Docket Item #2 BZA CASE #2011-0006

Board of Zoning Appeals June 9, 2011

ADDRESS:605 FORT WILLIAMS PARKWAYZONE:R-12, RESIDENTIALAPPLICANT:ROOZEBH AND AZITA RASSULI, OWNERS

ISSUE: Variance to raise the roof of the existing house, construct a two-story rear addition and open deck in the required north side yard setback.

CODE SECTION	SUBJECT	CODE REQMT	APPLICANT PROPOSES	REQUESTED VARIANCE
3-206(A)(2)	Side Yard* (Rear Addition)	13.90 ft	3.00 ft	10.90 ft
	Side Yard (Open Deck)	10.00 ft	0.00 ft	10.00 ft

*Based on a height of 27.80 ft to the mid-point of the gable roof facing the north property line.

The staff **<u>recommends approval</u>** of the requested variance because the request meets the criteria for a variance.

If the Board decides to grant the requested variance it must comply with the code requirements under the department comments and the applicant must submit the following prior to the release of a Certificate of Occupancy: (1) a survey plat prepared by a licensed surveyor confirming building footprint, setbacks, and building height compliance from average preconstruction grade and (2) certification of floor area from a licensed architect or engineer. The variance must also be recorded with the deed of the property in the City's Land Records Office prior to the release of the building permit.



I. <u>Issue</u>

The applicants propose to raise the roof of the main house, build a two-story addition at the rear of an existing attached garage and construct an open rear deck for the house at 605 Fort Williams Parkway. The existing north wall of the house and the proposed new rear addition will extend along the same plane of the existing house located in the required north side yard. The house is currently located 4.00 feet from the north side property line.

II. <u>Background</u>

The subject property, one legal lot of record, with 142.26 feet of frontage facing Fort William Parkway, 164.69 feet along the north side property line, 126.24 feet along the south side property line and 38.99 feet along the east rear property line. None of property lines are parallel to one another. The lot could be best described as an unusually shaped triangular lot. The property contains 12,000 square feet of lot area and is a complying lot for single family dwelling in the R-12 zone where the minimum lot area is 12,000 square feet and minimum lot width is 80.00 feet.

The property is currently developed with a two-story single family dwelling with an open rear deck that is not centered on the lot. From the rear, the house is three stories. The house is 39.55 feet from the front property line facing Fort Williams Parkway, 20.46 feet from the south side property line and 4.00 feet from the north side property line. Most of the north building wall is located in the required side yard facing the north property line. The property is hilly dropping off substantially from the front of the house and gradually leveling off in the rear yard. According to real estate records, the house was constructed in 1976. To the north, the property borders a portion of the Theological Seminary property that is used to provide faculty housing.

III. <u>Description</u>

The proposed improvements to the existing house are as follows.

- (a) Raise the roof of the entire house by 2.00 feet. The main structure is located in compliance with the required south side yard and front yards. A variance is required from the north side yard to make the changes proposed to the existing structure.
- (b) Build over a one and a half story portion of the house that includes the garage and is located on the north side of the main house facing the north side property line. This portion of the house is located 4.00 feet from the north side property line. The rear addition measures approximately 6.00 feet in depth by 56.03 feet in length across the rear building wall and totals approximately 1,291 square feet square feet. The height of the addition is 27.80 feet from grade to the midpoint of the gable roof ridge facing the north side yard property line. A portion of the new addition approximately 23.50

feet in length will extend from the ridge of the garage roof towards the rear of the house. Upon completion of the work, the new addition built in line with the existing building wall will be located 3.00 feet from the north side property line. The applicants request relief by variance to construct the addition located within 3.00 feet of the north side property line.

(c) Build a new open deck at the rear of the new addition. The new open deck measures 8.00 feet wide at its narrowest point to 16.00 feet wide by 44.00 feet in length across the rear building wall. The deck is approximately 10.00 feet in height above grade. The new deck will be located on the north side property line. The applicants request a variance to build the deck up to the north side property line.

Upon completion of the remainder of the work, the proposed renovations will continue to comply with the floor area and setback requirements for the front, south side and rear yards. (Refer to floor area calculations.)

