



CITY OF SOMERVILLE, MASSACHUSETTS
PLANNING BOARD
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FREDERICK J. LUND, *SENIOR DRAFTSMAN*

Case #: PB2007-29-R0709

Site: Assembly Square Drive-Roadway

Date: August 6, 2009

PLANNING STAFF REPORT

Applicant Name: FR Sturtevant Street, LLC

Applicant Address: 1626 East Jefferson Street, Rockville, MD 20852

Property Owner Name: FR Sturtevant Street, LLC and FR Assembly Square, LLC

Property Owner Address: 1626 East Jefferson Street, Rockville, MD 20852

Agent Name: Street-Works LLC

Alderman: Roche

Legal Notice: The Applicant, IKEA Properties, Inc., Owner, FR Sturtevant Street, LLC, and their Agent, Vanasse Hangen Brustlin, Inc. seek to revise a previously approved Special Permit with Site Plan Review-A final level approval of a phase ("Phase 1AA") of a planned unit development (S.Z.O. §16.8.3) in order to revise plans for gateway elements and landscaping at the intersection of Assembly Square Drive and Mystic Avenue, and associated improvements serving Phase 1AA, all under the Planned Unit Development Preliminary Master Plan approved by the Planning Board on December 14, 2006. Proposed changes would also require certain conditions of earlier permits to be revised.

The owners of the parcels subject to these applications are:

FR Sturtevant Street, LLC – Parcels 99-A-2, 99-A-3, 99-A-4, 99-A-5, 99-A-7, 99-A-8, 99-A-6, 101-B-24

FR Assembly Square, LLC – Parcels 67-A-1, 86-A-1

These parcels are also commonly known as 16-34 and 100 Assembly Square Drive (f/k/a Sturtevant Street), 123 and 147 Foley Street, the so-called "Yard 21 Parcel" and the proposed area of Assembly Square Drive.

Assembly Square Mixed Use District (ASMD); Planned Unit Development Overlay District - A (PUD-A).

Zoning Approval Sought: Under §5.3.8: Revisions to SPSR-A, final level approval of a PUD (§16.8)

Date of Application: July 22, 2009

Date(s) of Public Hearing: Planning Board: August 6, 2009

Date of Decision: N/A

Vote: N/A

I. PERMITTING PROCESS

On December 14, 2006, the Planning Board granted Planned Unit Development-A-Preliminary Master Plan (PUD-PMP) approval, subject to certain conditions, for a development area that includes the subject property. On October 18, 2007, the Planning Board granted conditional approval of (PB2007-29):

- o SPSR-A for final level approval of a phase of the PUD (§6.4.9), including construction of the IKEA store and reconstruction and realignment of Assembly Square Drive; and
- o Special Permit for Signage in order to exceed the maximum height and area of allowable signage (SZO §6.4.14.c).
- o Site Plan Approval for subdivision of parcels (SZO §5.4).

In October 2008, the Planning Board (PB2007-29-R0908) granted approval to revise the SPSR-A in order to accommodate certain changes to the building and the site, and to revise Special Permit for Signage in order to reconfigure the sign plan.

In December 2008 the Planning Board (PB2007-29-R1108) granted approval for revisions to the layout of Assembly Square Drive with associated revisions to the Site Plan Approval for subdivision.

The Applicant now seeks approval for revisions to the gateway elements and landscaping at the intersection of Assembly Square Drive and Mystic Avenue and to incorporate landscaping elements along the eastern side of Assembly Square Drive.

III. DESCRIPTION OF PROPERTY

Assembly Square Drive currently terminates at Foley Street, at the entrance to the Assembly Square Marketplace site. The 2007 SPSR approved a realignment of this roadway to accommodate an extension of the road along the east side of the Marketplace property. The land proposed for the extension of the roadway is the area that would be effected by this application and is presently undeveloped.

The area where the gateway elements are proposed is located at the northeast corner of the intersection of Assembly Square Drive and Mystic Avenue. The city-owned land is currently vacant.

IV. DESCRIPTION OF PROPOSAL

A. Gateway Elements

The applicant is proposing to construct landscape and gateway elements that will identify this location as an entrance to Assembly Square. The proposal incorporates a "gateway feature" that is an approximately 45 ft long curved brick wall that follows the contour of the intersection. The wall is approximately 2 ft in height except that at each end there would be a square brick pillar of 4 ft on Mystic Avenue and 8ft on Assembly Square Drive. The pillar on Assembly Square Drive would also include a light feature up to 22 ft in height. The brick façade features recessed light fixtures near the ground level and precast parapet and base features with integrated color.

Extending from the Assembly Square Drive pillar above the 2 ft wall is where Assembly Square signage is proposed. The Assembly Square lettering will be affixed to powdercoat steel "slats" that provide transparency to the sign. The sign would be backlit creating a halo like effect on the letters.

The supplemental information dated July 29, 2009 that are not subject to Planning Board approval show a series of gateways (Lombardi Street and Broadway, Middlesex Avenue and Route 28, Assembly Square Drive and Route 28) that would all feature similar design components. The style, design, materials and form would create a consistency for the major entryways to the Assembly Square development.

The remaining area will be landscaped with shrubs, perennials and grass.

B. Assembly Square Drive Landscaping

The applicant is proposing to reduce the approximately 15 ft wide concrete sidewalk to incorporate an approximately 5 ft wide strip of grass and trees and a 2 ft wide paver strip along the eastern side of Assembly Square Drive from the traffic circle to the area near the IKEA building. The width of the remaining concrete sidewalk would be 8 ft in the area adjacent to the buildings. The landscaping strip would run between the concrete sidewalk and the proposed 2 ft wide paver strip that would run adjacent to the parallel parking area and roadway.

V. STAFF FINDINGS

Section 5.3.8 of the SZO states “Revisions that are not *de minimis* shall be subject to the full notice and hearing provisions of §5.3.2 of this Ordinance, but shall not be subject to review by additional boards, departments, city agencies or commissions except as requested by the SPGA or upon the recommendation of the Planning Director. Applicable findings shall be made in accordance with the type of permit(s) being revised.”

Findings for Revisions to SPSR-A for Final Level Approval of a Phase of a PUD

In addition to making SPSR findings under SZO §5.2.5, findings for the SPSR-A review process (SZO §6.4.9) must be made, due to the site’s location within the Assembly Square Mixed-Use District.

In SPSR-A review, findings must be made in accordance with the following:

- SZO §5.2.5.a-h
- SZO §6.4.9: submission requirements, review criteria, development standards, design guidelines, and required findings and determinations specific to SPSR-As. Incorporates additional requirements (listed below) by reference.
- SZO §6.4.7: development standards and design guidelines for all developments in ASMD.
- SZO §6.4.8: development standards and design guidelines for large developments in ASMD.
- Conditions of Preliminary Master Plan-Planned Unit Development-A (PMP-PUD-A)
Approval: As there are many detailed conditions, compliance will be referred to in general terms, except where clarification or modification is needed.

As with the original report, detailed findings for the SPSR-A and the original PUD are contained in appendices (Appendix B, which pertains to subdivision not included). The findings made in earlier revisions have been updated for this report and any additions have been underlined:

- Appendix A: Findings documenting compliance with the SPSR-A;
- Appendix C: Compliance with Conditions attached to PUD-PMP approval.

