

3(a)
9-13-11

CITY COUNCIL OF ALEXANDRIA, VIRGINIA

Public Hearing Meeting
Saturday, June 25, 2011 - - 9:30 a.m.

Present: Mayor William D. Euille, Vice Mayor Kerry J. Donley, Members of Council Frank H. Fannon, Alicia Hughes, K. Rob Krupicka, Redella S. Pepper, and Paul C. Smedberg.

Absent: None.

Also Present: Mr. Johnson, Acting City Manager; Mr. Banks, City Attorney, Ms. Evans, Deputy City Manager, Mr. Jinks, Deputy City Manager, Ms. Hamer, Director, Planning and Zoning (P&Z); Ms. Ross, Deputy Director, P&Z; Ms. Parker, Urban Planner; Ms. Baker, City Engineer, Transportation and Environmental Services (T&ES); Mr. Melkerson, Plan Review Engineer, T&ES; Assistant City Attorney O'Donnell; Deputy Police Chief Corle; Mr. Wanamaker, Deputy Director, General Services; Fire Chief Thiel; Mr. Catlett, Director, Code Administration; Ms. Wright, Division Chief, P&Z; Ms. Rafferty, Urban Planner, P&Z; Mr. Randall, Urban Planner, P&Z; Mr. Wagner, Principal Planner, P&Z; Ms. Williams, Principal Planner, P&Z; Ms. Carrel, Director/Office of the Arts, Recreation, Parks and Cultural Activities; Ms. Harris, Communications Officer, Office of Communications and Public Information; Mr. Castrilli, Communications Director, Office of Communications and Public Information; Ms. McLean, ITS; Police Captain Ogden; and Mr. Lloyd.

Recorded by: Gloria Sitton, Deputy City Clerk and Clerk of Council.

OPENING

1. Calling the Roll.

Mayor Euille called the meeting to order, and the Deputy City Clerk called the roll. All the members of Council were present.

2. Public Discussion Period.

The following persons participated in the public discussion period:

(a) Bert Ely, 200 South Pitt Street, spoke about the upcoming discussions concerning the proposed Waterfront Plan and noted that one of the main focuses needs to be on the flood mitigation challenges facing the planning process. Mr. Ely requested that Council direct City staff to develop a detailed flood mitigation plan for the

Waterfront.

(b) Shelly Bell, 1400 King Street, invited members of Council to Seven Cities Arts Society literary events that will be held throughout the City and recited a short poem.

(c) Jack Sullivan, 4300 Ivanhoe Place, stated that members of the community have developed a feeling of skepticism and mistrust toward the government. Mr. Sullivan requested that over the summer, Council reflect on the decision making process on projects throughout the City, specifically the planning for the Beauregard Corridor and other transportation issues in the West End, including BRAC-133.

(d) Andrew Macdonald, 217 North Columbus Street, co-chair for the Citizens for an Alternative Alexandria Waterfront Plan, thanked Council for delaying action on the Waterfront Plan until the fall and allowing a citizen group to review the plan. Mr. Macdonald requested that the group be an independent body that does not include members of Council or the Planning Commission and he urged Council members to keep the committee small to allow for a review of the facts and bring a detailed analysis back to Council and the community.

(e) Bob Wood, 711 Potomac Street, commended Council for delaying consideration of the proposed Waterfront Plan and he offered a recommendation for the proposed citizen ad-hoc group to review the plan and provide Council with an unbiased and transparent analysis for consideration. Mr. Wood offered specifics of his recommendation for Council to review.

(f) Andrea Stowers, 5240 Tobacco Quay, stated that the residents of Tobacco Quay were denied any representation on any of the issues concerning the Waterfront Plan and would like for the residents in Tobacco Quay to be included in future discussions concerning development on the Waterfront. Ms. Stowers also noted that tour buses have been parking on Pendleton Street where it is prohibited because of lack of signage.

Vice Mayor Donley requested that staff post signs on Pendleton Street stating that tour bus parking is prohibited.

(g) John Gosling, 208 South Fayette Street, representing the Old Town Civic Association, thanked Council for deferring the decision on the proposed Waterfront Plan and requested that a simple and comprehensive summary of the latest revisions of the plan be presented to the public and to give the ad-hoc group a place to start the continued discussion.

(h) Dennis Kux, 125 Duke Street, thanked Council for deferring consideration on the Waterfront Plan and outlined the issues that led to the need for reconsideration of the process of the proposed plan. Mr. Kux pointed out that what is at stake is the disposition of the four properties slated for redevelopment.

(i) Katy Cannady, 20 East Oak Street, stated that the process around the Waterfront Plan has neglected to consider the viewpoints of the public and she noted that it is the responsibility of the Council to make public participation paramount in the decision making process in the City.

(j) Gary Carr, 216 Aspen Street, spoke in favor of adding the lights to the athletic fields at Francis Hammond Middle School, noting that the lights would improve the safety of the fields and enhance the asset where \$1 million has already been spent for improvements. Mr. Carr stated that he hoped that deferring action on the lighting of the athletic fields will not exclude including lighting at this valuable asset.

(k) Elizabeth Gibney, 300 South Lee Street, thanked Council for the reconsideration of the Waterfront Plan and stated that she would be monitoring the progress carefully.

(l) Don Buch, 389 Livermore Lane, expressed concern that there has not been more consideration given by the City to the possible terrorist threat that the new BRAC-133 facility presents to the safety of the surrounding neighborhoods, businesses and schools.

(m) Annabelle Fisher, 5001 Seminary Road, spoke about the increase in the taxes collected by Comcast and requested that Council have staff investigate the need for the increase and the possible elimination of some of the taxes.

(n) Poul Hertel, 1217 Michigan Court, spoke in support of the recommendations submitted to Council by Bob Wood regarding the Waterfront Plan and he spoke about the implementation of the transportation master plan.

REPORTS OF BOARDS, COMMISSIONS AND COMMITTEES

ACTION CONSENT CALENDAR (3-8)

Planning Commission

3. SPECIAL USE PERMIT #2011-0019
3127 and 3128 COLVIN STREET
ALEXANDRIA CAR CLINIC AUTOMOBILE SALES
Public Hearing and Consideration of a SUP amendment to operate an automobile dealership at an existing automobile repair business; zoned I/Industrial. Applicant: Ahmed Mirza

PLANNING COMMISSION ACTION: Recommend Approval 5-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 3;

06/25/11, and is incorporated as part of this record by reference.)

4. THIS IS FOR INFORMATION ONLY -- NO APPROVAL NEEDED
CITY CHARTER SECTION 9.06 CASE #2011-0002
401 EAST BRADDOCK ROAD (405 E. Braddock Rd. and 515 Mt. Vernon Ave.)
YATES CORNER

Consideration of a request for approval of the sale of property at 401 East Braddock Road pursuant to Section 9.06 of the City Charter; zoned CSL/Commercial Service Low. Staff: Department of General Services

PLANNING COMMISSION ACTION: Approved 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 4; 06/25/11, and is incorporated as part of this record by reference.)

5. ENCROACHMENT #2011-0002
511, 515, MOUNT VERNON AVENUE, 401, 405, 407 and 411 EAST BRADDOCK ROAD - YATES CORNER

Public Hearing and Consideration of a request for approval of an encroachment into the public right-of-way for an ornamental wall, planters and planting beds; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 5; 06/25/11, and is incorporated as part of this record by reference.)

6. SPECIAL USE PERMIT #2011-0032
407 EAST BRADDOCK ROAD (Parcel Addresses: 515 Mt. Vernon Avenue, 401, 405 E. Braddock Road)
YATES CORNER - DRY CLEANING BUSINESS

Public Hearing and Consideration of a request to operate a dry cleaning business; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 6; 06/25/11, and is incorporated as part of this record by reference.)

7. SPECIAL USE PERMIT #2011-0034
511 & 515 MOUNT VERNON AVENUE (Parcel Addresses: 515 Mt. Vernon

Avenue, 401, 405 E. Braddock Road) YATES CORNER - LIGHT AUTO REPAIR

Public Hearing and Consideration of a request to operate a light auto repair business; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 7; 06/25/11, and is incorporated as part of this record by reference.)

- 8. SPECIAL USE PERMIT #2011-0033
411 EAST BRADDOCK ROAD (Parcel Addresses: 515 Mt. Vernon Avenue, 401, 405 E. Braddock Road) YATES CORNER - 7-ELEVEN
Public Hearing and Consideration of a request for the continued operation of a convenience store; zoned CSL/Commercial Service Low. Applicant: 7-Eleven, Inc., represented by Michael Vanderpool, attorney

PLANNING COMMISSION ACTION: Recommend Approval w/amendments 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 8; 06/25/11, and is incorporated as part of this record by reference.)

END OF ACTION CONSENT CALENDAR

WHEREUPON, upon motion by Councilman Krupicka, seconded by Councilwoman Pepper and carried unanimously, City Council approved the action consent calendar, with the exception of docket items number 5, 6, 7, and 8, which were considered under separate motions, as follows:

- 3. City Council approved the Planning Commission recommendation.
- 4. This item was for informational purposes only. No approval was needed.

The voting was as follows:

Krupicka	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Hughes	"aye"
	Smedberg	"aye"	

- 5. ENCROACHMENT #2011-0002
511, 515, MOUNT VERNON AVENUE, 401, 405, 407 and 411 EAST BRADDOCK ROAD - YATES CORNER

Public Hearing and Consideration of a request for approval of an encroachment into the public right-of-way for an ornamental wall, planters and planting beds; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 5; 06/25/11, and is incorporated as part of this record by reference.)

The following person participated in the public hearing for this item:

(a) Amy Slack, 2307 East Randolph Avenue, spoke in favor of the encroachment but expressed concern that the community has not had the opportunity to see the exact designs for the encroachment.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Pepper and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Pepper	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

6. **SPECIAL USE PERMIT #2011-0032**
407 EAST BRADDOCK ROAD (Parcel Addresses: 515 Mt. Vernon Avenue, 401, 405 E. Braddock Road)
YATES CORNER - DRY CLEANING BUSINESS
Public Hearing and Consideration of a request to operate a dry cleaning business; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 6; 06/25/11, and is incorporated as part of this record by reference.)

The following person participated in the public hearing for this item:

(a) Katy Cannady, 20 East Oak Street, spoke in favor of the proposed development.

WHEREUPON, upon motion by Councilwoman Pepper, seconded by Vice Mayor

Donley and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation. The voting was as follows:

Pepper	"aye"	Fannon	"aye"
Donley	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

7. SPECIAL USE PERMIT #2011-0034
511 & 515 MOUNT VERNON AVENUE (Parcel Addresses: 515 Mt. Vernon Avenue, 401, 405 E. Braddock Road)
YATES CORNER - LIGHT AUTO REPAIR
Public Hearing and Consideration of a request to operate a light auto repair business; zoned CSL/Commercial Service Low. Applicant: Yates Holdings, LLC represented by Duncan Blair, attorney

PLANNING COMMISSION ACTION: Recommend Approval 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 7; 06/25/11, and is incorporated as part of this record by reference.)

The following person participated in the public hearing for this item:

- (a) Duncan Blair, 524 King Street, attorney for the applicant, requested an amendment to condition #13 concerning the use of the property for car washing service.

WHEREUPON, upon motion by Councilwoman Pepper, seconded by Vice Mayor Donley and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation with an amendment to condition #13, deleting the following sentence, "No washing facilities of vehicles shall take place on site unless a plan is approved for commercial car washing equipment." The voting was as follows:

Pepper	"aye"	Fannon	"aye"
Donley	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

8. SPECIAL USE PERMIT #2011-0033
411 EAST BRADDOCK ROAD (Parcel Addresses: 515 Mt. Vernon Avenue, 401, 405 E. Braddock Road)
YATES CORNER - 7-ELEVEN
Public Hearing and Consideration of a request for the continued operation of a convenience store; zoned CSL/Commercial Service Low. Applicant: 7-Eleven,

Inc., represented by Michael Vanderpool, attorney

PLANNING COMMISSION ACTION: Recommend Approval w/amendments 6-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 8; 06/25/11, and is incorporated as part of this record by reference.)

The following persons participated in the public hearing for this item:

(a) Leslie Zupan, 1309 Queen Street, representing the West Old Town Citizens Association, requested that Council consider policy changes that would require labeling of alcohol products sold at the 7-Eleven and other establishments, enabling the tracking of sales and hopefully curbing some of the neighborhood problems associated with alcohol abuse.

(b) Katy Cannady, 20 East Oak Street, spoke in support of the redevelopment of 7-Eleven.

(c) Poul Hertel, 1217 Michigan Court, spoke in support of the redevelopment of 7-Eleven.

(d) Mike Vanderpool, 9200 Church Street, Manassas, Virginia, attorney for the applicant, support in of the proposed redevelopment and expressed a willingness to work with the neighborhood to address any issues of concern that they have.

WHEREUPON, upon motion by Councilman Krupicka, seconded by Councilwoman Pepper and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation. The voting was as follows:

Krupicka	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Hughes	"aye"
	Smedberg	"aye"	

*****Please note: The following docket item was heard following docket item #8*****

15. MASTER PLAN AMENDMENT #2011-0003
MASTER PLAN AMENDMENT #2011-0004
760 & 800 JOHN CARLYLE STREET; 1700 & 1800 EISENHOWER AVENUE;
340, 350, & 400 HOOFS RUN DRIVE
Public Hearing and Consideration of a request for a master plan amendment of the Eisenhower East Small Area Plan to transfer floor area between blocks within the South Carlyle neighborhood and associated conditions including calculation of the Allowable Gross Floor Area; zoned CDD#11/Coordinated Development District -11. Applicants: City of Alexandria Sanitation Authority,

Carlyle Centre, LP, Carlyle Plaza, LLC and Virginia Concrete Company represented by Kenneth Wire.

PLANNING COMMISSION ACTION: MPA#2011-0003: Adopted Resolution 5-0
MPA#2011-0004: Adopted Resolution 5-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 15; 06/25/11, and is incorporated as part of this record by reference.)

Planning and Zoning Urban Planner Parker gave an explanation of the proposed floor area transfer and responded to questions from Council.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Pepper and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Pepper	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

*****Please note: The following ordinance was approved following docket item #8.*****

- 26. Public Hearing, Second Reading and Final Passage of an Ordinance to Dispose of City-owned Property on East Braddock Road. (#19, 6/14/11)

(A copy of the City Manager's memorandum dated June 8, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 26; 06/25/11, and is incorporated as part of this record by reference.

A copy of the informal memorandum explaining the ordinance is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 2 of Item No. 26; 06/25/11, and is incorporated as part of this record by reference.

A copy of the ordinance referred to in the above item, of which each Member of Council received a copy not less than 24 hours before said introduction, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 3 of Item No. 26; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Councilman Krupicka, seconded by Councilwoman Pepper and carried unanimously by roll-call vote, City Council adopted an ordinance to dispose of City-owned property on 401 East Braddock Road. The voting was as follows:

Krupicka	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Hughes	"aye"
	Smedberg	"aye"	

The ordinance reads as follows:

ORDINANCE NO. 4721

AN ORDINANCE approving and authorizing the sale of property owned by the City of Alexandria, located at 401 East Braddock Road in the City of Alexandria, Virginia to Yates Holding Company, LLC.

WHEREAS, the City of Alexandria owns the real property located at 401 East Braddock Road in Alexandria, Virginia, having acquired it as open space on or about April 18, 1985; and

WHEREAS, the City Council has previously declared 401 East Braddock Road to be surplus property and authorized the City Manager to negotiate for the potential sale of the property; and

WHEREAS, the City has received an offer from Yates Holding Company LLC, the owner of adjoining property, to purchase 401 East Braddock Road; and

WHEREAS, the city manager has recommended the sale of this property to Yates Holding Company, LLC for the sum of \$280,500, subject to a \$150,000 environmental escrow capping the City's potential environmental liability for the property, an open space easement and other terms and conditions as set forth more specifically in the June 14, 2011 Docket Memorandum, the terms of which are incorporated by reference herein; and

WHEREAS, the city council is of the opinion that the sale of this property is in the public interest will otherwise advance the City's land use goals; now, therefore,

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That the sale of the real property described below to Yates Holding Company, LLC for the sum of \$280,500, subject to a \$150,000 environmental escrow capping the City's potential environmental liability for the property, an open space easement and other terms and conditions as set forth more specifically in the June 18, 2011 Docket Memorandum, be, and the same is hereby, approved and authorized:

Lot numbered TWO (2), Block ONE (1), ROSEMONT PARK, as the same appears duly dedicated, platted and recorded in Deed Book 1146, page 666, among the land records

of the City of Alexandria, less and except the portion of the property acquired by the Commonwealth of Virginia by deed, as set forth in Deed Book 1646, page 149, among the land records of the City of Alexandria.

Section 2. That the city manager be and hereby is authorized, on behalf of the City of Alexandria, to do all things necessary and desirable to carry out the sale of the real property described in Section 1, including, but not limited to, the execution and delivery of a purchase agreement, environmental escrow agreement, deed and other appropriate documents.

Section 3. That the city clerk be and is hereby authorized to attest to the execution of the deed and other necessary documents executed by the city manager pursuant to Section 2, and to affix thereon the official seal of the City of Alexandria, Virginia.

Section 4. That this ordinance shall become effective upon the date and at the time of its final passage.

REPORTS AND RECOMMENDATIONS OF THE CITY MANAGER

9. Public Hearing on the Design Proposal for the Charles Hamilton Houston Memorial. (11, 6/14/11)

(A copy of the City Manager's memorandum dated June 9, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 9; 06/25/11, and is incorporated as part of this record by reference.)

Deputy Director of Recreation, Parks and Cultural Activities Carrel gave a presentation on the proposed Charles Hamilton Houston Memorial and responded to questions from Council regarding the project and fundraising to complete the project.

WHEREUPON, upon motion by Councilwoman Hughes, seconded by Councilwoman Pepper and carried unanimously, City Council closed the public hearing and accepted the design proposal for the Charles Hamilton Houston Memorial. The voting was as follows:

Hughes	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

OTHER

10. Discussion of Process for Proceeding With Consideration of the Proposed Waterfront Plan.

(A copy of the City Manager's memorandum dated June 23, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 10; 06/25/11, and is incorporated as part of this record by reference.)

Councilwoman Pepper stated that a work group with a smaller number would not be sufficient and a member of Council should not be a part of the proposed work group. Councilwoman Pepper also stated that a member of the Archaeology Commission should be a part of the proposed work group. Councilwoman Pepper noted that the work group meeting would always be public meetings with a time for the public to offer their opinion during each meeting.

Vice Mayor Donley stated that the group needs to be small enough for there to be an exchange of ideas and to be able to conduct relevant discussions but not so large that it becomes uncontrollable. Vice Mayor Donley noted that staff should be there to support the group and he pointed out that the City Attorney should be part of the support staff to help the group understand the legal questions and issues surrounding the Waterfront Plan. Vice Mayor Donley stated that the group should look at the plan, identify the elements which can be agreed upon and discuss the elements that are causing contention.

Councilman Smedberg stated that the group should be small but large enough to represent all of the interests on the waterfront, not just the ones that have been most vocal. Councilman Smedberg noted that the City Attorney should be a part of the staff support to help explain all the legal matters and zoning complexities and a Council member should be present as a convener to keep the meetings on track. Councilman Smedberg stated that the ideas that come from this group should look toward the future of the waterfront and everyone needs to be more respectful of other viewpoints in order for a compromise to be reached.

Councilman Fannon stated that there should be approximately 15 people on the work group and the people should have specialized knowledge which will help the group come up with a compromise. Councilman Fannon also stated that a Council member should be part of the group and public comments should be part of the discussion.