IV. Master Plan/Zoning

The subject property is zoned R-12 and has been so zoned since adoption of the Third Revised Zoning Map in 1951, and is identified in the Seminary Hill Small Area Plan for residential low land use.

V. <u>Requested Variance:</u>

3-206(A)(2) Side Yards, (North)

The applicants request a side yard variance of 6.00 feet and 10.00 feet from the required 12.00 feet to construct the a rear addition and open deck in the required north side yard.

VI. Noncomplying Structure/ Substandard Lot

The existing building at 605 Fort Williams Parkway is a noncomplying structure with respect to the following:

Regulation	Required	Existing	Noncompliance
Side Yard (East)	10.00 feet	4.00 feet	6.00 feet

VII. Staff analysis under criteria of section 11-1103

To grant a variance, the Board of Zoning Appeals must determine that a unique characteristic exists for the property. Section 11-1103 of the zoning ordinance lists standards that an applicant must address and that the Board believes exists and thus warrants varying the zoning regulations.

(1) The particular physical surroundings, shape, topographical condition or extraordinary situation or condition of the property that prohibits or unreasonably restricts the use of the property.

- (2) The property's condition is not applicable to other property within the same zoning classification.
- (3) Hardship produced by the zoning ordinance was not created by the property owner.
- (4) The granting of a variance will not be detrimental to the public or other property or the neighborhood in which the subject property is located. Nor will the granting of a variance diminish or impair the value of adjoining properties or the neighborhood.
- (5) The granting of the variance will not impair light and air to the adjacent property.
- (6) The granting of a variance will not alter the character of the area nor be detrimental to the adjacent property.
- (7) Strict application of the zoning ordinance will produce a hardship.
- (8) Such hardship is generally not shared by other properties in the same zone and vicinity.
- (9) No other remedy or relief exists to allow for the proposed improvement.
- (10) The property owner has explored all options to build without the need of a variance.

VIII. <u>Applicant's Justification for Hardship</u>

The applicants state the irregularly shaped triangular lot with steep slope presents few opportunities to construct a modest addition. Existing house is currently located in he required north side yard. The current zoned requirement of a side yard of 10 feet to build onto an existing house located 4.00 feet from the side yard puts an unreasonable restriction on this particular property due to both the existing structures placement on the lot and its noncompliant side yard to an angled lot line.

IX. <u>Staff Analysis</u>

Staff agrees that with the applicants' justification for hardship. The situation is unique to this lot with its unusual configuration and lot lines and steep topography does place an unreasonable restriction on the use of the property specifically to build onto this single-family dwelling. The vast majority of the new rear addition is in compliance with the side yard setback requirement. The existing structure is currently noncomplying as to the north side yard with the existing house now located 3.00 feet from the property line. The application of a 13.90 feet side yard to build a reasonable size addition will limit

construction on the property. The applicants' proposal complies with all of the remaining R-12 requirements including floor area, building height and rear and front yard setbacks. An inspection of the immediate and surrounding neighborhood revealed many homes have been expanded. Nearby lots do not have as unusual a lot configuration as the subject property, which is also combined with irregular house placement on the lot and steep topography. The front of the house as viewed from the street will continue to be compatible with the neighborhood both in height and scale. The addition that will be constructed will not impact the light and air of another residence because the existing home now views the Protestant Seminary lot that is heavily wooded and no future construction anticipated.

For the above reasons staff recommends **<u>approval</u>** of the variances.

DEPARTMENTAL COMMENTS

Legend: C - code requirement R - recommendation S - suggestion F - finding

* The applicant is advised that if the variance is approved the following additional comments apply.

Transportation and Environmental Services:

- R-1 The building permit plans shall comply with requirements of City Code Section 5-6-224 regarding the location of downspouts, foundation drains and sump pumps. Refer to Memorandum to Industry dated June 18, 2004. [Memorandum is available online at the City web site under Transportation\Engineering and Design\Memos to Industry.]. (T&ES)
- R-2 Applicant shall be responsible for repairs to the adjacent city right-of-way if damaged during construction activity. (T&ES)
- R-3 All improvements to the city right-of-way such as curbing, sidewalk, driveway aprons, etc. must be city standard design. (T&ES)
- R-4 No permanent structure may be constructed over any existing private and/or public utility easements. It is the responsibility of the applicant to identify any and all existing easements on the plan. (T&ES)
- R-5 An erosion and sediment control plan must be approved by T&ES prior to any land disturbing activity greater than 2,500 square feet. (T&ES)
- R-6 Compliance with the provisions of Article XIII of the City's zoning ordinance for storm water quality control is required for any land disturbing activity greater than 2,500 square feet. (T&ES)
- R-7 The building permit must be approved and issued prior to the issuance of any permit for demolition. (T&ES)
- R-8 Construction of a new driveway entrance, or widening of an existing driveway entrance, requires separate application to; and approval from, the Department of Transportation and Environmental Services. (T&ES
- F-1 Application states a rear addition of 8' whereas submitted drawings indicate a 6' addition to the rear of the dwelling. At this time it is unclear which is correct as the drawings are not to scale. Staff recommends that the applicant contact T&ES prior to submitting a

building permit application for verification of whether a grading plan will be required. (T&ES)

- F-2 An approved grading plan may be required at the time of building permit application. Insufficient information has been provided to make that determination at this time. In summary, City Code Section 5-6-224 requires that a grading plan be submitted to and approved by T&ES prior to the issuance of building permits for improvements involving:
 - the construction of a new home;
 - construction of an addition to an existing home where either
 - the addition exceeds the area of the existing building footprint by 100% or more;
 - or, the construction of the addition results in less that 50% of the existing first floor exterior walls, in their entirety, remaining;
 - changes to existing grade elevation of 1-foot or greater;
 - changes to existing drainage patterns;
 - land disturbance of 2,500 square feet or greater.

Questions regarding the processing of grading plans should be directed to the T&ES Site Plan Coordinator at (703) 746-4064. Memorandum to Industry No. 02-08 was issued on April 28, 2008 and can be viewed online via the following link. http://alexandriava.gov/uploadedFiles/tes/info/gradingPlanRequirements.pdf

- C-1 The applicant shall comply with the City of Alexandria's Solid Waste Control, Title 5, Chapter 1, which sets forth the requirements for the recycling of materials (Sec. 5-1-99). (T&ES)
- C-2 The applicant shall comply with the City of Alexandria's Noise Control Code, Title 11, Chapter 5, which sets the maximum permissible noise level as measured at the property line. (T&ES)
- C-3 Roof, surface and sub-surface drains be connected to the public storm sewer system, if available, by continuous underground pipe. Where storm sewer is not available applicant must provide a design to mitigate impact of storm water drainage onto adjacent properties and to the satisfaction of the Director of Transportation & Environmental Services. (Sec.5-6-224) (T&ES)
- C-4 All secondary utilities serving this site shall be placed underground. (Sec. 5-3-3) (T&ES)
- C-5 Pay sanitary sewer tap fee prior to release of Grading Plan. (Sec. 5-6-25) (T&ES)
- C-6 Any work within the right-of-way requires a separate permit from T&ES. (Sec. 5-2) (T&ES)

Code Administration:

- F-1 The following comments are for preliminary review only. Once the applicant has filed for a building permit, code requirements will be based upon the building permit plans. If there are any questions, the applicant may contact Thomas Sciulli, Plan Review Supervisor at 703-746-4190 or thomas.sciulli@alexandriava.gov.
- C-1 Building and trades permits will be required to be issued prior to any demolition/construction at the site
- C-2 Five complete sets of sealed drawings will be required to be submitted for review prior to the issuance of any permits.
- C-3 A soils report may be required to be submitted with the building permit application.
- C-4 At a minimum the plans shall show:
 - Footing and foundation details
 - Size, and use of all spaces
 - Basement egress
 - Framing details of walls and roof
 - Wall bracing details
 - HVAC calculations and insulation values

Recreation (Arborist):

F-1 No specimen trees are affected by this plan.