VI. STAFF RECOMMENDATION AND CONDITIONS

Based on the materials submitted by the Applicant, review and comments from City staff, and the attached findings, the Planning staff finds that the proposed revisions would improve the project, and that the development would remain consistent with the objectives of the ASD Plan, and recommends **CONDITIONAL APPROVAL** of the requested **REVISIONS TO SPECIAL PERMIT WITH SITE PLAN REVIEW-A** for Final Level Approval of Phase 1AA of the Assembly Square Planned Unit Development-A-Preliminary Master Plan approved by the Planning Board on December 14, 2006; and

To ensure that this phase as completed is compatible with the overall PMP, the Planning Board has amended the conditions in the following **Table 1**. These conditions shall update and supersede conditions of the prior permit. Changes from the prior approval are noted in the “Notes” column, with additions marked in underline and deletions marked in ~~strike through~~.

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

The Planning Staff has made the following findings for the original approval and subsequent revisions to the Special Permit with Site Plan Review-A.

The findings related to the proposed revisions to the gateway and roadway plans in this application (PB2007-29-R0709) are underlined.

5.2.5 (a-h) Findings and Determinations for SPSRs		Met	Not Met	Change / Mitigation / Waiver Needed or Other Comments
a.	<u>Information supplied.</u>	X		The Applicant has submitted the information required by SZO §5.2.4.
b.	<u>Compliance with standards.</u>	X		As before, Planning staff find that the proposed revisions would substantially comply with the standards of the SZO and its guidelines.
c.	<u>Purposes of district.</u>	X		As before, Planning staff find that the proposal addresses nearly all of the objectives of the Assembly Square Mixed-Use District, as specified in Article 6, including “increas[ing] real estate investment and maximiz[ing] development”, “creat[ing] new jobs”, “promot[ing] accessibility to and within the district by improving existing and creating new roadways, pedestrian walkways and bicycle paths”, “replac[ing] vacant or underutilized land, low-density development, and incompatible uses...”, “improve[ment of] utilities and infrastructure”, “creat[ion] of new public open space”, “encourage[ment of] transit-oriented development”, and “increas[ing] the supply of affordable housing units within the City”.
d.	<u>Site and area compatibility.</u>	X		Planning staff find that the proposed revisions would increase the compatibility of the development with its immediate surroundings and with the community at large. <u>The gateway elements provide a visually appealing entrance to the area and coupled with the future work to be completed at Broadway and Lombardi will serve to visually connect Assembly Square to East Somerville. The proposed landscaping strip on the east side of Assembly Square Drive will mimic the sidewalk design on the western side of the street and create a parkway effect that would improve the overall experience on the roadway and area.</u>
e.	<u>Functional Design.</u>	X		Planning staff find that most of the proposed revisions would improve the functionality of the site. <u>Staff finds that the reduction of the width of the sidewalk along the east side of Assembly Square Drive will be beneficial. As high pedestrian traffic is not anticipated and a sidewalk that is too large could be alienating for pedestrians.</u>
f.	<u>Impact on Public Systems.</u>	X		As before, Planning staff find that the proposal will not create adverse impacts on the public services and facilities serving the development, such as the sanitary sewer system, the storm drainage system, the public water supply, the street system, and the sidewalks. <u>The revision to the sidewalk on the eastern side of Assembly Square Drive would result in improvements to these systems and facilities by decreasing the non-pervious surface area.</u>

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

5.2.5 (a-h) Findings and Determinations for SPSRs		Met	Not Met	<i>Change / Mitigation / Waiver Needed or Other Comments</i>
g. <u>Environmental Impacts.</u>		X		As before, Planning staff find that the proposal will not create adverse environmental impacts, including off-site, unless those impacts are mitigated. With replacement of industrial businesses, capping of polluted soils, installation of environmentally-significant public infrastructure (such as stormwater and sewer facilities), advanced “green” design of the building and its stormwater park, the proposal is anticipated to have beneficial environmental impacts. <u>This proposal will improve the environment in the area with the addition of more grass and pervious surfaces.</u>
h. <u>Consistency with purposes.</u>		X		As before, Planning staff find that the proposal is consistent with the purposes of the Ordinance, including “to facilitate the adequate provision of transportation, water, sewerage...and other public requirements”, “to conserve the value of land...”, “to adequately protect the environment”, “to encourage the most appropriate use of land throughout the City”, and “to preserve and increase the amenities of the municipality.”

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

	Requirement	Met	Not Met	N
A. Submittal Requirements	Below listed requirements plus §5.2.3 requirements	X		
B. Referral to Other Agencies	Somerville Redevelopment Authority, Assembly Square Design Review Committee	X		N/A for revisions per §5.3.8
C. Criteria for Review	Must meet criteria below plus those of SZO Sections 5.2.5.a-h			
	Traffic impact & proposed mitigation consistent with Transportation Study, TIAS, and/or TDM Plan	X		Conditions attached would require continued monitoring and analysis and future resolution of unanticipated problems.
	§6.4 design guidelines			See 6.4.7 & 6.4.8 tables below
	Mixed use	X		Will be totally retail component of larger mixed-use development. Restaurant and open space satisfy requirement for this phase.
	Economic benefits	X		According to the PUD-PMP submission, IKEA will be the single largest employer in the Assembly Square area development, providing 475 jobs.
	Structured parking	X		Most of the parking is provided in a screened structure, with the remaining surface parking comprising only 1.2% of all parking, as allowed.
	Pedestrian/bike access	X		Sidewalks and bicycle access are provided. <u>The gateway design would improve the flow in the area by providing more order in the movement of pedestrians, bicycles and traffic, while improving the visibility of drivers entering the intersection.</u>
	Affordable Housing / Linkage	X		Linkage fees are a condition of approval.
	Views to Mystic River	N/A		N/A
	Enhanced and activated OS to offset shadow impacts	X		Insignificant shadow impacts anticipated from studies. Open spaces will be activated by: 1) educational facilities, 2) bus waiting areas/intersection, and 3) being part of a pedestrian sidewalk network.
	New or improved OS	X		Significant new open space is proposed as part of this development.
	Support of transit service	X		Proposal would provide funds toward station construction as well as parking for future users. There will also be a bus stop provided on Assembly Square Drive. Shuttle service from nearby stations will be provided until the Assembly Square Station opens.
	§5.2.5 review standards	X		
	Impacts on public facilities	X		Peer review indicates satisfactory design.
	Site drainage	X		Peer review indicates satisfactory design. City Engineer has reviewed and approved changes to the drainage, finding them to be minimal.

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

	<i>Requirement</i>	<i>Met</i>	<i>Not Met</i>	<i>N</i>
	Emergency vehicle access	X		Turnaround shown in revised plans. Design of proposed roundabout would accommodate emergency vehicles with mountable curb, but would restrict other vehicles to narrower turn radius.
	Placement or screening of electric, cable, and other lines and equipment	X		Utilities are shown as screened, but must be constrained by condition of approval. Condition: Garbage pick-up on Assembly Square Drive may not occur during business hours and no garbage may sit on street while awaiting pickup.
	Appropriateness of signage	X		Signage has been greatly reduced since original proposal. New sign package only requires a modicum of zoning relief and is more sensitive to its surroundings. Signage has been further reduced from the original proposal, increasing its compliance with the SZO. Directional signage has been relocated to improve on-site circulation. <u>Gateway signage is visually appealing and reflects the industrial heritage of the area through the use of brick, steel and heavy use of rivet like bolts. Also, the gateway signage is directional in nature, as opposed to identifying a specific establishment.</u>
	Screening of exposed machinery etc	X		Facilities are shown as screened and condition of approval will also require screening.
	Mitigation of shadows on OS	X		Addressed above.

The following two checklists outline design guidelines recommended in the Somerville Zoning Ordinance. While compliance with guidelines is not mandatory, they should be adhered to as often as possible.

