	38	43		40	45	27		193
6:30:00 PM	49	54	24	42	59	34	69	331
6:45:00 PM	59	61	22	54	67	33	75	371
7:00:00 PM	72	66	20	56	71	39	77	401
7:15:00 AM	64	68	16	55	69	37	75	384
7:30:00 PM	57	62		58	69	38	65	349
7:45:00 PM		56		55	70	37	63	281
8:00:00 PM				58	71	39	62	230
8:15:00 AM				54	73		54	181
8:30:00 PM				51	77			128
8:45:00 PM	1				71			71

AVERAGE EVENING Peak Time: 7:00 pm @ 77 SPACES



## 4.4 Proposed Parking Conditions

# 4.4.1 Parking Layout

Under proposed conditions, the parking layout incorporates striping including pavement arrows, curbing, signage and landscaped islands to clearly define the parking spaces and aisle areas. Please refer to Appendix A.

Entrance and exit points have been modified to incorporate parking into each proposed lot and their land use. Madiera Restaurant will have a one-way entrance on Warren Avenue that leads to the major parking area behind the building and provide an entrance/exit on Oakley Street. Parking directly on Lot 4 is 88 spaces, but is connected to Lot 3 which has 11 spaces for a total of 99.

The residential and office buildings on Lots 1 and 2 will have delineated parking from points on South Sharon Street. Also, Lot 2 will have a driveway on Warren Avenue. The office building on Lot 3 will have an entrance/exit point from Oakley Street and 11 defined spaces behind the building. This parking will connect with the parking for Madiera Restaurant for shared parking due to the off peak times of operations between the two uses.

The relocated residential dwelling on Lot 5 will have its driveway off of Oakley Street and provide parking at the rear of the building. This driveway will not be connected to the Madiera Restaurant or the proposed restaurant.

The proposed restaurant on Lot 6 will have a one-way driveway with the entrance and exit onto Warren Avenue. Parking will be striped around the building and landscaping along with curbing will keep this parking area is separated from the Madiera Restaurant and the residential dwelling. The proposed parking space for this Lot is 21.

# 4.4.2 Parking Analysis of Proposed Site

The analysis to be performed will utilize the actual parking counts form the field of the existing restaurant operation and compare it to the proposed site design of the parking. The parking counts were generated during the months of January, February and March on good weather days to provide for an average peak parking occupancy for analysis use. The method of taking actual parking counts on an existing operation is the most accurate way, beyond Zoning Regulations or other studies based on similar types of operations, to determine its needs for spaces.

As can be seen in Tables 1 and 2, the average peak operation of the restaurant is on Saturday evenings between 7:00 and 8:30 pm with 77 spaces occupied. The study did test other time periods such as the lunch time afternoon operation hours, but that is shown to have a peak of not more than 19 occupied spaces and the Thursday evening peak did not show more than 24 spaces occupied. Thus the concentration on the Friday and Saturday counts to determine the average peak occupancy. It should be noted that on Saturday, February 19, two peaks actually appear but the average peak occupancy did not