Councilwoman Hughes noted that each property owner should be part of the group, a member of the Old Dominion Boat Club, members of civic associations, particularly ones that represent neighborhoods beyond Old Town. Councilwoman Hughes stated that the group members should have expertise or knowledge in planning and urban landscape design and the group should pick the Council member they would like to be part of the group.

Councilman Krupicka stated that he would like to include more people in the group in order to give all groups in the City a chance to voice their opinion on the Waterfront Plan. Councilman Krupicka noted that a facilitator should be hired to mediate the meetings and the group should decide the ground rules for discussion.

Councilman Krupicka stated that the purpose of the group was to gather alternative ideas and views for improving the Waterfront, evaluate the opinion from a legal, financial and practical viewpoint and present the recommendations to Council to consider at a public hearing.

City Council offered ideas for the composition of the proposed citizen group for the continued discussion of the proposed waterfront plan giving staff some guidance for the discussion at the Tuesday, June 28 Legislative meeting. City Council requested that there be 12-15 members and the Mayor-appointed advisory group should consist of the following: one member of Council; a member of the Parks and Recreation Commission; a member of the Arts Commission; a member of Historic Alexandria Resources Commission; a member of the Waterfront Committee; a member of Old Town Civic Association; a member of North Old Town Civic Association; a Chamber of Commerce representative who is also a resident of the City; a representative of one of the property owners; two citizens at-large, preferably with some expertise in landscaping and urban design; and a representative from Citizens for an Alternative Alexandria Waterfront Plan. This group would be staffed by the Department of Planning and Zoning and the City Attorney's Office. The meetings of this group should be public and there should be an outside facilitator with knowledge of the proposed plan. This is guidance for staff to return with a framework for discussion on Tuesday, June 28.

REPORTS OF BOARDS, COMMISSIONS AND COMMITTEES (continued)

Planning Commission (continued)

11. SPECIAL USE PERMIT #2011-0018
500 JOHN CARLYLE STREET (Parcel Address: 520 John Carlyle Street)
ITALIAN GOURMET DELI AND MARKET
Public Hearing and Consideration of a request to allow off premises beer and wine sales at an existing restaurant; zoned CDD #1/Coordinated Development District. Applicant: Pukhraj Kapoor

PLANNING COMMISSION ACTION: Recommend Approval w/amendments 5-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 11; 06/25/11, and is incorporated as part of this record by reference.)

The following person participated in the public hearing for this item:

- (a) Elizabeth L. Smith, 430 John Carlyle Street, spoke in favor of the Special Use Permit but expressed concern about the hours scheduled for supply delivery and requested that Council modify the delivery times.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilman

Smedberg and carried unanimously, City Council approved the Planning Commission recommendation with an amendment to condition #26 stating that, "Supply deliveries, loading and unloading activities shall occur between the hours of 7a.m. - 7 p.m." The voting was as follows:

Donley	"aye"	Fannon	"aye"
Smedberg	"aye"	Krupicka	"aye"
Euille	"aye"	Hughes	"aye"
	Pepper	"aye"	

12. SPECIAL USE PERMIT #2011-0010
503 KING STREET, CVS/PHARMACY
Public Hearing and Consideration of a request for a ground floor retail establishment over 10,000 square feet, zoned KR/King Street Retail. Applicant: CVS/Caremark, Inc., represented by Eugene Harris, agent

PLANNING COMMISSION ACTION: Recommend Approval w/amendments 7-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 12; 06/25/11, and is incorporated as part of this record by reference.)

The following person participated in the public hearing on this item:

- (a) Mary Catherine Gibbs, 307 North Washington Street, attorney for the applicant, spoke in support of the proposed project, recognized members of the audience who where in support of the project and requested an amendment to condition #2 relating to hours of operation.

WHEREUPON, upon motion by Councilwoman Pepper, seconded by Councilman Smedberg and carried unanimously, City Council approved the Planning Commission recommendation with the exclusion of condition #2 which states, "The hours of operation may be 24 hours/day provided that these hours coincide with the hours of operation for the pharmacy portion of the business." The condition will state, "The hours of operation may be up to 24 hours/day." The voting was as follows:

Pepper	"aye"	Donley	"aye"
Smedberg	"aye"	Fannon	"aye"
Euille	"aye"	Hughes	"aye"
	Krupicka	"aye"	

13. MASTER PLAN AMENDMENT #2011-0002
REZONING #2011-0001
CDD CONCEPT PLAN #2011-0001
TEXT AMENDMENT #2011-0009
DEVELOPMENT SPECIAL USE PERMIT #2010-0027

SPECIAL USE PERMIT TMP #2011-0011
717, 719, 723 & 735 NORTH SAINT ASAPH STREET, 716 NORTH PITT
STREET
HARRIS TEETER/RESIDENTIAL

Public Hearing and Consideration of a request for: A) an amendment to the Old Town North Small Area Plan Chapter of the City Master Plan to change the land use designation from commercial to mixed use; B) an amendment to the City's zoning map to change the zoning from CD to CDD; C) approval of a CDD concept plan; D) initiation of a text amendment; a text amendment to the City's Zoning Ordinance to amend the CDD table; E) a development special use permit, with site plan and modifications, for a mixed use retail/residential development, including a request for a parking reduction and retail (grocery) store larger than 20,000 square feet; F) a transportation management plan; zoned CD/Commercial Downtown. Applicant Alexandria Old Town North, LLC represented by Kenneth Wire, attorney

PLANNING COMMISSION ACTION: MPA#2011-0002: Resolution adopted
w/amendments 6-0
REZ: Recommend Approval 6-0
CDD: Recommend Approval 4-1-1
TA: Recommend Approval
w/amendments 6-0
DSUP: Recommend Approval
w/amendments 5-1

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked as Exhibit No. 1 of Item No. 13; 06/25/11, and is incorporated as part of this record by reference.)

Deputy Director of Planning and Zoning Ross stated that the protest petition filed on Friday was reviewed and it was determined by staff that there were insufficient number of signatures representing an insufficient amount of land area to meet the requirements in the Zoning Ordinance. Ms. Ross stated that the petition was determined not to be sufficient to trigger a super majority vote by Council on the docket item #13. This determination was made by the Director of Planning and Zoning.

Councilwoman Hughes inquired whether the Board could represent all the residents and if that was the case, how does that affect how the rule is applied.

In response to Councilwoman Hughes, Deputy Director Ross explained how the rule was applied to the condominium building. Deputy Director Ross stated that the determination was made, in conjunction with the City Attorney's Office, that the board does not represent the interest of all the condo owners and she noted that there was a question whether the document that Councilwoman Hughes was referring to actually opposed the rezoning of the proposed property. Deputy Director Ross noted that in order to challenge any decision, an appeal may be filed with the Board of Zoning

Appeals.

Planning and Zoning Division Chief Wright and Urban Planner Willger explained the different aspects of the project and responded to questions from Council about the proposed project. Transportation and Environmental Services Plan Review Engineer Melkerson explained the parking and transportation aspect of the proposed project and responded to questions from Council.

The following persons participated in the public hearing on this item:

(a) Kenneth Wire, 1750 Tysons Boulevard, Suite 1800, McLean, VA, attorney for the applicant, spoke in support of the proposed project and explained different aspects and the planning of the project. Mr. Wire responded to questions from Council regarding the project.

(b) David Weinman, 400 Madison Street, President, Alexandria House Condo Board, submitted a statement opposing the denial of the protest petition for the record and spoke in opposition to the project as presently constituted.

(c) Michael Wenk, 400 Madison Street, #1710, spoke in opposition to the proposed project, noting that the residential and customer entrance being on the side of the Alexandria House was one of the sources of opposition.

(d) John Rahmig, 400 Madison Street, #1602, spoke in opposition to the proposed project.

(e) Paul Pearson, 400 Madison Street, #2109, spoke in opposition to the proposed project.

(f) Bruce Scholnick, 400 Madison Street, #1403, spoke in opposition to the proposed project.

(g) Nancy Kincaid, 400 Madison Street, #1408, spoke in opposition to the proposed project.

(h) Allyn Troutman, 400 Madison Street, #1308, spoke in opposition to the proposed project.

(i) Rick Gutwald, 400 Madison Street, #502, spoke in opposition to the proposed project.

(j) Mary Rust, 507 North West Street, spoke in support of the proposed project.

(k) Jerry Warner, 400 Madison Street, #2208, spoke in opposition to the proposed project.

(l) Charles Ratliff, 400 Madison Street, #1402, spoke in opposition to the proposed project.

(m) Kirsten Kulis, 1218 West Abingdon Drive, spoke in support of the proposed project.

(n) Charlotte Hall, 205 The Strand, representing the Old Town Business Association, spoke in support of the proposed project.

(o) Andrew Macdonald, 217 North Columbus Street, spoke in opposition of the proposed project.

(p) Mark Boudreau, 506 Oronoco Street, spoke in the support of the proposed project.

(q) Stephanie Landrum, 1610B Hunting Creek Drive, representing the Alexandria Economic Development Partnership, spoke in support of the proposed project and its furtherance of the economic development in the City.

(r) Peter Crouch, 215 South Alfred Street, spoke in support of the proposed project.

(s) Nancy Belmont, 212 East Windsor Avenue, spoke in support of the proposed project.

(t) Judith Jones, 400 Madison Street, #1801, spoke in opposition to the proposed project.

(u) Jo Hoots, 400 Madison Street, #1406, spoke in opposition to the proposed project.

(v) Richard Seline, 711 Chalfonte Drive, spoke in support of the proposed project.

(w) John Ross, 801 North Pitt Street, spoke in support of the proposed project.

(x) Tim Geary, 1202 Michigan Court, spoke in support of the proposed project.

(y) Cathleen Curtin, 501 Princess Street, spoke in support of the proposed project.

(z) Robert Rowe, 507 Princess Street, President, Bulfinch Square Homeowners Association, spoke in support of the proposed project.

(aa) Frances Zorn, 400 Madison Street, #308, spoke in opposition of the proposed project.

(bb) Philip Matyas, 219 North Pitt Street, spoke in opposition of the proposed project.

(cc) Paul Frommer, 1023 North Royal Street, #207, spoke in support of the proposed project.

(dd) Thomas Hickok, 801 North Pitt Street, #1703, President, Port Royal Condo Association, spoke in support of the proposed project.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilman Smedberg and carried unanimously, City Council closed the public hearing. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Smedberg	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Pepper	"aye"	

Planning and Zoning staff and the attorney for the applicant responded to questions from Council concerning the residential/customer entrance, layout of urban stores, parking and wayfinding signs, proposed bikesharing program and access for emergency vehicles to the area.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilman Smedberg and carried unanimously, City Council approved the Planning Commission recommendation on Master Plan Amendment #2011-0001. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Smedberg	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Pepper	"aye"	

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Hughes and carried unanimously, City Council approved the Planning Commission recommendation on Rezoning #2011-0001. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Hughes	"aye"	Krupicka	"aye"
Euille	"aye"	Pepper	"aye"
	Smedberg	"aye"	

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman

Hughes and carried unanimously, City Council approved the Planning Commission recommendation on CDD Concept Plan #2011-0001. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Hughes	"aye"	Krupicka	"aye"
Euille	"aye"	Pepper	"aye"
	Smedberg	"aye"	

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilman Smedberg and carried unanimously, City Council approved the Planning Commission recommendation on Text Amendment #2011-0009. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Smedberg	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Pepper	"aye"	

WHEREUPON, a motion was made by Vice Mayor Donley and seconded by Councilman Smedberg, to approve the Planning Commission recommendation of DSUP #2010-0027.

A substitute motion was made by Councilwoman Hughes to approve the Planning Commission recommendation on DSUP #2010-0027 with the following amendment: that the residential ingress/egress be moved to St. Asaph Street. The motion failed for lack of a second.

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilman Smedberg and carried unanimously, City Council approved the Planning Commission recommendations with the following amendments: (1) add a condition #117 stating, "the applicant shall employ traffic control management on peak shopping days where traffic volume associated with the grocery store are expected to be heavy for monitoring the flow into and out of the retail/residential garage subject to the approval of the Director of Transportation and Environmental Services"; (2) delete conditions 29 (d), (e), and (f) and add condition 29(d) to read as follows, "excess parking within the residential portion of the project shall be made available to the retail employees on an as needed basis"; (3) add condition #118 stating, "the money earmarked for the proposed BikeShare may be used for transportation improvement in the surrounding neighborhood if the BikeShare program is not implemented"; (4) add condition #119 stating, "the Director of Planning and Zoning shall review the operations of the grocery store and residential component one year after the issuance of the last certificate of occupancy in the proposed new building and shall docket the matter for consideration by the Planning Commission and City Council if (a) there have been documented violations of the DSUP conditions which were not corrected immediately, constitute repeat violations or which create a direct and immediate adverse zoning impact on the surrounding community; or (b) the director has determined that there are problems with the operation of the use and that new or revised conditions are needed; and (5) a revision

to condition #44 stating, "The applicant shall work with the City to install a bike share station on their site frontage or directly across the street from the project as part of a coordinated bike share program." The voting was as follows:

Donley	"aye"	Fannon	"aye"
Smedberg	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Pepper	"aye"	

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Pepper and carried unanimously, City Council approved the Planning Commission's recommendation on Special Use Permit TMP #2011-0011. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Pepper	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

14. THIS IS FOR INFORMATION ONLY -- NO APPROVAL NEEDED
CITY CHARTER SECTION 9.06 CASE #2011-0001
INTERSECTION OF KING AND BEAUREGARD STREETS
Consideration of a proposal to acquire public right-of-way for improvements and easements pursuant to Section 9.06 of the City Charter at the intersection of King and Beauregard Streets. Staff: Department of Transportation and Environmental Services

PLANNING COMMISSION ACTION: Approved 5-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 14; 06/25/11, and is incorporated as part of this record by reference.)

This item is for informational purposes only. No approval was needed.

16. TEXT AMENDMENT #2011-0007
A-FRAME SIGN PROGRAM
Public Hearing and Consideration of a text amendment to the City's Zoning Ordinance to include regulations allowing A-frame signs on King Street. Staff: Department of Planning and Zoning

PLANNING COMMISSION ACTION: Recommend Approval 5-0

(A copy of the Planning Commission report dated June 7, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 16; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Councilman Krupicka, seconded by Councilwoman Pepper and carried unanimously, City Council closed the public hearing and approved the Planning Commission recommendation. The voting was as follows:

Krupicka	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Hughes	"aye"
	Smedberg	"aye"	

17. SPECIAL USE PERMIT #2010-0079
4646 SEMINARY ROAD
ALEXANDRIA CITY PUBLIC SCHOOLS - FRANCIS HAMMOND
Public Hearing and Consideration of a request to allow lighting on an existing athletic field and a modification to the minimum front yard setback; zoned R-8 & 20/Single Family Residential. Applicant: Alexandria City Public Schools represented by Kevin Van Hise

PLANNING COMMISSION ACTION: Recommend Approval w/Amendments 4-2
THIS ITEM WAS DEFERRED

ORDINANCES AND RESOLUTIONS

18. Public Hearing, Second Reading and Final Passage of an Ordinance to Establish the Tier II Potomac Yard Metrorail Station Special Services District. (#16, 5/24/11)

(A copy of the City Manager's memorandum dated May 19, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 18; 06/25/11, and is incorporated as part of the record by reference.

A copy of the informal memorandum explaining the ordinance is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 2 of Item No. 18; 06/25/11, and is incorporated as part of this record by reference.

A copy of the ordinance referred to in the above item, of which each Member of Council received a copy not less than 24 hours before said introduction, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 3 of Item No. 18; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Pepper and carried unanimously by roll-call vote, City Council closed the public hearing and adopted an ordinance to establish the Tier II Potomac Yard Metrorail Station Special Services District. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Pepper	"aye"	Hughes	"aye"

Euille "aye" Krupicka "aye"
Smedberg "aye"

The ordinance reads as follows:

ORDINANCE NO. 4722

AN ORDINANCE to authorize creation of Tier II Potomac Yard Metrorail Station Special Services District, pursuant to Va. Code Section 15.2-2400, et seq.

WHEREAS, pursuant to Va. Code Section 15.2-2400, et seq., the City of Alexandria is authorized to establish service districts for portions of the City for the purpose of providing additional, more complete or more timely governmental services than may be needed or desired in the remainder of the City; and

WHEREAS, based upon the development approvals previously recommended by the Planning Commission and passed by City Council, as well as other approvals passed by City Council related to the Potomac Yards area in the City, the City Council has determined that a need exists to fund the research, planning, approvals and construction of a Metrorail Station as a feature of Potomac Yards, as well as other infrastructure related thereto, through the creation of a service district to be known as the Tier II Potomac Yard Metrorail Station Special Services District (hereafter the "PYM-II Service District");

NOW, THEREFORE, THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That the PYM-II Service District is hereby established, with the boundaries thereof and parcels included therein as described in the notice previously published pursuant to Va. Code Section 15.2-2400 and -2402, which is attached hereto as Exhibit A, with a service tax rate not to exceed ten cents per one hundred dollars of assessed value exclusive of all other applicable taxes. This tax is not to be applicable until January 1 of the first calendar year after the Potomac Yard Metrorail Station is open to the public for revenue service.

Section 2. That the PYM-II Service District is established for the purpose of providing facilities and services related to the construction of the Potomac Yard Metro Station, including, but not limited to, studies, assessments and analysis of environmental and other impacts, any required local, state or federal governmental approvals, environmental preservation and mitigation, acquisition of real property or temporary and permanent easements therein, temporary or permanent relocation of roadways, rail lines or other infrastructure, and construction of the station, rail crossings, bridges, walkways and any other related infrastructure. The City will use revenues from the PYM-II Service District to construct a pedestrian bridge over the existing rail lines from Potomac Greens to Potomac Yards, whether or not the other infrastructure referenced herein is completed.

Section 3. That the planned facilities may be constructed and planned services provided by the City alone, in partnership with or by the Washington Metropolitan Area Transit Authority, via contractors or other third parties, subject to applicable management and oversight by the City pursuant to appropriate governing contracts, leases, or other agreements.

Section 4. That the benefits to be expected from the creation of the PYM-II Service District and the provision of the aforesaid facilities and services within said District include, without limitation, increased and more timely transit capacity, minimizing impact on neighboring areas, increased quality of life for area residents, reduction in vehicular traffic and the creation of a vibrant, dynamic urban mixed-use development within Potomac Yards.

Section 5. That staff is directed to promptly prepare an appropriate implementation ordinance codifying the PYM-II Service District in Title 3 of the City Code.

Section 6. That this ordinance shall become effective upon the date and at the time of its final passage.

19. Public Hearing, Second Reading and Final Passage of an Ordinance to Amend and Reordain Section 10-113 (Administrative Approval of Certain Permits) of Section 10-100 (Old and Historic Alexandria District), Section 10-213 (Administrative Approval of Certain Permits) of Section 10-200 (Parker Gray District) Both of Article X (Historic Districts and Buildings) of the City of Alexandria Zoning Ordinance and To Add and Ordain Section 10-316 (Administrative Approval of Certain Permits) to Section 10-300 (Preservation of Certain Buildings and Structures Over 100 Years Old Outside the Old and Historic Alexandria District and the Parker Gray District) of Article X (Historic Districts and Buildings), All In Accordance With The Text Amendment Heretofore Approved By City Council as Text Amendment No. 2011-0008. (#13, 6/14/11)

(A copy of the informal memorandum explaining the ordinance is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 19; 06/25/11, and is incorporated as part of this record by reference.