6.4.7 Development Standards & Design Guidelines in ASMD				
	<i>Recommendation</i>	<i>Met</i>	<i>Not Met</i>	<i>Change / Mitigation / Waiver Needed or Other Comments</i>
A. Development Standards				
<i>Transportation Analysis</i>	Provide analysis, including TDM Plan	X		The Board finds that the analysis is logical and the proposed mitigation appears adequate for development beyond the proposed IKEA. Nevertheless conditions are attached for performance evaluation and problem resolution if needed after construction.
<i>Parking Requirements</i>	Meet requirements of §9.15	X		The application shows a minimum requirement of 340 vehicle parking spaces and 27 bicycle spaces; this requirement is met, with the provision of over 1300 vehicle spaces, and 30 bicycle spaces. Maximum parking limits of 600 spaces do not apply because the MBTA Orange Line station has not been built.
<i>Landscaping Requirements</i>	Meet requirements of Article 10; Provide contiguous O.S.	X		Open Space drawings illustrate an overall increase in Landscaping and Usable Open Space, as detailed in the body of this report. The plan for this phase exceeds the requirements of the Ordinance for Open Space, Usable Open Space, and trees. 150 trees were originally approved and are now proposed. <u>The revision to the eastern side of Assembly Square Drive continues to expand on the proposed landscaping and will incorporate several more trees into the development.</u>

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

6.4.7 Development Standards & Design Guidelines in ASMD				
	Recommendation	Met	Not Met	Change / Mitigation / Waiver Needed or Other Comments
<i>Pedestrian Connections</i>	Provide continuous pedestrian connections	X		Shown in plans with various paths, sidewalks, parks, and crosswalks. Revisions would accommodate a potential future recreational path, thereby providing the possibility of greater pedestrian connections. <u>As previously discussed the gateway elements and reduced sidewalk width on Assembly Square Drive will improve safety and create a more positive pedestrian experience.</u>
B. Design Guidelines				
<i>Street & Sidewalk Design</i>	Comply with <i>Design Guidelines for the Public Realm</i>	X		Will comply with added conditions: Street furniture, lighting, and design of crosswalks shall conform to standards set in Unifying Design Guidelines for the Public Realm. <u>The proposed revision to the eastern sidewalks of Assembly Square Drive between A Street and IKEA Way are designed in accordance with these guidelines. Design Guidelines indicate a minimum of 8 ft is necessary for comfortable pedestrian movement with a minimum 5 ft planting and furnishings zone. The gateway elements provide a visual connection that increases connectivity with the East Somerville neighborhood, which is an area that is specifically addressed in the Design Guidelines as an area to improve.</u>
<i>Building Design</i>	Create presence on street edge	X		Building is set close to major street edges of IKEA Way (proposed) and Assembly Square Drive. Entrances have been revised to be more prominent along streets.
	Create interesting entrance areas	X		Revised plans incorporate canopies and a false entrance (to the garage) terminating proposed “Main Street”. Improvements have been made to both main facades, with additional color and fenestration. Revised egress stairs also add interest.
	Visual interest of façade	X		Façade has varying setbacks and planes and incorporates different colors at key points.
	Break down scale of bldg to pedestrian scale	X		With revised signage, the building’s relationship to its surroundings has dramatically improved. Revised entrance design and signage plan has further broken down visual scale of building.
	Materials/colors consistent with historic buildings	N/A		
	Locate equipment / service areas away from public ways and screen; enclose inventory	X		Shown in plans and reinforced with a condition of approval.
	Vertical integration of uses. Ground floor uses add presence to public ways and sidewalks		X	The second part of this criterion is not met but site is part of larger PUD that will achieve this.

**Findings for SPSR-A under Sections 5.2.5 (a-h), 6.4.7, 6.4.8, and 6.4.9 of the Somerville Zoning Ordinance
Assembly Square Phase 1AA—Revisions to Gateway and Roadway Plans (PB2007-29-R0709)**

6.4.7 Development Standards & Design Guidelines in ASMD				
	<i>Recommendation</i>	<i>Met</i>	<i>Not Met</i>	<i>Change / Mitigation / Waiver Needed or Other Comments</i>
	Recommended minimum fenestration percentages		X	These recommendations are met on all but the North (IKEA Way) sides.
	Minimum visual access via windows	X		The inclusion of “shop windows” addresses this issue.
<i>Parking Lot Design</i>	Comply with §9.15. Avoid unbroken expanses of pavement.	X		Trees are provided in the surface parking and along pedestrian path.
<i>Open Space</i>	Landscaping strips not UOS	X		
	Mystic River	N/A		
<i>Efficiency of Design</i>	LEED checklist	X		The LEED checklist indicates a potential LEED Platinum score.
<i>Contributions</i>	Credits for contributions	N/A		
<i>Loading Spaces</i>	Reduce visual impacts of loading spaces	X		Loading is on second floor at “rear” along railroad. This level is largely screened with architectural “mesh” and year-round vines.

6.4.8 Development Standards & Design Guidelines for Large Developments				
	<i>Recommendation</i>	<i>Met</i>	<i>Not Met</i>	<i>Change / Mitigation / Waiver Needed or Other Comments</i>
A. Traffic Access & Impact Study	Submit, with TDM Plan	X		Traffic studies have been evaluated by peer consultants and found to be logical. Mitigation is found to be appropriate for the site.
B. Model	Submit 3-D model		X	Waiver granted for this phase.
C. Urban Block Plan	ASD street grid	X		IKEA will not be part of a grid but is designed to integrate visually. Assembly Square Drive will physically connect lettered streets with parking aisles of the Marketplace. Revisions anticipate modification of “A” and “B” Streets in mixed-use phase. The proposal would reduce left turns from Assembly Square drive, while maintaining an appropriate block size.
D. Development Standards				
<i>Transportation Analysis</i>	Provide analysis	X		See other transportation comments.
<i>Large Retail Projects</i>	Minimum non-retail component	X		Proposal is 340,000 s.f.-- must be balanced by 435,000 s.f. of nonretail elsewhere. Future phases include: 2100 residential units, 1.75M s.f. of office; a restaurant; a 62,000 s.f. cinema, and a 200-room hotel. As part of the PUD context, this large solely retail component is acceptable.
	Ground level retail cap	X		The ground level will be used for parking.
<i>Landscaping</i>	50% of LS to be UOS	X		
E. Design Guidelines	Structured parking	X		88% of parking is located in structures.

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

The Planning Staff finds that the applicable conditions of the Planned Unit Development-A/Preliminary Master Plan (PMP) would continue to be met for revisions to this phase, as further outlined below. (8/3/09 updated additions underlined, deletions ~~crossed out~~)

Condition	Met	Not Met	Mitigation / Waiver / Comments
A. <i>Transportation Management / Traffic Circulation</i>			
The Applicant shall revise the Traffic Impact Assessment Study (TIAS) in consideration of comments included in the Peer Review memorandums prepared by FST reviewing Existing Conditions, No-Build Conditions, and Build Conditions, consistent with MEPA review. Major actions to be taken prior to Phase 1A include: expanding the impact study area, documenting/justifying trip proposed generation rates, trip distribution, and trip reduction rates. The applicant shall consider issues discussed in Peer Review Memoranda. The Board shall consider the Peer Review Memoranda or any additional information when considering permit applications. All mitigation involving traffic signal upgrades must include specific discussion and documentation of the ability of all controllers to be left in place to fulfill the functions required of them by proposed mitigation. In addition, all traffic control equipment and roadway elements must meet City of Somerville specifications and standards. The Applicant shall consider all recommendations referenced in the Traffic Impact and Access Study Memo; On-Site Circulation Memo; and the Pedestrian and Bicycle Circulation Memo prepared by Fay, Spofford & Thorndike (FST). The Applicant shall also work with the Massachusetts Highway Department to include visible signage that will direct traffic to the site via highway and keep traffic at a minimum in residential neighborhoods.	X		The Applicant has completed a revised TIAS using an alternative method for their no-build analysis. However, peer consultants agree with the Applicant that the proposed traffic design and mitigation will be sufficient to handle the proposed vehicle trips. Expansion of the Impact Study Area will be allowed in the next phase, which will trigger MEPA and a study of intersections in Medford and Boston.
B. <i>Water System:</i>	X		<i>All water conditions met, according to the City's peer consultant. Peer consultants will be retained upon submission of final construction documents to confirm that final designs still meet all requirements.</i>