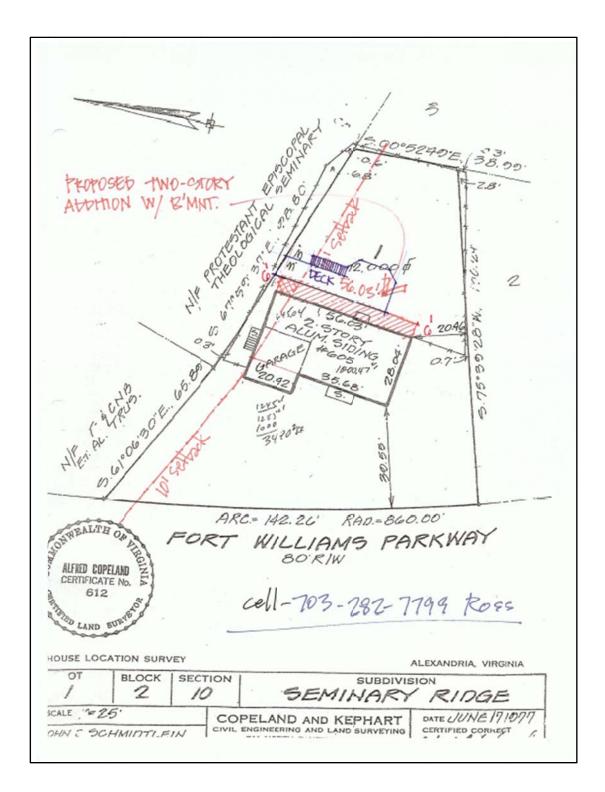
Historic Alexandria (Archaeology):

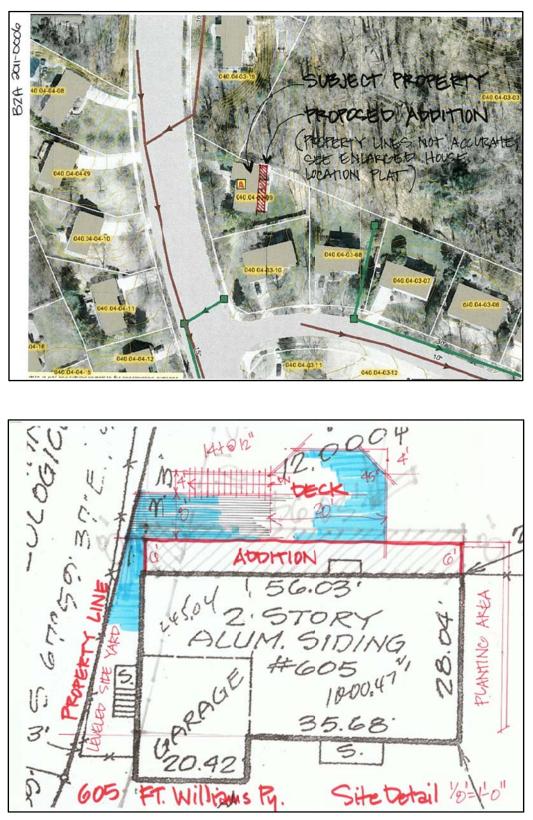
F-1 There is low potential for significant archaeological resources to be disturbed by this project. No archaeological action is required.

Other Requirements Brought to the Applicant's Attention:

C-1 A wall check survey plat shall be submitted to Planning and Zoning when the building footprint is in place, pursuant to Alexandria City Code section 8-1-12.

Images





NAWROCKI 6728 Curran Street Suite 30 Mc Lean VA 22101 T 703 288 4412 F703 288 4413 CASSULI RESIDENCE 605 FORT WILLIAMS PARKWAY, ALEXANDRIA, VIRGINIA 22304 EDSTING FRONT VIEW FROM THE WEST EXISTING FRONT VIEW FROM THE SOUTHWEST 2 1 SCALE NO SCALE SCALE NO SCALE 11018 DATE ISSUED PROPERTY PHOTOS 01 3 EXISTING FRONT VIEW FROM THE NORTHEAST EXISTING FRONT VIEW FROM THE SOUTHEAST 4 SCALE NO SCALE SCALE NO SCALE