A copy of the ordinance referred to in the above item, of which each Member of Council received a copy not less than 24 hours before said introduction, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 2 of Item No. 19; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Councilwoman Hughes, seconded by Councilwoman Pepper and carried unanimously by roll-call vote, City Council closed the public hearing and adopted an ordinance to amend and reordain Section 10-113 of Section 10-100, Section 10-213 of Section 10-200 of the City of Alexandria Zoning Ordinance and to add and ordain Section 10-316 to Section 10-300 of Article X, all in

accordance with the text amendment heretofore approved by City Council as Text Amendment No. 2011-0008. The voting was as follows:

Hughes	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

The ordinance reads as follows:

ORDINANCE NO. 4723

AN ORDINANCE to amend and reordain Section 10-113 (ADMINISTRATIVE APPROVAL OF CERTAIN PERMITS) of Section 10-100 (OLD AND HISTORIC ALEXANDRIA DISTRICT), Section 10-213(ADMINISTRATIVE APPROVAL OF CERTAIN PERMITS) of Section 10-200 (PARKER GRAY DISTRICT) both of Article X (HISTORIC DISTRICTS AND BUILDINGS) of the City of Alexandria Zoning Ordinance and to add and ordain Section 10-316 (ADMINISTRATIVE APPROVAL OF CERTAIN PERMITS) to Section 10-300 (PRESERVATION OF CERTAIN BUILDINGS AND STRUCTURES OVER 100 YEARS OLD OUTSIDE THE OLD AND HISTORIC ALEXANDRIA DISTRICT AND THE PARKER GRAY DISTRICT) of Article X (HISTORIC DISTRICTS AND BUILDINGS), all in accordance with the text amendment heretofore approved by city council as Text Amendment No. 2011-0008.

WHEREAS, the City Council finds and determines that:

1. In Text Amendment No. 2011-0008, the planning commission, having found that the public necessity, convenience, general welfare and good zoning practice so require, recommended approval to the City Council on April 5, 2011 of a text amendment to the Zoning Ordinance to allow administrative approval of Minor Architectural Elements in the historic districts and for buildings designated as 100 year old buildings, which recommendation was approved by the City Council at public hearing on April 16, 2011;
2. The City Council in adopting this ordinance expressly adopts, ratifies, affirms and concurs in the finding and action of the Planning Commission above stated;
3. All requirements of law precedent to the adoption of this ordinance have been complied with; now, therefore,

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That Section 10-113 of the Zoning Ordinance be, and the same hereby is, amended by deleting and inserting new language, as shown

Sec. 10-113 *Administrative approval of certain permits* . The director may review and approve applications for the following exterior changes, provided they ~~these signs which~~ comply with the specific criteria and standards outlined and formally approved by the board.

- (a) Signs;
- (b) Minor architectural elements, such as residential accessibility structures; sheds; storm doors; gutters and downspouts; utility meters, vents and HVAC condensers; fences and gates; exterior lighting and shutters; siding and trim; railings; and, antennas.

Section 2. That Section 10-213 of the Zoning Ordinance be, and the same hereby is, amended by deleting and inserting new language, as shown.

Sec. 10-213 *Administrative approval of certain permits* . The director may review and approve applications for the following exterior changes, provided they ~~these signs which~~ comply with the specific criteria and standards outlined and formally approved by the board.

- (a) Signs;
- (b) Minor architectural elements, such as residential accessibility structures; sheds; storm doors; gutters and downspouts; utility meters, vents and HVAC condensers; fences and gates; exterior lighting and shutters; siding and trim; railings; and, antennas.

Section 3. That Section 10-316 of the Zoning Ordinance be, and the same hereby is, added by inserting new language, as shown.

Sec. 10-316 *Administrative approval of certain permits.* The director may review and approve applications for minor architectural elements, such as residential accessibility structures; sheds; storm doors; gutters and downspouts; utility meters, vents and HVAC condensers; fences and gates; exterior lighting and shutters; siding and trim; railings; and, antennas, provided they comply with the specific criteria and standards outlined and formally approved by the board.

Section 4. That the director of planning and zoning be, and hereby is, directed to record the foregoing text amendments.

Section 5. That Sections 10-113, 10-213, and 10-316, as amended pursuant to Sections 1, 2 and 3 of this ordinance, be, and the same hereby are, reordained as part of the City of Alexandria Zoning Ordinance.

Section 4. That this ordinance shall become effective on the date and at the time of its final passage, and shall apply to all applications for land use, land development or subdivision approval provided for under the City of Alexandria Zoning Ordinance which may be filed after such date, and shall apply to all other facts and circumstances subject to the provisions of the City of Alexandria Zoning Ordinance, except as may be provided in Article XII of the Zoning Ordinance.

20. Public Hearing, Second Reading and Final Passage of an Ordinance to Amend and Reordain Section 7-2503 (Residential Front Setback and Front Door Threshold in Line With Existing Development) of Section 7-2500 (Infill Regulations for Single and Two Family Residential Zones) of Article VII (Supplemental Zone Regulations) of the City of Alexandria Zoning Ordinance, in Accordance With the Text Amendment Heretofore Approved By City Council as Text Amendment No. 2011-0006. (#14, 6/14/11)

(A copy of the informal memorandum explaining the ordinance is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 20; 06/25/11, and is incorporated as part of this record by reference.

A copy of the ordinance referred to in the above item, of which each Member of Council received a copy not less than 24 hours before said introduction, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 2 of Item No. 20; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Councilwoman Hughes, seconded by Councilwoman Pepper and carried unanimously by roll-call vote, City Council closed the public hearing and adopted an ordinance to amend and reordain Section 7-2503 of Section 7-2500 of Article VII of the City of Alexandria Zoning Ordinance, in accordance with the Text Amendment heretofore approved by City Council as Text Amendment No. 2011-0006. The voting was as follows:

Hughes	"aye"	Donley	"aye"
Pepper	"aye"	Fannon	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

The ordinance reads as follows:

ORDINANCE NO. 4724

AN ORDINANCE to amend and reordain Section 7-2503 (Residential front setback and front door threshold in line with existing development) of Section 7-2500 (INFILL REGULATIONS FOR SINGLE AND TWO FAMILY RESIDENTIAL ZONES) of Article VII (SUPPLEMENTAL ZONE REGULATIONS) of the City of Alexandria Zoning Ordinance, in accordance with the text amendment heretofore approved by city council as Text Amendment No. 2011-0006.

WHEREAS, the City Council finds and determines that:

1. In Text Amendment No. 2011-0006, the planning commission, having found that the public necessity, convenience, general welfare and good zoning practice so require, recommended approval to the City Council on April 5, 2011 of a text amendment to the Zoning Ordinance to revise the residential front door threshold requirements as they apply to certain properties that are within the area required to comply with certain floodplain regulations, which recommendation was approved by the City Council at public hearing on April 16, 2011;

2. The City Council in adopting this ordinance expressly adopts, ratifies, affirms and concurs in the finding and action of the Planning Commission above stated;

3. All requirements of law precedent to the adoption of this ordinance have been complied with; now, therefore,

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That Section 7-2503 of the Zoning Ordinance be, and the same hereby is, amended by deleting and inserting new language, as shown.

7-2503 Residential front setback and front door threshold in line with existing development.

(A) Average Setback. Unless a different rule is specified for a particular zone, wherever the major portion of a block is developed, and the majority of the buildings built on one side of a street between two intersecting streets or between one intersecting street and a street dead end have been built at a uniform front setback forward or behind the minimum front setback prescribed for the zone in which such buildings are located, new residential buildings hereafter erected shall conform to the setback line so established. Absent a majority of buildings at a uniform front setback, the setback shall be established by the average of the front setbacks of the buildings on one side of the street of a block as described above. For all other residential construction, including without limitation, porches and additions, the director may designate an appropriate front setback no closer to the front property line than the established or average setback line. The board of zoning appeals is authorized to grant a special exception under the provisions of section 11-1300 to modify the strict application of this requirement.

(B) Average Threshold. Whenever the major portion of a block is developed, no front door threshold of a single family, two-family or townhouse residential building erected or altered after {January 20,

2007} shall exceed the average height of the front door threshold of the residential buildings built on that block (one side of a street between two intersecting streets or one intersecting street and a street dead end) by more than 20 percent, provided, that

- (1) Additional front door threshold height may be permitted if a special use permit is approved pursuant to section 11-500 of this ordinance, and city council determines that the proposed construction will not detract from the value of and will be of substantially the same residential character as adjacent and nearby properties.
 - (2) No SUP shall be necessary if the additional front door threshold height is the minimum necessary to comply with the floodplain requirements of section 6-306(B).
 - (3) For the purpose of this paragraph 7-2503(B), the height of the front door threshold is defined as the vertical distance between the average pre-construction grade along the front of the building to the top of the threshold. The front door threshold shall accurately reflect the actual location of the first floor of the building, and in all cases the front door threshold shall be measured to the top of the threshold or the top of the highest elevation of the finished first floor, whichever is greater.
- (C) Blockface Determination. For the purposes of this section 7-2503, where the number of buildings on one side of a street between two intersecting streets or between one intersecting street and a street dead end is either fewer than five or where the distance between streets as specified above is less than 200 feet or where the number of buildings is greater than 15 or where the distance between streets as specified above is greater than 600 feet, the director may designate an appropriate block for purposes of calculating front setback and front door threshold height without regard to intersecting streets subject to an administrative protocol, and subject to city council approval as part of the special use permit, if there is one, granted pursuant to this section 7-2502~~3~~.

Section 2. That the director of planning and zoning be, and hereby is, directed to record the foregoing text amendment.

Section 3. That Section 7-2503, as amended pursuant to Section 1 of this ordinance, be, and the same hereby is, reordained as part of the City of Alexandria Zoning Ordinance.

Section 4. That this ordinance shall become effective on the date and at the time of its final passage, and shall apply to all applications for land use, land development or subdivision approval provided for under the City of Alexandria Zoning Ordinance which may be filed after such date, and shall apply to all other facts and circumstances subject to the provisions of the City of Alexandria Zoning Ordinance, except as may be provided in Article XII of the Zoning Ordinance.

- 21. Public Hearing, Second Reading and Final Passage of an Ordinance to Amend and Reordain the City's Fire Prevention Code, Article B (Fire Prevention) of Chapter 2 (Fire Protection and Prevention), Title 4 (Public Safety) of the Code of the City of Alexandria, Virginia 1981 as Amended to Comply With Changes in State Law and Regulations. (#15, 6/14/11)

(A copy of the City Manager's memorandum dated June 2, 2011, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 1 of Item No. 21; 06/25/11, and is incorporated as part of this record by reference.

A copy of the informal memorandum explaining the ordinance is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 2 of Item No. 21; 06/25/11, and is incorporated as part of this record by reference.

A copy of the ordinance referred to in the above item, of which each Member of Council received a copy not less than 24 hours before said introduction, is on file in the Office of the City Clerk and Clerk of Council, marked Exhibit No. 3 of Item No. 21; 06/25/11, and is incorporated as part of this record by reference.)

WHEREUPON, upon motion by Vice Mayor Donley, seconded by Councilwoman Pepper and carried unanimously by roll-call vote, City Council closed the public hearing and adopted an ordinance to amend and reordain the City's Fire Prevention Code, Article B, of Chapter 2, Title 4 of the Code of the City of Alexandria, Virginia, 1981, as amended to comply with changes in State Law and Regulations. The voting was as follows:

Donley	"aye"	Fannon	"aye"
Pepper	"aye"	Hughes	"aye"
Euille	"aye"	Krupicka	"aye"
	Smedberg	"aye"	

The ordinance reads as follows:

ORDINANCE NO. 4725

AN ORDINANCE to amend and reordain Article B (FIRE PREVENTION), Chapter 2 (FIRE PROTECTION AND PREVENTION), Title 4 (PUBLIC SAFETY) of the Code of the City of Alexandria, Virginia, 1981, as amended

THE CITY COUNCIL OF ALEXANDRIA HEREBY ORDAINS:

Section 1. That Article B (FIRE PREVENTION), Chapter 2 (FIRE PROTECTION AND PREVENTION), Title 4 (PUBLIC SAFETY) of the Code of the City of Alexandria, Virginia, 1981, as amended, be, and the same hereby is, amended and reordained, to read as follows:

ARTICLE B Fire Prevention

Sec. 4-2-11 Title.

This article shall be known as the Fire Prevention Code of the City of Alexandria, Virginia.

Sec. 4-2-12 Adoption of Virginia Statewide Fire Prevention Code.

The Virginia Statewide Fire Prevention Code, as promulgated in ~~2006~~ 2009 is hereby adopted and incorporated as if fully set out in this article and as thereafter amended by the Virginia Board of Housing and Community Development, except such portions of the Virginia Statewide Fire Prevention Code as are deleted, modified or amended by section 4-2-21 of this article. All future editions of the Virginia Statewide Fire Prevention Code as promulgated by the Virginia Board of Housing and Community Development are hereby automatically adopted and incorporated into this code.

Sec. 4-2-12.1 Local board of fire prevention code appeals.

The Alexandria Board of Building Code Appeals as created in section 8-1-37 of this code shall serve as the Local Board of Fire Prevention Code Appeals. This board shall hear appeals of the Virginia Fire Prevention Code, its referenced documents, standards and any city amendments.

Sec. 4-2-13 Same--official copy.

One copy of the Virginia Statewide Fire Prevention Code and the ordinances adopted, deletions, modifications and/or amendments thereto shall be manually signed on its cover by the mayor and the fire official and shall be filed and kept at all times in the office of the city clerk.

Sec. 4-2-14 Definition of fire official, ~~fire marshal and code official.~~

Whenever the term "fire official," ~~"fire marshal" and code official"~~ are is used in this article or the Virginia Statewide Fire Prevention Code, ~~they it~~ shall mean the ~~city's Director of Code Enforcement~~ "fire official or designee". The fire official shall be designated by the chief of the fire department. In addition to the fire official, assistant fire marshals, and deputy fire marshals, the chief of the fire department may designate additional personnel as fire inspectors to enforce these provisions.

Sec. 4-2-15 Duties of the fire official, fire marshal, assistant fire marshals, and deputy fire marshals and fire inspectors.

~~(a) The fire official director of code enforcement fire marshal, assistant fire marshals, all deputy fire marshals, all fire inspectors and other authorized employees of the city shall enforce the applicable provisions of this article.~~

~~(b) The city manager shall appoint the fire marshal, assistant fire marshals, deputy fire marshals and fire inspectors.~~

~~(c) The chief of the fire department of the city may designate any members of the fire department as deemed necessary as temporary fire inspectors to make fire safety inspections pursuant to this article.~~

~~(d) (b) (1) The fire official who serves as the chief fire marshal, assistant fire marshals, and deputy fire marshals shall have the same police powers as a sheriff, police officer or law enforcement officer, and in addition to such other duties as may be prescribed by law, shall have the primary responsibility of investigation and prosecution of all offenses involving fire, fire bombings, bombings and attempts to commit such offenses; possession and manufacture of explosive devices, substances and fire bombs; storage, use and transportation of hazardous materials and hazardous wastes and the investigation of all releases of hazardous materials and wastes and all other environmental offenses; false alarms relating to such offenses, and may investigate and prosecute all other criminal or civil offenses under local, state or federal law arising out of or during the investigation of the enumerated offenses, and out of or during such other investigations, and prosecutions as may be approved by the city manager.~~

~~(2) The police powers granted in this section shall not be exercised by the fire marshal, assistant fire marshals, or any deputy fire marshal until such person has satisfactorily completed a course for fire marshals with police powers, designed by the Virginia Department of Fire Programs in cooperation with the Virginia Department of Criminal Justice Services and approved by the Virginia Fire Services Board.~~

~~(3) The fire marshal, assistant fire marshals, and deputy fire marshals with police powers shall continue to exercise such powers only upon satisfactory participation in in-service and advances courses and programs designed by the Virginia Department of Fire Programs in cooperation with the Virginia Department of Criminal Justice Services, and approved by the Virginia Fire Services Board.~~

~~(4) The fire official, fire marshal, assistant fire marshals, and deputy fire marshals, and fire inspectors shall have the authority to enforce the Virginia Statewide Fire Prevention Code, Virginia Maintenance Code, the Uniform Statewide Building Code, the applicable sections of the Code of Virginia and applicable sections of the City of Alexandria Code.~~

Sec. 4-2-15.1 ~~Duties of the Fire Inspectors.~~

(a) The term "fire inspector" shall mean ~~field personnel~~ technical assistants that have authority to conduct inspections, implement and enforce the Virginia Statewide Fire Prevention Code, ~~Virginia Maintenance Code~~, and applicable sections of the City of Alexandria Code.

(b) The appointed fire inspector shall have the responsibility of issuing Virginia Uniform Summons and parking citations in accordance with the Code of Virginia, Virginia Statewide Fire Prevention Code, ~~Virginia Maintenance Code~~, ~~the Virginia Uniform Statewide Building Code~~ and applicable sections of the City of Alexandria Code. Fire Inspectors shall not be granted police powers or implement custodial arrests. The powers granted in this section shall not be exercised by the fire inspectors until such person has satisfactorily completed a course for fire inspectors with summons powers, designed by the Virginia Department of Fire Programs in cooperation with the Virginia Department of Criminal Justice Services and approved by the Virginia Fire Services Board. (~~Ord. No.~~

Sec. 4-2-16 Unlawful boarding or tampering with fire department vehicles.

It shall be unlawful for any person, without proper authorization to cling, attach to, climb upon or board or swing upon any fire department vehicle, whether the vehicle is in motion or at rest, to sound any warning device thereon or to manipulate, tamper with or destroy any lever, valve, switch, starting device, brake, pump or any equipment, protective clothing or tool or a part of the fire department vehicle.

Sec. 4-2-17 Tampering with fire protection devices; failure to report or delaying alarm of fire; failure to report hazardous material incident.

(a) It shall be unlawful for any person to tamper with, damage, destroy, use without just cause or authorization, or to hinder the use of any fire alarm system, fire detection system, fire suppression system, fire protection system, fire extinguishing system, or fire extinguisher installed in any building or any structure within the city.

(b) It shall be unlawful for any person knowingly to delay or cause to be delayed an alarm of fire, or to fail to report an alarm of fire to the fire department.

(c) When a fire or evidence of the occurrence of a fire is discovered, even though it has apparently been extinguished, the person making such discovery shall immediately report the same to the fire department.

(d) It shall be unlawful for any person to reset any fire protection system without prior authorization from the ~~director of code enforcement~~ fire official or his designees. However, the following persons are ~~excepted~~ exempt from this requirement: (1) Fire suppression personnel, (2) Fire protection personnel conducting inspection, testing, service or maintenance on fire protection system during emergencies, and (3) Law enforcement personnel.

(e) It shall be unlawful for any person to knowingly delay or cause to be delayed the immediate reporting to the fire department any incident related to the willful or accidental release, discharge, or dumping of a hazardous material.

Sec. 4-2-17.1 Stairway identification.

~~An Stairway identification system signs as approved by the fire official shall be provided at each landing in all interior exit stairways connecting more than three stories, as required in the Virginia Uniform Statewide Building Code and the Virginia Statewide Fire Prevention Code as amended by the and the Fire Prevention Code of the City of Alexandria, Virginia, identifying the floor level, the level of discharge to the exterior of the structure, the name of designation of the stairway within the structure, and whether there is access to the roof of the structure from the stairway. The bottom of the identification sign shall be located five feet (1,525 mm) above the finished floor landing, at a location, which is readily visible within the stairway and will not be obstructed by the operation of any door into the stairway.~~

~~Stairway identification shall conform to the requirements established in Sec. 4-2-21, Changes in Virginia Statewide Fire Prevention Code, Chapter 1, section 103.4, Appendix D, "Requirements for Stairway Identification".~~

Sec. 4-2-18 Fire hydrant and water mains.