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
1. Applicant shall conduct additional hydraulic analyses to ensure that the City's system is capable of meeting the adjusted demands throughout the project. Applicant shall meet fire flow requirements while maintaining a minimum pressure of 20 psi at the fire location. In accordance with DEP guideline, a minimum pressure of 35 psi shall be maintained throughout the distribution system during normal demand conditions.	X		
2. Applicant shall have a fire protection engineer determine the fire protection requirement at each individual building and determine whether or not a sprinkler system will be necessary for each building. At the building permit application stages, all fire protection facilities must meet the requirements of the Somerville Fire Department.	X		
3. Applicant shall ensure that all materials shall be in accordance with the City of Somerville Water and Sewer Enterprise's Specifications and/or Rules and Regulations, latest issue.	X		
4. Applicant shall consider installing new hydrants, in consultation with the recommendations of the Fire Chief, at the following locations:	X		
• On "C" Street, approximately 100 feet east of the intersection of "A" Street	X		
• On "G" Street, approximately 180 feet north of the intersection of Ikea Way	X		
• On Assembly Square Drive, approximately 220 feet east of the intersection of Route28/Middlesex Fells Parkway	X		
• On Assembly Square Drive, approximately 550 feet east of the intersection of Route 28/Middlesex Fells Parkway	X		
• On Foley Street, approximately 80 feet east of the intersection of Middlesex Avenue	X		
• On Foley Street, approximately 420 feet east of the intersection of Middlesex Avenue	X		
5. Applicant shall install valves at each intersection, and correspondingly show and label on all drawings. All tees, bends, reducers, and other fittings should also be labeled on the drawings.	X		
6. Applicant shall provide individual calculations to determine the sizes	X		

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
necessary for the connections to each property. The proposed service connections to each of the new buildings shall be shown on further design drawings.			
C. Sanitary Sewer System:	X		Peer consultants indicate that all master plan conditions have been met. Peer consultants will be retained upon submission of final construction documents to confirm that final designs still meet all requirements.
1. All site plan review submissions shall include profiles of the proposed sewer system. Applicant must ensure that there are no conflicts with other proposed utilities.	X		
2. Applicant shall submit details of proposed pipe materials for review and approval during each site plan review process.	X		
3. Applicant shall make every effort to comply with DEP requirement that states “whenever possible” a minimum horizontal distance of ten feet shall be maintained between sewer lines and water mains. Exceptions are usually only allowed when there are conflicts with existing utilities or existing structures that would prevent obtaining the proper separation.	X		
4. Applicant shall evaluate the impact the proposed project flows will have on the MWRA interceptor and the upstream and downstream municipal sewer system.	X		
D. Stormwater Management	X		Peer consultants indicate that conditions have been met but compliance with certain conditions as indicated below must be verified upon submission of construction documents. The peer consultants will be retained at that time to review the final documents.
1. Applicant shall provide additional information to the Planning Board to verify the adequacy of the existing MWRA 84'-inch Somerville Marginal Conduit.	X		
2. Applicant shall further investigate the alternative drainage design	X		Full compliance will be verified upon submission of

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
identified in the PUD application.			Construction Documents.
3. Applicant shall provide the Planning Board with a status report on the receipt of necessary permits from MWRA.	X		
4. Applicant shall provide a more detailed analysis of the site hydrology for existing and proposed conditions during the 2-, 10-, and 100-year storm events.	X		
5. Applicant shall meet with DCR and obtain any and all necessary permits from DCR. Applicant shall furnish the Planning Board with copies of these permits.	X		
6. Applicant shall supply the Planning Board with copies of all test pit logs and locations for review.	X		
7. Applicant shall provide a detailed series of Best Management Practices (BMP's) to demonstrate a total suspended solids (TSS) removal rate of at least 80 percent. Plans shall include locations of all proposed BMP's.	X		
8. Applicant shall provide a detailed set of plans identifying items such as sequence of construction, limits of phasing, and placement/type of erosion control measures.	X		Full compliance will be verified upon submission of Construction Documents.
9. Applicant shall submit a stormwater maintenance program to the Planning Board. The maintenance program shall address the frequency of inspection/cleaning of the proposed water quality units. The plan shall also identify the stormwater management system owner and parties responsible for operation and maintenance of the stormwater facilities.	X		Full compliance will be verified upon submission of Construction Documents. <u>The applicant has received approval from the Conservation Commission</u>
10. Applicant shall submit a soil management to the Planning Board in order to determine if soil conditions will allow for the inclusion of low impact design elements including, but not limited to, bio swales.	X		
E. Urban Design:			
1. All site plan review submittals for each building/phase shall be accompanied by an update of the overall master plan with the following level of information:			
a) Consistent dimensions between all plans and between sections and plans.	X		

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
b) Street sections with dimensions that indicate travel lanes, parking lanes, bicycle lanes, planting strips, sidewalks, and building edges, among other elements.	X		
c) Circulation that clearly shows the operations of all streets on-site and surrounding context, showing	X		
• Existing and proposed traffic signals	X		
• Direction of vehicular traffic on street lanes and at parking garage access points	X		
• Ikea operations for parking and drop off/pick up for trucks, home delivery, and customers	X		
• Operations at all ingress and egress points, including the circulation along the major routes that provide access to the site	X		
• Bicycle routes and connections to regional systems	X		
• Pedestrian routes and crosswalks and connections to surrounding neighborhoods	X		
d) Proposed building entrances or other indication of primary facades.	X		
e) Phased plan of infrastructure improvements tied to building development.	X		
2. Applicant shall review with the Fire Chief and the City the geometry of Ikea Way, including its intersection with Assembly Square Drive and Main Street (F Street).	X		Review has resulted in the addition of a turnaround at the terminus of IKEA Way acceptable to the Fire Department.
3. Applicant shall reconsider the design of Main Street at the back corner of the Ikea loading area in order to create a more positive architectural character at this key corner.	X		The design of this elevation has been revised to improve this “terminated vista” from Main Street.
4. Applicant shall study integrating the T-Station into the site plan and creating visibility for the presence of the T-Station at the terminus of E Street/Foley Street and a plaza and arrival sequence that connects more directly to the Assembly Square Park on Main Street. Maximizing T-Station visibility shall be a factor in considering applicable site plan proposals.	X		Improvements to screening of parking and loading facilities, the redesigned north façade, enhanced sidewalks, and the proposed “rain garden” all contribute to the relationship of the store to the T-station. Accommodation of potential future multi-use path would enable additional access to T-Station.
5. At each Site Plan Review Special Permit submission that involves the use of DCR land, the Applicant shall submit confirmation of the acquisition of the DCR land in the northeast corner of the proposed			N/A