BZA CASE #2011-0006

Server HD: PROJECTS: Rassuli Residence: Drawings: PoverCADD: Rassuli_Photos11x17

55/1 200 PM @ COPYRIGHT 2011 BY MICHAEL NAWROCKI ARCHITECTS, PLLC

X BEIGE SHADED ARE AS REPRESENT NEW CONSTRUCTION -NAWROCKI 6728 Outran Street Suite 30 Mc Lean VA 22 101 T 703 288 4412 F703 288 4413 **(**) RASSULI RESIDENCE 605 FORT WILLIAMS PARKWAY, ALEXANDRIA, VIRGINIA 22304 -----PROPOSED FRONT VIEW FROM THE WEST PROPOSED FRONT VIEW FROM THE SOUTHWEST 0 0 SCALE NO SCALE BEIGE SHADED AREAS REPRESENT NEW CONSTRUCTION 11018 DATE ISSUED PROPERTY PHOTOS PROPOSED FRONT VIEW FROM THE NORTHEAST 0 PROPOSED FRONT VIEW FROM THE SOUTHEAST 02 (4 SCALE: NO SCALE SCALE NO SCALE

BZA CASE #2011-0006

Server HD: PROTECTS: Rassuli Reidence: Drawlogs: ReverCADD: Resuli_Photos11x17 55/1 202 PM @ COPYRIGHT 2011 BY MICHAEL NAWROCKI ARCHITECTS, PLLC

BZA Case #_ 2011-0006____



APPLICATION BOARD OF ZONING APPEALS

SPECIAL EXCEPTION FOR ADDITIONS

Section of zoning ordinance from which request for special exception is made:

-200-60 and ODAM SDAL IDNS

PART A

Applicant: X Owner [] Contract Purchaser [] Agent 1. Name <u>Roozebh</u> 605 F lams Address 2304 AX AN Daytime Phone ________ Email Address __ Y @ GSV Ò omcast. ne Property Location 605 7 ams 2. Assessment Map # ____ Zone R-3. . Block (AB Legal Property Owner Name <u>R002</u> 4. n Ragsuli Address _> I (005 AFR 2 8 2011

BZA 2011-0000

OWNERSHIP AND DISCLOSURE STATEMENT Use additional sheets if necessary

1. Applicant. State the name, address and percent of ownership of any person or entity owning an interest in the applicant, unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

Name	Address	Percent of Ownership
1.		
2.		
3.		

2. Property. State the name, address and percent of ownership of any person or entity owning an interest in the property located at <u>GO5 FT</u>. Will <u>BWS</u> FU (address), unless the entity is a corporation or partnership, in which case identify each owner of more than ten percent. The term ownership interest shall include any legal or equitable interest held at the time of the application in the real property which is the subject of the application.

	Name	Address	Percent of Ownership
	koozebh kassuli	605 Ff. Williams	> 00%
0R	2 Auto T. Rassuli	605 Ft. Williams	10000
	3.		

3. Business or Financial Relationships. Each person or entity listed above (1 and 2), with an ownership interest in the applicant or in the subject property is required to disclose **any** business or financial relationship, as defined by Section 11-350 of the Zoning Ordinance, existing at the time of this application, or within the12-month period prior to the submission of this application with any member of the Alexandria City Council, Planning Commission, Board of Zoning Appeals or either Boards of Architectural Review.

Name of person or entity	Relationship as defined by Section 11-350 of the Zoning Ordinance	Member of the Approving Body (i.e. City Council, Planning Commission, etc.)
1.		-
2.		
3.		

NOTE: Business or financial relationships of the type described in Sec. 11-350 that arise after the filing of this application and before each public hearing must be disclosed prior to the public hearings.

As the applicant or the applicant's authorized agent, | hereby attest to the best of my ability that the information provided above is true and correct.

Roozebh Rachvill Printed Name

na Signature APR 2 8 2011 AP. 6 PLANNING & LONDAG

BZA 201-0006

Alexandria City Council

William Euille, Mayor Kerry Donely, Vice Mayor Frank Fannon IV Alicia Hughes Rob Krupicka Redella "Del" Pepper Paul Smedberg

Board of Zoning Appeals

Harold Curry, Chair Mark Allen, Vice Chair Geoffrey Goodale David Lantzy Jennifer Lewis Eric Zander John Keegan

Board of Architectural Review

Parker-Gray District William Conkey, Chair Deborah Rankin, Vice Chair Christina Kelley H. Richard Lloyd, III Robert Duffy Douglas Meick Philip Moffat

Planning Commission

John Komoroske, Chair H. Stewart Dunn, Vice Chair Donna Fossum J. Lawrence Robinson Mary Lyman Jesse Jennings Eric Wagner

Board of Architectural Review

Old and Historic District Thomas Hulfish, Chair Oscar Fitzgerald, Vice Chair Arthur Keleher Wayne Neale Peter Smeallie James Spencer John Von Senden

Updated 5/1/2010

Definition of business and financial relationship.