(a) It shall be unlawful for any person to use, tamper with, damage or destroy any fire hydrant, valve or water main, water line, or fire service line within the city, ~~except that the~~ The fire department may use fire hydrants for firefighting or training purposes, and persons who have obtained a permit as provided for in this section from the ~~Code Enforcement Bureau~~ fire official may use the hydrants in accordance with the terms of the permit.

(b) Application for a permit for use of fire hydrants shall be made to the ~~Code Enforcement Bureau~~ fire official on forms provided for this purpose. Any permit shall be subject to the conditions, and specifications, and fees imposed by the ~~Code Enforcement Bureau~~ fire official for the purpose of ~~protection~~ protecting equipment and preventing water leakage. No permit shall be issued unless approval ~~to use water shall first have been~~ is first obtained for from the Virginia-American Water Company to use water from a hydrant. A separate permit shall be required for each hydrant ~~used, each time the hydrant is used~~. A fee of \$100.00 (~~\$10 for charitable or nonprofit groups~~) will be ~~charges charged~~ for each permit issued in accordance with Table 107.2. A if damage occurs to the hydrant, valve, or water main, water line, or fire service line associated with the use of the hydrant or hydrant meter, the permit holder shall be responsible for the costs of labor and materials for any repair or replacement needed after hydrant use. A permit must be in the possession of the actual user at the time of use.

(c) No person shall plant, erect or place any obstruction within ~~four~~ three feet of any hydrant nor shall a person stop, stand or cause a motor vehicle to be placed within 15 feet of a hydrant.

(d) No person shall plant erect or place any obstruction within ~~four~~ three feet of any ~~other~~ fire department connection ~~point~~, whether mounted on the exterior of a structure ~~of~~ or freestanding. All such connections, ~~which are mounted on a building~~ shall be identified by a an approved sign and/or building address as is appropriate for the installation conditions.

Sec. 4-2-19 Impersonation.

It shall be unlawful for any person to ~~to~~ falsely ~~to~~ use a fire department badge, uniform or credentials to be identified ~~identify himself~~ as, or otherwise to impersonate a fire marshal, a fire officer, a fire fighter, ~~a paramedic~~ an emergency medical service provider, ~~an~~ a fire inspector or another authorized representative of the fire department.

Sec 4-2-20, Reserved.

Sec. 4-2-21 Changes in Virginia Statewide Fire Prevention Code.

The Virginia Statewide Fire Prevention Code adopted by the city in section 4-2-12, is deleted, modified, or amended in the following respects:

101.1 Title. The regulations set forth herein, as modified and amended in Section 4-2-21 of The Code of the City of Alexandria, together with the additional regulations in article B of chapter 2, title 4 of that code, shall be known as the Fire Prevention Code of the City of Alexandria, Virginia, and are herein referred to as such or as "the code".

103.4. International Fire Code Appendices and City Appendices. IFC, 2003 Edition, Appendices A, B, C, D, and F and H of the International Fire Code, 2009 Edition and the Fire Prevention Code of the City of Alexandria 2003 Edition are deleted. Appendix H is added. The following appendices replace Appendices A, B, C, and D in both codes and are hereby incorporated as fully enforceable provisions of this code:

APPENDIX A - WATER AND FIRE REQUIREMENTS FOR SITE PLANS AND NEW CONSTRUCTION REQUIREMENTS

SECTION A101 - GENERAL

A101.1 Scope. Appendix A, Water and Fire Requirements for Site Plans Requirements ~~and New Construction~~ provides specific information concerning various fire protection related issues including, fire hydrant and fire main requirements, ~~site plan requirements~~, emergency vehicle access and easements (emergency vehicle easement requirements ~~), and construction features. In addition, this document provides information concerning~~

~~fire department construction site requirements, hydrant permits and acceptance of emergency vehicle easements from the public.~~

~~**A101.2 References.** Code of Virginia, Virginia Uniform Statewide Building Code, Virginia Statewide Fire Prevention Code, the Fire Prevention Code of the City of Alexandria, Virginia, Design and Construction Standards — Department of Transportation and Environmental Services, and Virginia American Water Company Specifications for Pipeline Installation and Street Restoration .~~

~~**A101.3 A101.2 Alternatives.** Alternative approaches to these requirements will be considered on a case-by-case basis and are subject to the review and approval by the Director of Code Enforcement fire official.~~

~~SECTION A102 — FIRE FLOW REQUIREMENTS~~

~~**A102.1 Fire Flow Requirements.** Fire flow requirements shall be based on the methodology described in the Insurance Services Office's (ISO) Fire Suppression Rating Schedule *Guide For Determination of Needed Fire Flow*, Edition 05-2008. This methodology considers building construction, occupancy, adjacent exposed buildings and communication paths between buildings. (See Section A102.10 — Fire Flow Analysis for guidance)~~

~~**A102.2 One and Two Family Dwellings.** The fire flow required shall be based on the minimum exposure distance listed in Table B102.1:~~

~~**Table A102.1 — MINIMUM EXPOSURE DISTANCE**~~

—Minimum Exposure Distance	Fire Flow (GPM)
0 ft.—10 ft.	1,500—2,000
11 ft.—30 ft.	1,000—1,500—
31 ft. and greater	1,000

~~**A102.3 Townhouses or Multiplex Units.** Townhouses or multiplex units (residential or professional) where individual units are not separated by two-hour fire, party, or separation walls require a flow of 2,500 GPM. Townhouses (residential or professional) where individual units are separated by a minimum one-hour fire, party or separation walls and approved fire sprinkler systems establish fire flow requirements based on calculations for Other Uses as described in Section B102.4. Multiplex units (residential or professional) where individual units are separated by two-hour fire, party, or separation walls and approved fire sprinkler systems establish fire flow requirements based on calculations for Other Uses as described in Section B102.4.~~

~~Note: The office of building and code administration reserves the right to increase the required fire flow if building construction issues or access factors present an unusual~~

~~fire or life safety challenge.~~

~~**A102.4 Other Uses.** Fire flow requirements established by the procedures and formula for needed fire flow delineated below is based on the Insurance Services Office (ISO) methodology.~~

~~**A102.5 Computation of Needed Fire Flow.** The needed fire flow shall be calculated at a minimum 20-psi residual pressure on the water system.~~

~~The basic formula is: $NFF_i = (C_i)(O_i)(X + P)_i$~~

~~C_i = Construction factor where: $C_i = 18F$ (picture in original)~~

~~F = coefficient related to type of construction:~~

- ~~• F = 1.5 for wood frame construction (2006 VUSBC Types VA & VB)~~
- ~~• F = 1.0 for ordinary construction (2006 VUSBC Types IIIA & IIIB)~~
- ~~• F = 0.9 for heavy timber construction (2006 VUSBC Type IV)~~
- ~~• F = 0.8 for noncombustible construction (2006 VUSBC Types IIA and IIB)~~
- ~~• F = 0.6 for fire-resistive construction (2006 VUSBC Types IA & IB)~~

~~A (effective building area) = the total area of the largest floor plus:~~

- ~~• Construction Type I & II – 25% of the area not exceeding the other two largest floors when all vertical openings have at least 1 1/2-hour fire-rated protection~~

~~or,~~

- ~~• 50% of the area not exceeding eight other floors when the vertical openings are unprotected or have less than 1 1/2-hour protection.~~

- ~~• Construction Type III through V – 50% of all other floors.~~

~~NOTE: In buildings with mixed construction a value C_m shall be calculated for each class of construction using the effective area of the building. The C_m values are multiplied by their individual percentage of the total area. The C_i applicable to the entire building is the sum of these values. However, the value of the C_i shall not be less than the values for any part of the building based upon its own construction and area.~~

~~O_i = Occupancy Factor, which reflects the combustibility of the occupancy.~~

- ~~• = 0.75 for non-combustible~~
- ~~• = 0.85 for limited combustible~~
- ~~• = 1.00 for combustible~~
- ~~• = 1.15 for free burning~~
- ~~• = 1.25 for rapid burning~~

~~$(X + P)_i$ = Exposure and Communication Factors~~

~~$(X+P)_i = 1.0 + (X_i + P_i)$ (with a maximum value of 1.60)~~

~~Values for X and P are determined from Tables B102.3 and B102.4 containing factors for type of separation or connections, and separation distance. (See Section B102.10—Example Fire Flow Calculation for guidance).~~

~~**A102.6 Minimum Flow.** Fire flow shall never be less than 500 gpm for a structure. Fire flow required for single-family detached dwellings shall never be less than 1,000 gpm. Both values are absolute minimums after all reductions are taken.~~

~~**A102.7 Maximum Flow.** The maximum fire flow shall be as listed in Table B102.2, except for structures requiring special consideration as described in Section B102.8.~~

TABLE A102.2 – MAXIMUM FLOW

Construction Type Flow in gpm	
III, IV or V	8,000
I or II	6,000

~~**A102.8 Reductions Based on Sprinkler Protection.** The value obtained from the formula in Section B102.5, COMPUTATION OF NEEDED FIRE FLOW, may be reduced by 50 percent when the structure under consideration is protected throughout with an approved automatic sprinkler system in accordance with the Virginia Uniform Statewide Building Code and the currently referenced edition of NFPA 13 Standards for the Installation of Sprinkler Systems or other approved fire sprinkler system design and installation codes. Reductions are not permitted for structures with partial protection. The reduction for an installation based on a NFPA 13D system is 25% and the reduction for an installation based on NFPA 13R system is 33%. If the structure presents operationally challenging circumstances, the fire official shall have the authority to review and increase the needed fire flow.~~

~~**A102.9 Special Consideration.** The above calculation procedures do not apply to the following, which require special consideration and direct consultation with the Department of Building and Code Administration:~~

- ~~a. Structures containing a group H fire area~~
- ~~b. Lumber yards~~
- ~~c. Petroleum Storage~~
- ~~d. Refineries~~
- ~~e. Chemical plants~~
- ~~f. Grain storage~~
- ~~g. Power generating facilities~~
- ~~h. Hazardous manufacturing processes~~
- ~~i. Paint, flammable liquid storage~~
- ~~j. High plies combustible storage~~

TABLE A102.3 FACTOR FOR EXPOSURE (Xi)

Factor for exposure (Xi): The Factor for (Xi) depends upon the construction and length-height value (length of wall in feet, times height in stories) of the exposed building and the distance between facing walls of the subject building and exposed building and shall be selected from table B102.3

Construction of Facing Wall of Subject Bldg.	Distance Feet to the Exposed Building	Length-Height of Facing Wall of Exposed Building	Construction of Facing Wall of Exposed Building Classes			
			3,5	1, 2, 4	1, 2, 4	1, 2, 4
	0-10	1-100	0.22	0.21	0.16	0
	—	101-200	0.23	0.22	0.17	0
	—	201-300	0.24	0.23	0.18	0
	—	301-400	0.25	0.24	0.19	0
	—	Over 400	0.25	0.25	0.20	0
	11-30	1-100	0.17	0.15	0.11	0
	—	101-200	0.18	0.16	0.12	0
	—	201-300	0.19	0.18	0.14	0
	—	301-400	0.20	0.19	0.15	0
	—	—	—	—	—	—

Frame, Metal or Masonry with Openings	—	Over 400	0.20	0.19	0.15	0
	31-60	1-100	0.12	0.10	0.07	0
	—	101-200	0.13	0.11	0.08	0
	—	201-300	0.14	0.13	0.10	0
	—	301-400	0.15	0.14	0.11	0
	—	Over 400	0.15	0.15	0.12	0
	61-100	1-100	0.08	0.06	0.04	0
	—	101-200	0.08	0.07	0.05	0
	—	201-300	0.09	0.08	0.06	0
	—	301-400	0.10	0.09	0.07	0
	—	Over 400	0.10	0.10	0.08	0
	Blank Masonry Wall	Facing wall of the exposed building is higher than subject building:— Use the above table EXCEPT use only the length-height of facing wall of the exposed building ABOVE the height of the facing wall of the subject building. Buildings five stories or over in height, consider as five stories— When the height of the facing wall of the exposed building is the same or lower than the height of the facing wall of the subject building, $X_j = 0$ —				

TABLE A102.4 FACTOR FOR COMMUNICATIONS (Pi)

Factor of communications (Pi): The factor for (Pi) depend upon the protection for communicating party wall openings and the length and construction of communications between fire divisions and shall be selected from Table B102.4. When more than one communication type exists in any one side wall, apply only largest factor Pi for that side.

When there is no communication on a side, $P_i = 0$

Description of Protection of Passageway Openings	Fire Resistance, Non-Combustible or Slow-Burning Communications				Communications with Combustible Construction					
					Open			Enclosed		
	Any Length	10 ft. or Less	11 ft. to 20 ft.	21 ft. to 50 ft. +	10 ft. or Less	11 ft. to 20 ft.	21 ft. to 50 ft. +	10 ft. or Less	11 ft. to 20 ft.	21 ft. to 50 ft. +
Unprotected	0	**	0.30	0	0.30	0.20	0.10	**	**	0
Single Class A Fire Door at One End of passageway	0	0.20	0.10	0	0.20	0.15	0	0.30	0.20	0
Single Class B Fire Door at One End of passageway	0	0.30	0.20	0	0.25	0.20	0.10	0.35	0.25	0
Single class A fire door at each end or				0						0

double class A fire doors at one end of passage	0	0	0	0	0	0	0	0	0	
Single class B fire door at each end or double class B fire doors at one end of passage	0	0.10	0.05	0	0	0	0	0.15	0.1	0

* For over 50 feet, $P_i = 0$

** For unprotected passageways of this length, consider the two buildings as a single fire division.

Note: When a party wall has communicating openings protected by a single automatic or self-closing Class B fire door, it qualifies as a division wall for reduction of area. Where communications are protected by a recognized water curtain, the value of P_i is 0.

A102.10 - EXAMPLE FIRE FLOW ANALYSIS

A new cinema building has a footprint area of 77,680 square feet and a gross area of 134,320 square feet. The building is three stories, type 1B construction and is classified as use group A1 for theaters with the ground floor primarily movie theater seating. To the west of the proposed cinema is a high-rise office building 85 feet away. The combined length and height of the high-rise building is over 400 feet. To the north and south there is on grade parking and no structure within 100 feet. To the east there is a high-rise structure that is 45 feet from the cinema. The combined length and height of the high-rise building is over 400 feet. All vertical openings are unprotected or have less than 1 1/2 hour fire rated protection. The facility will have full fire sprinkler protection based on the NFPA 13 standard.

$$\text{Needed Fire Flow} = \text{NFF}_i = (C_i)(O_i)(X+P)_i$$

(1) C_i = Construction Factor where $C_i = 1.8 F$ (picture included in original)

F = coefficient related to type of construction where $F = 0.6$ for fire-resistive construction (2006 VUSBC Types IA & IB)

A = effective building area = the total area of the largest floor plus 50% of the area

not exceeding eight other floors when all vertical openings are unprotected or have at less than 1 1/2 hour fire rated protection for Construction Type I and II where $A =$

$$77,680 + (134,320 - 77,680) \times .50 = 106,000 \text{ square feet}$$

~~$C = 18 \times .6 \times 106,000 = 3516$ gpm (picture included in the original)~~

~~(2) O_i = Occupancy Factor, which reflects the combustibility of the occupancy.~~

~~$O = 1.15$ for free burning based on a conservative design approach from undetermined plastic and fabric seating fixtures.~~

~~(3) $(X + P)_i$ = Exposure and Communication Factors from Tables 102.3 and 102.4. Values for X and P are determined from charts containing factors for type of separation or connections, separation distance.~~

~~$(X_i + P_i) = 1 + (X_i + P_i) = 1.0 + (0.10 + 0.0 + 0.19 + 0.0) + 0 = 1.29$~~

~~Needed Fire Flow = $(C) \times (O) \times (1 + X_i + P_i) = 3,516 \times 1.15 \times 1.29 = 5250$ gpm~~

~~This building will have a NFPA 13 sprinkler system, a 50% reduction is available, therefore:~~

~~N.F.F. = $5250 \times 0.50 = 2,625$ gpm = 2,750 (rounding to the next highest 250 gpm increment)~~

SECTION A103 A102 - SITE PLAN INFORMATION

A103.4 A102.1 Site Plan Requirements. The following general and fire protection information shall be provided on site plans:

1. Submitter name, address, telephone number.
2. Building name and address.
3. Edition of the building code (*Virginia Uniform Statewide Building Code*), occupancy classification, use group and type of construction.
4. Height of building in feet and stories.
5. Foot print area of building and gross floor area of building.
6. Identification of fire walls, fire barriers, other fire separations with hourly rating.
7. Existing and proposed water and fire main locations and sizes.
8. Existing and proposed fire hydrants locations, size of pipe, and expected flow and pressure.

~~Note: Fire Hydrant Coverage and Location.~~

- ~~(a) Minimum 40-foot clearance from hydrant to any structure.~~
- ~~(b) Maximum 100 feet from hydrant to fire department connection.~~
- ~~(c) Fire hydrant coverage: 300 feet, measured from the hydrant to the most remote point of vehicular access on the site, via the vehicular travel path.~~
- ~~(d) Dead-end water main to fire hydrant distance:~~

~~TABLE INSET:~~

6" line	380 feet max. distance
8" line	1,550 feet max. distance
10" line	4,600 feet max. distance
12" line	11,150 feet max. distance

- ~~(e) No obstructions within 4 feet of hydrant (plants, fences, retaining walls, etc.)~~
- ~~(f) Fire hydrants and water mains in or on parking structures shall be protected from freezing, but no heat tape permitted.~~
- ~~(g) Fire hydrant location for single-family dwellings: lot line and/or curve of pavement~~

9. State if a full or partial fire sprinkler system will be installed.
10. If fire sprinkler system will be installed, show location of fire department ~~siamese~~ connections(s). Note: Siamese Fire department connection shall be located on street front, address side of building but provide additional siamese fire department connection for buildings five stories or 50 feet or greater, on the other side of the building. Siamese Fire department connection shall be visible and accessible with no obstructions within four 3 feet of fire department connection. Note: Type of fire department connection will be determined by fire sprinkler system water demand.
11. Topographical map relating grade and elevation to fire department connections.
12. Available water pressure and flow capacity, static pressure, residual pressure, flow in gpm.
13. Calculate required fire flow and indicate available fire flow at 20 psi per Insurance Services Office (ISO) methodology as described in Appendix B of this document.
14. Location of all Emergency Vehicle Easements (EVE) and locations of EVE signs.

15. Adequate emergency vehicle access, turning radii.

Note:

- ~~(a) Buildings more than 5 stories or 50 feet in height require ladder truck access on one longest side and a continuance side, or 100% of the total perimeter of the building.~~
- (b) (a) Dead-end emergency vehicle easements greater than 100 feet require turnaround.
- (c) (b) Emergency vehicle access to within 100 feet of main entrance.
- ~~(d) Exterior swimming pool access to be within 50 feet of edge of pool.~~
- (e) (c) Show all overhangs and obstructions to emergency vehicle easement. The minimum emergency vehicle clearance for canopies, overhangs, and obstructions is 15 feet.
- ~~(f) Design live load for emergency vehicle on parking structure, deck shall conform at a minimum to A.A.H.S.T.O. Loading Standard HS-20.~~

~~16. Check VUSBC Table 503 for area and height requirements~~

SECTION A104 - FIRE HYDRANTS

~~**A104.1 Fire Hydrant Requirements.** Hydrants shall be Mueller "Super Centurion" (Catalog #A-423) provided with a 6-inch connection to the water main. The hydrant shall have on 1-1/2 inch pentagon operating nut, left turn to open, two 2-1/2 inch NSH nipple outlets capped, and one 4-inch NSH nipple outlet capped. The hydrant shall be connected to a Mueller Gate Valve (Catalog #A2360-20 or Virginia American Water Company approved equivalent) by the 6 inch water supply line and have a minimum 5-1/4 inch valve opening with 6 inch mechanical joints as shown in Figure A104.1 - Fire Hydrant Installation Specifications. Additional requirements are as follows:~~

- ~~1. The hydrant shall be supported by hard, compacted block with hard gravel bedding.~~
- ~~2. The pipe has to have a minimum bed of 6" of 21-A bluestone under hydrant laterals. All underground piping must be poly wrapped.~~
- ~~3. Hydrants shall have a minimum of 9 cu. yds. of 57 stone for the bleeders, tar paper between the concrete kicker and stone, and sitting on a concrete block.~~
- ~~4. The hydrant shall be located so that the thrust block is placed in undisturbed soil. Where this is not practical, the soil beneath the surrounding thrust block shall be compacted to 95% of maximum density in accordance with VDOT Sections 523.03, 302, 303.10 and 200.02.~~
- ~~5. The hydrant shall be plumb and the center of the hydrant (4 inch nozzle cover) shall be a minimum of 18 inches and maximum of 24 inches from the top face of the curb.~~

6. Excavation shall contain one ton of coarse washed gravel around base of hydrant for drainage.

7. The bottom of the safety flange shall be 2 1/2 inches above the edge of the shoulder on streets without curb and gutter and 2 1/2 inches above the elevation of curb on streets with curb and gutter.