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
project or shall reconfigure the development for such phase consistent with the requirements of the Master Plan and the applicable regulations of the SZO.			
6. At each Site Plan Review Special Permit submission, the Applicant will consider massing the buildings to create more consistent street corridors with similar heights on both sides of the street, using street walls and step backs where necessary, especially on E Street and where buildings exceed six to eight stories.			N/A
7. As part of the Phase 1AA submission, the Applicant shall provide a plan for the pedestrian crossings for the entire project.	X		
8. The Applicant shall design and make improvements to the following pedestrian crossings:	X		
• Ten Hills neighborhood during Phase 1A.			N/A
• Lombardi Drive during Phase 1AA submission.	X		
• Kensington Avenue during Phase 1AA submission	X		
9. As part of each site plan review submittal, the Applicant shall provide the following information:	X		
• Calculations showing that the percentage of open space and usable open space meets the zoning requirement for a PUD-A within the ASMD.	X		<u>Amendment will not change the provision of open space</u>
• Confirmation that the setbacks from the Mystic River to the closest buildings are at least 150 feet.			N/A
10. Illustration on the drawings of the required continuous pedestrian, bicycle, vehicular and Urban Ring connections that need to be made to the destinations enumerated in the ASD Plan as defined in §6.4.2 of the SZO, including:	X		
a) Clarification of the pathways and sidewalk systems with notes, dimensions and legends.	X		
b) Illustration of how the particular phases affect the accessibility and visibility of the proposed Assembly Square T Station.	X		Accommodation of potential future multi-use path would enable additional access to T-Station. This path is not part of the revision request; however, changes included in the revision request would accommodate this feature <u>take into account the multi-use path.</u>

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
c) Confirmation that the zoning requirements related to the minimum shadow cast by buildings onto open space between March 21 st and September 21 st are met.	X		
d) Ensure that the light conditions shown on the plans are adequate for the tree species enumerated in <i>Unifying Design Guidelines for the Public Realm – Assembly Square</i> .	X		
e) Applicant shall provide illustration and notation on the drawings that all shade trees and shrubs required by zoning are shown in all parking lots.	X		
f) Applicant shall employ smart growth techniques in overall development, including but not limited to: Low Impact Development for Stormwater Management, bioswales, recycling and sustainable green technologies, and LEED.	X		
g) Applicant shall be responsible for all design, construction, maintenance and repair of all roadways, streetscape including street lighting and other street furniture furnishings, and parks and open space which are part of the PUD. Applicant shall be responsible for the design and construction of water, sewer, and storm drainage systems serving the PUD. Applicant shall be responsible for the usage costs of electricity, gas, water, cable and other utilities furnished to the PUD, and for trash removal. The City shall be responsible for the maintenance and repair of water, sewer, and storm water conduits, and traffic signals on public ways. The City shall also be responsible for snowplowing and street cleaning, including the cleaning of catch basins, except that the City shall not be responsible for catch basins associated with Smart Sponge Technology, or equivalent technology, unless and until the City has the equipment to clean such “Smart Technology” catch basins. The Applicant shall be responsible for designing, constructing, maintaining, and repairing similar “Smart Technology” required by MEPA. All utilities shall be designed and installed in accordance with the City of Somerville’s standards and specifications.	X		
11. Applicant shall provide details of the pedestrian connection from Assembly Square to Draw 7 Park under the railroad bridge.			N/A

Compliance with Conditions of PUD-PMP
Assembly Square Phase 1AA—Revisions to SPSR-A for Gateway and Roadway (PB2009-27-R0709)

Condition	Met	Not Met	Mitigation / Waiver / Comments
12. Applicant shall include a landscape buffer between the tracks and the proposed development.	X		Landscaped buffer has been revised to accommodate future multi-use path, while still providing landscaping and screening consistent with the original PMP and SPSR-A approvals.
13. Applicant shall show the pedestrian connection from the proposed Assembly Square T Station to Draw 7 Park. The design of the project shall not preclude the ability for the future design and construction of this pedestrian connection. (The Applicant is not expected to construct the pedestrian connection, but merely to show it in the plans in the event that enough federal and state monies are available to construct such a connection as part of the T station).			N/A
14. Applicant shall clarify the “Kiss and Ride” drop off and the associated walkways.			N/A
15. Prior to Phase 1A, Applicant shall review the bus drop off and pickup area and modify as needed. Urban Ring bus drop off and pickup is not provided at the Assembly Square T Station along G Street. It appears that dropping off passengers will block the street in its current configuration.			N/A
16. Applicant will consider plans to link the Mystic River Park clearly to the surrounding street circulation for bicyclists and pedestrians to the T Station prior to Phase 1A.			N/A
17. Applicant shall provide additional details to better define the “series of pocket parks” described in the PUD submission.	X		
18. Applicant shall depict the locations of handicapped accessible curb ramps.	X		
19. Applicant shall submit detailed landscaping plans that conform to the City’s guidelines. The guideline states that streets should be tree-lined. Street trees are set back as much as 55 feet from the intersection edge of curbing along Main Street. No trees are shown in the bumpouts at intersections.	X		
20. Applicant shall continue to work with the City on the design of the proposed median on Assembly Square Drive in order to maximize the amount of usable open space.	X		

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)**PROCEDURAL**

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
1	Approval is based on application materials prepared by Vanasse Hangen Brustlin, Inc., stamped in at the City Clerk's office on July 23, 2007, as amended by revised documents in the attached Table 2 "List of Revised Approved Documents". These conditions shall update and supersede prior conditions of approval. Should any changes be made to these plans or should the building be greater than 340,000 gross square feet, approval by the Planning Board will be required, except for specific instances. In the following cases, City staff may review and approve changes subject to their submission of updated findings to the file: zoning-compliant alterations to the interior parking layout due to structural requirements; configuration of egress stairs due to building code requirements; reconfiguration of underground utilities to accommodate alternative energy systems; and substitutions of plant species within the Rain Garden; final design refinement of through and turn lane configurations and associated signal timing/phasing configurations at the intersections of Assembly Square Drive at New Road/IKEA Way, Foley Street, D Street, C Street, A Street, and the Assembly Square Marketplace north entrance.	Planning Director, ISD	Building Permit (with the exception of completion of landscaping and other site work - before CO).	Revised by PB2007-29-R0908, PB2007-29-R1108 and <u>PB2007-29-R0709</u>
2	The Applicant is responsible for notifying the Planning Staff at least twenty (20) working days in advance of a request for a Certificate of Occupancy from ISD. Issuance of a CO shall be contingent upon a satisfactory inspection of site work to ensure compliance with the conditions of this special permit.	Planning, ISD, DPW, T&P, Water, Fire, and Police	CO	

SITE DESIGN

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
3	Each of the two seasonal banners is limited to 15 feet in height, 45 feet in width, 30 days' duration and six times per year.	ISD	CO and Continuous	
4	Each of the 16 flags is limited to 12.5 feet in height and 4.5 feet in width. The flag poles are limited to 25 feet.	ISD	CO and Continuous	
5	No "promotional panels" may be placed in the surface parking lot.	ISD	CO and Continuous	
6	The water tower may not be used for commercial radio or communications devices.	ISD	CO and Continuous	
7	All aboveground utilities and mechanical equipment, including transformers, shall be screened from view in accordance with SZO 10.5. The Applicant is responsible for coordinating with utilities providers to ensure that facilities are designed and located in a manner that allows for their screening.	Planning / ISD	CO	
8	The Applicant must demonstrate adequate capacity for electricity, telecommunications, and gas for full build-out with confirmation by NSTAR, Keyspan, Verizon, RCN, and Comcast as applicable.	DPW	City Engineer Notice to Proceed	
9	Garbage pick-up on Assembly Square Drive may not occur during business hours and garbage may not sit on street while awaiting pickup.	ISD	CO and Continuous	
10	Street furniture, lighting, and design of crosswalks and sidewalks shall conform to standards set in Unifying Design Guidelines for the Public Realm unless otherwise conditioned herein. Sidewalks deemed temporary by Planning staff may be temporarily noncompliant with these standards but must be brought into compliance once made permanent. The area between the curb and the sidewalk may be planted with grass on the entire length of ASQ Drive on the Marketplace side of the street, from the intersection of the southern end of the IKEA driveway to Mystic Avenue, and from A Street to Route 28 on the Mystic River side of the street.	Planning	CO	
11	Lighting shall conform to both City of Somerville and Unifying Design Guidelines standards. If there is any conflict between these, the Applicant shall consult with DPW to identify acceptable standards.	DPW	Electrical Permit	