Section 11-305 of the Zoning Ordinance defines a business or financial relationship as any of the following:

- a direct one;
- (2) by way of an ownership entity in which the member or a member of his immediate household is a partner, employee, agent or attorney;
- (3) through a partner of the member or a member of his immediate household;
- (4) through a corporation in which any of them is an officer, director, employee, agent or attorney or holds 10 percent or more of the outstanding bonds or shares of stock of a particular class. In the case of a condominium, this threshold shall apply only if the applicant is the title owner, contract purchaser, or lessee of 10% or more of the units in the condominium;
- (5) not as an ordinary customer or depositor relationship with a professional or other service provider, retail establishment, public utility or bank, which relationship shall not be considered a business or financial relationship;
- (6) created by the receipt by the member, or by a person, firm, corporation or committee on behalf of the member, of any gift or donation having a value of more than \$100, singularly or in the aggregate, during the 12-month period prior to the hearing on the application from the applicant.

1 ATH 6 2011 12 Flatence & 20MiNB

	BZA Case # 2011-0006
	6 ADDITION WITH DECK
5.	Describe request briefly: <u>REAR OF HOUSE IN REQUIRED SIDE YARD BY</u> <u>EXTENDING EXECTING PLANE OF HOUSE REAR WARD</u> <u>AND ADD UPPER TORY WER EXISTING GARAGE IN</u> <u>REQUIRED SIDE YARD</u>

6. If property owner or applicant is being represented by an authorized agent, such as an attorney, realtor or other person for which there is a form of compensation, does this agent or the business in which they are employed have a business license to operate in the City of Alexandria, Virginia?

- [] Yes Provide proof of current City business license.
- [] No Said agent shall be required to obtain a business prior to filing application.

THE UNDERSIGNED HEREBY ATTESTS that all of the information herein provided including the site plan, building elevations, prospective drawings of the projects, etc., are true, correct and accurate. The undersigned further understands that, should such information be found incorrect, any action taken by the Board based on such information may be invalidated. The undersigned also hereby grants the City of Alexandria permission to post placard notice as required by Article XI, Division A, Section 11-301(B) of the 1992 Alexandria City Zoning Ordinance, on the property which is the subject of this application. The applicant, if other than the property owner, also attests that he/she has oblained permission from the property owner to make this application.

APPLICANT OR AUTHORIZED AGENT:

Signature 703-2 Telephone Date Kev

Pursuant to Section 13-3-2 of the City Code, the use of a document containing false information may constitute a Class 1 misdemeanor and may result in a punishment of a year in jail or \$2,500 or both. It may also constitute grounds to revoke the permit applied for with such information.

NOTE TO APPLICANT: Only one special exception per dwelling shall be approved under the provisions of Section 11-1302(B)(4).

PART B (SECTION 11-1304)

APPLICANT MUST EXPLAIN THE FOLLOWING:

(Please use additional pages where necessary.)

1. Explain how the special exception for the proposed addition, if granted, meets the applicant's needs.

APPLICANT WISHES TO ENLARGE 35-YEAR-OLD
STRUCTURE TO CURRENT STANDARDS BUT
HOUSE WAS CONSTRUCTED OFIGINALLY PROJECTING
INTO WRRENT DET SIDE TARD SET BACK.

2. Explain if the special exception, if granted, will harm adjoining properties or impact the neighborhood in any way.

NO HARM EXPECTED SINCE ADJOINING LOT OWNED
BY PROTESTANT SEMINARY IS HEAVILY WODDED
WITH STORM RUNDEF AND NO FUTURE CONSTRUCTION
ANTICIPATED - NO NEIGHBORHOOD IMPACT SINCE
ADDMON IS NOT VISIBLE FROM STREET.