8. Bends in underground piping shall be rodded and blocked.

9. Laterals shall be equipped with shut-off valves at tees or tapping sleeves. Valves shall be secured by rods or bolts, to tees or mains. Valves shall be equipped with standard two inch square operating nuts and valve boxes with covers. Valves shall have right hand closure.

10. All hydrant branches shall have a minimum cover of four feet at the ditch line.

11. Public hydrants shall be painted with rust inhibitive primer and exterior enamel in the following color(s): Sherwin Williams "Safety Yellow" #B54Y37 for barrels and Sherwin Williams "Pure White" #B54W101 for hydrant bonnets and caps. Exception: Public hydrant barrels may be painted with an approved flat black paint where such locations are specifically approved in writing by the fire chief. Private hydrant shall be painted with a rust inhibitive primer and exterior enamel Sherwin Williams "Safety Yellow" #B54Y37 for the barrels and bonnets and Sherwin Williams "Pure White" #B54W101 for the caps only. Exception: Private hydrant barrels may be painted with an approved flat black where such locations are specifically approved in writing by the Fire Chief.

12. The fire official personnel shall witness all flushing, perform visual inspection, hydrostatic and flow testing of all public and private hydrants by a licensed contractor. The fire official personnel shall confirm the hydrant meets the 100% design flow requirement. If the contractor brings the hydrant into compliance with the 100% design flow requirement.

13. Sidewalks shall be wrapped around hydrants located in areas where the grass area is shown as two feet or less.

14. Easements shall be required for hydrants located in ditch section streets where there is less than five feet clearance from hydrant to the property line.

15. Hydrants shall be installed, either five feet from the point of curvature of curb returns or on the property line in subdivisions.

16. Fire hydrants shall be located at least 40 feet from all buildings served by the hydrant. When a hydrant cannot be placed at the required distance, the Director of the department of building and code administration will consider exceptions to the requirement if the conditions are within the parameters listed in the currently adopted

edition of NFPA 24, Installation of Private Fire Service Mains and their Appurtenances.

17. No plantings or other obstructions shall be located within four feet of any hydrant or fire department siamese connection.

18. Four inch steel pipe bollards shall be installed in accordance with the requirements of Figure A104.2 Fire Hydrant Protection Pipe Bollard Installation detail around hydrants as needed for industrial and commercial developments where curbs are not available and in locations where the potential for damage is greater than normal due to vehicular traffic as determined by the fire official. Bollards shall be located adjacent to the hydrant and in such a manner as not to interfere with the ability to connect hoses or operate the hydrant. Where possible, bollards shall be at least 30 inches from the center of the hydrant operating nut in all directions. The bottom of the bollards and encasement shall not be located above the hydrant supply piping and valve or within the area of the hydrant supply piping to prevent the possibility of damage to the underground piping should the bollard be displaced by vehicular contact. Exact locations of bollards will be determined by the engineer of record and approved by the fire official.

19. Where standpipes or sprinkler systems are provided within buildings, a fire hydrant shall be located within 100 feet of the fire department siamese connection. Where possible and practical, the fire hydrant shall be located on the same side of the street as the fire department siamese connection if the hydrant does not violate the minimum distance from all buildings requirement in Item 17.

20. All fire hydrants shall be located so the maximum distance measured from the hydrant to the most remote point of vehicular access on the site is 300 feet.

Note: Fire Hydrant Coverage and Location:

(a) Minimum 40-foot clearance from hydrant to any structure.

(b) Maximum 100 feet from hydrant to fire department connection.

(c) Fire hydrant coverage: 300 feet, measured from the hydrant to the most remote point of vehicular access on the site, via the vehicular travel path.

(d) Dead-end water main to fire hydrant distance:

— 6" line = 380 feet max. distance —

— 8" line = 1,550 feet max. distance

— 10" line = 4,600 feet max. distance

— 12" line = 11,150 feet max. distance

Figure A104.1 Fire Hydrant Installation Specifications

Figure A104.2 Fire Hydrant Protection Pipe Bollard Detail

SECTION A105 - INSTALLATION AND TESTING OF UNDERGROUND FIRE MAINS AND FIRE LINES

A105.1 Fire Main and Fire Lines Requirements. All installation and testing shall be in accordance with Virginia American Water Company Standards and the current edition of NFPA 24, Private Fire Service Mains and Their Appurtenances. A Contractors

Material and Test Certificate for Underground Piping, (see NFPA 24 appendix) shall be completed and signed by the installing contractors. A Department of Building and Code Administration inspector shall witness all required inspections and tests.

A105.2 General Requirements. The following general requirements shall be followed when installing fire main and fire lines:

1. Fire lines shall have at least four (4) feet of ground cover from the top of the pipe.
2. All bends and tees shall be provided with thrust blocks in accordance with NFPA 24.
3. All rods shall be a minimum of 5/8 inch in diameter. The number of rods shall be determined by the pipe size.
4. All rods, nuts, bolts, washers, clamps and other restraining devices shall be cleaned and thoroughly coated with bituminous or other acceptable corrosion-retarding material.
5. Thrust blocks shall be placed against undisturbed soil. Pipe clamps and tie rods, thrust blocks, locked mechanical or push-on joints, mechanical joints utilizing set screw retainer glands, or other approved methods or devices shall be used. The type of pipe, soil conditions and available space shall determine the method.
6. When using clamps, rods shall be used in pairs, two to each clamp.
7. Fire lines shall not run under buildings.
8. All pipe shall be hydrostatically tested and visually inspected before being covered. The trench shall be backfilled between joints before testing to prevent movement of pipe.
9. The hydrostatic test of 200 psi or 50 psi over static pressure, whichever is higher shall be conducted for two (2) hours.
10. The contractor shall remain responsible for locating and correcting any leakage. If pipe is covered, no drop in pressure during the hydrostatic test is permitted.
11. Gauges used in performing acceptance tests shall meet the following:
 - (a) Gauges shall be appropriate for the type of test (i.e., air gauge for air pressure test, water gauge for hydrostatic test.
 - (b) Air gauges shall have increments of two (2) pounds or less. Water gauges shall have increments of ten (10) pounds or less.
 - (c) The gauge shall be capable of registering pressures above the minimum pressure required during the test. The pressure registered during the actual test shall be at least the minimum required for the test and less than the maximum of the gauge register. Gauges shall be marked as accepted by UL, FM, or other approved testing laboratories. No valves shall be installed in a fire line between the street valve at the water main and

&Y valve inside the building.

12. All fire lines shall be thoroughly flushed with an opening the same size as the pipe. The minimum rate of flow shall be not less than the water demand rate of the system, which is determined by the system design, or not less than that necessary to provide a velocity of 10 feet per second, whichever is greater. The flushing operation shall continue for sufficient time to ensure thorough cleaning.

TABLE A105.1 - FLOW RATES

<u>Pipe Size (inches)</u>	<u>Flow Rate (gpm)</u>
<u>4</u>	<u>390</u>
<u>6</u>	<u>880</u>
<u>8</u>	<u>1560</u>
<u>10</u>	<u>2440</u>
<u>12</u>	<u>3520</u>

13. When the above flow rate cannot be verified or met, supply piping shall be flushed at the maximum flow rate available to the system under fire conditions.

14. Approved site plans showing the size and location of pipe shall be on the job site before the inspection or test is performed.

15. Galvanized spool piece (potable water). The procedure for installing a galvanized pipe between the ductile iron fire line and the OS&Y valve is as follows:

(a) If a spool piece is used between the fire line stub and the OS&Y valve to raise the valve off the fire line stub, then it shall be galvanized pipe. This spool may be hydrostatically tested as part of the underground, or part of the sprinkler riser.

-or-

(b) If the OS&Y valve is rated by the AWWA as suitable for connection to a potable water system, this valve is a suitable transition piece between the fire line stub and the check valve. This OS&Y valve may be attached directly to the fire line stub if there is adequate clearance for proper operation of the valve, and then no galvanized pipe is required.

16. All items shall be inspected before any backfill.

17. Electrical ground wires shall not be connected to underground fire lines.

18. Backfill shall be well tamped, free of rocks and construction debris and free of

corrosives.

SECTION A106 – EMERGENCY VEHICLE ACCESS

A106.1 Requirements. The following requirements shall be followed when designing emergency vehicle access:

1. Access for emergency vehicles shall be provided to within 100 feet of the main or principal entrance to every building. The access shall be provided by a public or private street parking lot.

2. Buildings more than 5 stories or 50 feet in height require ladder truck access on one longest side and a continuance side or 48% of the total perimeter of the building.

3. The access to the rear may be provided by either a street, parking lot or emergency vehicle easement designed to all appropriate standards.

4. The inner surface of the ladder truck access way shall be no less than 15 feet and no more than 30 feet from the exterior building wall.

5. Where required, emergency vehicle easements shall have a minimum width of 22 feet.

6. Required fire department access ways over 100 feet in length shall have provisions for turning apparatus around according to the requirements referenced in Figure A106.1 for emergency vehicle easements in this document.

7. A 12-foot wide access lane to within 50 feet of the edge of the swimming pools, with an eight-foot wide personnel gate in the fence at the point of access is required except for individually owned pools located on single-family lots.

8. Building overhangs which cross an emergency vehicle easement threshold shall not be occupied space and shall be no less than 15 feet in height, as measured from the top surface of the roadway to the lowest protrusion of the overhang.

9. Residential rear service alleys that function as fire department emergency vehicle access shall meet the access criteria as described in Item 2 of this section and Figure A106.2.

10. Design live load for emergency vehicle on parking structure, deck shall conform at a minimum to A.A.H.S.T.O. Loading Standard HS-20.

11. Alternatives to Emergency Vehicle Access will be considered on a case-by-case basis and examined and approved through the code modification process in

accordance with the Virginia Uniform Statewide Building Code. Features that will be considered include, but are not limited to occupancy, combustibility, construction enhancements and passive and active fire protection enhancements over the base-line requirements for the structure. For guidance, refer to Alexandria Fire and EMS Department document Exterior Fire Department Operations and Supplemental Fire Protection and Rescue Features in Mid-Rise and High-Rise Structures for alternative design approaches.

SECTION A107 - EMERGENCY VEHICLE EASEMENTS

A107.1 Emergency Vehicle Easements. Emergency vehicle easements shall be a minimum of 22 feet across the travel lane. The emergency vehicle easement shall provide access to strategic areas of the building and fire protection systems. Curbing and street components shall conform to the standards established by Transportation and Environmental Services for emergency vehicle easements.

A107.2 Sign Specifications. Emergency vehicle easement signs shall be metal construction, 12 inches wide and 18 inches in height. Provide red letters on reflective white background with a 3/8 inch red trim strip around the entire outer edge of the sign. The lettering shall say "NO PARKING," "EMERGENCY VEHICLE EASEMENT," "EM. VEH. EAS.," and "City of Alex.," and be placed as shown in Figure A107.1, A107.2 and A107.3. Lettering size shall be as follows: "NO PARKING" – 2 inches, "EMERGENCY VEHICLE EASEMENT" – 2 1/2 inches. EM. VEH. EAS. – 1 inch, CITY OF ALEX. – 1/2 inch. Directional Arrows – 1 inch by 6 inches solid shaft with solid head – 1 1/2 inches wide and 2 inches deep (See Figures A107.1, A107.2, A107.3 for examples). Signs shall be mounted with the bottom of the sign 7 feet above the roadway, and shall be properly attached to a signpost or other approved structure such as designated by the fire official. Posts for signs, when required, shall be metal and securely mounted. Signs shall be parallel to the direction of vehicle travel and posted so the directional arrows clearly show the boundaries and limits of the Emergency Vehicle Easement. In areas where emergency vehicle easements involve two-way traffic, double mounted signs shall be provided. The maximum distance between signs shall be 100 feet. Other special signs or modifications to emergency vehicle easement signs shall be approved by the fire official.

A107.3 Fire Dept. Access Lanes/Mountable Curbs. Where curbing is a component of the emergency vehicle easement, the curbing construction shall conform to weight and grade requirements for vehicular traffic. In no circumstances shall a raised curb be located in the path of travel in a emergency vehicle easement. Where a mountable curb is provided as part of an emergency vehicle easement, emergency vehicle easement signs shall be posted at the point nearest the edge of the emergency vehicle easement, but in no case within the clear width of the emergency vehicle easement.

SECTION A108 - CONVEYANCE OF EMERGENCY VEHICLE EASEMENT TO CITY OF ALEXANDRIA

A108.1 General. The property owner shall have an Engineer or Surveyor submit to the Transportation & Environmental Services Department a preliminary plat indicating location, width, boundary and a description of the composition of easement for the Emergency Vehicle Easement.

A108.2 Agency Review. The Transportation & Environmental Services Department and the Fire Office or designee shall review the plat to determine whether the Emergency Vehicle Easement is necessary or desirable and has adequate access, width, and turning radius. Transportation & Environmental Services Department will determine if the existing paved surface meets city standard (CSAP-1A). All elevated surfaces shall meet H-20 specifications. If the Emergency Vehicle Easement is attached to the terms and conditions of a Special Use Permit, then the applicant must also file with the City's Planning & Zoning Office for review. All appropriate agencies will comment on the content of the plat.

A108.3 Approval. If approved, the applicant will submit a final plat and descriptive deed. The City of Alexandria will sign and return to applicant for recordation.

A108.4 Recordation. Upon recordation, the applicant will report deed book and page number (instrument number) to Transportation & Environmental Services Dept. to be kept on file. The final plat and bond will not be released until the deed has been recorded.

GRAPHIC LINK:Figure A106.1 Minimum Standards for Emergency Vehicle Access-

GRAPHIC LINK:Figure A106.2 Residential Rear Service Alley Standards-

GRAPHIC LINK:Figure A107.1 Fire Lane Sign Left Arrow-

GRAPHIC LINK:Figure A107.2 Fire Lane Sign Right Arrow-

GRAPHIC LINK:Figure A107.3 Fire Lane Sign Left and Right Arrows-

APPENDIX B - REQUIREMENTS FOR A FIRE WATCH

SECTION B101 GENERAL

B101.1 Scope. When a fire sprinkler, alarm, detection or suppression system becomes impaired or is unable to provide the proper protection for which it was designed, it becomes necessary to find an alternate means to monitor the conditions in buildings relative to life safety and property protection. For short term and on a temporary basis, a fire watch is a system of activities designed to provide onsite observation, documentation and notification in the event of a fire emergency.

SECTION B102 REQUIREMENTS

B102.1 Procedures. When the establishment of a fire watch is ordered by the fire department operations personnel, the fire official, the owner or the owner's representative shall implement the following procedures and requirements for the duration of the fire watch. The fire watch shall be maintained until such time the noted

system(s) is returned to normal ready service and approved for use by the fire official.

B102.2 Requirements. A fire watch shall consist of the following: Designated number of staff (minimum of two personnel) at all times and until the compromised system has been repaired, inspected, tested and certified to be placed back in service by the fire official. Each participating staff member shall be equipped with reliable two-way communications. One staff member shall always be stationed in an area or room equipped with a working telephone or cellular phone to report an alarm by dialing 9-1-1.

NOTE: When dialing 9-1-1 from a cellular phone, some cellular phone systems may connect user with another jurisdiction's emergency communications center, therefore the caller should confirm they are speaking with the "Alexandria Fire and EMS Dept. Emergency Communications Center". Walking tour of all areas of the building no less than every 15 minutes to observe for conditions where fire, smoke or hazardous situations require fire department response;

-or-

A complete tour of the facility within a time frame prescribed by a representative of the fire department operation personnel, fire official, or designee and with the staffing level contingent upon the size of the facility and the type of occupancy.

NOTE: If the building or property is of such size that two individuals cannot adequately perform the required fire watch, fire department personnel, the fire official may require additional on site personnel. The Fire Department representative may permit one person to perform the fire watch if the building or property is size that one person can adequately perform the fire watch.

A legibly written log shall be kept on site at all times for review by any fire department operations personnel, the fire official:

- (a) Reason the fire watch was implemented
 - (b) Date and time the fire department was notified the fire watch was initiated and concluded.
 - (c) Start and stop time of each building or property tour.
 - (d) Key locations visited in the building(s) requiring the fire watch.
 - (e) Name(s) of personnel conducting the fire watch.
 - (f) Name(s) of personnel recording the information.
- Personnel conducting the fire watch shall be:
- (a) Capable of performing patrol duties
 - (b) Reliable
 - (c) Not addicted to the use of or under the influence of intoxicants, narcotics, illegal drugs, and/or physically or mentally impaired by prescription drugs.
 - (d) Able to clearly and accurately converse with fire department personnel in English, in the event of any emergency.
 - (e) Able to remain awake and alert at all times.

NOTE: In all cases, the sole duty of personnel assigned to the fire watch shall be to perform constant patrols of the protected premises, to keep watch for fires, and if necessary to summon the fire department.

If a fire is located:

- (a) The fire watch staff shall immediately call 9-1-1 and report the location of the fire within the building.
- (b) Begin the evacuation of the building starting on the fire floor, then above the fire floor, then below the fire floor.
- (c) Do not attempt to extinguish the fire.
- (4) Appendix C, Requirements for Fireworks Displays is amended by adding the following:

APPENDIX B – FIRE-FLOW REQUIREMENTS FOR BUILDINGS

B101.1 Fire-Flow Requirements. Fire-flow requirements shall be based on the methodology described in the Insurance Services Office's (ISO) *Guide For Determination of Needed Fire Flow*, Edition 05-2008.

APPENDIX C – REQUIREMENTS FOR FIREWORKS DISPLAYS

SECTION C101 GENERAL

C101.1 Scope. This appendix provides the permit and display requirements for the use of fireworks within the City of Alexandria. The City of Alexandria shall issue permits, upon application in writing, for the display of aerial fireworks, commonly known as pyrotechnic displays, for fair associations, amusement parks, or by any organization or group of individuals; provided such display is in general accord with the applicable sections of National Fire Protection Association (NFPA) 1123, *Fireworks Displays*, a referenced standard listed in Chapter 45, of the Virginia Statewide Fire Prevention Code.

SECTION C102 REQUIREMENTS

C102.1 Insurance Requirements. The fire official shall issue no permit until all requirements of this appendix are submitted for review, approved, and the applicant files a certificate of insurance with the City of Alexandria named as a co-insured on all policies in the amount of two million (\$2,000,000) dollars for each bodily injury and property damage. The insurance policy shall become available for the payment of any damage arising from acts or omissions of the applicant, his agents or his employees in connection with the display of aerial fireworks. The applicant shall ensure the insurance policy is in effect at the time of the commencement of activities authorized by the permit and remains continuously in effect until such are completed.