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

LANDSCAPING AND OPEN SPACE				
Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
12	Applicant is responsible for maintaining and replacing as needed all landscaping that will be retained (not dedicated to the City), including vines and trees used to screen facilities. The Applicant shall be responsible for maintaining and replacing as needed landscaping in the triangular area designated Usable Open Space that is owned by the City and located adjacent to the southerly portion of Assembly Square Drive near Mystic Avenue. The applicant shall also be responsible for maintaining the proposed lightpoles on Lombardi Street from Mystic Avenue to Broadway as shown in the Gateway at Lombardi and Broadway Supplemental Information plans dated July 29, 2009 and the gateway element installed on Lombardi Street at the I-93 Overpass. The Applicant shall sign a maintenance covenant acceptable to the City Solicitor and submit a copy to the Planning Department.	Law / Planning	CO and Continuous	Modified by PB2007-29-R0709.
13	The Applicant shall maintain the water tower and keep it clean of graffiti. Graffiti complaints shall be resolved within 72 hours of reporting. The Applicant shall sign a maintenance covenant acceptable to the City Solicitor and submit a copy to the Planning Department.	Law / Planning & DPW	CO and Continuous	
14	The Applicant shall submit for review and approval by the City Solicitor a restrictive covenant providing for public access to all areas designated as Usable Open Space between the hours of 9:00 a.m. and 5:00 p.m. at a minimum. Upon approval by the City, the restrictive covenant shall be recorded in the Middlesex County Registry of Deeds.	Law / Planning	CO	
15	Irrigation must be provided for all planted areas to be dedicated to the City. The Applicant's landscape architect shall work with the City to select irrigation systems that are compatible with the City standards and shall submit two plans of the final design to the Planning Staff.	DPW	City Engineer Notice to Proceed	
16	The Applicant shall be responsible for ensuring that a mutually acceptable site is designated within the 1AA development for the installation of public art, to be paid for with the \$75,000 contribution by IKEA as per the development covenant.	Planning / Law	CO	
17	The Applicant shall plant curb-side street trees in a continuous trench with structural soil in between each location or propose an alternative option of equal quality acceptable to the City.	DPW	City Engineer Notice to Proceed	
TRANSPORTATION & CIRCULATION				
Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
18	Existing signals at Mystic Avenue/Lombardi Street/Assembly Square Drive, and Lombardi Street/Broadway/Mt. Vernon Street shall be preserved for use elsewhere in the City since new controllers will be provided at these intersections.	Traffic & Parking / DPW	City Engineer Notice to Proceed	
19	Approval of roadway design is contingent upon receipt of approval by other applicable agencies, including the Department of Conservation and Recreation, the Massachusetts Highway Department, and other agencies as deemed appropriate.	OSPCD	City Engineer Notice to Proceed	
20	The Applicant shall conform to standard City of Somerville and MUTCD requirements and Massachusetts Highway 2006 Guidelines pertaining to local streets including but not limited to vehicle detection (also for bicycles where new vehicle detection is proposed), traffic signal poles and foundations, and pavement material for mountable surface of roundabout and drop-off areas	Traffic & Parking	Prior to Street Acceptance	Modified by PB2007-29-R1108.
21	All Phase 1AA publicly accessible buildings, traffic and pedestrian signals, walkways, bus stops and shelters, and road crossings shall fully comply with current Federal ADA/State MAAB access standards and requirements.	ADA Coordinator / DPW	CO	
22	A traffic calming table shall be provided at the intersections of Assembly Square Drive with D street.	DPW / Traffic & Parking	Prior to Acceptance of Assembly Square Drive	Modified by PB2007-29-R1108.
23	Four-way crosswalks shall be provided at C Street and IKEA Way. Three-way crosswalks shall be provided at D Streets.	DPW / Traffic & Parking	Prior to Acceptance of Assembly Square Drive	Modified by PB2007-29-R1108.
24	A traffic-calming table designed in consultation with DPW shall be provided across IKEA Way connecting the park with the pedestrian island.	DPW / Traffic & Parking	Prior to Acceptance of Assembly Square Drive	
25	The crosswalk connecting the Mystic River Reservation and the Marketplace parking lot shall be a 3-inch raised crosswalk.	Planning	Prior to Acceptance of Assembly Square Drive	
26	Planted medians shall be provided on Assembly Square Drive in accordance with the revised street plans dated 11/12/08. Where it is practical, the Applicant will work with OSPCD staff to extend planted medians.	DPW	Prior to Acceptance of Assembly Square Drive	Modified by PB2007-29-R1108

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

27	Dedicated bicycle lanes shall be provided for the entire length of Assembly Square Drive without compromising the sidewalk or planting strip. Bicycle accommodation shall be provided on the south side of IKEA Way prior to the issuance of a C/O for IKEA and for the north side in later phases. The Applicant shall continue to work with OSPCD staff on striping of bicycle lanes at intersections; these details are not considered final as shown in the approved SPSR plans.	OSPCD	Prior to Acceptance of Assembly Square Drive	Modified by PB2007-29-R1108
28	Bicycle lanes along the entire length of Assembly Square Drive shall have bicycle lane stencils applied by the Applicant or by the City at the Applicant's expense.	OSPCD	Prior to Acceptance of Assembly Square Drive	
29	The Applicant shall place impenetrable (such as thorny) landscaping along the side of the path from the Mystic River reservation to the crosswalk entering Marketplace on Assembly Square Drive to discourage improper pedestrian crossing.	Planning	Prior to Acceptance of Assembly Square Drive	
30	Individual "U-Rack" bicycle racks or another model on the MAPC Standard Bike Racks Recommendation document shall be provided and spaced sufficiently to park at least 27 bicycles.	OSPCD	Prior to Acceptance of Assembly Square Drive	
31	Improvements shall be made to the intersection of Kensington Avenue from Mystic Avenue Southbound to Middlesex Avenue including ADA ramps, pedestrian crosswalk striping, pedestrian-scaled lighting, and advanced crosswalk beacons.	OSPCD	Prior to Acceptance of Assembly Square Drive	
32	A temporary turnaround must be constructed on IKEA Way in accordance with the plans approved by the Fire Department. This turnaround shall be kept free of snow, debris, and all other obstructions at all times.	DPW	CO	
33	Design and implementation of wayfinding signage shall be coordinated with and approved by Planning and Traffic and Parking Staff.	Planning / Traffic & Parking	Prior to Acceptance of Assembly Square Drive	
34	The Applicant shall regularly provide the City with traffic monitoring data collected from the built-in detection systems. In addition, for the first two years after issuance of the Certificate of Occupancy for IKEA, the Applicant shall provide the City semi-annually with a level-of-service analysis by a qualified traffic engineer based on actual field counts taken during the months of April and October (for a total of four reports over the two-year period). If any such report shows an overall intersection level-of-service below LOS D, the Applicant's engineer shall collect further data to determine whether such level of service regularly falls below LOS-D and, if so, shall recommend actions to be taken to improve the level of service. Should the Applicant decline to undertake such recommended actions at the applicant's expense, the City will exercise its right to condition future phases of the PUD-A Preliminary Master Plan on the Applicant's implementation of such actions. Under no circumstances shall the Applicant's declining to undertake the recommended actions give rise to the Building Inspector's revocation of the Certificate of Occupancy for the IKEA store.	Traffic & OSPCD	Post CO for two-years.	
35	In order to provide financial security for the performance of the conditions of this SPSR-A, the City shall be able to enforce the Applicant's duties and liabilities under the Transportation Management Association provisions of that certain Settlement Agreement by and between it, FR Sturtevant Street, LLC, FR Assembly Square, LLC, the Mystic View Task Force, Inc., and certain individuals, as it may exist and be operative.	Law	Post CO indefinitely	
36	Documentation shall be provided demonstrating how parking areas will be managed (i.e. monitoring and signage) to prevent all-day parking by T-users.	Planning / Traffic & Parking	CO	
37	Showers and lockers shall be provided for employees as part of a comprehensive Transportation Demand Management Plan.	ISD	CO	
38	Applicant will work collaboratively with the City, at least four months prior to the Grand Opening of IKEA, to draft a Grand Opening Management Plan including overflow parking strategies, Police detail (paid for at the Applicant's expense) and temporary directional signage.	Planning	4 months prior to CO	
39	Roadway treatment for the bus pullout in front of IKEA shall be constructed with standard base course and concrete pad that is finished with bituminous asphalt.	DPW	City Engineer Notice to Proceed	
	The Proposed Mitigation for the seven proposed intersections includes the following in the 25% design drawings. The Applicant agrees that these are to be included in the 100% design. Where an intersection is described as having an "exclusive pedestrian crossing" it shall remain "exclusive" unless otherwise approved by the City's traffic engineer.	DPW	City Engineer Notice to Proceed	