3. Explain how the proposed addition will affect the light and air to any adjacent property.

NO AFFECT	TO At	JACENT	PROPE	ERNES	
NO AFFECT	PER.	EXPLANA	TION :	2 ABOVE	

				10.077-00.
				in)
APR	2	8	2011	4.32
0.11	£.,	0	2011	1

BZA Case # <u>2011- 000</u>	6
-----------------------------	---

4. Explain how the proposed addition is compatible with other properties in the neighborhood and the character of the neighborhood as a whole.

SUGHT & FOOT EXPANSION ACROSS ENTIRE REAR
WOULDN'T CHANGE BASIC COMPOSITION OF HOUSE
KEEPING IT COMPATIBLE WITH OTHER PROPERTIES
IN THE NEIGHBORHOOD - VERY MINIMAL CHANGE
TO STREET APPEARANCE WILL BE MADE.

5. How is the proposed construction similar to other buildings in the immediate area?

MANY NEIGHBORHOOD HOMES HAVE BEEN
EXPANDED TO CURPENT LIVING STANDARDS.
PLANNED EXPANSION IS WITHIN 3 FAR. AND
WILL STILL BE SMALLER THAN MANY HOMES
IN THE IMMEDIATE AREA.

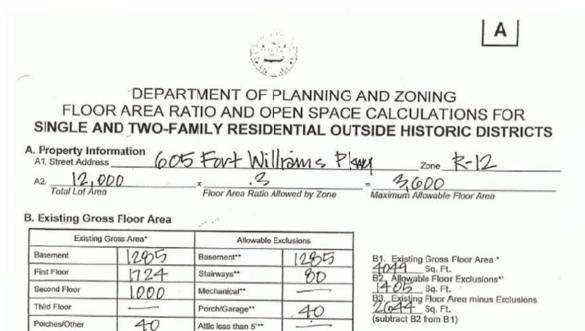
6. Explain how this plan represents the only reasonable location on the lot to build the proposed addition.

REGULARLY GHAPED TRIANGULAR LOT WITH
STEEP SLOPE PRESENTS FEW OPPORTUNITIES FOR
I OW-IMPACT ADDITION - PROPOSED MASSING WOULD
HAVE THE LOWEST VISUAL IMPACT ON EXISTING
OTRUCTURE.

7. Has the applicant shown the plans to the most affected property owners? Have any neighbors objected to the proposed special exception, or have any neighbors written letters of support? If so, please attach the letter. APPLICANT PLANS TO FEESENT PLANS TO

AFFECTED PROPERTY (SUBMIT FOLLOWUP MATT	WNERS AND WILL
	DECIVEM

APR 2 8 2011



405

Proposed Gross Floor Area (does not include existing area)

Total Exclusions

4049

Proposed Gross Area*		Allowable Exclusions	
Basement	325	Easement**	325
First Floor	335	Stairways**	
Second Floor	621	Nechanical**	-
Third Floor		Forch/Garage**	-
Porches/Other		Attic tess than 5***	-
Total Gross*	1291	Total Exclusions	225

Proposed Gross Floor Area * 291____Sq. Ft. Allowable Floor Exclusions** Sq. Ft. C3. Proposed Floor Area minus Exclusions 956 Sq. Ft. (subtract C2 from C1)

Ma

D. Existing + Proposed Floor Area D1. Total Floor Area (add B3 and C3) D2. Total Floor Area Allowed by Zone (A2) Sq. Ft. Sq. Ft.

E. Open Space Calculations Required in RA & RB zones

Existing Open Space	
Required Open Space	
Proposed Open Space	

Gross floor area for residential single and two-family dwellings in the R-20, R-12, R-8, R-5, R-2-5, RB and RA zones (not including properties located within a Historic District) is the sum of all areas under roof of a lot, measured from exterior walls

** Refer to the zoning ordinance (Section2-145(A)) and consult with zoning staff for information regarding allowable exclusions.

If taking exclusions other than basements, floor plans with excluded areas illustrated must be submitted for review. Sections may also be required for some exclusions.

The undersigned hereby certifies and attests that, to the best of his/her knowledge, the above computations are true and correct

Signature:

Total Gross*

Date: 4 27 (11 (rev 5.5.11)