C102.2 Requirements for Permit Application. An application for the display of aerial fireworks shall be completed and submitted to the fire official 45 days before the scheduled event. The application for aerial fireworks display shall include the following:

- (a) A copy of insurance policy with the City of Alexandria named as a co-insured.
- (b) A site plan with the layout of the discharge site, spectator site, viewing area, parking area, fallout area and distances for each; distances to all tents, buildings and structures.
- (c) Provide a complete list of aerial fireworks to be displayed.
- (d) Provide type and amount of fire protection.
- (e) The type of physical barrier that will be installed around display site and number of monitors that will be used during performance.
- (f) Identify the type of security and number of monitors that will be onsite during the display.
- (g) Provide the shooter / operator's name, address, social security number, and date of birth.
- (h) Provide fireworks display company address and emergency contact numbers.
- (i) Provide emergency contact information including the owner of the property name and number, third shooter / operator (within one hour of travel), and hazardous material transport company responsible for transportation and security.
- (j) Method of storage and location that display fireworks are to be stored.

C102.3 Firework Display Requirements. The following requirements of the Virginia Statewide Fire Prevention Code and National Fire Protection Association (NFPA) 1123, Fireworks Displays, briefly stated, are applicable to all fireworks displays, which require a permit from the local authority having jurisdiction.

- The area selected for the discharge of aerial shells shall be located so that the trajectory of the shells will not come within 25 feet of any overhead object.
- Display area shall incorporate a 70 foot diameter radius, per inch of largest fireworks display shell.
- Ground Displays shall be located a minimum distance of 75 feet from spectator viewing areas and parking areas. Spinning Wheels, Roman Candles, and Large Salutes shall be located 125 feet form viewing areas.
- Fire works shall not be discharged within 100 feet of any tent or canvas shelter.
- The point of firing of aerial fireworks is to be at least 200 feet from the nearest permanent building, public highway, or railroad, and be at least 50 feet from the nearest aboveground telephone or telegraph line or other overhead obstruction. In no case shall a display be fired within 500 feet of a school, theater, church, hospital or similar institution.
- The potential landing area shall be a large, clear, open area acceptable to the authority having jurisdiction.
- Spectators, vehicles, or any readily combustible materials shall not be located within the potential landing area during the display.
- Spectators shall be restrained behind lines at least 200 feet from the firing point by physical barriers and monitors. Only persons in active charge of the display shall be allowed inside these lines.
- Projectile type fireworks shall fire into the air as nearly as possible in a vertical

direction except fireworks fired beside a lake or other large body of water, the fireworks may be directed in such a manner that the firing residue of deflagrations will fall into the said body of water.

- Unfired fireworks shall be covered or protected during firing and those remaining after display shall be immediately disposed of in a way safe for the particular type of firework.
- If at any time, high winds in excess of 15 miles per hour, unusually wet weather prevails, or any other condition that represents an unsafe condition in the opinion of the authority having jurisdiction or the display operator, the public display shall be postponed until weather or other unsafe conditions improve to an acceptable level.
- Extremely dry conditions shall require the display and fallout areas to be soaked with water before event commencing. If the outdoor burning restrictions are in place, outdoor firework displays shall not occur.
- Portable water fire extinguishers or other adequate fire protection will be required at discharge site.
- Display operators and assistants shall use only flashlights or electric lighting for artificial illumination.
- Neither smoking nor open flames shall be allowed in the display or shell storage area as long as shells are present. Signs to this effect shall be conspicuously posted.
- In the event of a shell failing to ignite in the mortar, the mortar shall be left alone for a minimum of 15 minutes then, carefully flood with water. Immediately following the display, the mortar shall be emptied into a bucket of water. The supplier shall be contacted as soon as possible for disposal instructions.
- The entire firing range shall be inspected immediately following the display to locate any defective shells. The inspection shall be completed before the public having access. Any shells found shall be immediately doused with water before handling. The shells shall then be placed in a bucket of water. The supplier shall then be contacted as soon as possible for proper disposal instructions.
- All operators shall be at least 21 years of age. Assistants shall be 18 years of age. An adequate number operators, assistants, and monitors shall be on hand to conduct the display. At no time shall there be less than two operators on duty.
- No person shall handle or be involved in the firing of fireworks while under the influence of alcohol, narcotics, or drugs, which could adversely affect judgment, movement, or stability.
- A method of communication (preferably a cellular phone) shall be on or near the display site in the event of an emergency. The Alexandria Fire and EMS Communication Center (phone number 911) shall be immediately notified in the event of fire and/or injury.
- Fireworks Displays shall be completely set up and ready for inspection at least 2 hours before event.
- Personnel from the fire marshal's office are required to inspect the display area before the event commencing, monitor the event and conduct a post event inspection.
- Obtain and maintain original Fire Prevention Code Permit for Aerial Fireworks

Display on the event site.

If the storage of fireworks is approved in the City of Alexandria, the operator shall maintain the original Fire Prevention Code Permit for aerial fireworks on the event site and comply with all Bureau of Alcohol, Tobacco, and Firearms storage requirements.

APPENDIX C - FIRE HYDRANT AND FIRE MAIN INSTALLATION REQUIREMENTS

C101.1 Fire Hydrant Requirements. Fire hydrant installation shall conform to the requirements found in *Design and Construction Standards, Department of Transportation & Environmental Services July 1989, Fire Hydrant Installation, CSFH – 1, Page 9.* Hydrants shall be Mueller "Super Centurion" (Catalog #A-423) provided with a 6-inch connection to the water main. The hydrant shall have on 1-1/2 inch pentagon-operating nut, left turn to open, two 2-1/2 inch NSH nipple outlets capped, and one 4-inch NSH nipple outlet capped. The hydrant shall be connected to a Mueller Gate Valve (Catalog #A2360-20 or Virginia American Water Company approved equivalent) by the 6 inch water supply line and have a minimum 5 1/4 inch valve opening with 6 inch mechanical joints. Additional requirements are as follows:

1. The hydrant shall be supported by hard, compacted block with hard gravel bedding.
2. The pipe has to have a minimum bed of 6" of 21-A bluestone under hydrant laterals. All underground piping must be poly wrapped.
3. Hydrants shall have a minimum of 9 cu. yds. of 57 stone for the bleeders, tar paper between the concrete kicker and stone, and sitting on a concrete block.
4. The hydrant shall be located so that the thrust block is placed in undisturbed soil. Where this is not practical, the soil beneath the surrounding thrust block shall be compacted to 95% of maximum density.
5. The hydrant shall be plumb and the center of the hydrant (4-inch nozzle cover) shall be a minimum of 18 inches and maximum of 24 inches from the top face of the curb.
6. Excavation shall contain one ton of coarse washed gravel around base of hydrant for drainage.
7. The bottom of the safety flange shall be 2 1/2 inches above the edge of the shoulder on streets without curb and gutter and 2 1/2 inches above the elevation of curb on streets with curb and gutter.

8. Bends in underground piping shall be rodded and blocked.
9. Laterals shall be equipped with shut-off valves at tees or tapping sleeves. Valves shall
be secured by rods or bolts, to tees or mains. Valves shall be equipped with
standard
two-inch square operating nuts and valve boxes with covers. Valves shall have right
hand closure.
10. All hydrant branches shall have a minimum cover of four feet at the ditch line.
11. Public hydrants shall be painted with rust inhibitive primer and exterior enamel in
the following color(s): Sherwin Williams "Safety Yellow" #B54YZ437 for barrels
and Sherwin Williams "Pure White" #B54WZ401 for hydrant bonnets and caps.
Exception: Public hydrant barrels may be painted with an approved flat black paint
where such locations are specifically approved in writing by the fire chief. Private
hydrant shall be painted with a rust inhibitive primer and exterior enamel Sherwin
Williams "Safety Yellow" #B54YZ437 for the barrels and bonnets and Sherman
Williams "Pure White" #B54WZ401 for the caps only. Exception: Hydrant barrels
may be painted with an approved flat black where such locations are specifically
approved in writing by the fire chief.
12. The building official or designee shall witness all flushing, perform visual
inspection, hydrostatic and flow testing of all public and private hydrants by a
licensed contractor. The building official or designee personnel shall confirm the
hydrant meets the 100% design flow requirement.
13. Sidewalks shall be wrapped around hydrants located in areas where the grass
area is shown as two feet or less.
14. Easements shall be required for hydrants located in ditch section streets where
there
is less that five feet clearance from hydrant to the property line.
15. Hydrants shall be installed, either five feet from the point of curvature of curb
returns or on the property line in subdivisions.
16. Fire hydrants shall be located at least 40 feet from all buildings served by the
hydrant. When a hydrant cannot be placed at the required distance, the fire official
or designee will consider exceptions.

17. No plantings or other obstructions shall be located within three feet of any hydrant or fire department connection.
18. Fire hydrant protection pipe bollards shall be installed as needed for industrial and commercial developments where curbs are not available and in locations where the potential for damage is greater than normal due to vehicular traffic as determined by the fire official. Bollards shall be located adjacent to the hydrant and in such a manner as not to interfere with the ability to connect hoses or operate the hydrant. Steel pipe bollards shall be installed in accordance with Virginia American Water Company Specifications for Pipeline Installation and Street Restoration - Fire Hydrant Protection Pipe Bollard Detail 31-60013 SK. Where possible, bollards shall be at least 36 inches from the center of the hydrant-operating nut in all directions. The bottom of the bollards and encasement shall not be located above the hydrant supply piping and valve or within the area of the hydrant supply piping to prevent the possibility of damage to the underground piping should the bollard be displaced by vehicular contact. Exact locations of bollards will be determined by the engineer of record and approved by the fire official.
19. Where standpipes or sprinkler systems are provided within buildings, a fire hydrant shall be located within 100 feet of the fire department connection. Where possible and practical, the fire hydrant shall be located on the same side of the street as the fire department connection if the hydrant does not violate the minimum distance from all buildings requirement in Item 17.
20. All fire hydrants shall be located so the maximum distance measured from the hydrant to the most remote point of vehicular access on the site is 300 feet.
21. Dead-end water main to fire hydrant distance shall be as follows:
- 6" line = 380 feet max. distance
 - 8" line = 1,550 feet max. distance
 - 10" line = 4,600 feet max. distance
 - 12" line = 11,150 feet max. distance

SECTION C102 - INSTALLATION AND TESTING OF UNDERGROUND FIRE MAINS AND FIRE LINES

C102.1 Fire Main and Fire Lines Requirements. All installation and testing shall be in accordance with Virginia American Water Company Standards. A Contractors Material

and Test Certificate for Underground Piping, (see NFPA 24 appendix) shall be completed and signed by the installing contractors. The building official or designee shall witness all required inspections and tests.

C102.2 General Requirements. The following general requirements shall be followed when installing fire main and fire lines:

1. Fire lines shall have at least four (4) feet of ground cover from the top of the pipe.
2. All bends and tees shall be provided with thrust blocks in accordance with NFPA 24.
3. All rods shall be a minimum of 5/8 inch in diameter. The number of rods shall be determined by the pipe size.
4. All rods, nuts, bolts, washers, clamps and other restraining devices shall be cleaned and thoroughly coated with bituminous or other acceptable corrosion-retarding material.
5. Thrust blocks shall be placed against undisturbed soil. Pipe clamps and tie-rods, thrust blocks, locked mechanical or push-on joints, mechanical joints utilizing set screw retainer glands, or other approved methods or devices shall be used. The type of pipe, soil conditions and available space shall determine the method.
6. When using clamps, rods shall be used in pairs, two to each clamp.
7. Fire lines shall not run under buildings.
8. All pipe shall be hydrostatically tested and visually inspected before being covered. The trench shall be backfilled between joints before testing to prevent movement of pipe.
9. The hydrostatic test of 200 psi or 50 psi over static pressure, whichever is higher shall be conducted for two (2) hours.
10. The contractor shall remain responsible for locating and correcting any leakage. If pipe is covered, no drop in pressure during the hydrostatic test is permitted.
11. Gauges used in performing acceptance tests shall meet the following:
 - (a) Gauges shall be appropriate for the type of test (i.e., air gauge for air pressure test, water gauge for hydrostatic test.
 - (b) Air gauges shall have increments of two (2) pounds or less. Water gauges shall

have increments of ten (10) pounds or less.
 (c) The gauge shall be capable of registering pressures above the minimum
 pressure required during the test. The pressure registered during the actual
test
 shall be at least the minimum required for the test and less than the
maximum
 of the gauge register. Gauges shall be marked as accepted by UL, FM, or
other
 approved testing laboratories. No valves shall be installed in a fire line
between
 the street valve at the water main and the OS&Y valve inside the building.

12. All fire lines shall be thoroughly flushed with an opening the same size as the pipe.
The minimum rate of flow shall be not less than the water demand rate of the
system, which is determined by the system design, or not less than that necessary
to
provide a velocity of 10 feet per second, whichever is greater. The flushing
operation shall continue for sufficient time to ensure thorough cleaning.

13. When the above flow rate cannot be verified or met, supply piping shall be flushed
at the maximum flow rate available to the system under fire conditions.

14. Approved site plans showing the size and location of pipe shall be on the job site
before the inspection or test is performed.

15. Galvanized spool piece (potable water). The procedure for installing a galvanized
pipe between the ductile iron fire line and the OS&Y valve is as follows:

(a) If a spool piece is used between the fire line stub and the OS&Y valve to raise
the valve off the fire line stub, then it shall be galvanized pipe. This spool may
be hydrostatically tested as part of the underground, or part of the sprinkler
riser.

- or -

(b) If the OS&Y valve is rated by the AWWA as suitable for connection to a
potable water system, this valve is a suitable transition piece between the fire
line stub and the check valve. This OS&Y valve may be attached directly to
the
fire line stub if there is adequate clearance for proper operation of the valve,
and then no galvanized pipe is required.

16. All items shall be inspected before any backfill.

17. Electrical ground wires shall not be connected to underground fire lines.
18. Backfill shall be well tamped, free of rocks and construction debris and free of corrosives.

APPENDIX D - REQUIREMENTS FOR STAIRWAY IDENTIFICATION

SECTION D101 GENERAL

D101.1 Scope. Stairway identification prevents firefighters and citizens from becoming disoriented during a fire when smoke obscures vision. The requirement shall apply to all buildings above three stories in height.

D101.2 Purpose. Stairway identification ensures all stairwell landings are marked in a prescribed manner to help determine the location of the person within the building.

D102 REQUIREMENTS

D102.1 Requirements. The requirements outlined shall be followed to identify and properly mark each stairwell located within buildings greater than three stories.

Building Stairwell Identification Program shall be submitted to the fire official for approval within 90 days of receipt of notification.

All buildings greater than three stories must display in the lobby and fire control room a simplified schematic with the building footprint.

The footprint shall be an overhead view of the buildings exterior and the general layout of the lobby of the first floor. Stairwells shall be denoted by letter, starting next to the main entrance with "A" and continuing in a clockwise or left to right pattern. (See Figure D102.1)

Additionally, a sign approved by the fire official shall be provided at each landing in all interior stairwells, identifying the stairwells' letter, designating the floor level and the level of exit discharge. It should also state if there is no access to the roof. (roof access means to the roof regardless whether they are locked).

The bottom of the sign shall be located five (5) feet above the floor landing in a position that is readily visible when the stairwell door is opened or closed. This information may be stenciled directly onto the wall. (See Figure D102.2).

The signs must have lettering that is a minimum of 2 inches in height, and the lettering must be of a color contrasting with the background stairwell wall color.

Two copies of the footprint and the stairwell sign shall be submitted to the fire official for approval prior to installation.

~~GRAPHIC LINK:Figure D102.1 Example Building Footprint, Etc.~~
~~GRAPHIC LINK:Figure D102.2 Example Stairwell Identification Sign~~

APPENDIX D - EMERGENCY VEHICLE ACCESS

D101.1 Requirements. The following requirements shall be followed when designing emergency vehicle access:

1. Access for emergency vehicles shall be provided to within 100 feet of the main or principal entrance to every building. The access shall be provided by a public or private street or parking lot.
2. Buildings 5 stories or 50 feet or more in height require ladder truck access (open perimeter) completely on one of the longest sides and a continuance side. When that cannot be achieved, 48% of the total perimeter of the building shall be accessible by ladder truck.
3. When neither of the ladder truck access methods can be achieved, access requirements necessary for fire and EMS operations will be determined by the fire official.
4. Buildings 5 stories or 50 feet or more in height up to the minimum defined height for a High Rise Building as defined in the Virginia Construction Code that cannot meet one of the two ladder truck access requirements shall meet the emergency escape and rescue, elevator, standby power, emergency power, stairway communication, and smoke proof exit enclosure provisions found in Chapter 4 of the Virginia Uniform Statewide Building (International Building Code Section 403) relating to High Rise Buildings. When in the opinion of the fire official it is impractical or unnecessary to meet specific high rise building requirements noted in this section to meet reduced ladder truck access, the fire official will provide written notification to the building official verifying which provisions are not necessary.
5. The access to the rear may be provided by a street, parking lot or emergency vehicle easement designed to all appropriate standards.
6. The inner surface of the ladder truck access way shall be no less than 15 feet and no more than 30 feet from the exterior building wall.
7. Where required, emergency vehicle easements shall have a minimum width of 22 feet.
8. Required fire department access ways over 100 feet in length shall have provisions for turning apparatus around according to the requirements established by the

Transportation and Environmental Services Department for emergency vehicle easements.

9. Building overhangs which cross an emergency vehicle easement threshold shall not be occupied space and shall be no less than 15 feet in height, as measured from the top surface of the roadway to the lowest protrusion of the overhang.
10. Residential rear service alleys that function as fire department emergency vehicle access shall meet the access criteria established by the Transportation and Environmental Services Department.
11. Where there is an emergency vehicle easement over a parking structure, the design live load for the parking structure deck shall conform to A.A.H.S.T.O. Loading Standard HS-20.-

D102 –Emergency Vehicle Easements

D102.1 Emergency Vehicle Easements. Emergency vehicle easements shall be a minimum of 22 feet across the travel lane. The emergency vehicle easement shall provide access to strategic areas of the building and fire protection systems. Curbing and street components shall conform to the standards established by Transportation and Environmental Services and this document for emergency vehicle easements.

D102.2 Sign Specifications. Emergency vehicle easement signs shall be metal construction, 12-inches wide and 18 inches in height. Provide red letters on reflective white background with a 3/8-inch red trim strip around the entire outer edge of the sign. The lettering shall say "NO PARKING," "EMERGENCY VEHICLE EASEMENT," "EM. VEH. EAS.," and "City of Alex.," Lettering size shall be as follows: "NO PARKING" - 2 inches, "EMERGENCY VEHICLE EASEMENT" - 2 1/2 inches. EM. VEH. EAS. - 1 inch, CITY OF ALEX. - 1/2 inch. Directional Arrows - 1 inch by 6 inches solid shaft with solid head - 1 1/2 inches wide and 2 inches deep (For examples, see Figures D102.1, D102.2, and D102.3). Signs shall be mounted with the bottom of the sign 7 feet above the roadway, and shall be properly attached to a signpost or other approved structure such as designated by the fire official. Posts for signs, when required, shall be metal and securely mounted. Signs shall be parallel to the direction of vehicle travel and posted so the directional arrows clearly show the boundaries and limits of the Emergency Vehicle Easement. In areas where emergency vehicle easements involve two-way traffic, double mounted signs shall be provided. The maximum distance between signs shall be 100 feet. Other special signs or modifications to emergency vehicle easement signs shall be approved by the fire official.