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

40	Location #1* Lombardi St/Mystic Avenue NB/Assembly Square Drive · New traffic signal controller to I-93 U-turn SB Off ramp at Mystic Avenue hard wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with protected phase. · Bike Detection on all approaches of the intersection. · Geometric changes including islands, new curbs, lane striping, and traffic signs. · Fire Pre-emption Opticom system used. · All new equipment and/or street furniture and lighting must be built to City Specification. <i>* Note: on off-site mitigation plan cover sheet this is referred to as Location #2</i>			
	Location #2* Lombardi St/Broadway/Mt Vernon · New traffic signal controller hard wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with exclusive phase. · Bike Detection on all approaches of the intersection. · Geometric changes including traffic islands, medians, new curbs, lane striping and traffic signs. · Fire Pre-emption Opticom system used. · All new equipment and/or street furniture and lighting must be build to City Specification. <i>* Note: on off-site mitigation plan cover sheet this is referred to as Location #1</i>			
	Location #3 Mystic Avenue NB/New Road · New traffic signal controller hard wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with protected phase. · Geometric changes, new curbs, lane striping, and traffic signs. · Fire Pre-emption Opticom system used. · All new equipment and/or street furniture and lighting must be build to City Specification.			
	Location #4 Middlesex Avenue NB/Foley Street · New traffic signal controller hard wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with exclusive phase. · Geometric changes, new curbs, lane striping, and traffic signs. · Fire Pre-emption Opticom system used. · All new equipment and/or street furniture and lighting must be built to City Specification.			
	Location #5 Mystic Avenue NB/I-93 NB Off-Ramp/Route 28 · New signal heads added on South side of the interchange to improve visibility by motorists. · New lane striping and traffic signs. · Fire Pre-emption Opticom system incorporated if approved by DCR.			
	Location #6 Route 28/Assembly Square Drive · New traffic signal controller hard wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with concurrent phase if approved by DCR. · Bike Detection on all approaches to the intersection and appropriate shoulder striping is required on the Assembly Square Drive approach to Route 28. · Geometric changes including islands, and new curbs, lane striping, and traffic signs. · Fire Pre-emption Opticom system used if approved by DCR. · All new equipment and/or street furniture and lighting must be built to City Specification.			

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

	Location #7 Route 28/Middlesex Avenue New traffic signal controller hard-wired to all other intersections. · Pedestrian crosswalks and countdown pedestrian signal heads with concurrent phase if approved by DCR. · Bike Detection on all approaches to the intersection. · Geometric changes including islands and new curbs, lane striping, and traffic signs. · Fire Pre-emption Opticom system used if approved by DCR. · All new equipment and/or street furniture and lighting must be built to City Specification.			
	Location #8 Kensington Pedestrian Crossing · New pedestrian flashing signal control, pedestrian-scaled lighting. · Pedestrian crosswalks, ADA ramps and sensor. · Signs and pavement markings for crosswalks, advanced crosswalk beacon.			

STORMWATER, WATER, SEWER

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
41	100% construction drawings (stormwater design) shall retain the following features as previously agreed: 1) change the catch basin connections from 8-inch to 12-inch diameter pipes; 2) add 4 additional catch basins along the length of Assembly Square Drive at key locations to improve overall catch basin efficiency; and 3) submit a Storm Water Pollution Prevention Plan (SWPPP) and a Final Stormwater Management System Operation and Maintenance Plan with the final Construction Documents.	Peer Review	Prior to Building Permit	
42	100% construction drawings (sewer) shall retain the following features as previously agreed: 1) adjust the alignment of the water line within the future IKEA Way to provide at least 10-foot separation from the sewer line; 2) use 4.0 peaking factor instead of 3.8 when evaluating peak sewer flows for the full-build condition; 3) use 1.7 bedrooms per residential unit when calculating average daily sewage flow rates; 4) maintain pipe sizes for pipe runs P-26, P-27 and P-28 at 12-inch diameter; and 5) increase diameter of proposed 6-inch sewers to 8-inch minimum.	Peer Review	Prior to Building Permit	
43	100% construction drawings (water) shall retain the following features as previously agreed: 1) installation of additional fire hydrants at locations shown on IKEA site and along Assembly Square Drive as coordinated with the Somerville Fire Department and as shown on plans dated 9/25/07.	Peer Review	Prior to Building Permit	
44	Prior to the issuance of the building permit, the applicant shall revise construction drawings to respond to final written comments of the City's peer review consultants dated 9/16/07 (Gina Britton re: water), 9/26/07 (David Glenn re: storm water), and 9/27/07 (Bob Letourneau re: sewer). This decision is conditional upon review and approval of the revised plans by the City's peer review consultants. This review shall be at the applicant's expense and will be limited to confirming that issues raised in peer review memos have been addressed in the final construction drawings.	Peer Review	Prior to Building Permit	

LINKAGE

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
45	The linkage payment shall be made in accordance with the SZO.	Planning	CO	

EMERGENCY SERVICES

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
46	All traffic control signal installations or improvements made within or around the development shall include a system to allow for manual operation of signals by a handheld device as allowed by Mass Highway and DCR.	Traffic & Parking	City Engineer Notice to Proceed	
	The Applicant shall provide the following equipment relative to the radio-based emergency master and street call boxes:	Fire Department	CO	
	a. 1-Remote Vision Screen			
	b. 2- Vision-21 System Processors, consisting of:			

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

47	2- V21SP-3 System Processor alarm receivers;			
	2- Hardwire Decoders for wire boxes;			
	2 - DTX Radio Modules;			
	2 - V21CM-1 Charger Modules with battery backup;			
	2 - Form 4 relay interface boards; and			
	2 - Installation Kits to include: 2 antennas; 2 antenna mounting brackets; all interface cables; box data entry; and all antenna cable, connectors, and grounding equipment.			
48	The Applicant has agreed to provide 3 solar powered radio based Fire call boxes to the City for use along the City's bike path project (Cambridge/Somerville/Medford path).	Fire Department	CO	
49	The building shall be wired to include a provision for installation of surveillance cameras that focus on exterior public areas and that can be remotely viewed by Somerville Police.	Police Department	CO	
50	Verification shall be provided that all locations within the IKEA building and parking structure allow for clear radio transmission by Police and Fire Departments which may conduct spot checking.	Police / Fire	CO	
51	Video monitoring records of areas within the IKEA development, especially interior areas where large numbers of people will likely gather, shall be maintained for a period of time reasonably acceptable to the Somerville Police Department.	Police	CO and continuous	
52	The Applicant shall establish an area within the building available for temporary use by the police department with telephone and computer connections where police officers can meet with members of the public, write reports, or use as a command post for special or public events within the development.	Planning	CO	
53	The Applicant shall provide a bi-directional amplifier system for police and fire radio frequencies.	Police / Fire	CO	