D102.3 Fire Dept. Access Lanes/Mountable Curbs. Where curbing is a component of the emergency vehicle easement, the curbing construction shall conform to weight and

grade requirements for vehicular traffic. In no circumstances shall a raised curb be located in the path of travel in an emergency vehicle easement. Where a mountable curb is provided as part of an emergency vehicle easement, emergency vehicle easement signs shall be posted at the point nearest the edge of the emergency vehicle easement, but in no case within the clear width of the emergency vehicle easement.

GRAPHIC LINK:Figure D102.1 Fire Lane Sign Left Arrow

GRAPHIC LINK:Figure D102.2 Fire Lane Sign Right Arrow

GRAPHIC LINK:Figure D102.3 Fire Lane Sign Left and Right Arrows

SECTION D103 - CONVEYANCE OF EMERGENCY VEHICLE EASEMENT TO CITY OF ALEXANDRIA

D103.1 General. The property owner shall have an Engineer or Surveyor submit to the Transportation & Environmental Services Department a preliminary plat indicating location, width, boundary and a description of the composition of easement for the Emergency Vehicle Easement.

D103.2 Agency Review. The Transportation & Environmental Services Department and the fire official shall review the plat to determine whether the Emergency Vehicle Easement is necessary or desirable and has adequate access, width, and turning radius. Transportation & Environmental Services Department will determine if the existing paved surface meets city standard (CSAP-1A). All elevated surfaces shall meet H-20 specifications. If the Emergency Vehicle Easement is attached to the terms and conditions of a Special Use Permit, then the applicant must also file with the City's Planning & Zoning Office for review. All appropriate agencies will comment on the content of the plat.

D103.3 Approval. If approved, the applicant will submit a final plat and descriptive deed. The City of Alexandria will sign and return to applicant for recordation.

D103.4 Recordation. Upon recordation, the applicant will report deed book and page number (instrument number) to Transportation & Environmental Services Department so information can be kept on file. The final plat and bond will not be released until the deed has been recorded.

APPENDIX F - REQUIREMENTS FOR EXTERIOR SPRAY PAINTING OPERATIONS

SECTION F101 - GENERAL

F101.1 Scope. This appendix provides permit and other requirements for exterior spray painting operations that do not exceed an accumulative area of 9 (nine) square feet per day.

SECTION F102 - REQUIREMENTS

F102.1 Permit Requirements. A permit shall be applied for with all required supporting documentation and upon approval, issued to perform limited exterior spray painting. The applicant shall submit two copies of the proposed procedure outlining process to include the following: a complete list of Material Safety Data Sheets for materials to be utilized, a chemical/paint inventory, the method of on site storage, the method of transportation between sites, the method of paint application, the method of waste/spray paint recovery, site plans, list of all application areas in which spraying will occur, the type of on site fire protection, a 24 hour emergency contact information and the site contact.

F102.2 General Requirements. The following general requirements shall apply to all exterior spray painting operations and are subject to review and approval by Department of Building and Code Administration personnel prior to commencing exterior spray painting operations:

The Hazardous Use Permit shall be kept in the on-site contractor's vehicle at all times. Absence of the on-site permit will void permitted process and the area will be deemed non-compliant. If this occurs, all equipment and paint shall be removed from the City of Alexandria limits.

- The applicant shall locate spray painting operations a minimum of 50 feet from a building, structure or a property line.
- The applicant shall ensure the spray painting operation is not continuous in nature.
- The applicant shall ensure that no exterior electrical equipment is within 20 feet unless it meets the requirement of NEC Class I, Division II, including flexible electrical extension cords, and approved by the Department of building and fire code administration.
- The applicant shall not use portable electrical lamps inside the spray painting area.
- The applicant shall provide a minimum of one (40-BC) dry chemical fire extinguisher outside the application area and within 30 feet of travel.
- The applicant shall remove all possible ignition sources. This shall include securing and stopping all motors on vehicles.
- The applicant shall not permit open flames within 20 feet of the designated spray area.
- The applicant shall not permit hot or heated surfaces within the designated spray area.
- The applicant shall not permit smoking within the spray area. Signage shall be posted and visible from the exterior of the designated spray areas.
- The applicant shall clean spray painting equipment in a manner approved by the fire official. Only Class II or III solvents shall be utilized on the exterior.
- The applicant shall provide a smooth surface for the limited area spray operation. Porous surfaces such as asphalt is not permitted.
- If an interior limited area spray operation is approved and utilized, the applicant shall provide the area with approved fire protection and positive ventilation approved for flammable liquids.

- ~~The applicant shall ensure that all equipment and containers are listed for the flammable or combustible liquid use.~~
- ~~If flammable liquids will be transferred from one container to another, the applicant shall ensure that at least one container is bonded and/or grounded.~~
- ~~The applicant shall ensure that Class I flammable liquids and/or solvents are not utilized for cleaning of equipment. Only Class II and III combustible liquids may be utilized for cleaning of equipment.~~
- ~~The applicant shall keep the limited spray painting area clean of over spray and residue.~~
- ~~The applicant shall provide self-closing metal waste cans to handle waste and rags.~~
- ~~The applicant shall control odors, smoke and any other air pollution from operations at the site and prevent them from leaving the property or becoming a nuisance to neighboring properties, as determined by the Department of Transportation and Environmental Services.~~
- ~~The applicant shall not dispose of material by venting material into the atmosphere.~~

~~APPENDIX H - CARNIVAL AND FAIRS~~

~~H101.1 Scope.~~ This appendix provides permit and other requirements for outdoor assemblies and events.

~~H102 General Requirements.~~

~~(a) Public Safety plan.~~ A plan shall be submitted to the fire official for all carnivals and fairs. The public safety shall include procedures for reporting emergencies, relocating and evacuating occupants, primary and secondary evacuation routes, occupant assembly points, employee responsibility and assignments, 24-hour emergency contact numbers and methods and types of security.

~~(b) Site Plan.~~ A site plan shall be submitted to the fire official for review and approval 45 days prior to the event. The site plan shall identify the positioning of amusement rides, fire department access points, fire lanes, fire hydrants, fire extinguishers, exit points, emergency evacuation routes and emergency shelters.

~~(c) Fire Prevention Code Permits.~~ Operational permit requirements are outlined in Table 107.2. Permits will be required for tents and canopies exceeding 900 square feet, open flames, assembly of 50 persons or more and for the carnival or fair event itself.

~~(d) Inspections.~~ Inspection requests for building, electrical, mechanical, plumbing and fire safety shall be made 24 business hours prior to the event.

~~105.1 Fire Official.~~ The provisions of the Virginia Statewide Fire Prevention Code and this article shall be enforced by the fire official and any other person authorized by the fire official to conduct inspections under the Virginia Statewide Fire Prevention Code or

this article.

~~107.1 Notice. It shall be unlawful to engage in any business activity involving the handling, storage or use of hazardous materials, substances or devices; or to maintain, store or handle materials; or to conduct processes producing conditions hazardous to life or property; or to install equipment utilized in connection with such activities; or to establish an assembly occupancy without first notifying the director of code enforcement.~~

107.2.1 Reference to permits in other chapters. Where there is a reference to operational permits, fire prevention permits, or other permits in any chapter of the Virginia Statewide Fire Prevention Code or the Fire Prevention Code of the City of Alexandria, Virginia amendments thereof, unless specifically stated to the contrary, the provisions of Table 107.2 shall apply when determining if a permit is required and the quantity necessary (if regulated) to require the permit.

TABLE 107.2 OPERATION PERMIT REQUIREMENTS

Description	Code Section
Aerosol products. Aggregate quantity of Level 2 or Level 3 aerosol products in excess of 500 pounds (227 kg) net weight when manufacturing, storing or handling.	2801.2
Amusement buildings.	403.3 <u>4.1</u>
Asphalt Kettles.	303.10
Aviation facilities.	1101.3
Carnivals and fairs.	403.2.2
Battery systems. Stationary lead-acid battery systems having a liquid capacity of more than 50 gallons (189L).	608.1.1
Cellulose nitrate film. Storage, handling or use in any assembly or educational occupancy (Group A and E)	306.3
Combustible dust-producing operations.	1301.2
Combustible fibers. Storage and handling of combustible fibers in quantities greater than 100 cubic feet (2.8 m ²) Exception: Not required for agricultural storage.	2901.3

Compressed gas. Storage, use or handling at normal temperature and pressure (NTP) of compressed gases in excess of the amounts listed below. **Exception:** Vehicles equipped for and using compressed gas as a fuel for propelling the vehicle.

PERMITS AMOUNTS FOR COMPRESSED GASES

TYPE OF GAS TP)	AMOUNT (CUBIC FEET AT TP)	
Corrosive	200	3001.2
Flammable (except cryogenic fluids and liquified petroleum gases).	200	
Highly toxic	Any amount	
Inert, simple asphyxiant and non-flammable gases	6,000	
Oxidizing (including Oxygen)	504	
Toxic	Any amount	
For SI: 1 cubic foot = 0.02832m ³		
Covered mall buildings.		408.11 .4
Corrosives. Storage, use, handling:		
Gases	200 cubic feet at (NTP)	3101.2
Liquids	55 gallons	
Solids	1,000 pounds	
Cryogenic fluids. Produce, store, transport on site, use, handle or dispense.		
PERMIT AMOUNTS FOR CRYOGENIC FLUIDS		
Type (gal)	Inside Building (gal)	Outside Building
Flammable	more than 1	
60		
Inert	60	
500		
Oxidizing (includes oxygen)	10	
50		
Physical or health hazard not indicated above amount	Any amount	Any
Exception: Vehicles equipped for and using cryogenic fluids as a fuel for propelling the vehicle or for refrigerating the lading.		
		3201.2

Cutting and Welding, Sweating Pipes and Hot Works.	2601.2
Dry cleaning plants.	1201.2
Exhibits and trade shows.	403.3 <u>4</u>
Explosives and fireworks. An operational permit is required for the manufacture, possession, storage, handling, sale or other disposition, transportation or use of any quantity of explosive, explosive material, fireworks, or pyrotechnic special effects within the scope of Chapter 33, or to operate a terminal for handling explosive materials, or to deliver or receive delivery of explosives or explosive materials from a carrier between sunset and sunrise.	3301.2
Explosive Vehicle Inspection. (Valid for 6 months only)	3309.6 <u>1</u>
Emergency Vehicle Access Roadway.—	503.1.1—
Fire hydrants and valves. Operate or use any fire hydrants or valves used for fire suppression service.	508.5.1.1 <u>507.5.7</u>
<p>Flammable and combustible liquids.</p> <p>1. To use or operate a pipeline for the transportation with facilities or flammable or combustible liquids. This requirement shall not apply to the offsite transportation (DOTn) (see Section 3501.1.2) nor does it apply to piping systems (see Section 3503.6).</p> <p>2. To store, handle or use of Class I liquids in excess of 5 gallons (19L) in a building or in excess of 10 gallons (37.9L) outside of a building, except that a permit is not required for the following:</p> <p>2.1 The storage or use of Class I liquids in the fuel tanks of a motor vehicle, aircraft, motorboat, mobile power plant or mobile heating plant unless such storage, in the opinion of the fire official would cause an unsafe condition.</p> <p>2.2 The storage or use of paints, oils, varnishes or similar flammable mixtures when such liquids are stored for maintenance, painting or similar purposes for a period of not more than 30 days.</p> <p>3. To store, handle or use Class II or Class IIIA liquids in excess of 25 gallons (95L) in a building or in excess of 60 gallons (227L) outside a building, except for fuel oil used in connection with oil-burning equipment.</p> <p>4. To remove Class I or Class II liquids from an underground storage tank used for fueling motor vehicles by means other than the approved, stationary on-site pumps normally used for dispensing purposes.</p> <p>5. To operate tank vehicles, equipment, tanks, plants, terminals, wells, fuel-dispensing stations, refineries, distilleries and similar facilities where flammable and combustible liquids are produced, processed, transported,</p>	3401.4

stored, dispensed or used.

6. To install, alter, remove, abandon, place temporarily out of service (for more than 90 days) or otherwise dispose of an underground, protected above-ground or above-ground flammable or combustible liquid tank.

7. To change the type of contents stored in a flammable or combustible liquid tank to a material which poses a greater hazard than for which the tank was designed and constructed.

8. To manufacture, process, blend, or refine flammable or combustible liquids.

Flammable Solids.

3601.2

Flammable Gases.

3501.2

Floor Finishing. Using Class I or Class II liquids exceeding 350 square feet (33 m²).

1510.1.1

Fruit and crop ripening.

1601.2

Fumigation and Thermal Insecticidal Fogging.

1701.2

Hazardous materials.

PERMIT AMOUNTS FOR HAZARDOUS MATERIALS

TYPE OF MATERIAL

AMOUNT

Combustible liquids
liquids

See flammable and Combustible liquids

Corrosive material
Gases

See compressed gases

Liquids

55 gallons

Solids

1,000 pounds

Explosive materials

See explosives

Flammable materials

Gases

See compressed

gases

Liquids

See flammable and combustible

liquids Solids

100

pounds

Highly Toxic materials

Gases

See compressed

gases

Liquids

See flammable and

combustible liquids Solids

100 pounds

Oxidizing materials

Gases

See compressed

gases

Liquids

Class 4

Any amount

Class 3		1 gallon	
Class 2		10 gallons	
Class 1		55 gallons	
Solids			
Class 4		Any amount	
Class 3		10 gallons	
Class 2		100 gallons	
Class 1		500 gallons	2701.5
Organic peroxides			
Liquids			
Class I		Any amount	
Class II		Any amount	
Class III		1 gallon	
Class IV		2 gallons	
Class V		No permit required	
Solids			
Class I		Any amount	
Class II		Any amount	
Class III		10 pounds	
Class IV		20 pounds	
Class V		No permit required	
Pyrophoric materials			
Gases		See compressed	
gases	Liquids		
Any amount			
Solids		Any amount	
Toxic materials			
Gases		See compressed	
gases			
Liquids		10 gallons	
Solids		100 pounds	
Unstable (reactive) materials			
Liquids			
Class 4		Any amount	
Class 3		Any amount	
Class 2		50 pounds	
Class 1		100 pounds	
Water-reactive materials			
Liquids			
Class 3		Any amount	
Class 2		5 gallons	
Class 1		55 gallons	
Solids			
Class 3		Any amount	
Class 2		50 pounds	
Class 1		500 pounds	
For SI: 1 gallon = 3.785 L, 1 pound = 0.454 kg.			
Heliports and Helistops.			1107.1.1
Highly Toxic Materials.			3701.2
High-piled storage. Use a building or portion exceeding			2301.2

500 square feet (46 m ²).	
Indoor display of vehicles or equipment.	314.4.1
Indoor Pyrotechnics.	3308.1.2 <u>3308.2</u>
Industrial ovens.	2101.2
Lumber yards and woodworking plants. Storage or processing exceeding 100,000 board feet (8,333 ft ³) (236m ³)	1901.2
Liquid or gas fueled vehicles in assembly buildings.	3803.2.2.1
LP Gas. Storage and use inside or outside of any building. Exception: 1. Individual containers with 500 gallons (1893L) water capacity or less serving occupancies in Use Group R-3. 2. Operation of cargo tankers that transport LP gas.	3801.2
Magnesium. Melt, cast, heat treat or grind more than 10 pounds (4.54 kg).	3606.1.2 <u>3601.2</u>
Miscellaneous combustible storage. Store in any building or upon any premises in excess of 2,500 cubic feet (71m ³) gross volume of combustible empty packing cases, boxes, barrels or similar containers, rubber tires, rubber cork or similar combustible material.	315.1.2 <u>301.2</u>
Open burning. Open burning - Charitable organizations.	307.2
Open flames, heat producing appliances, or torches for removing paint.	308.4.1 <u>301.2</u>
Organic coatings. Manufacturing operation producing more than 1 gallon (4L) of an organic coating in one day.	2001.2
Organic peroxides.	3901.2
Oxidizers.	4001.2
Places of Assembly/educational. occupancy less than 50 persons occupancy 50 to 100 persons occupancy over 100 persons	408.1.1 <u>408.1.2</u>

Private fire hydrants.—	508.5.1.1—
Pyrophoric materials.	4101.2
Pyroxylin plastics. Storage and handling of more than 25 pounds (11kg) or cellulose nitrate (pyroxylin) plastic and for the assembly or manufacture of articles involving pyroxylin plastics.	4201.2
Refrigeration equipment.—	606.1.2—
Repair Garages, Service Stations and Motor Fuel Dispensing Facilities.	2201.2
Semiconductor Fabrication Facilities - HPM Facilities.	1801.5
Special Outdoor Assembly and Events.	403.1.2 <u>403.2.2</u>
Application of Flammable Finishes, Spraying and Dipping.	1501.2 <u>.3</u>
Storage of scrap tires and tire by-products. Establish, conduct or maintain storage of scrap tires and tire by-products exceeding 2,500 cubic feet (71m ³) of total volume of scrap tires and for indoor storage of tires and tire by-products.	2509.2 <u>.3</u>
Temporary membrane structures, tents and canopies.	2403.2 <u>2403.4</u>
Tire rebuilding plants.	2501.2
Torches for removing paint and sweating pipe.	308.4.1 <u>301.2</u>
Unstable (reactive) materials.	4301.2
Waste material and junk yards.	316.2 <u>318.2</u>
Water reactive materials.	4401.2
Wood products. Store chips, hogged material, lumber or plywood in excess of 200 cubic feet (6 m ³)	1907.1.1

The permit fees for each item set forth in Table 107.2, Operational Permit Requirements, shall be set from time to time by City Council by resolution.

~~**108.3.1 Period of validity.** Permits are valid for a period of 12 months from issuance.~~

~~unless a different period is stated on the permit or the permit is revoked. Notwithstanding the foregoing, multiple permits issued at different times for the same location shall all expire at the same time as the first permit issued for the location.~~

108.3.5.1 Access to permit premises. Any person or business required by section 107.2 to have a permit(s) on premises shall make the necessary keys, any manufacturers material safety data sheets related to products regulated by the permit(s), location of the operation subject to permit(s) within the premises, emergency personnel information and other pertinent information relating to the permitted activity available to fire department personnel by use of an approved locking box on the exterior of the building.

~~**108.3.5.2 Permit location.** Permits are valid only at the location stated in the permit and cannot be transferred to a different location or address.~~

~~**108.3.5.3 Permit location - exception.** Permits issued under sections 308.4.1 for the use of a heat producing appliance or torch to remove paint or 2601.2 for cutting and welding operations may be used on a citywide basis during the period of validity of the permit. All necessary fire protection equipment required by section 308.4 and Chapter 26 of the Virginia Statewide Fire Prevention Code, or other referenced codes or standards, must be in place and ready for use at each location prior to beginning operations covered under these types of permit(s).~~

110.7 Imminent danger or threat to human health or safety or to property. If the fire official determines that any violation creates an imminent danger or threat to human health or safety or to property, the fire official may forthwith correct or abate such violation, and request that the city attorney institute appropriate legal proceedings to recover the full cost of such response from the property owner, tenant or other responsible party.

~~**Person:** Includes a corporation, firm partnership association, organization or any other group acting as a unit, as well as individuals. It shall also include an executor, administrator, trustee, receiver or other representative appointed according to law. Whenever the term "person" appears in any section of this code prescribing a penalty or fine, as to partnerships and associations, the word shall include the partners or members thereof, and as to corporations, shall include the officer, agents or members thereof, who are responsible for any violation of such section.~~

~~**303.10 Permits.** Permits shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2.~~

~~**303.10.1 Safety Plan.** Where required by the Director of Code Enforcement fire official, a fire safety plan, emergency procedures, and employee training programs for roof installation, repair, and other related operations shall be approved by the Director of Code Enforcement fire official prior to operations.~~

~~**304.1.1 Waste materials.** Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste, cooking oils, or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.~~

~~**304.3 Containers.** Combustible rubbish and waste material shall be stored in accordance with Section 304.3.1 through 304.3.3.~~

~~**304.3.1.1 Container lids.** All containers shall be equipped with a self-closing lid unless approved by the fire official.~~

~~**304.3.2.1 Secondary containment.** All cooking oil containers exceeding 5.33 cubic feet (40 gallons) shall be provided with approved secondary containment.~~

~~**306.3 Permits.** Permits shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2.~~

307.1 General. A person shall not cause or allow open burning unless approved in accordance with this code and the air pollution control code (chapter 1 of title 11 of the City Code) of the city. No person shall kindle, or authorize to be kindled or maintain any fire in such a manner that it constitutes a danger to public health and safety as determined by the fire official.

~~**307.2 Permit Required.** A permit shall be obtained from the fire official in accordance with Table 107.2 prior to kindling a fire for recognized silvicultural or range or wildlife management practices, prevention or control of disease of pests, or a bonfire. Application for such approval shall only be presented by and permits issued to the owner of the land upon which the fire is to be kindled.~~

~~**307.2.1 Allowable burning:** Open burning shall be allowed without prior notification to the fire official for recreational fires, highway safety flares, fires for the training of fire fighters under the direction of the fire department, smudge pots.~~

~~**307.2.2 Prohibited Open Burning.** Open burning that will be offensive or objectionable because of smoke or odor emissions when atmospheric conditions or local circumstances make such fires hazardous shall be prohibited. The fire official is authorized to order the extinguishment by the permit holder of the fire department of open burning.~~

~~**308.4 Torches for removing paint and sweating pipe.** Persons utilizing a torch or other heat-producing device for removing paint from a structure shall provide a minimum of one portable fire extinguisher complying with Section 906 and with a minimum 4-A rating, two portable fire extinguishers, each with a minimum 2-A rating, or a water hose connected to the water supply on the premises where such burning is done. The person doing the burning shall remain on the premises 1 hour after the torch~~

~~or flame-producing device is utilized. This person shall and shall have access to a means of contacting the fire department in an emergency.~~

~~**308.4.1 Permit required.** A permit shall be obtained from the Director of Code Enforcement in accordance with Table 107.2 prior to the utilization of a torch or other heat-producing device for removing paint. See 2601.2~~

~~**314.4 Vehicles and equipment.** It shall be unlawful to store, display or repair in or on a building or structure, or any part thereof, any vehicle, tool or equipment that has a fuel tank containing a flammable or combustible liquid or liquified petroleum gas as a source of fuel, unless the building or structure is built and maintained in accordance with the requirements of the Virginia Uniform Statewide Building Code, and this code, for such storage, display or repair; provided that this section shall not apply to single family dwellings here the storage, display or repair is not conducted as a business. Where indoor display of vehicles is permitted by the fire official, the following safeguards shall be employed:~~

- ~~1) Batteries are disconnected~~
- ~~2) Fuel in tank does not exceed one quart tank or 5 gallons (19L), whichever is least.~~
- ~~3) Fuel tanks and fill openings are closed and sealed to prevent tampering.~~
- ~~4) Vehicles, boats or other motorcraft equipment are not fueled or defueled within the building.~~

~~**314.4.1 Permit Required.** A permit shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2.~~

~~**314.5 Storage or display in roofed-over malls.** No combustible goods, merchandise or decorations shall be displayed or stored in a roofed-over mall unless approved by the fire official.~~

~~**315.1 General.** Storage, use, and handling of miscellaneous combustible materials shall be in accordance with this section.~~

~~**315.1.2 Permit Required.** A permit shall be obtained from the Director of Code Enforcement in accordance with Table 107.2.~~

~~**315.2.1 Ceiling clearance.** Storage inside any structure shall be maintained in a neat, orderly and safe manner. No storage shall be permitted within 24 inches of the lowest portion of a ceiling, or the supporting structure thereof, or within 18 inches of the deflector plate of a sprinkler head, is if so equipped, in any building. In buildings where sprinkler heads are mounted above the supporting structure of the roof, no storage shall be permitted within 18 inches of the supporting structure.~~

~~**315.5 Secondary containment.** All cooking oil containers exceeding 5.88 cubic feet (44 gallons) shall be provided with approved secondary containment.~~

316.0 318.0 Waste Materials and Junk Yards.

316.4 318.1 General. No person making, using, storing, having charge of or having under his control in a building or on any vacant lot, alley, parking lot, open space or property any combustible excelsior, rubbish, sacks, bags, litter, hay, straw or other combustible waste material shall fail at the close of each day to remove all such material which is not compactly baled and/or stacked in an orderly manner, from the building or on any vacant lot, alley, parking lot, open space or property or store it in suitable vaults or in metal-lined and covered receptacles or bins. The ~~Director of Code Enforcement~~ fire official shall require suitable baling equipment to be installed in stores, apartment buildings, factories and other buildings where accumulations of paper and waste material are not removed at least every second day.

316.2 318.2 Permits. Permits shall be obtained from the ~~Director of Code Enforcement~~ fire official in accordance with Table 107.2 for the operation of waste material facilities, junkyards or any facility where 2500 cubic feet or material is stored.

317.0 319.0 Noxious, Flammable or combustible vapors.

317.1 319.1 General. This section shall apply to any process or operation which produces flammable, combustible or noxious fumes or vapors, other than during the regular course of processed or operations normally conducted at the premises.

317.2 319.2 Ventilation. All such processes or operations shall have sufficient natural or supplies ventilation to prevent the migration of such fumes or vapors within the structure. Such processes or operations shall be conducted at times when the building has the fewest number of occupants.

317.3 319.3 Ignition sources. No such process or operation shall be conducted prior to assuring that all potential ignition sources have been identified and extinguished.

317.4 319.4 Alarm and sprinkler systems. If the potential exists to activate an alarm system by conducting such a process or operation, the alarm system shall be disabled and a fire watch in accordance with the requirements of Chapter 9 section 901.7 in this document Appendix B, "Requirements for a Fire Watch" shall be maintained by a person other than the person conducting the process or operation. The person maintaining the fire watch shall have the capability of contacting the Fire Department without having to reactivate the alarm system. No disabling of the alarm system shall be permitted, without prior notification to ~~Fire Department Communications Division~~ Department of Emergency Communications. Any protective measures taken to protect either the fire alarm or sprinkler systems at the premises, such as covering detectors or taping sprinkler head, shall be reported to the communication section of the fire department, prior to such measures being taken. At the completion of the process or operation, all such systems shall be fully restored to function and the fire department shall be so notified.

~~317.5~~ 319.5 Fire Department notification. Any person conducting such process or operation shall notify the ~~Fire Department Communications Division~~ Department of Emergency Communications of the time, date and place at which such process or operation will be conducted at least 24 hours prior to commencement. Such notice is required even is a permit has previously been obtained for the process or operation.

~~317.6~~ 319.6 Occupant notification. The owner, tenant, property manager or other person responsible for causing such process or operation to be conducted shall give reasonable notice to occupants of the premises of the type of process, date and time of occurrence and of the potential for the production of flammable, combustible or noxious fumes or vapors.

403.2.2 Permits. A permit shall be obtained from the ~~Director of Code Enforcement~~ fire official for special outdoor assembly events, carnivals and fairs in accordance with Table 107.2

403.2.1.3 Submission of Safety plan. A safety plan outlining the event shall be submitted to the ~~Director of Code Enforcement~~ fire official 30 days prior to the event start date. The safety plan shall include a site map identifying locations of fire lanes, apparatus access points, food vendors, amusement rides, tents, hazardous materials, hydrants, citizens assembly points and emergency evacuation shelters.

403.2.2.4 Emergency coordinators. The event coordinator shall provide the ~~Director of Code Enforcement~~ fire official with on-site and emergency contact telephone numbers for at least five event coordinators.

403.2.3.5 Outdoor food handling. All deep fat fryers, woks utilized for deep fat frying or similar cooking devices using hot oil or grease shall be in a mobile unit or trailer with a vented hood and an approved fire suppression system.

403.3.4 Permits. A permit shall be obtained from the ~~Director of Code Enforcement~~ fire official for all indoor exhibits, trade shows, and special amusement events in accordance with Table 107.2.

403.3.4.1 Permits. A permit shall be obtained from the ~~Director of Code Enforcement~~ fire official for the utilization of a space or structure for the purposed of assembly in accordance with Table 107.2

404.2 Where required:

3. Group E. Fire evacuation plans for all educational occupancies shall be submitted to the fire official for review and approval at least 30 days prior to the start of each school session, unless otherwise approved by the fire official.

404.2.1. Fire evacuation plans.

Table 405.2
~~FIRE AND EVACUATION DRILL FREQUENCY AND PARTICIPATION~~

Group or Occupancy	Frequency	Participation
Group A	Quarterly	Employees
Group E	Monthly (a)	All occupants (c)
Group I	Quarterly on each shift	Employees (b)
Group R-1	Quarterly on each shift	Employees
Group R-4	Quarterly on each shift	Employees

- ~~(a) The frequency shall be permitted to be modified in accordance with Section 408.3.2.~~
- ~~(b) Fire and evacuation drills in residential care assisted living facilities shall include complete evacuation of the premises in accordance with Section 408.10.5. Where occupants receive habilitation or rehabilitation training, fire prevention and fire safety practices shall be included as part of the training program.~~
- ~~(c) In those buildings equipped with "areas of rescue assistance" evacuation to such areas by persons designated to use such areas shall be deemed to comply with the requirements of this section.~~

Table 405.2

Note: In those buildings equipped with "areas of rescue assistance" or "horizontal exits", evacuation to such areas by persons designated to use such areas, shall be deemed to comply with the requirements of this section.

408.1.2 Permits. Permits shall be obtained from the Director of Code Enforcement fire official for all places of assembly and education in accordance with Table 107.2.

408.11 Covered mall buildings. Covered mall buildings shall comply with the provisions of Sections 408.11.1 through 408.11.3 408.11.4.

408.11.4 Permit required. A permit shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2.

~~**501.4 Timing of installation:** Fire apparatus access roads and water supply for fire protection shall be installed and maintained in accordance with Appendix A "Water and Fire Requirements for New Construction," prior to, and during construction, except when alternative methods of protection are approved by the fire official. Temporary street signs shall be installed at each intersection when construction of new roadways allows passage of vehicles in accordance with Section 505.2.~~

503.1 Emergency access roadways. Emergency vehicle access shall be installed and maintained in accordance with this section and Appendix A "Water and Fire Requirements for New Construction" D, Emergency Vehicle Access.

503.1.1 Permit Required. A permit shall be obtained from the fire official in accordance with Table 107.2 for all emergency vehicle access roadways.

503.1.2 4 Temporary Emergency Vehicle Easements fire lanes. The Fire Official fire official is authorized to designate and identify temporary emergency vehicle easements fire lanes during emergency conditions to ensure access of fire department equipment and personnel.

503.2 Signs and markings. The property owner or designee shall supply, install and maintain signs and other markings to designate and identify fire lanes (emergency vehicle easements) emergency vehicle easements as directed by the Director of Code Enforcement fire official. The signs shall identify the starting point, continuation and end point for all emergency vehicle easements. fire lanes.

503.3 Sign Specifications. Emergency Vehicle Easement Fire lane signs shall conform to the following standards, and shall be installed in accordance with the requirements of Appendix A "Water and Fire Requirements for Site Plans and New Construction" as follows: D, Emergency Vehicle Easements.

Metal construction, dimensions 12 inches by 18 inches.

Red letters on a reflective white background, with a three eights inch red border around the entire outer edge of the sign.

Red directional arrows on the sign shall be used to indicate the direction and continuation of the fire lanes.

Lettering size and layout with uniform spacing between words and centered inside the red border as follows:

NO (2 inches)

PARKING (2 inches)

FIRE (2 1/2 inches)

LANE (2 1/2 inches)

(directional arrow) (1 inch x 6 inch solid shaft with solid head 1 1/2 inches wide and 2 inches deep)

EM. VEH. EAS. (1 inch)

City of Alex. (1/2 inch) or approved City Seal

503.4 Obstruction of fire apparatus access roads. Fire apparatus access roads and fire lanes emergency vehicle easements shall not be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 Appendix A "Water and Fire Requirements for New Construction," and D, Emergency Vehicle Easements shall be maintained at all times.

506.1 Key repository: Owners of building in which fire alarm or fire suppression systems are installed after June 14, 1997, shall provide a key repository to the satisfaction of the fire official. This key repository shall be of a type approved by the fire official and shall be located on the exterior of the building, near the main entrance. Keys shall be placed in the repository to allow the fire department access to investigate alarms of fire reported from the building.

~~**508.3 507.3 Fire flow.** Fire flow requirements for buildings or portions of buildings and facilities shall be determined in accordance with Appendix A "Water and Fire Requirements for Site Plans and New Construction" B, Fire Flow Requirements for Buildings.~~

~~**508.5.1 507.5.1 Where required.** Fire hydrants shall be installed as required by Appendix A "Water and Fire Requirements for Site Plans and New Construction" C, Fire Hydrant and Fire Main Requirements.~~

~~**508.5.1.4 507.5.7 Permits.** Permits shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2 for all private and public fire hydrants to operate or use fire hydrants or valves used for fire suppression service. All private fire hydrant use shall be coordinated with the property owner and the fire official.~~

Exception: A permit is not required for authorized employees of the City of Alexandria, the Virginia American Water Company or their designees that manage the water system or the Fire Department to use or operate fire hydrants or valves.

~~**509.1.4 508.1.5 Required Features. 17.** All buildings that have a fire control room shall equip that room with an operations manual. The fire official shall review and approve the contents of the manual.~~

~~**601.2 Permit required.** A permit shall be obtained from the Director of Code Enforcement in accordance with Table 107.2.~~

~~**606.1.2 Permit required.** A permit shall be obtained from the Director of Code Enforcement in accordance with Table 107.2.~~

~~**608.1.1 Permit required.** A permit shall be obtained from the Director of Code Enforcement fire official in accordance with Table 107.2.~~

~~**609.3 Service.** All commercial kitchen hoods and ductwork shall be cleaned, serviced and maintained at a minimum of 6-month intervals. A cleaning schedule shall be submitted for review and approval to the fire official if requested.~~

901.6.2 Test records. A completed written record of all tests and inspections required under this chapter shall be maintained on the premises by the owner or occupant

responsible for said premises and a copy of any such record shall be provided to the ~~Code Official~~ fire official after the completion of any test or inspection if requested. Accurate logs shall be maintained, indicating the number, location and type of device tested. Any defect, modification or repair shall be logged, and the log shall be made available to the fire official. All records of system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of 5 years and made available to the ~~Code Official~~ fire official upon request.

901.6.3 Test responsibility and notification: The ~~Code Official~~ fire official shall not be responsible for any damages incurred during any test required under the provisions of this chapter. Any test required under the provisions of this chapter shall be performed in the presence of the ~~Code Official~~ fire official, unless such requirement is waived by the ~~Code Official~~ fire official. Any such test shall be scheduled at the convenience of the owner or occupant responsible for said premises and the ~~Code Official~~ fire official.

901.6.4 Periodic testing, inspection and maintenance: All water-based extinguishing systems including fire sprinkler, water mist, water-spray, and standpipe systems shall be periodically inspected, tested, and maintained in accordance with the requirements of NFPA 25 listed in Chapter 45 47. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official, unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.5 Periodic testing, inspection and maintenance. All foam-extinguishing systems shall be periodically inspected tested, and maintained in accordance with NFPA 11, and NFPA 16, and NFPA 25 listed in Chapter 45 47 and Section 904.7 through 904.7.1. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.6 Periodic testing, inspection and maintenance. All fire suppression systems including those listed in Sections 901.6.7 through 901.6.11 shall be periodically inspected, tested, and maintained in accordance with the requirements and standards listed in Chapter 45 47. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.7 Periodic testing, inspection and maintenance. All carbon dioxide extinguishing systems shall be periodically inspected, tested, and maintained in accordance with NFPA 12 listed in Chapter 45 47 and Sections 904.8 through 904.8.5. Any required inspections and tests shall be performed in the presence of the ~~Code~~

~~Official~~ fire official unless such requirement is waived by the ~~Code-Official~~ fire official. Fees for the attendance of the ~~Code-Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code-Enforcement-Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.8 Periodic testing, inspection and maintenance. All halogenated extinguishing systems shall be periodically inspected, tested, and maintained in accordance with NFPA 12A listed in Chapter 45 47 and Sections 904.9 through 904.9.4. Any required inspections and tests shall be performed in the presence of the ~~Code-Official~~ fire official unless such requirement is waived by the ~~Code-Official~~ fire official. Fees for the attendance of the ~~Code-Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code-Enforcement-Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.9 Periodic testing, inspection and maintenance. All clean agent fire extinguishing systems shall be periodically inspected, tested, and maintained in accordance with NFPA 2001 listed in Chapter 45 47, the system manufacturer's instructions and Sections 904.10 through 904.10.3. Any required inspections and tests shall be performed in the presence of the ~~Code-Official~~ fire official unless such requirement is waived by the ~~Code-Official~~ fire official. Fees for the attendance of the ~~Code-Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code-Enforcement-Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.10 Periodic testing, inspection and maintenance. All dry-chemical extinguishing systems shall be periodically inspected, tested, and maintained in accordance with NFPA 17 listed in Chapter 45 47, the system manufacturer's instructions and Sections 904.6 through 904.6.2. Any required inspections and tests shall be performed in the presence of the ~~Code-Official~~ fire official unless such requirement is waived by the ~~Code-Official~~ fire official. Fees for the attendance of the ~~Code-Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code-Enforcement-Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.11 Periodic testing, inspection and maintenance. All wet-chemical extinguishing systems shall be periodically inspected, tested, and maintained in accordance with NFPA 17A listed in Chapter 45 47 and Sections 904.5. and 904.5.2. Any required inspections and tests shall be performed in the presence of the ~~Code-Official~~ fire official unless such requirement is waived by the ~~Code-Official~~ fire official. Fees for the attendance of the ~~Code-Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code-Enforcement-Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.12 Periodic testing, inspection and maintenance. All fire detection and alarm systems shall be periodically inspected, tested, and maintained in accordance with NFPA 72 listed in Chapter 45 47 and section 907.20 9 and 907.20.5-9.5. Any required

inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.13 Periodic testing, inspection and maintenance. Emergency alarms in building, rooms or areas used for the storage of hazardous materials shall be periodically inspected, tested, and maintained. Test methods and frequency shall be in accordance with NFPA 72 listed in Chapter 45 47 and Section 908. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.14 Periodic testing, inspection and maintenance. All fire pumps shall be periodically inspected, tested, and maintained in accordance with NFPA 25 listed in Chapter 45 47 and Section 913. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.15 Periodic testing, inspection and maintenance. Water tanks, fire service mains, and fire hydrants shall be periodically inspected, tested and maintained in accordance with NFPA 25 listed in Chapter 45 47. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.16 Periodic testing, inspection and maintenance. All fire department connections shall be periodically inspected and tested and maintained in accordance with NFPA 25 listed in Chapter 45 47 and Section 912. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless such requirement is waived by the ~~Code Official~~ fire official. Fees for the attendance of the ~~Code Official~~ fire official shall be charged in accordance with the fee schedule of the ~~Code Enforcement Bureau~~ Fire Prevention and Life Safety Section of the Alexandria Fire Department.

901.6.17 Periodic testing, inspection and maintenance. All smoke control and smoke management systems shall be periodically inspected, tested, and maintained in accordance with the requirements listed in Section 909.20. Any required inspections and tests shall be performed in the presence of the ~~Code Official~~ fire official unless