ENVIRONMENTAL

Condition #	Condition	Compliance Evaluated By:	Timeframe for Compliance	Notes
54	Snow plowed from the development shall be limited to the on-site storage area as shown in Layout and Materials plan "C-6" noted in Table 2 or disposed of properly.	ISD	CO and continuous	
55	To reduce effects of light trespass and glare, all lights used in public and parking areas shall be fully shielded and installed and maintained to preserve the shielding characteristics.	Planning	CO	
56	The Applicant shall, within two hours of the store's closing, turn off all IKEA wordmarks on the building except the largest sign on the west elevation, which will remain internally and externally lit, and turn off all lights around both circles of flags and both facade banners. The Applicant shall strive to reduce the brightness of security lights within and around the store by 50% while ensuring that lighting levels are sufficient to provide for the safety of employees and visitors.	Planning	CO and continuous	
57	Construction stormwater management (BP):	Planning / DPW		
	a. Prior to demolition, install temporary erosion control measures consistent with the Commonwealth of Massachusetts Erosion and Sediment Control Guidelines for Urban and Suburban areas. Those measures should be specifically designed to: (a) minimize erosion of soils, (b) contain sediments on the property and (c) capture sediments before they reach any road or any storm drain leading to the Mystic River.		Demolition Permit	<u>Demolition is complete</u>
	b. The applicant shall develop a demolition plan in consultation with the City of Somerville Inspectional Services Department. Consideration should be given to: (a) re-vegetation of the site during any lull between construction and demolition; (b) dust control measures, (c) staging construction activities in a manner that limits the amount and the time any area of soils is exposed, (d) installation of a gravel stabilized construction entrance at the location of construction access, (e) use of rice straw wattles and silt fences, (f) end of day sweeping of the construction entrance and, (g) measures to trap sediments prior to reaching catch basins.		Demolition Permit	<u>Demolition is complete</u>
	c. Truck and construction equipment washing should occur in an area where sediments can be captured by onsite sedimentation controls.		Demolition Permit	<u>Demolition is complete</u>
	d. Apply topsoil to slopes and other areas disturbed by construction. Topsoil used may be native organic material screened so as to be free of roots, branches, stones, and other deleterious materials. Topsoil shall be applied so as to provide a minimum of a 4-inch compacted thickness. Upon completion of top-soiling, finished sections are to be limed, seeded and mulched. Construction personnel shall inspect completed sections of work on a regular basis and remedy any problem areas until a healthy stand of grass has become established.		Demolition Permit	<u>Demolition is complete</u>

TABLE 1: CONDITIONS OF APPROVAL FOR ASSEMBLY SQUARE PHASE 1AA SPSR-A APPLICATION (Revised per PB2007-29-R1108)

	e. Maintain, repair, and replace as necessary temporary erosion control measures until such time as the entire construction area has been stabilized.		Demolition Permit	<u>Demolition is complete</u>
	f. After stabilization, remove and suitably dispose of temporary erosion control measures.		CO	
58	Long-term Stormwater Management (BP): In addition to construction stormwater management, include measures to ensure that after construction:	Planning / DPW	CO	
	a. Massachusetts Department of Environmental Protection Stormwater Management Standards are met to the maximum extent practical; and		CO	
	b. Stormwater management systems have operation and management plans.			
59	Plant Selection: The landscape architect should review the list Massachusetts Prohibited Plant List published by the Massachusetts Department of Agricultural Resources and eliminate any proposed installation of plants on the list (http://www.mass.gov/agr/farmproducts/Prohibited_Plant_Index2.htm).	OSPCD	CO	
60	Any work for Phase 1AA that lies within the 100-foot buffer zone will require approval by the Somerville Conservation Commission.	Planning	CO	
61	Notification must be made immediately to the City of Somerville Fire Department and Office of Sustainability and Environment (OSE) if any underground storage tank (UST) is discovered.	OSE / Planning	Ongoing	
62	Notification must be made, within the time period required under applicable regulations, to the Massachusetts Department of Environmental Protection (DEP) if there is any release of oil, hazardous materials, or regulated hazardous substances at the site. The City's OSE office and the Board of Health shall also be notified.	OSE / Planning	CO	
63	Copies of all disposal records of the soil and UST and any other DEP related paperwork should be kept on the Site office in order to maintain added transparency required to the project of this size.	OSE / Planning	Ongoing	
64	The Applicant's Licensed Site Professional (LSP) shall keep the City's OSE informed about soil remediation for oil and hazardous material and any specific issue that can be considered as imminent threat to human health and/or environment (OHM) as defined by Massachusetts Chapter 21E and the Massachusetts Contingency Plan (MCP) (and any applicable Federal statutes or regulations).	OSE / Planning	Ongoing	
65	Applicable State and Federal regulations regarding air quality shall be strictly observed including without limitation continuous dust control during demolition and construction.	OSE / Planning	CO	
66	The Applicant shall make commercially reasonable efforts to divert 75 percent of building demolition debris away from disposal in landfills through recycling, reuse, and other disposal methods.	OSE / Planning	Demolition Permit	
67	Asbestos identified prior to demolition or encountered during demolition shall be handled in accordance with state statutes and regulations including without limitation meeting OSHA requirement.	OSE / Planning	Ongoing	
68	All demolition should be done at the same time and there shall be no partial demolition. There should be a pre-demolition meeting with ISD and OSE.	OSE / Planning	Demolition Permit	

FENCING

69	The chain link fence along the MBTA railroad shall be black in color.	Planning	CO	Added by PB2007-29-R0908.
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**TABLE 2— LIST OF REVISED APPROVED DOCUMENTS—ASSEMBLY SQUARE PUD, PHASE 1AA—
AUGUST 3, 2009**

Date	Document
10/10/2007	Assembly Square Drive Traffic Plans (Sheet 55 - 72)
3/18/2009 (4/17/2009)	Building Elevations- A1 REV
10/3/2007	C12 - Detail Sheet
4/15/2009 (5/12/2009)	C6 - Layout and Materials Plan
4/15/2009 (5/12/2009)	C8 - Utility Plan
9/23/2008	Drainage Revisions: Response to City Engineer Inquiry
9/7/2007	Drainage: Response to Drainage Peer Review
1/7/2009	Landscaping: C9, C9a
9/19/2008	Lighting: SL1 - Lighting Plan, PH001, PH002, PH003 Photometrics
9/21/2007	Memo from IKEA to FRIT re: TDM Plan
9/28/2007	Offsite mitigation (25% Design) 15 Sheet Set as updated by 10/12/07 Lombardi Design Plans
9/23/2008	Open Space Plan (with City Parcel)
9/18/2008 (9/23/08)	Parking Plan and Ground Level Building Plan: IKEA MA 2s: 1.3, 2.3, 3.3
9/28/07, 10/4/2007	Rain Garden Memoranda
9/18/2007	Response to Sewer / Water Peer Review
9/23/2008	Sign Package
9/25/2007	Utility Plan (Sheets 36-41))
9/7/2007	Wayfinding Graphic / Memo
4/15/2009 (5/12/09)	C7 - Grading Drainage and Erosion Control Plan
7/29/2009 (8/3/2009)	Street Section at Assembly Square Drive
7/29/2009 (8/3/2009)	Gateway at Assembly Square Drive & Mystic Avenue

